

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT
(highlight changes)

001

APPLICATION FOR PERMIT TO DRILL

1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>		5. MINERAL LEASE NO: 90001-OBA	6. SURFACE: State
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		7. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A	
2. NAME OF OPERATOR: Gasco Energy, Inc. dba Pannonian Energy, Inc.		8. UNIT or CA AGREEMENT NAME: Expl. Agmt. 9001-OBA	
3. ADDRESS OF OPERATOR: 14 Inverness Drive E. CITY Englewood STATE CO ZIP 80112		9. WELL NAME and NUMBER: Gate Cyn. 31-21-11-15	
PHONE NUMBER: (303) 483-0044		10. FIELD AND POOL, OR WILDCAT:	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 701' FNL & 1898' FEL NW/NE 4410961Y 39.84804 AT PROPOSED PRODUCING ZONE: Same 565365X -110.23596		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNE 21 11S 15E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 28.8 miles Southwest of Myton, Utah		12. COUNTY: Duchesne	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 701'	16. NUMBER OF ACRES IN LEASE: 640	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) N/A	19. PROPOSED DEPTH: 11,760	20. BOND DESCRIPTION: #4127763 Utah Drilling Bond	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 6876' GR	22. APPROXIMATE DATE WORK WILL START: 2/15/2003	23. ESTIMATED DURATION: 45 days	

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
17 1/2"	13 3/8" H-40 54#	220	Class "G" 260 sx 1.19 15.6 ppg
11"	8 5/8" J-55 32#	3,100	
7 7/8"	4 1/2" P-110 13.5#	11,760	Hifill 100 sx 3.82 11 ppg
			50-50 Poz mix 1560 sx 1.42 13.6 ppg

RECEIVED

JAN 22 2003

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

DIV. OF OIL, GAS & MINING

- | | |
|--|--|
| <input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER | <input checked="" type="checkbox"/> COMPLETE DRILLING PLAN |
| <input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER | <input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER |

NAME (PLEASE PRINT)

Ed TROTTER

TITLE

AGENT

SIGNATURE

DATE

1-16-2003

(This space for State use only)

API NUMBER ASSIGNED:

43-013-32391

APPROVAL:

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 02-26-03

By:

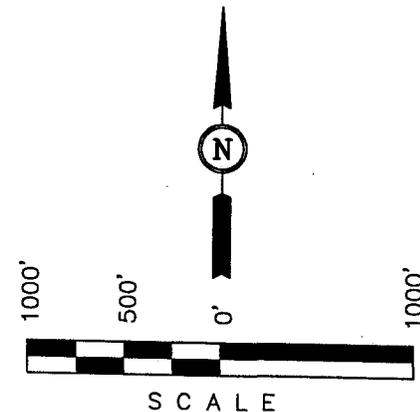
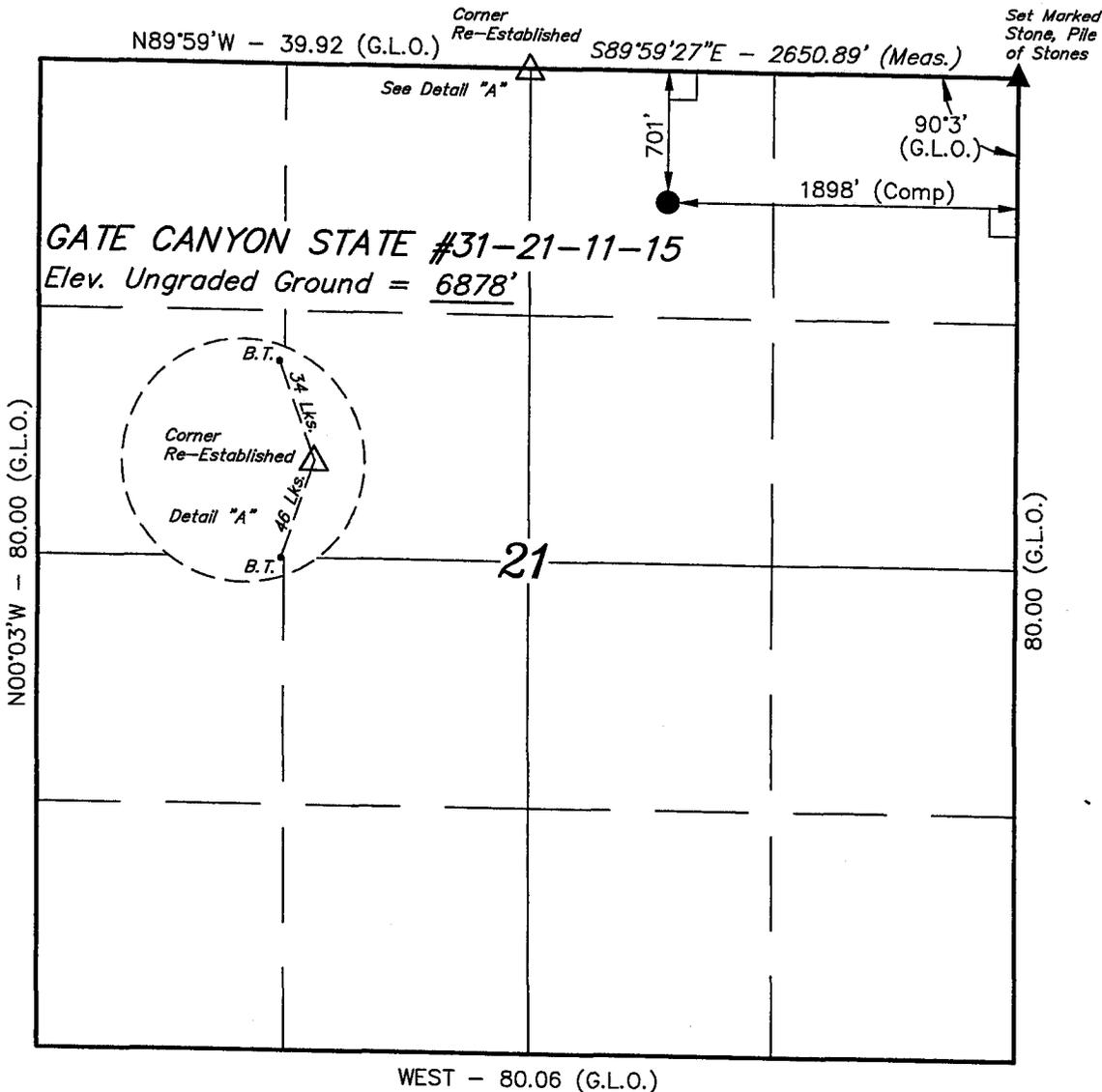
T11S, R15E, S.L.B.&M.

PANNONIAN ENERGY, INC.

Well location, GATE CANYON STATE #31-21-11-15; located as shown in the NW 1/4 NE 1/4 of Section 21, T11S, R15E, S.L.B.&M. Duchesne County, Utah.

BASIS OF ELEVATION

TRIANGULATION STATION (NINE) LOCATED IN THE SW 1/4 SW 1/4 OF SECTION 1, T12S, R15E, S.L.B.&M. TAKEN FROM THE COWBOY BENCH QUADRANGLE, UTAH, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4123 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Robert Kay
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 161319 U.T.L.
 STATE OF UTAH, KAY

UINTAH ENGINEERING & LAND SURVEYING
 85 SOUTH 200 EAST - VERNAL, UTAH 84078
 (435) 789-1017

LEGEND:

- └ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.
- △ = SECTION CORNERS RE-ESTABLISHED USING BEARING TREES

AUTONOMOUS (NAD 83)
 LATITUDE = 39°50'52.63" (39.847953)
 LONGITUDE = 110°14'12.49" (110.236803)

SCALE 1" = 1000'	DATE SURVEYED: 3-14-02	DATE DRAWN: 3-18-02
PARTY D.K. K.G. C.G.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE PANNONIAN ENERGY, INC.	

**PANNONIAN ENERGY, INC.
14 INVERNESS DRIVE EAST, SUITE H-236
ENGLEWOOD, CO 80112**

January 16, 2003

Utah Division of Oil, Gas, & Mining
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, UT 84114-5801

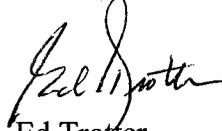
RE: APPLICATION FOR PERMIT TO DRILL
GATE CANYON STATE #31-21-11-15
NW/NE, SEC.21, T11S, R15E
DUCHESNE COUNTY, UTAH
LEASE NO.: ~~UTU-78433~~ 90001-OBA
STATE LANDS

Enclosed please find a copy of the Application for Permit to Drill and associated attachments for the referenced well.

Please address further communication regarding this matter (including approval) to:

Ed Trotter
P.O. Box 1910
Vernal, UT 84078
Phone: (435)789-4120
Fax: (435)789-1420

Sincerely,



Ed Trotter
Agent
PANNONIAN ENERGY, INC.

Attachments

RECEIVED

JAN 22 2003

DIV. OF OIL, GAS & MINING

EIGHT POINT PLAN

GATE CANYON STATE #31-21-11-15
NW/NE, SEC. 21, T11S, R15E, S.L.B.&M.
DUCHESNE COUNTY, UTAH

1. & 2. ESTIMATED TOPS & ANTICIPATED OIL, GAS, & WATER ZONES:

FORMATION	DEPTH	TYPE ZONES	MAXIMUM PRESSURE
Green River	Surface		
Wasatch	3615		
Mesa Verde	7640	GAS	
Mancos	10,310	GAS	
EST. TD:	11,760'		Anticipated 6482 BHP PSI

3. PRESSURE CONTROL EQUIPMENT: BOP Schematic Diagram attached.

4. CASING PROGRAM:

<u>HOLE SIZE</u>	<u>INTERVAL</u>	<u>LENGTH</u>	<u>SIZE</u>	<u>WEIGHT</u>	<u>GRADE</u>	<u>THREAD</u>	<u>MINIMUM SAFETY FACTOR</u>		
							<u>COLLAPSE</u>	<u>BURST</u>	<u>TENSILE</u>
17 1/2"	0' - 220'	220'	13 3/8	54#	H-40	N/A	N/A		
11"	220'-3100'	3100'	8 5/8	32#	J-55	ST&C	1.63	2.19	3.3

If conductor drive pipe is used, it will be left in place if its total length is less than 20 feet below the surface. If the total length of the drive pipe is equal to or greater than 20 feet, it will be pulled prior to cementing surface casing, or it will be cemented in place. The minimum diameter of the conductor drive pipe will be 13 3/8".

All casing will be new or inspected.

5. MUD PROGRAM

<u>INTERVAL</u>	<u>MUD TYPE</u>
0' - 220'	Water
220' - 3100'	Water with Sweeps
3100 - 7565'	DAP Mud 8.5 - 9.0 ppg
7565 - TD	DAP Mud 9.0 - 10.5 ppg

Lost circulation probable from 1500' to 3000'+/-.

Sufficient mud inventory will be maintained on location during drilling to handle any adverse conditions that may arise.

EIGHT POINT PLAN

GATE CANYON STATE #31-21-11-15
NW/NE, SEC. 21, T11S, R15E, S.L.B.&M.
DUCHESNE COUNTY, UTAH

6. VARIANCE REQUESTS:

- A. PANNONIAN ENERGY, INC. requests a variance to regulations requiring a straight run blooie line (Where possible, a straight run blooie line will be used).
- B. PANNONIAN ENERGY, INC. requests a variance to regulations requiring an automatic ignitor or continuous pilot light on the blooie line. (Not required on aerated water system).
- C. PANNONIAN ENERGY, INC. requests a variance to regulations requiring the blooie line to be 100' in length.
To reduce location excavation, the blooie line will be 75' in length.

7. CEMENT PROGRAM:

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
7 7/8	P-110 4 1/2"	13.5#	11760'	100 SX HIFILL 3.82 YIELD @ 11 PPG & 1560 SXS 50-50- POZ MIXED AT 13.6 PPG. 1.42 YEI

Intermediate Casings

LEAD:

460 sacks Hi-Fill
11 ppg
2.87 ft³/sk yield

TAIL:

220 sacks Class "G"
2% CaCl
15.6 ppg
1.18 ft³/sk

8. EVALUATION PROGRAM:

Logs: Triple Combo TD – 3100'
GR 3100' to Surface

Cores: None Programmed
DST: None Programmed

Completion: To be submitted at a later date.

Note: If hole conditions prevent the running of open hole logs, a cased hole Dipole Sonic/Neutron/Gr will be run in lieu of open hole logs.

EIGHT POINT PLAN

GATE CANYON STATE #31-21-11-15
NW/NE, SEC. 21, T11S, R15E, S.L.B.&M.
DUCHESNE COUNTY, UTAH

9. ABNORMAL CONDITIONS:

None anticipated.

10. STANDARD REQUIRED EQUIPMENT:

- A. Choke Manifold
- B. Kelly Clock
- C. Stabbing Valve
- D. Visual Mud Monitoring

11. HAZARDOUS CHEMICALS:

No chemicals subject to reporting under SARA title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

(Attachment: BOP Schematic Diagram)

**CONDITIONS OF APPROVAL
FOR THE SURFACE USE PROGRAM OF THE
APPLICATION FOR PERMIT TO DRILL**

Company/Operator: Pannonian Energy, Inc.
Well Name & Number: Gate Canyon State 31-21-11-15
Lease Number: Exploration Agreement ML-90001-OBA
Location: 701' FNL & 1898' FEL, NW/NE, Sec. 21,
T11S, R15E, S.L.B.&M.,
Duchesne County, Utah
Surface Ownership: STATE OF UTAH

NOTIFICATION REQUIREMENTS

Location Construction - forty-eight (48) hours prior to construction of location and access roads.

Location Completion - prior to moving on the drilling rig.

Spud Notice: - at least twenty-four (24) hours prior to spudding the well.

Casing String and Cementing - twenty-four (24) hours prior to running casing and cementing all casing strings.

BOP and related Equipment Tests - twenty-four (24) hours prior to running casing and tests.

First Production Notice - within five (5) business days after new Well begins or production resumes after Well has been off production for more than ninety (90) days.

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

THIRTEEN POINT SURFACE USE PROGRAM

1. EXISTING ROADS

- A. See attached Wellsite Plats showing directional reference stakes on location, and attached TOPO Map "B" showing access to location from existing roads.
- B. The proposed well site is located approximately 28.8 miles southwest of Myton, Utah - See attached TOPO Map "A".
- C. Refer to attached Topographic Map "A" showing labeled access route to location.
- D. Existing roads will be maintained and repaired as necessary. No off lease Right-of-Way will be required.

2. PLANNED ACCESS ROAD

- A. The access road will be approximately 0.5 miles in length. See attached TOPO Map "B".
- B. The access road has a 30 foot ROW w/ 18 foot running surface.
- C. Maximum grade on access road will be 8%.
- D. No turnouts will be required.
- E. Road drainage crossings shall be of the typical dry creek drainage crossing type.
- F. No culverts, bridges, or major cuts and fills will be required.
- G. The access road will be dirt surface.
- H. No gates, cattleguards, or fences will be required or encountered.

New or reconstructed roads will be centerlined - flagged at time of location staking.

All travel will be confined to existing access road Right-of-Way. Access roads and surface disturbing activities will conform to standards outlined in the Bureau of Land Management and Forest Service Publication: Surface Operating Standards For Oil & Gas Exploration and Development, (1989).

The road shall be upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Upgrading shall include ditching, drainage, graveling, crowning, and capping the roadbed as necessary to provide a well-constructed safe road. Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30 foot Right-of-Way will not be allowed.

Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossings nor shall the drainages be blocked by the roadbed. Diverting water off at frequent intervals by means of cutouts shall prevent erosion of drainage ditches by run off water. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided.

As operator, Pannonian Energy, Inc. shall be responsible for all maintenance on cattleguards, or gates associated with this oil and/or gas operation.

3. **LOCATION OF EXISTING WELLS WITHIN A ONE MILE RADIUS OF PROPOSED WELL LOCATION**

None

4. **LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

A. **ON WELL PAD**

1. Production facilities will be set on location if the well is successfully completed for production. Facilities will consist of well head valves, separator, dehy, 210 Bbl condensate tank, meter house and attaching piping. See attached facility diagram.
2. Gas gathering lines - A 3" gathering line will be buried from dehy to the edge of the location.

B. **OFF WELL PAD**

1. Proposed location of attendant off pad flowlines shall be flagged prior to archaeological clearance.
2. A 3" OD steel above ground natural gas pipeline will be laid approximately 15,600' from proposed location to a point in the NE/NW of Section 23, T11S, R15E, where it will tie into an existing pipeline. Proposed pipeline crosses State of Utah administered lands, thus a Right-of -Way grant will be required.
3. Proposed pipeline will be a 3" OD steel, welded line laid on the surface.
4. Protective measures and devices for livestock and wildlife will be taken and/or installed where required.

If storage facilities/tank batteries are constructed on this lease, the facility/battery or the well pad shall be surrounded by a containment dike of sufficient capacity to contain, at a minimum, the entire contents of the largest tank within the facility/battery, unless more stringent protective requirements are deemed necessary by the authorized officer.

The production facilities will be placed on the Northeast corner of the location.

5. LOCATION & TYPE OF WATER SUPPLY

- A. Water supply will be from Jim Nebeker Trucking Water Plant, Myton, Utah.
Water Right #43-1721 in Section 34, T3S, R2W, Duchesne County, Utah.
- B. Water will be hauled by licensed trucking company.
- C. No water well will be drilled on lease.

11. SURFACE OWNERSHIP

Access road: State of Utah
Location: State of Utah

LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION

OPERATIONS

Pannonian Energy
(a wholly owned subsidiary of Gasco Energy)
14 Inverness Drive East, Suite H-236
Englewood, CO 80112

PERMITTING

Ed Trotter
P.O. Box 1910
Vernal, UT 84078
Telephone: (435)789-4120
Fax: (435)789-1420

1-16-2003
Date


Agent

PANNONIAN ENERGY, INC.

**GATE CANYON STATE #31-21-11-15
SECTION 21, T11S, R15E, S.L.B.&M.**

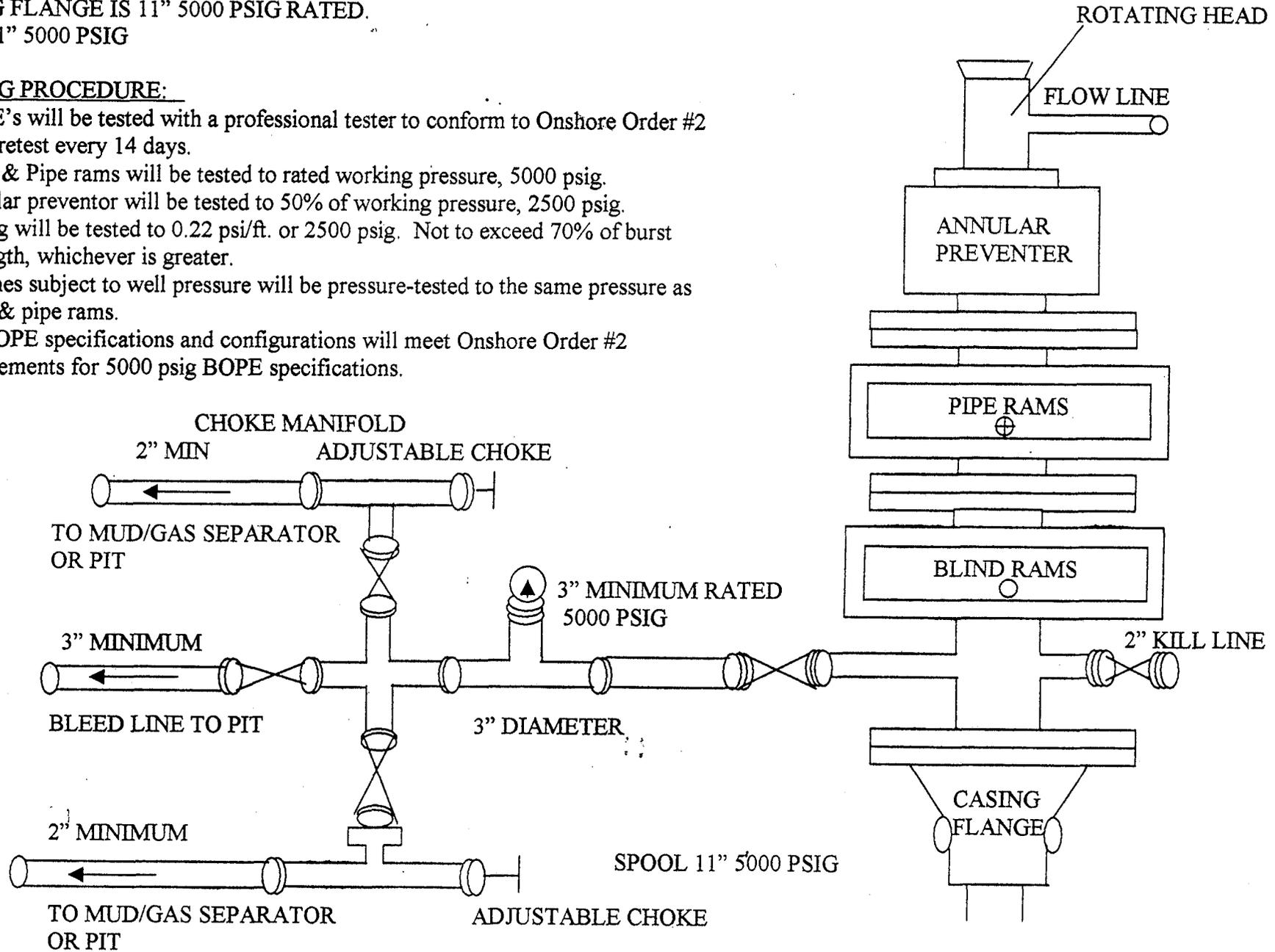
PROCEED IN A SOUTHWESTERLY DIRECTION FROM MYTON, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 1.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; THURN LEFT AND PROCEED IN A SOUTHERLY, THEN SOUTHWESTERLY, THEN SOUTHERLY DIRECTION APPROXIMATELY 1.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST TURN LEFT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 23.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 1.2 MILES TO THE BEGINNING OF THE PROPOSED ACCESS ROAD TO THE SOUTH; FOLLOW ROAD FLAGS IN A SOUTHERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE PROPOSED LOCATION

5000 PSIG DIAGRAM

ANNULAR PREVENTOR AND BOTH RAMS ARE 5000 PSIG RATED.
CASING FLANGE IS 11" 5000 PSIG RATED.
BOPE 11" 5000 PSIG

TESTING PROCEDURE:

1. BOPE's will be tested with a professional tester to conform to Onshore Order #2 with retest every 14 days.
2. Blind & Pipe rams will be tested to rated working pressure, 5000 psig.
3. Annular preventor will be tested to 50% of working pressure, 2500 psig.
4. Casing will be tested to 0.22 psi/ft. or 2500 psig. Not to exceed 70% of burst strength, whichever is greater.
5. All lines subject to well pressure will be pressure-tested to the same pressure as blind & pipe rams.
6. All BOPE specifications and configurations will meet Onshore Order #2 requirements for 5000 psig BOPE specifications.



PANNONIAN ENERGY, INC.
GATE CANYON STATE #31-21-11-15
 LOCATED IN DUCHESNE COUNTY, UTAH
 SECTION 21, T11S, R15E, S.L.B.&M.

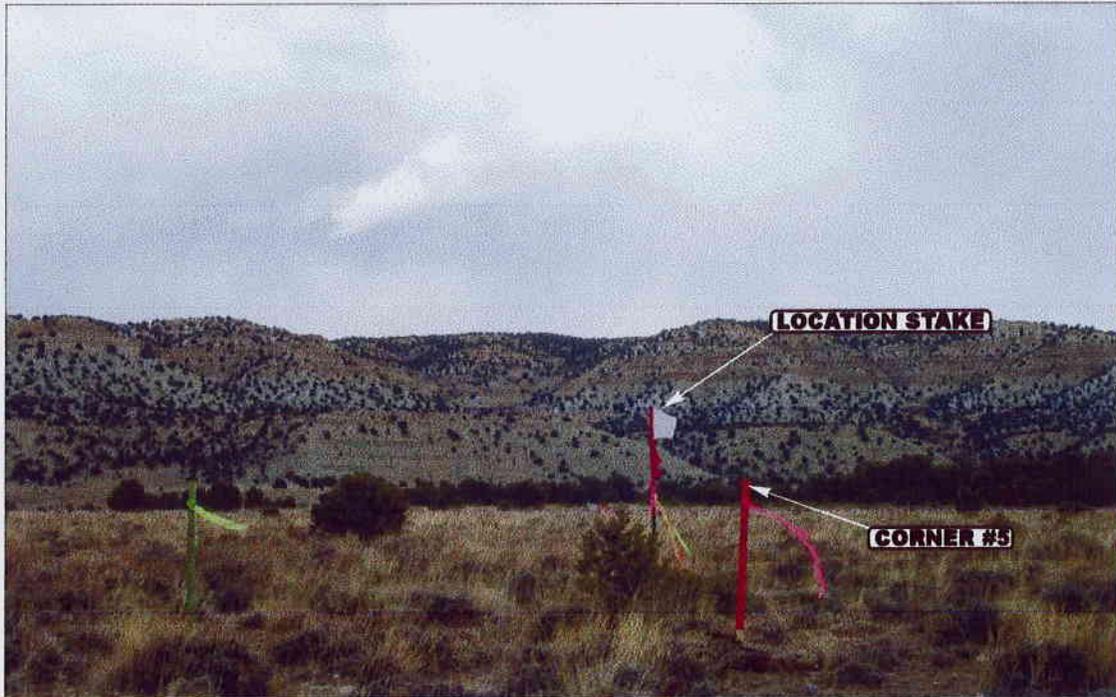


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHEASTERLY



U E L S Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 435-789-1017 uels@uelsinc.com

- Since 1964 -

LOCATION PHOTOS	3	19	02	PHOTO
	MONTH	DAY	YEAR	
TAKEN BY: D.K.	DRAWN BY: C.G.	REVISED: 00-00-00		

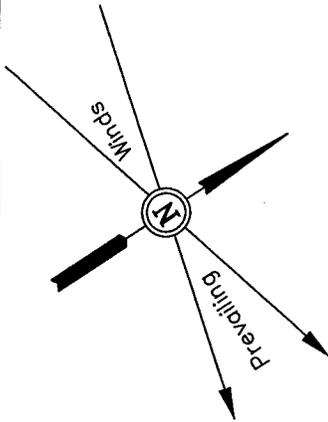
PANNONIAN ENERGY, INC.

LOCATION LAYOUT FOR

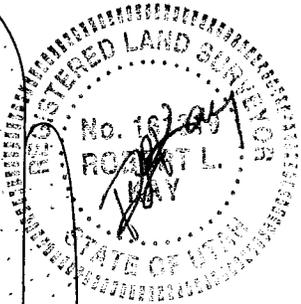
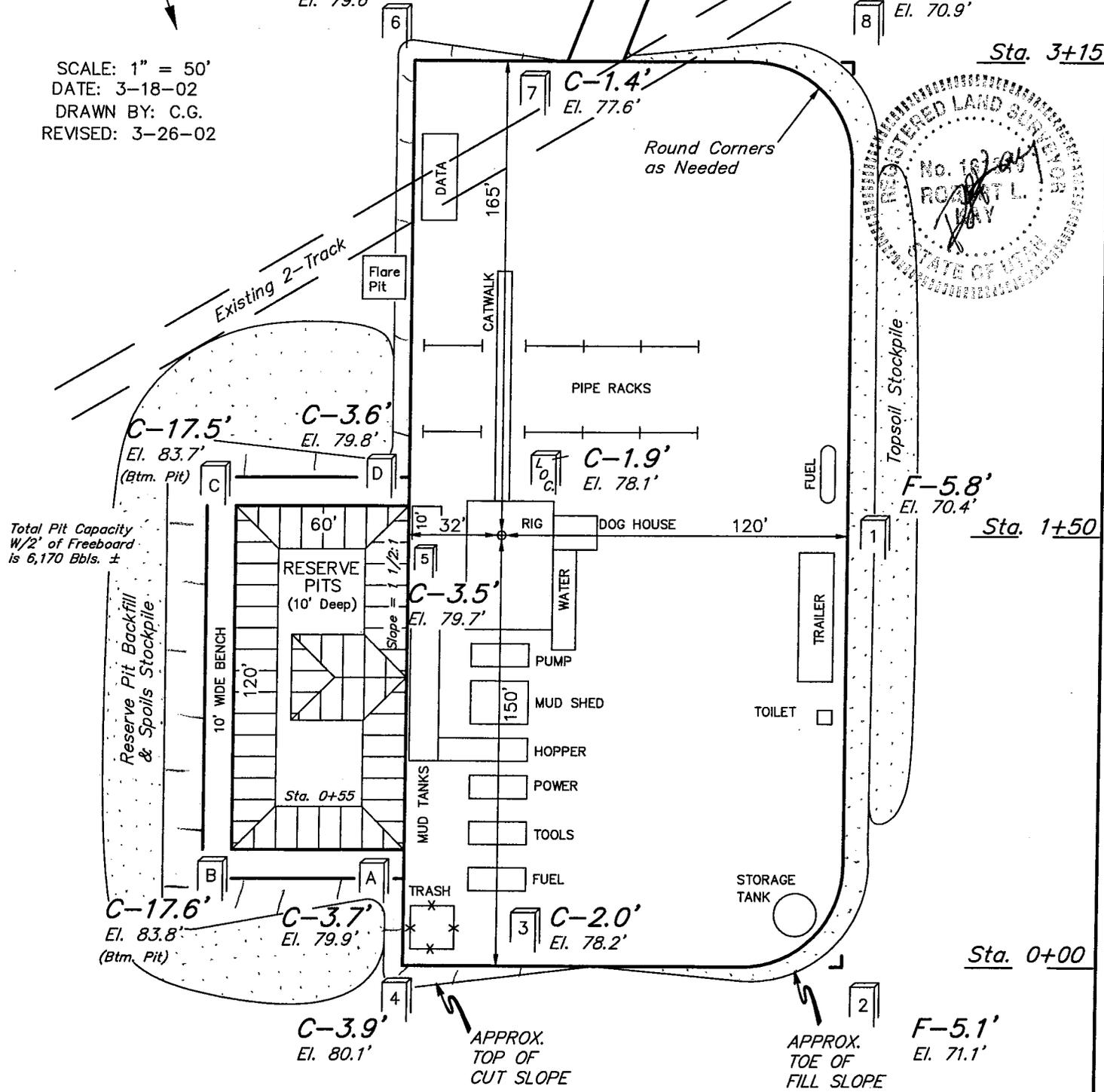
GATE CANYON STATE #31-21-11-15
SECTION 21, T11S, R15E, S.L.B.&M.

701' FNL 1898' FNL FEL

Proposed Access Road



SCALE: 1" = 50'
DATE: 3-18-02
DRAWN BY: C.G.
REVISED: 3-26-02



Total Pit Capacity
W/2' of Freeboard
is 6,170 Bbls. ±

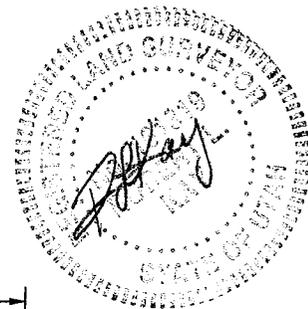
Reserve Pit Backfill
& Spoils Stockpile

Elev. Ungraded Ground at Location Stake = 6878.1'
Elev. Graded Ground at Location Stake = 6876.2'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

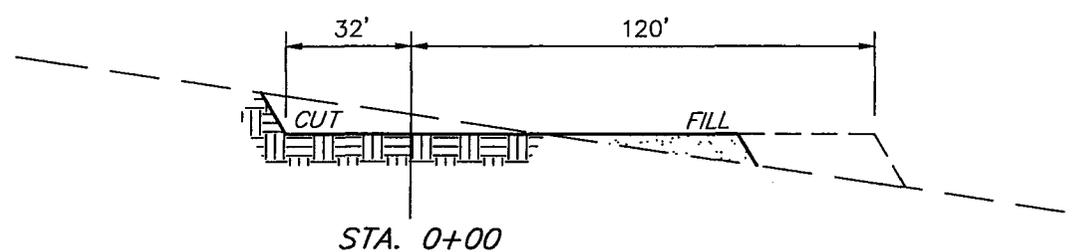
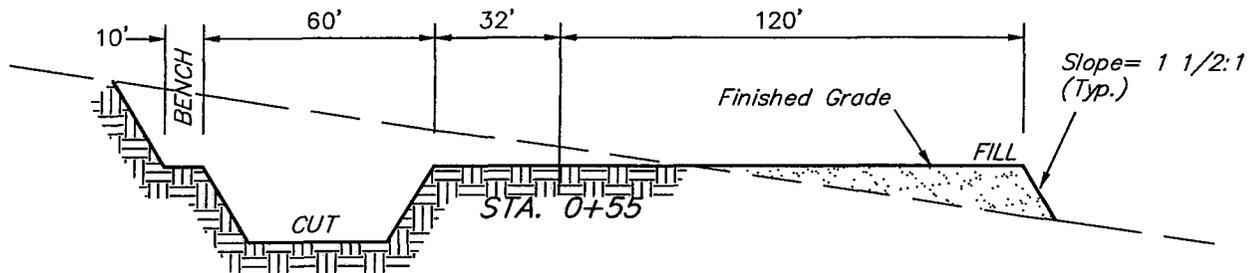
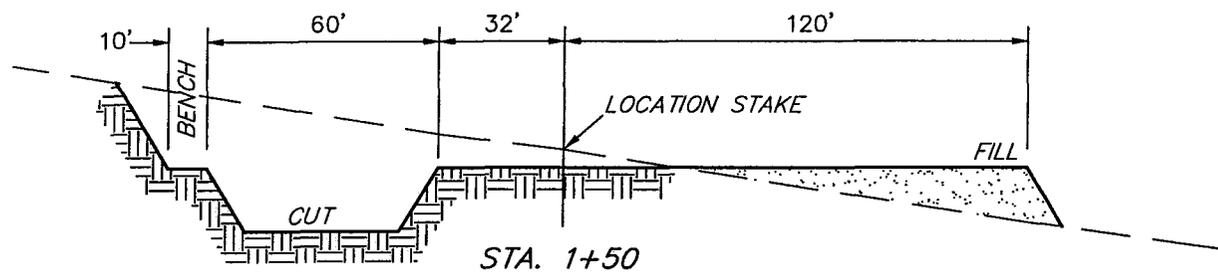
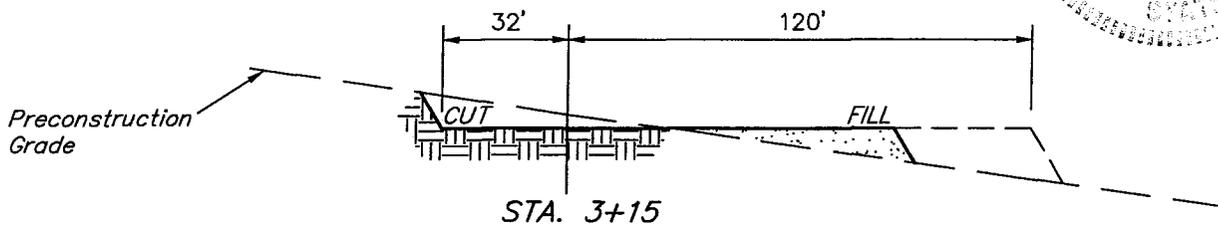
PANNONIAN ENERGY, INC.

**TYPICAL CROSS SECTION FOR
GATE CANYON STATE #31-21-11-15
SECTION 21, T11S, R15E, S.L.B.&M.
701' FNL 1898' FNL FEL**



1" = 20'
X-Section
Scale
1" = 50'

DATE: 3-18-02
DRAWN BY: C.G.

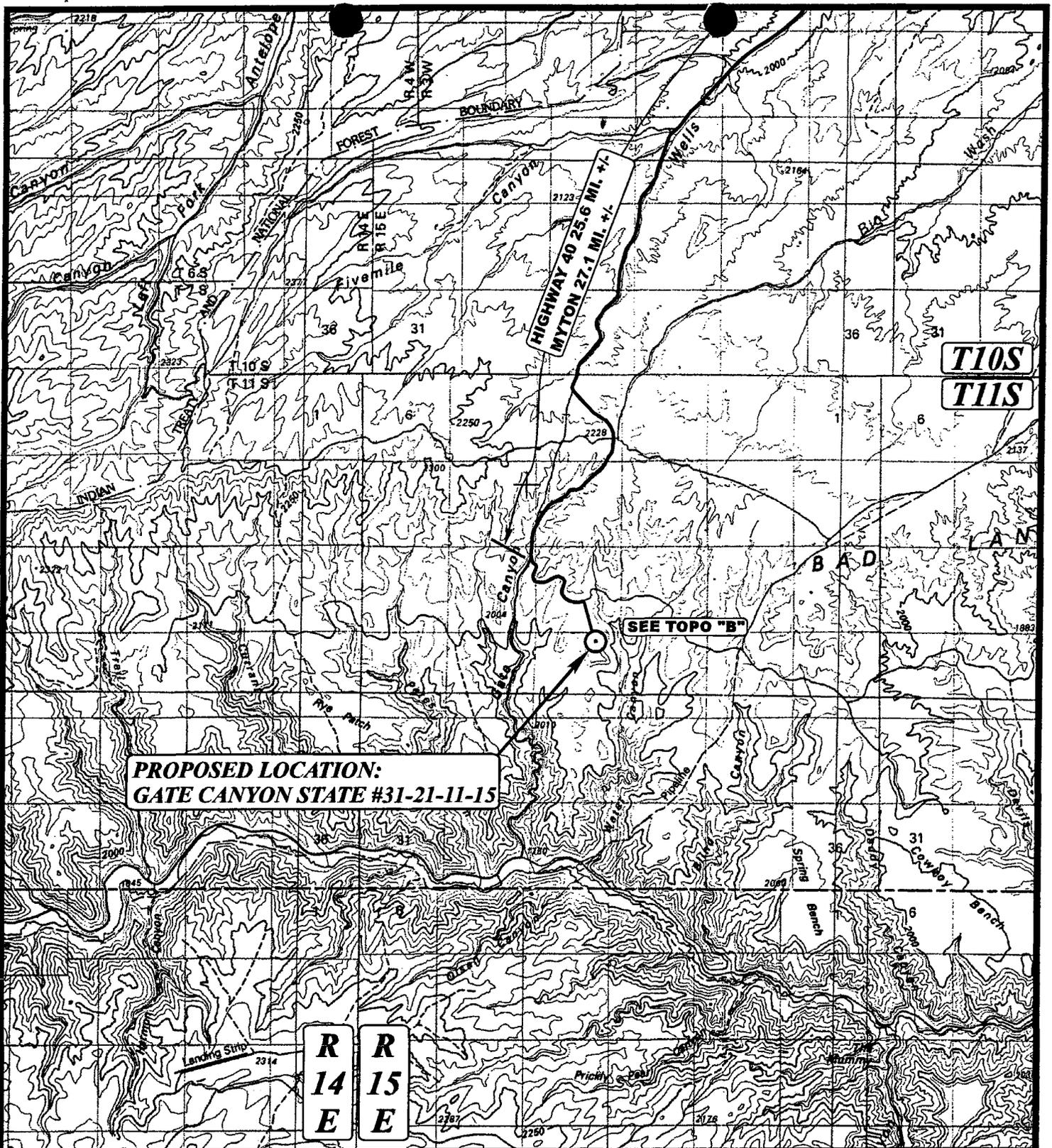


APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 1,070 Cu. Yds.
Remaining Location	= 4,930 Cu. Yds.
TOTAL CUT	= 6,000 CU.YDS.
FILL	= 3,840 CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION	= 1,960 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 1,960 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 0 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017



**PROPOSED LOCATION:
GATE CANYON STATE #31-21-11-15**

SEE TOPO "B"

**T10S
T11S**

**R 14 E
R 15 E**

LEGEND:

⊙ PROPOSED LOCATION



PANNONIAN ENERGY INC.

**GATE CANYON STATE #31-21-11-15
SECTION 21, T11S, R15E, S.L.B.&M.
701' FNL 1898' FEL**



Utah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

**TOPOGRAPHIC
MAP**

3 1902
MONTH DAY YEAR



SCALE: 1: 100,000 DRAWN BY: C.G. REVISED: 00-00-00

R
15
E

HIGHWAY 40 25.6 MI. +/-
MYTON 27.1 MI. +/-

1.2 MI. +/-

PROPOSED ACCESS 0.5 MI. +/-

PROPOSED LOCATION:
GATE CANYON STATE #31-21-11-15

T11S

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING ROAD

PANNONIAN ENERGY INC.

GATE CANYON STATE #31-21-11-15
SECTION 21, T11S, R15E, S.L.B.&M.
701' FNL 1898' FEL



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

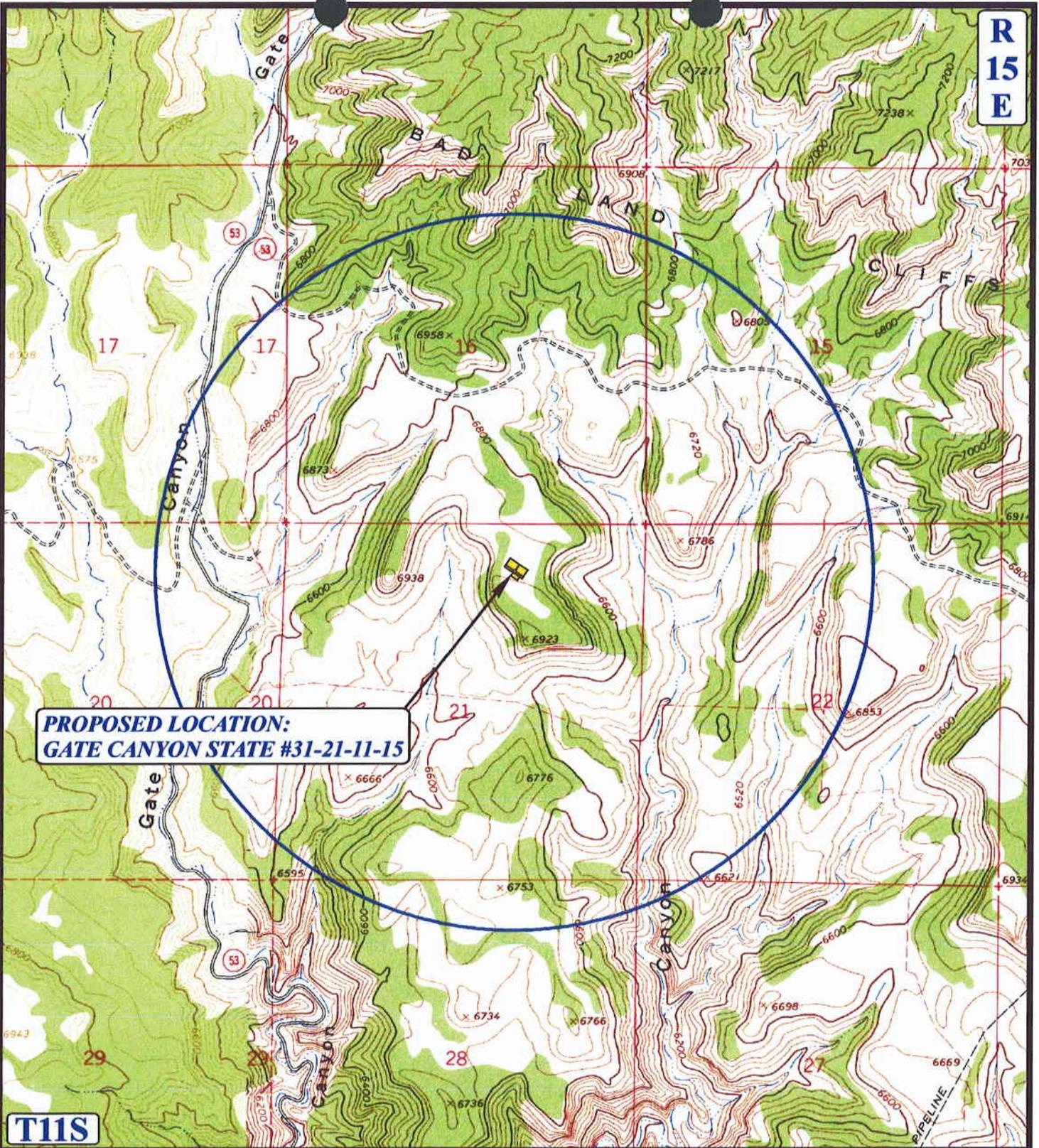
TOPOGRAPHIC
MAP

3 19 02
MONTH DAY YEAR



SCALE: 1" = 2000' DRAWN BY: C.G. REVISED: 00-00-00

R
15
E



**PROPOSED LOCATION:
GATE CANYON STATE #31-21-11-15**

T11S

LEGEND:

- ⊗ DISPOSAL WELLS
- PRODUCING WELLS
- ⊖ SHUT IN WELLS
- ⊗ WATER WELLS
- ⊖ ABANDONED WELLS
- ⊖ TEMPORARILY ABANDONED



PANNONIAN ENERGY INC.

**GATE CANYON STATE #31-21-11-15
SECTION 21, T11S, R15E, S.L.B.&M.
701' FNL 1898' FEL**



Utah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

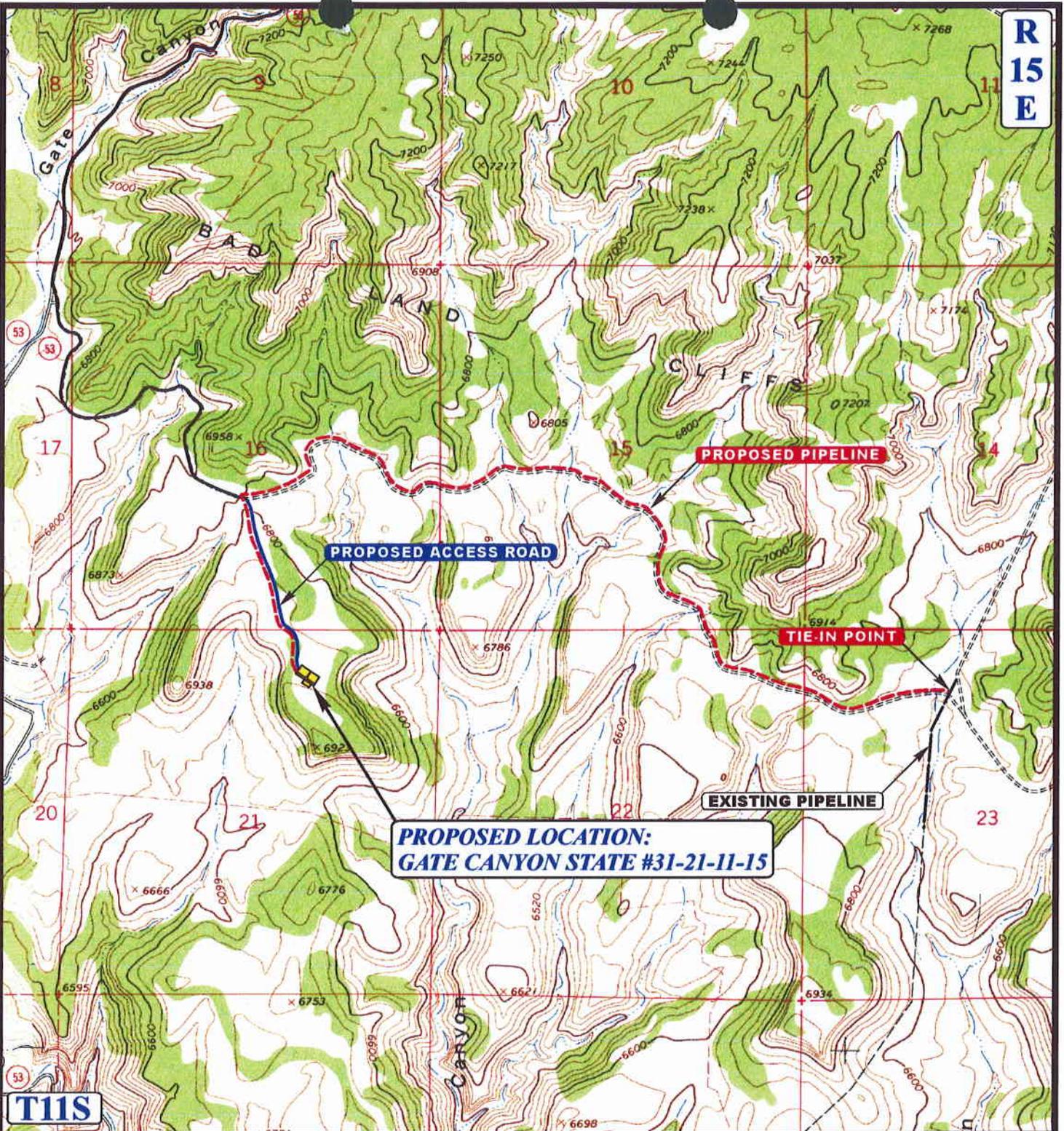
**TOPOGRAPHIC
MAP**

3 1902
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.G. REVISED: 00-00-00



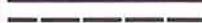
R
15
E



T11S

APPROXIMATE TOTAL PIPELINE DISTANCE = 15,600' +/-

LEGEND:

-  EXISTING PIPELINE
-  PROPOSED PIPELINE
-  PROPOSED ACCESS



PANNONIAN ENERGY INC.

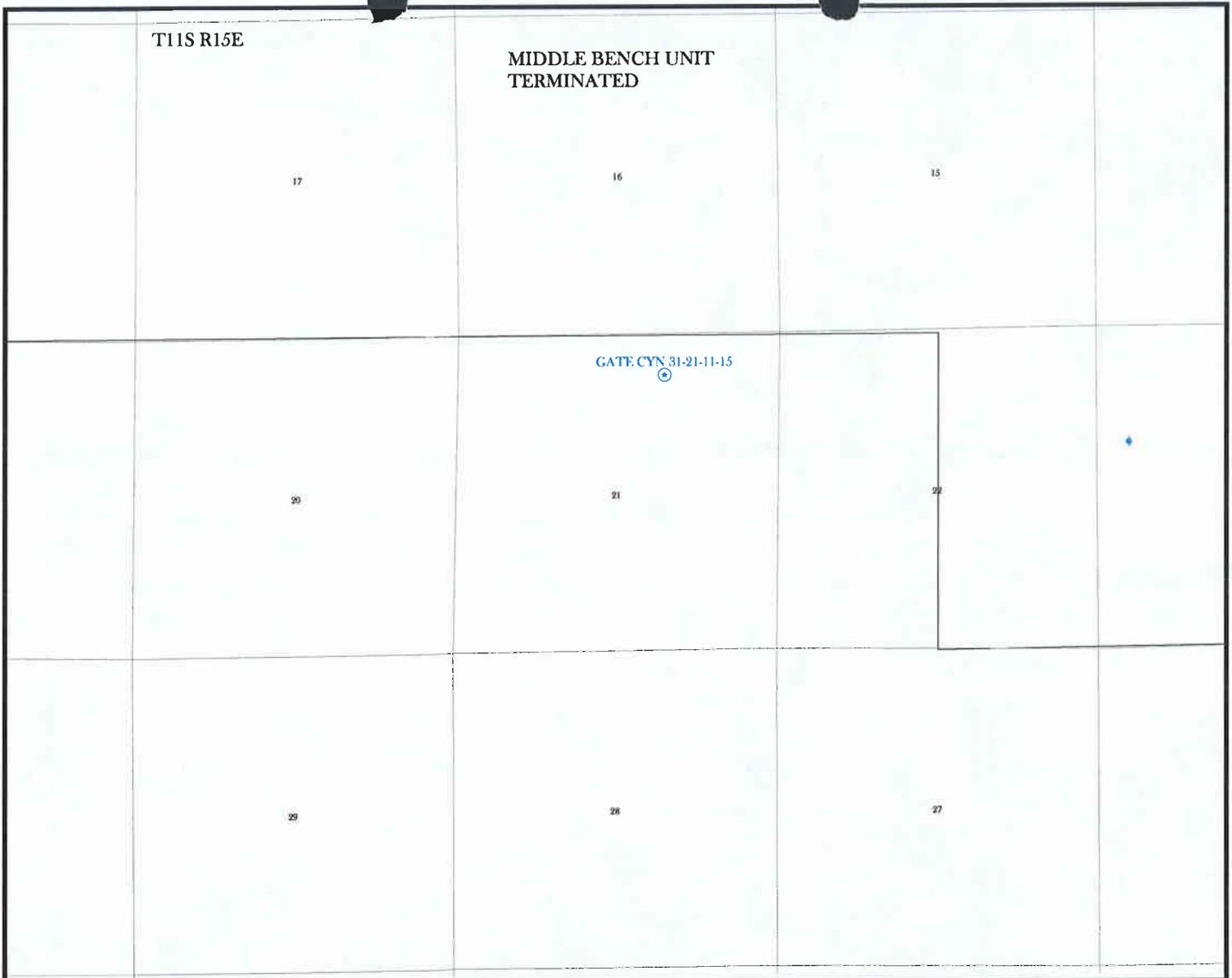
GATE CANYON STATE #31-21-11-15
SECTION 21, T11S, R15E, S.L.B.&M.
701' FNL 1898' FEL



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC **3 19 02**
MAP MONTH DAY YEAR
 SCALE: 1" = 2000' DRAWN BY: C.G. REVISED: 00-00-00





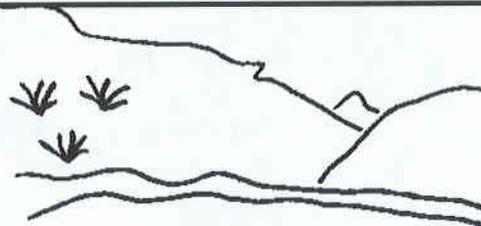
OPERATOR: PANNONIAN ENERGY INC (N1815)

SEC. 21 T11S, R15E

FIELD: WILDCAT (001)

COUNTY: DUCHESNE

SPACING: R649-3-2 / GENERAL SITING



Utah Oil Gas and Mining

WELLS

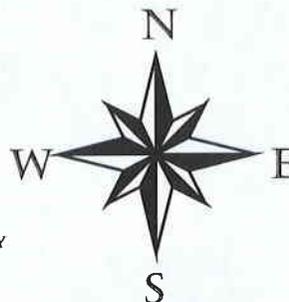
- ∕ GAS INJECTION
- GAS STORAGE
- × LOCATION ABANDONED
- ⊙ NEW LOCATION
- ◆ PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- × TEMP. ABANDONED
- TEST WELL
- ▲ WATER INJECTION
- ◆ WATER SUPPLY
- ♠ WATER DISPOSAL

UNIT STATUS

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

FIELD STATUS

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED
- COUNTY BOUNDARY
- SECTION LINES
- TOWNSHIP LINES



PREPARED BY: DIANA MASON
DATE: 24-JANUARY-2003

**DIVISION OF OIL, GAS AND MINING
APPLICATION FOR PERMIT TO DRILL
STATEMENT OF BASIS**

OPERATOR: Gasco Energy, Inc. dba Pannonian Energy, Inc.
WELL NAME & NUMBER: Gate Canyon 31-21-11-15
API NUMBER: 43-013-32391
LOCATION: 1/4,1/4 NW/NE Sec: 21 TWP: 11S RNG: 15E 701 FNL 1898 FEL

Geology/Ground Water:

Gasco/Pannonian has proposed setting 220 feet of surface casing at the proposed location. The depth of the moderately saline water is estimated at 4,900'. A search of Division of Water Rights records shows no water wells within a radius of 10,000' from the center of Section 21. The surface formation at the proposed location is the Green River Formation. The Green River Formation is made up of interbedded sandstones, limestones and shales. These rocks may be fractured in this area. This area should also be considered a recharge area for Green River Formation aquifers. The proposed well is located on a ridge top with steep adjacent canyons. Because of the close proximity to the canyon walls it is recommended that the surface casing be extended by 100' to 320'. This should allow the surface casing to extend beyond the base of the adjacent canyon floor and thus better protecting surface waters in the canyon. This may also enhance the ability to control the well should the well encounter high pressure zones by sealing off zones with nearby outcrops.

Reviewer: Brad Hill **Date:** February 11, 2003

Surface:

An onsite of the surface area was done by division staff to take input and address issues regarding the construction, and drilling, of said well. SITLA is the surface owner of record. Ed Bonner was invited to participate and represent SITLA during the onsite meeting on January 28, 2003 at 9:00 am by telephone. Ed Trotter represented the operator. The access road route was staked so that several pinion trees would need removed. Ed Bonner with SITLA requested the road be moved east and re-routed around that area to a more open spot (to an existing two-track) which would prevent the need to remove them. Floyd Bartlett with UDWR was there to represent wildlife and didn't see any issues with present staking of said well. Bartlett did, however, request a reclamation or recovery plan back to original condition after the well is plugged, and provided a seed mix to Ed Trotter consisting of both native and non-native seed. Adjacent canyons on both east and west side of locations run south into Nine Mile canyon. Those canyon walls indicate fractured rock that will probably require lining of reserve pit. Ed Trotter claims they plan on lining the reserve pit. Location was proposed as a legal location.

Reviewer: Dennis L. Ingram **Date:** February 5, 2003

Conditions of Approval/Application for Permit to Drill:

1. Re-route the access road to east onto existing two-track to protect existing pinion trees and vegetation.
2. Install a 12 mil (minimum) synthetic liner and sufficient padding to line reserve pit and prevent seepage into adjacent canyons.

ON-SITE PREDRILL EVALUATION
Division of Oil, Gas and Mining

OPERATOR: Gasco Energy, Inc. dba Pannonian Energy, Inc.
WELL NAME & NUMBER: Gate Canyon 31-21-11-15
API NUMBER: 43-013-32391
LEASE: State 90001-OB FIELD/UNIT: Wildcat
LOCATION: 1/4,1/4 NW/NE Sec: 21 TWP: 11S RNG: 15E 701 FNL 1898 FEL
LEGAL WELL SITING: F SEC. LINE; F 1/4,1/4 LINE; F ANOTHER WELL.
GPS COORD (UTM): X = 565289 E; Y = 4410440N SURFACE OWNER: SITLA(State Lands)

PARTICIPANTS

Dennis L. Ingram(DOGM); Ed Trotter (Consultant & permitting for Gasco; Floyd Bartlett (UDWR); Ed Bonner (SITLA)

REGIONAL/LOCAL SETTING & TOPOGRAPHY

Proposed approximately 25.6 miles south of highway 40 through Wells Draw and Gate Canyon on Sand Wash or Wrinkles Road on broad east/west bench overlooking jagged canyons that drain into Nine Mile Canyon.

SURFACE USE PLAN

CURRENT SURFACE USE: Wildlife use and sheep grazing

PROPOSED SURFACE DISTURBANCE: 0.5 miles +/- with location measuring 315'x 152'x plus reserve pit, spoils and topsoil stock pile area.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: None indicated by operator, check GIS data.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: Proposed as gas well with equipment set on location and gas sales line along access road from north, then easterly along Wrinkles/Sandwash Road to existing gas line in NW/QTR section 23 (approximately 2.5 miles).

SOURCE OF CONSTRUCTION MATERIAL: Native cut and fill using borrowed material.

ANCILLARY FACILITIES: None requested.

WASTE MANAGEMENT PLAN:

Was submitted to the Division with Application to Drill

ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: N/A

FLORA/FAUNA: Pinion/Juniper, Black sagebrush grasslands.

SOIL TYPE AND CHARACTERISTICS: light tan sandy loam with shale.

SURFACE FORMATION & CHARACTERISTICS: Upper Green River.

EROSION/SEDIMENTATION/STABILITY: Erosion potential, some sedimentation, no stability problems anticipated.

PALEONTOLOGICAL POTENTIAL: None observed during onsite visit.

RESERVE PIT

CHARACTERISTICS: Proposed on south/southwest corner of location in cut with prevailing winds adjacent to wellhead, measuring 60'x120'x 10' deep.

LINER REQUIREMENTS (Site Ranking Form attached): Liner Required

SURFACE RESTORATION/RECLAMATION PLAN

According to SITLA at time of reclamation or original condition before disturbance.

SURFACE AGREEMENT: Yes

CULTURAL RESOURCES/ARCHAEOLOGY: Not done yet, will be done by Jim Trusdale

OTHER OBSERVATIONS/COMMENTS

Surface slopes to east, adjacent canyons on both east and west of location.

ATTACHMENTS

Photos of this location were taken and placed on file.

Dennis L. Ingram
DOGM REPRESENTATIVE

02/05/03 11:00 am
DATE/TIME

**Evaluation Ranking Criteria and Ranking Score
For Reserve and Onsite Pit Liner Requirements**

<u>Site-Specific Factors</u>	<u>Ranking</u>	<u>Site Ranking</u>
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	
<25 or recharge area	20	<u>0</u>
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	<u>0</u>
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	20	<u>0</u>
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	<u>0</u>
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	<u>20</u>
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	10	
TDS >10000 or Oil Base Mud Fluid	15	
containing significant levels of hazardous constituents	20	<u>5</u>
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	<u>0</u>
Annual Precipitation (inches)		
<10	0	
10 to 20	5	
>20	10	<u>0</u>
Affected Populations		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	<u>0</u>
Presence of Nearby Utility		
Conduits		
Not Present	0	
Unknown	10	
Present	15	<u>0</u>

Final Score 25 (Level I Sensitivity)

Sensitivity Level I = 20 or more; total containment is required.

Sensitivity Level II = 15-19; lining is discretionary.

Sensitivity Level III = below 15; no specific lining is required.







UTAH DIVISION OF WATER RIGHTS
WATER RIGHT POINT OF DIVERSION PLOT CREATED TUE, FEB 11, 2003, 1:40 PM
PLOT SHOWS LOCATION OF 0 POINTS OF DIVERSION

PLOT OF AN AREA WITH A RADIUS OF 10000 FEET FROM A POINT
FEET, FEET OF THE CT CORNER,
SECTION 21 TOWNSHIP 11S RANGE 15E SL BASE AND MERIDIAN

PLOT SCALE IS APPROXIMATELY 1 INCH = 4000 FEET

N O R T H

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From: Steven Parkin
To: Diana Mason
Date: 2/26/03 3:42PM
Subject: Response: Gate Canyon, Wildcat Well

Diana,

The Utah Division Of Air Quality offers the following response regarding well drilling at Gate Canyon.

Response:

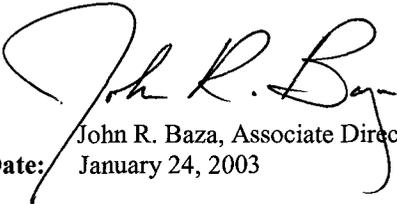
The proposed well drilling project, known as Gate Canyon 31-21-11-15, may require a permit, known as an Approval Order, from the Utah Division of Air Quality if any compressor stations are operating at the site. A permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, SLC, UT, 84116 for review according to the Utah Air Conservation Rule R307-400, Permits, Notice of Intent and Approval Order.

If you have any questions regarding air quality rules or issues, please feel free to contact me at (801) 536-4014.

Sincerely,

Steven Parkin, engineer
Utah Department Of Environmental Quality
Utah Division Of Air Quality

STATE ACTIONS
State Clearinghouse Coordinator
116 State Capitol, SLC, UT 84114
538-1535

1. Administering State Agency Oil, Gas and Mining 1594 West North Temple, Suite 1210 Salt Lake City, UT 84114-5801	2. State Application Identifier Number: (assigned by State Clearinghouse)
3. Approximate date project will start: Upon Approval or February 15, 2003	
4. Areawide clearinghouse(s) receiving state action: (to be sent out by agency in block 1) Uintah Basin Association of Governments	
5. Type of action: // Lease /X/ Permit // License // Land Acquisition // Land Sale // Land Exchange // Other _____	
6. Title of proposed action: Application for Permit to Drill	
7. Description: Gasco Energy, Inc. dba Pannonian Energy, Inc. proposes to drill the Gate Canyon 31-21-11-15 well (wildcat) on state lease 90001-OBA, Duchesne County, Utah. This action is being presented to the RDCC for consideration of resource issues affecting state interests. The Division of Oil, Gas and Mining is the primary administrative agency in this action and must issue approval before operations commence.	
8. Land affected (site location map required) (indicate county) NW/4, NE/4, Section 21, Township 11 South, Range 15 East, Duchesne County, Utah	
9. Has the local government(s) been contacted? No	
10. Possible significant impacts likely to occur: Degree of impact is based on the discovery of oil or gas in commercial quantities.	
11. Name and phone of district representative from your agency near project site, if applicable:	
12. For further information, contact: Diana Mason Phone: (801) 538-5312	13. Signature and title of authorized officer  John R. Baza, Associate Director Date: January 24, 2003

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT
(highlight changes)

APPLICATION FOR PERMIT TO DRILL				5. MINERAL LEASE NO: 90001-OBA	6. SURFACE: State
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>				7. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A	
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>				8. UNIT or CA AGREEMENT NAME: Expl. Agmt. 9001-OBA	
2. NAME OF OPERATOR: Gasco Energy, Inc. dba Pannonian Energy, Inc.				9. WELL NAME and NUMBER: Gate Cyn. 31-21-11-15	
3. ADDRESS OF OPERATOR: 14 Inverness Drive E. CITY Englewood STATE CO ZIP 80112			PHONE NUMBER: (303) 483-0044	10. FIELD AND POOL, OR WILDCAT:	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 701' FNL & 1898' FEL NW/NE 4410961Y 39.84804 AT PROPOSED PRODUCING ZONE: Same 565365X -110.23596				11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNE 21 11S 15E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 28.8 miles Southwest of Myton, Utah				12. COUNTY: Duchesne	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 701'		16. NUMBER OF ACRES IN LEASE: 640		17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) N/A		19. PROPOSED DEPTH: 11,760		20. BOND DESCRIPTION: #4127763 Utah Drilling Bond	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 6876' GR		22. APPROXIMATE DATE WORK WILL START: 2/15/2003		23. ESTIMATED DURATION: 45 days	

24. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT		
17 1/2"	13 3/8"	H-40	54#	220	Class "G"	260 sx	1.19 15.6 ppg
11"	8 5/8"	J-55	32#	3,100			
7 7/8"	4 1/2"	P-110	13.5#	11,760	Hifill	100 sx	3.82 11 ppg
					50-50 Poz mix	1560 sx	1.42 13.6 ppg

RECEIVED

JAN 22 2003

25. ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

DIV. OF OIL, GAS & MINING

- | | |
|--|--|
| <input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER | <input checked="" type="checkbox"/> COMPLETE DRILLING PLAN |
| <input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER | <input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER |

NAME (PLEASE PRINT) Ed Trotter TITLE AGENT
SIGNATURE [Signature] DATE 1-16-2003

(This space for State use only)

API NUMBER ASSIGNED: 43-013-32391

APPROVAL:

R
15
E

HIGHWAY 40 25.6 MI. +/-
MYTON 27.1 MI. +/-

1.2 MI. +/-

PROPOSED ACCESS 0.5 MI. +/-

PROPOSED LOCATION:
GATE CANYON STATE #31-21-11-15

T11S

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING ROAD



PANNONIAN ENERGY INC.

GATE CANYON STATE #31-21-11-15
SECTION 21, T11S, R15E, S.L.B.&M.
701' FNL 1898' FEL



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

3 19 02
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.G. REVISED: 00-00-00

B
TOPO

02-03 Pannonian Gate Cyn 31-1-11-15
 Casing Schematic

Surface

Green River
 13-3/8"
 MW 8.4
 Frac 19.3

8-5/8"
 MW 9.
 Frac 19.3

3015'
 Washout

7440'
 Max. Ver. Lc

10310'
 max. COS

4-1/2"
 MW 10.5

TOC @ 0.
 TOC @ Surface 320. MD

w/20% washout
 *Cont stop
 extended casing to 320'

w/17% washout

TOC @ 3450'
 Intermediate 3100. MD
 w/10% washout
 O.K.

TOC @ 4050.

w/15% washout

Ed trichter will ensure all zones will be protected w/ production cement. Feb 20, 2003

Production 11760. MD

BoP
BHP
 $(0.052)(10.5)(11760) = 6421 \text{ psi}$
 Anticipated = 6422 psi

Ges
 $(0.12)(11760) = 1411 \text{ psi}$
 MASP = 5071 psi

Mud
 $(0.22)(11760) = 2587 \text{ psi}$
 MASP = 3895 psi

SM BOPE proposed
 Adequate DKO 2/2/03

Well name: **02-03 Pannonian Gate Cyn 31-21-11-15**
 Operator: **Pannonian Energy, Inc.**
 String type: **Surface** Project ID: **43-013-32391**
 Location: **Duchesne Co.**

Design parameters:

Collapse
 Mud weight: 8.400 ppg
 Design is based on evacuated pipe.

Minimum design factors:

Collapse:
 Design factor 1.125

Environment:

H2S considered? No
 Surface temperature: 75 °F
 Bottom hole temperature: 79 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 200 ft

Burst

Max anticipated surface pressure: 0 psi
 Internal gradient: 0.468 psi/ft
 Calculated BHP 150 psi

Burst:

Design factor 1.00

Cement top:

104 ft

**Surface str. P*

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
 8 Round LTC: 1.80 (J)
 Buttress: 1.60 (J)
 Premium: 1.50 (J)
 Body yield: 1.60 (B)

Non-directional string.

Tension is based on buoyed weight.
 Neutral point: 281 ft

Re subsequent strings:

Next setting depth: 3,100 ft
 Next mud weight: 9.000 ppg
 Next setting BHP: 1,449 psi
 Fracture mud wt: 19.250 ppg
 Fracture depth: 320 ft
 Injection pressure 320 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	320	13.375	48.00	H-40	ST&C	320	320	12.59	3968
<i>Extended from 220'</i>									
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	140	740	5.30	150	1730	11.56	13.5	322	23.90 J

Prepared by: Dustin K. Doucet
 Utah Dept. of Natural Resources

Date: February 20, 2003
 Salt Lake City, Utah

ENGINEERING STIPULATIONS: Surface Casing Extended to 320 ft/cmt to surface.
 Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.
 Collapse is based on a vertical depth of 320 ft, a mud weight of 8.4 ppg The casing is considered to be evacuated for collapse purposes.
 Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	02-03 Pannonian Gate Cyn 31-21-11-15	
Operator:	Panonian Energy, Inc.	Project ID:
String type:	Intermediate	43-013-32391
Location:	Duchesne Co.	

Design parameters:

Collapse

Mud weight: 9.000 ppg
 Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
 Surface temperature: 75 °F
 Bottom hole temperature: 118 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 375 ft

Cement top: Surface

Burst

Max anticipated surface pressure: 0 psi
 Internal gradient: 0.545 psi/ft
 Calculated BHP 1,691 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
 8 Round LTC: 1.80 (J)
 Buttress: 1.60 (J)
 Premium: 1.50 (J)
 Body yield: 1.60 (B)

Tension is based on buoyed weight.
 Neutral point: 2,686 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 11,760 ft
 Next mud weight: 10.500 ppg
 Next setting BHP: 6,415 psi
 Fracture mud wt: 19.250 ppg
 Fracture depth: 3,100 ft
 Injection pressure 3,100 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	3100	8.625	32.00	J-55	ST&C	3100	3100	7.875	24736

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	1449	2530	1.75	1691	3930	2.32	85.9	372	4.33 J

Prepared by: Dustin K. Doucet
 Utah Dept. of Natural Resources

Date: February 20, 2003
 Salt Lake City, Utah

ENGINEERING STIPULATIONS: Surface Casing Extended to 320 ft/cmt to surface.
 Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.
 Collapse is based on a vertical depth of 3100 ft, a mud weight of 9 ppg The casing is considered to be evacuated for collapse purposes.
 Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:

02-03 Pannonian Gate Cyn 31-21-11-15

Operator: **Panonian Energy, Inc.**
String type: **Production**

Project ID:
43-013-32391

Location: **Duchesne Co.**

Design parameters:

Collapse

Mud weight: 10.500 ppg
Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 240 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 375 ft

Cement top: 4,050 ft

Burst

Max anticipated surface pressure: 0 psi

Internal gradient: 0.545 psi/ft
Calculated BHP: 6,415 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Non-directional string.

Tension is based on buoyed weight.
Neutral point: 9,938 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	11760	4.5	13.50	P-110	LT&C	11760	11760	3.795	65896

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	6415	10680	1.66	6415	12410	1.93	134.2	338	2.52 J

Prepared by: Dustin K. Doucet
Utah Dept. of Natural Resources

Date: February 20, 2003
Salt Lake City, Utah

ENGINEERING STIPULATIONS: Surface Casing Extended to 320 ft/cmt to surface.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.
Collapse is based on a vertical depth of 11760 ft, a mud weight of 10.5 ppg The casing is considered to be evacuated for collapse purposes
Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
(801) 538-5340 telephone
(801) 359-3940 fax
(801) 538-7223 TTY
www.nr.utah.gov

Michael O. Leavitt
Governor
Robert L. Morgan
Executive Director
Lowell P. Braxton
Division Director

February 26, 2003

Pannonian Energy, Inc.
14 Inverness Drive E
Englewood, CO 80112

Re: Gate Canyon 31-21-11-15 Well, 701' FNL, 1898' FEL, NW NE, Sec. 21, T. 11 South,
R. 15 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-32391.

Sincerely,

A handwritten signature in cursive script that reads "John R. Baza".

John R. Baza
Associate Director

er

Enclosures

cc: Duchesne County Assessor
SITLA

Operator: Pannonian Energy, Inc.
Well Name & Number Gate Canyon 31-21-11-15
API Number: 43-013-32391
Lease: 90001-OBA

Location: NW NE Sec. 21 T. 11 South R. 15 East

Conditions of Approval

1. **General**

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. **Notification Requirements**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

3. **Reporting Requirements**

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.

5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

6. Operator shall comply with applicable recommendations resulting from Resource Development Coordinating Committee review. Statements attached.

7. Surface casing shall be cemented to the surface and extended to a setting depth of 320 ft.

Page Two
Conditions of Approval 43-013-32391
February 26, 2003

8. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.
9. Proposed blooie line configuration should meet Utah Occupational Safety & Health Division requirements. Contact them at (801) 530-6901.

GASCO Energy
 Drilling Report
 Gate Canyon State #31-21-11-15
 NWNE, Sec.21 , T11S,R15E
 Duchesne County, Utah

43-013-32391



Distribution list: M. Decker, M. Erickson, R. Dean, D. Finneman, J. Longwell, Phillips Petroleum, R. Weathermon, M. Rael

- 4/7/03 Move in Huffman Excavation. Flat blade road around treed area.
- 4/8/03 Unload two dozers, start pushing location flat.
- 4/9/03 Ripping rock across location with two dozers.
- 4/10/03 Rocked out, will need to drill and shoot two high spots on pad and entire pit area.
- 4/11/03 Move in John Henry rock drill, drill pit area.
- 4/12/03 Drill blast holes in pit area and high spots.
- 4/13/03 Load holes with dynamite and Prell. Blast pit area and two high spots.
- 4/14/03 Push rubble out of pit area with dozers.
- 4/15/03 Level and finish location and pit.
- 4/16/03 Dress off access road with grader.
- 4/17/03 Move in Bill Juniors air drilling rig.
- 4/18/03 Drill 17 1/2" hole to 370'. Run 13 3/8" 54# H-40 casing to 359'. Cement with 350 sxs of class "H" cement with 2% CaCl2 mixed at 15.6 ppg.
- 4/19/03 Drill 12 1/4" hole with air hammer to 450'.
- 4/20/03 Drill 12 1/4" hole with air hammer to 910'
- 4/21/03 Drill 12 1/4" hole with air hammer to 1410'
- 4/22/03 RD and move off Bill Juniors rig.
- 4/23/03 WO CAZA Rig # 61

MAY 02 2003

DIV. OF OIL, GAS & MINERAL

ENTITY ACTION FORM

Operator: Gasco/Pannonian Energy
Address: 14 Inveness Dr. East ST. H-236
city Englewood
state CO zip 80112-5625

Operator Account Number: N/815

Phone Number: (303) 483-0044

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301332391	Gate Canyon State 31-21-11-15		nwne	21	21N	11E	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	13787	4/18/2003		6/4/03		
Comments:							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

RECEIVED
MAY 23 2003

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

DIV. OF OIL, GAS & MINING

John Longwell
Name (Please Print)

[Signature]
Signature

Operations Manager
Title

5-19-03
Date

4

GASCO Energy
Drilling Report
Gate Canyon State #31-21-11-15
NWNE, Sec.21 , T11S,R15E
Duchesne County, Utah

43-013-33391



Distribution list: M. Decker, M. Erickson, R. Dean, D. Finneman, J. Longwell, Phillips Petroleum, R. Weathermon, M. Rael

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- 4/23/03 WO Big Rig

CONFIDENTIAL

GASCO Energy
Drilling Report
Gate Canyon State #31-21-11-15
NWNE, Sec.21 , T11S,R15E
Duchesne County, Utah

- 12/18/03 Huffman installed pit liner and several loads of water. Review location with Nabors Supt. Location looks fine for rig #924.
- 12/19/03 Start moving in loads of Nabors 924.
- 12/20/03 Moving in and rigging up Nabors #924.
- 12/21/03 Moving in and rigging up Nabors #924.
- 12/22/03 Moving in and rigging up Nabors #924.
- 12/23/03 Moving in and rigging up Nabors #924.
- 12/24/03 Moving in and rigging up Nabors #924, start drawworks engines and raise derrick.
- 12/25/03 SDF Christmas.
- 12/26/03 SDF Christmas.
- 12/27/03 Clear 1'-3' drifts of snow.
- 12/28/03 Have six men on location, eight more enroute, installing boiler and running engines and servicing rig. Received 3200' of 9 5/8" 36# J-55 ST&C intermediate casing.
- 12/29/03 Unload mud products, prepare to spud well.



CONFIDENTIAL

Division of Oil, Gas & Mining
1594 West North Temple, Suite 1210
Salt Lake City, UT 84114-5801

Attn: Carol Daniels

December 8, 2003

Dear Ms. Daniels:

Gasco Energy (Pannonian Energy) will soon be drilling the Gate Canyon State 31-21-11-15, NWNE 21-T11S-R15E, Duchesne County, Utah. The API Number for this well is **43-013-32391**.

Gasco wishes to keep all information on this well CONFIDENTIAL for as long a period as possible.

Yours truly,

A handwritten signature in cursive script that reads "Robin Dean".

Robin Dean
Senior Geologist
Gasco Energy, Inc.

RECEIVED
DEC 10 2003
DIV. OF OIL, GAS & MINING

GASCO Energy
 Drilling Report
 Gate Canyon State #31-21-11-15
 NWNE, Sec.21 , T11S,R15E
 Duchesne County, Utah

43-013-32391



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GASCO Energy
Drilling Report
Gate Canyon State #31-21-11-15
NWNE, Sec.21 , T11S,R15E
Duchesne County, Utah

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12/25/03 SDF Christmas.

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12/27/03 Clear 1'-3' drifts of snow.

12/28/03 Have six men on location, eight more enroute, installing boiler and running engines and servicing rig. Received 3200' of 9 5/8" 36# J-55 ST&C intermediate casing.

12/29/03 Unload mud products, prepare to spud well.

12/30/03 Hook up boiler. WO personell. Plan to spud tonight if crew shows up.

12/31/03 Finish repairing rig, GIH with 12 1/4" Security XL18N Insert tip bit, 2-8" collars, 6-6" collars and 4 1/2" DP to 1402'. Resume drilling well at 11:21 PM 12-31-03. Drill to 1431', blew hole in standpipe. Pick up into surface casing. SD WO welder.

1/1/04 Repair standpipe and other broken equipment. No report

1/2/04 PO drilling at 1518' with bit #1. Work on rig. No report.

1/3/04 PO drilling at 1828' with bit #1. Made 310' in 24 hrs. MW 8.4

GASCO Energy
Drilling Report
Gate Canyon State #31-21-11-15
NWNE, Sec.21 , T11S,R15E
Duchesne County, Utah

- 1/4/04 PO drilling at 2184'. Drill from 1828' to 2181', bit #1 slowed down POOH at 2181' and GIH with bit #2 a 12 1/4" Sec 5376, 2- 8" collars, 12- 6" collars and 4 1/2" DP. Made 356' in 20 hrs. 85 RPM, 35,000# WOB, survey 1 deg at 2749', mud is water.
- 1/5/04 PO drilling at 2652' with bit #2. RPM 85, MW 8.4, WOB 35,000#
- 1/6/04 PO drilling at 2998' with bit #2. Made 318' in 20 hrs. MW 8.8, Vis 27, Ph 8.5, GPM 691, PP 1850, Survey .75 deg at 2853'.
- 1/7/04 PO POOH to run casing. Drill to 3124' C&C hole, POOH and tally drill pipe. Found Nabors tally was off by 4 jts, over 100'. GIH and drill actual footage 3023'-3117'. C&C hole to run intermediate casing. MW 8.8. Survey .75 deg @ 3086'
- 1/8/04 PO WOC. Drill to 3117, circ out and POOH. Ran 91 jts of 9 5/8" 36# J-55 ST&C casing to 3116'. RU Schlumberger and cement with 425 sxs of class G lite mixed at 11 PPG followed by 185 sxs of class G mixed at 14.2 PPG. Good returns thru job, topped off with 42 sxs of class G. Start nipple down BOP's.
- 1/9/04 PO NU BOP'S. ND BOP'S, cut off wellhead, cut off 9 5/8" csg, weld on new casing head, test wellhead to 1000psi OK, NU BOP'S. Should drill out this afternoon.
- 1/10/04 PO Test BOP's. NU BOP stack, replace hydraulic lines, NU diverter lines, replace two bad valves, RU tester, test upper and lower Kelly valves, replace one, test pipe rams 500 low, 5000 high.
- 1/11/04 PO TIH with BHA. Finish testing BOP's and choke, work on fillup line, relocate mousehole, repair charger pump, adjust drawworks brakes, make up Sec FM 2655PDC bit, Sperry Sun mud motor, 18- 6 1/4" collars.
- 1/12/04 PO drilling at 3624'. TIH, work on pipe spinner, TIH and tag cement, work on motors, drill cement and shoe, work on Kelly spinner and air compressor, drill shoe, TEST shoe to 11.88 ppg EMW. Drill to 3624'. ROP 37 ft/hr, Mw 8.4, Vis 24, Ph 10.5, WOB 12K, RPM 150, PP 1850, GPM 691. Oil show at 3515'.

GASCO Energy
Drilling Report
Gate Canyon State #31-21-11-15
NWNE, Sec.21 , T11S,R15E
Duchesne County, Utah

- 1/13/04 PO control drilling at 4300' with bit #3. Drill to 4130', survey 3deg, control drill from 4130'-4300' to straighten out. Mw 8.8, Vis 26, Ph 8, WOB 12,000#, RPM 207, PP 1850, GPM 415, Survey 3 deg at 4025'.
- 1/14/04 PO control drilling at 5100' with bit #3. Drill from 4130' to 5100' with controlled ROP to control deviation. Mw 8.6, Vis 25, Ph 9.0, WOB 12,000#, RPM 207, PP 1850, GPM 415, Survey 3 deg at 4605'.
- 1/15/04 PO Drilling at 5775'. Drill from 5100' to 5775' with bit #3, made 675' in 23 hrs. Mw 8.7, Vis 26, Ph 8.5, WOB 15-20K, RPM 200, PP 1850, GPM 415.
- 1/16/04 PO drilling at 6315' with bit #3. Drill from 5775' to 6315' in 22 hrs. Mw 8.6, Vis 27, Ph 8.5, WOB 15-20,000#, RPM 200, PP 1850, GPM 415, Survey 3 deg at 5601'.
- 1/17/04 PO Drilling at 6457'. Drill from 6315' to 6457' with bit #3, made 142' in 12 hrs. POOH with bit #3, made 3340' in 108 hrs. GIH with HC 505Z PDC bit, teledrift, 24 6.25" collars. Mw 8.8, Vis 28, Ph 8.5, WOB 15-20K, RPM 200, PP 1850, GPM 415.
- 1/18/04 PO Drilling at 7125'. Fin GIH with bit #4, break in bit, drill from 6457' to 7125' with bit #4, made 668' in 20 hrs. Lost one mud pump, power wen out for several hours. Mw 8.7, Vis 26, Ph 8.5, WOB 15-20K, RPM 57, PP 1850, GPM 346, Survey 2deg at 6605'.
- 1/19/04 PO Drilling at 7550'. Drill from 7125' to 7550' with bit #4. Made 425' in 20 hrs with one pump. Lost rig power twice, mechanic on location now. Starting gradual mud-up. Mw 8.7, Vis 26, Ph 8.5, WOB 15-20K, RPM 57, PP 1850, GPM 346,
- 1/20/04 PO Drilling at 8000'. Drill from 7550' to 8000' with bit #4. Made 450' in 21 hrs. Lost generator again for several hours. MW 9.0, Vis 27, Ph 8.5, WOB 20K, RPM 57, PP 1850, GPM 346, Survey 2.5 deg at 7634'.
- 1/21/04 PO Drilling at 8300'. Drill from 8000' to 8300' with bit #4. Made 300' in 18 hrs. Pump #2 going down frequently cutting P- rate. Mw 9.3, Vis 30, Ph 8, WOB 20, RPM 57, PP 1850, GPM 346.
- 1/22/04 PO POOH for rig service. Drill from 8300' to 8445' with bit #4, lost pump #2 turbo, hydril leaking, cannot make any hole with one pump due to mud

CONFIDENTIAL

GASCO Energy
Drilling Report
Gate Canyon State #31-21-11-15
NWNE, Sec.21 , T11S,R15E
Duchesne County, Utah

motor stalling out. Replace turbo, pump still will not keep running. POOH to repair pump and Hydril. Mw 9.3, Vis 31, Ph 8.5.

1/23/04

PO Working on pump #2. Fin POOH with bit #4. Crew did not show up, two hands working on pump #2 Change liners and swabs from 6" to 5 1/2". Two more hands showed up, work on hydril and flowline.

Measured Depth:	8,575'	TVD:	8,575'	PBTD:		Proposed MD:	11,760'	Proposed TVD:	11,760'								
DOL:	27	DFS:	26	Spud Date:	31-Dec-03	Daily Footage:	249'	Daily Rot Hrs:	21	Total Rot Hrs:	24						
Torque:		Drag:	2K	Rot Wt:	220K	P/U Weight:	240K	S/O Wt:	196K	Wind:	0	Seas:	W	Bar:	29.85	POB:	
Last Casing Size:	9 5/8	Set At:	3,117'	TVD		Shoe Test:	11.88	Leakoff?	Y	N	<input checked="" type="checkbox"/>						
Cum Rot Hrs on Casing:		Cum Rot Hrs on Casing Since Last Caliper:		Depth Worst Wear:		% Remaining:											
Liner Size:		Set At:	TVD	Liner Top At:	MD	TVD											
Mud Co:	MI	Type:	POLY/GEL	Sample From:	SUC	Wt:	9.3	FV:	30	PV:	4	YP:	4	Gel:	2/2/6		
WL API:		HTHP:		FC(1/32) API/HTHP:	1	Solids:	4.80	% Oil:		% Water:	95.2	% Sand:	0.25	MBT:		pH:	8.5
Pm:	0.60	Pf/Mf:	.6/6.8	Carb:		Cl:	1,200	Ca/Ma:	120	Bent:	-2.78	Solids % HG/LG:	2.4% / 2.4%	% DS/Bent:	2.8% / -0.3%		
Engr Service	Materials added last 24 hrs:																

T113 RISE SEC-21 APP # 43-013-32391

Drig Gas:	15	Max Gas:	15	Conn. Gas:	N/A	Trip Gas:	96	Trip Cl:		Remarks:			
Bit No.	IADC	Size	Manufacturer	Serial Number	Type	Jets				TFA	MD In	MD Out	TVD Out
	M323	7 7/8	SEC	7103929	HC505Z	25	25	25	25	1.9175	6,457'	8,299'	8,299'
5	617X	7 7/8	SEC	10552743	XS44S	24	24	24		1.3254	8,299'		
Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Dull Char	Reason Pulled	Cost/Ft	
1,842'	81.00	20	70/130	2	6	RO	ST	XXX	I	RO	PR		
276'													

Total Length of BHA: 717' BHA Description: 7.875-HC PDC BIT (W/ 6-14's) 1-6.5" SPERRY SUN MUD MTR-XO SUB W/FLOAT

TELEDRIPT 24 - 6.25" DC @ 80#/FT-

										DC Size:	6	DP Size:	4 1/2
Pump	Liner	Stroke	BBL/STK	SPM	Pressure	GPM	Jet Vel	DP AV	DC AV	Bit HHP	BHHP/SQ. IN.	Pump HHP	
1	6	11	0.097	85	1,850	346	58	203	326	6	0.12	374	
2	6	10	0.087		1,850								

Survey MD	TVD	Angle	Direction	N/S Coordinate	E/W Coordinate	Vertical Section	DLS
	6605	3					
	7634	2.5					

Hrs.	(From-To) hh:mm	Operations Covering 24 Hours Ending at 06:00 Hours
08:00	06:00 - 14:00	DRILLING AHEAD WITH ONE PUMP ONLINE @ < 10 FT/HR
01:30	14:00 - 15:30	MECHANIC WORKING ON MOTOR NUMBER TWO TO GET IT BACK ON LINE
08:30	15:30 - 24:00	BOTH PUMPS ONLINE DRILLING @ 14-25 FT/R
06:00	00:00 - 06:00	DRILLING AHEAD WITH BOTH PUMPS, 15.5 FT/HR AVG.
	-	
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CONFIDENTIAL

E & S Summary: MECHANIC HAS #2 ENGINE ONLINE AND ABLE TO RUN BOTH PUMPS. BIG CHANGE IN AVG ROP

Days Since Last: Lost Time Accident: OSHA Rec.: MMS INCs: Spill:

Last BOP Test: 1/10/2004 Next BOP Test: 1/22/04 RKB - MSL: 15' Water Depth:

24 Hr Forecast: DRILL AHEAD SWEEPING HOLE

Daily Mud Cost:	\$1,735	Daily Tangible Cost:		Daily Well Cost:	\$23,541	AFE Number:	
Cum Mud Cost:	\$36,131	Cum Tangible Cost:	\$45,069	Cum Well Cost:	\$756,067	Total Appr:	
Drill Water:	Potable Water:	Fuel:	Bulk Wt:	Cement> Neat:	Blended:		
Profit Center:	Rig:	NABORS 924	Rig Phone:	Drilling Rep:	MARK F BARNES		
Field:	WILDCAT	Lease:	GATE CANYON STATE 31-21-11-	Well #:	1	Date:	25-Jan-04

INTANGIBLES				Daily	Cum
830.001 Surveying & Permits				0	0
830.006 Rig Mob/Demob				0	0
830.007 Drilling Cost			15,000	15,000	345,000
830.009 Fuel/Power		RIG FUEL		0	51,482
830.010 Rental Tools and Equipment			1,320	1,320	20,880
MUD MOTOR	1,300	FLARE IGNITOR			
XO SUB	20				
TELEDRFT					
GAS BUSTER (10 DAYS FREE)3					
POWER CHOKE (10 DAYS FREE)					
830.011 Directional Tools, Surveys, & Services				0	0
830.012 Fishing Tools & Services				0	0
830.013 Bits, Stabilizers		SEC XS 44S		0	31,200
830.014 Drilling Mud & Chemicals			1,735	1,735	36,131
830.015 Mud System Equipment Rental		MUD CLEANER	225	225	1,530
830.016 Casing Crews & Tools				0	6,645
830.017 Casing Hardware (Non-Salvageable)				0	0
830.018 Cement & Cement Services				0	49,969
830.021 Mud Logging		COLUMBINE LOGGING SERVICE	775	775	10,850
830.020/830.023 Open Hole Logging and Coring				0	0
830.029 Pipe/Tubing Inspection and Testing				0	4,066
830.035 Fluids/Cuttings Disposal				0	0
830.036 Transportation - Tugs/Boats/Barges/Air				0	0
830.037 Dock Services / Trucking				0	3,560
830.038 Communication		RIG PHONE AND INTERCOMS (MOUNTAIN WEST INC.)	20	20	340
830.019 Contract Labor				0	6,099
830.039 Wellsite Supervision		NEW TECH ENGINEERING	825	825	16,500
830.040 Overhead Expense - Administration (Office) & Eng				0	0
830.041 Insurance				0	0
830.043 Misc & Unforeseen (Includes General Supplies)				0	3,135
830.005 Water Well or Supply (potable Water)		JIM NEBEKER TRUCKING DRILL WATER		0	13,626
830.042 Plug & Abandon				0	0
830.044 Rihg Site Housing		MOUNTAIN WEST INC.	220	220	6,680
830.043 Contingency @	10 %		2,012	2,012	60,769
830.058 Parish and State Taxes @	7 %		1,408	1,408	42,538
TOTAL INTANGIBLE				23,541	710,999

TANGIBLE

850.010 Caisson				0	0
850.010 Drive Pipe				0	0
850.010 Conductor Casing				0	0
850.020 Surface Casing		9.625 @ \$12.98/FT 3245'		0	42,120
850.030 Intermediate Casing				0	0
850.060 Drilling Liners				0	0
850.051 Subsurface Equipment & Hardware				0	0
850.050 Wellhead Equipment and Trees				0	0
				0	0
				0	0
				0	0
Contingency @				0	0
850.058 Parish and State Taxes @	7 %		0	0	2,948
TOTAL TANGIBLE				0	45,069
Total Daily Field Estimate				23,541	
Days on Location: 27				Total Cumulative Field Estimate 756,067	
Rig:	NABORS 924	Well No.:	1	Prepared By: MARK F BARNES	
Field:	WILDCAT	Lease:	CANYON STATE 31-2	AFE No.:	Date THRU: 1/25/2004

Spud Date: 12/31/2003		MD (ft): 8,575'		TVD: 8,575'		Present Activity: DRILLING											
Contractor: NABORS			Rig: NABORS 924			Report Number: 27											
Drilling Mud Supplier: MI				Report For Contract Supervisor:													
MUD VOLUME (BBL)																	
Hole: w/ DP		Hole: w/o DP: 517		Pits: 800		Total Circ. Vol.: 800		Storage:		Type: POLY/GEL							
CIRCULATING DATA																	
Bbl/Min: 8.2		Gal/Min: 346		Annual Vel. (Ft./Min)		DP: 203		DC: 326									
Circulation Pressure (PSI): 1,850			Bottoms Up Time (Min): 26			Total Circ. Time (Min.): 97.0											
Current Mud Properties						Mud Property Specifications											
Sample From: SUC			Wt:			Viscosity:			Filtrate:								
Time Sample Taken: 15:00			Mud Contains			Recommended Treatment											
Flowline Temperature (Deg. F): 85																	
Depth (ft): 8,388'			CONFIDENTIAL														
Weight (ppg): 9.30																	
Funnel Vis.(sec./qt.) API: 85 Deg. F: 30																	
Plastic Viscosity cp @ 85 Deg. F: 4																	
Yield Point (lb/100 sq. ft.): 4																	
Gel Strength (lb/100 sq. ft.) 10 sec/10 min.: 2/2/6																	
Filtrate API (cc/30 min.):																	
HTHP @ Deg. F PSI:																	
Cake Thickness (32nd in API/HTHP): 1																	
Solids Content (% by vol.) Retort: 4.8																	
Oil Content (% by vol.) Retort:																	
Water Content (% by vol.) Retort: 95.2																	
Sand Content (% by vol.): 0.25																	
Methylene Blue Capacity (lb/bbl. equiv.):																	
PH Meter @ 55 Deg. F: 8.5			EQUIPMENT						Cost Data								
Alkalinity Mud (Pm): 0.60			Size		Hrs/Tour												
Alkalinity Filtrate (pf/Mf): .6/6.8			Centrifuge				Daily Cost: \$1,735										
Carbonate Determination (mg/1000 cc):			Degasser														
Chloride (mg/1000 cc): 1,200			Desander														
Calcium (mg/1000 cc) /Mag (mg/1000 cc): 120			Desilter														
Bentonite (lb/bbl.): -2.78			Shaker				Cumulative: \$36,131										
Solids % High Gravity / % Low Gravity: 2.4% / 2.4%			Other														
Solids % Drill Solids / % Bentonite: 2.8% / -0.3%			Other														
Corrected Solids/Corrected Saltwater: 4.8% / 95.2%			Other														
DAPP (lbs/bbl): 6.3			Other														
Remarks:																	
Drilling Fluids Rep.: TOM RICE				Home Address:				Phone: 435-789-3107									
Mud or Consulting Co.: MI				Warehouse Location: VERNAL				Phone: 435-722-2466									
Mud Chemical Inventory																	
Units	SX	SX	SX	SX	SX	SX	SX	5 GAL	SX	SX	SX	SX	SX	SX	DRUM	DAY	
Cost/Unit	13.37	11.46	9.26	5.52	10.87	16.22	11.60	64.79	162.32	18.48	58.28	3.75	8.08	20.00		461.97	
Description	DAPP	PAPER	DUROGEL	MI BAR	MARBLE WHITE	MAXI SEAL	MICA MEDIUM	POLY PLUS	POLY PAC	SALT DRILL	SAPP	SAWDUST	SODA ASH	SODIUM BICARB	KLA GUARD B	ENGINEERING	
Starting Inventory	204	76	406	520	112	210	110	34	54	39	61	70	96	0	8	0	35
Received																	
Used Last 24 Hours	40							6	5								
Closing Inventory	164	76	406	520	112	210	110	28	49	39	61	70	96	0	8	0	35
Time Distribution:	Drilling:			Trip:			CCM:			Other:							
Circulating Information:	n:			K:			Type of Flow:			ECD:							
Profit Center:	AFE:			Drilling Rep:			MARK F BARNES										
Field: WILDCAT	Lease: GATE CANYON STATE 31-			Well No.: 1			Date: 25-Jan-04										

Measured Depth: 8,682'	TVD: 8,682'	PBD:	Proposed MD: 11,760'	Proposed TVD: 11,760'
DOL: 28	DFS: 27	Spud Date: 31-Dec-03	Daily Footage: 107'	Daily Rot Hrs: 11
Torque:	Drag:	Rot Wt:	P/U Weight:	S/O Wt.
Last Casing Size: 9 5/8	Set At: 3,117'	TVD	Shoe Test: 11.88	Leakoff? Y N <input checked="" type="checkbox"/>
Cum Rot Hrs on Casing:	Cum Rot Hrs on Casing Since Last Caliper:	Depth Worst Wear:	% Remaining:	
Liner Size:	Set At: TVD	Liner Top At: MD	TVD	
Mud Co: MI	Type: POLY/GEL	Sample From: SUC	Wt: 9.4	FV: 34
WL API:	HTHP:	FC(1/32) API/HTHP: 1	Solids: 5.40	% Oil:
Pm: 0.50	Pf/Mf: .5/7.4	Carb:	Cl: 1,200	Ca/Ma: 120
Engr Service	Materials added last 24 hrs:			

TIH RISE SEC-21 API# 43-013-32391

Drig Gas: 15	Max Gas:	Conn. Gas:	Trip Gas:	Trip Cl:	Remarks:							
Bit No.	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out		
5	617X	7 7/8	SEC	10552743	XS44S	24 24 24	1.3254	8,299'	8,682'	8,682'		
Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Dull Char	Reason Pulled	Cost/Ft
1,842'	81.00	20	70/130	2	6	RO	ST	XXX	I	RO	PR	
383'	32.00	40	30/110	2	2	BT	ST	EEE	I	BT	PR	

Total Length of BHA: 717' BHA Description: 7.875-SEC XS 48S BIT (W/ 3-24's) 1-6.5" SPERRY SUN MUD MTR-XO SUB W/FLC

TELEDRIPT 24 - 6.25" DC @ 80#/FT-

										DC Size: 6	DP Size: 4 1/2	
Pump	Liner	Stroke	BBL/STK	SPM	Pressure	GPM	Jet Vel	DP AV	DC AV	Bit HHP	BHHP/SQ. IN.	Pump HHP
1	5.5	11	0.081	69	1,850	234	39	137	221	2	0.04	253
2	5.5	10	0.074	80	1,850	247	41	145	233	2	0.04	267

Survey MD	TVD	Angle	Direction	N/S Coordinate	E/W Coordinate	Vertical Section	DLS
	6605	3					
	7634	2.5					
	8625	2.5					

Hrs.	(From -To) hh:mm	Operations Covering 24 Hours Ending at 06:00 Hours
11:30	06:00 - 17:30	DRILLING AHEAD ON BOTH PUMPS, SWEEPING HOLE, ROP DROPPING TO <4 FT/HR BEFORE POOH
00:30	17:30 - 18:00	PUMP SLUG, SLUG DIDN'T TAKE REMIX SECOND SLUG
00:30	18:00 - 18:30	PUMP SECOND SLUG
05:30	18:30 - 24:00	POOH FOR NEW BIT, ON TOP BY MIDNITE (HOLE SLICK TO TOP)
06:00	00:00 - 06:00	TIH WITH NEW BIT (XS 48S)
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

CONFIDENTIAL

E & S Summary:

Days Since Last: Lost Time Accident: OSHA Rec.: MMS INCS: Spill:

Last BOP Test: 1/22/04 Next BOP Test: RKB - MSL: 14' Water Depth:

24 Hr Forecast: DRILL AHEAD SWEEPING HOLE

Daily Mud Cost: \$2,281 Daily Tangible Cost: \$674 Daily Well Cost: \$33,148 AFE Number:

Cum Mud Cost: \$38,411 Cum Tangible Cost: \$45,743 Cum Well Cost: \$796,089 Total Appr:

Drill Water: Potable Water: Fuel: Bulk Wt: Cement> Neat: Blended:

Profit Center: Rig: NABORS 924 Rig Phone: 435-823-4272 Drilling Rep: MARK F BARNES

Field: WILDCAT Lease: GATE CANYON STATE 31-21-11-15 Well #: 1 Date: 26-Jan-04

INTANGIBLES				Daily	Cum
830.001 Surveying & Permits				0	0
830.006 Rig Mob/Demob				0	0
830.007 Drilling Cost				15,000	360,000
830.009 Fuel/Power		RIG FUEL		0	51,482
830.010 Rental Tools and Equipment				1,555	28,310
MUD MOTOR	1,300	FLARE IGNITOR			
XO SUB	20	EPOCH 235			
TELEDRFT					
GAS BUSTER (10 DAYS FREE)3					
POWER CHOKE (10 DAYS FREE)					
830.011 Directional Tools, Surveys, & Services				0	0
830.012 Fishing Tools & Services				0	0
830.013 Bits, Stabilizers		SEC XS 48S		6,200	37,400
830.014 Drilling Mud & Chemicals				2,281	38,411
830.015 Mud System Equipment Rental		MUD CLEANER		225	1,755
830.016 Casing Crews & Tools				0	6,645
830.017 Casing Hardware (Non-Salvageable)				0	0
830.018 Cement & Cement Services				0	49,969
830.021 Mud Logging		COLUMBINE LOGGING SERVICE		775	11,625
830.020/830.023 Open Hole Logging and Coring				0	0
830.029 Pipe/Tubing Inspection and Testing				0	4,066
830.035 Fluids/Cuttings Disposal				0	0
830.036 Transportation - Tugs/Boats/Barges/Air				0	0
830.037 Dock Services / Trucking		TRASH HAUL AND CLEAN 2 PORTOLETS		655	4,215
830.038 Communication		RIG PHONE AND INTERCOMS (MOUNTAIN WEST INC.)		20	360
830.019 Contract Labor				0	6,099
830.039 Wellsite Supervision		NEW TECH ENGINEERING		825	17,325
830.040 Overhead Expense - Administration (Office) & Eng				0	0
830.041 Insurance				0	0
830.043 Misc & Unforeseen (Includes General Supplies)				0	3,135
830.005 Water Well or Supply (potable Water)		JIM NEBEKER TRUCKING DRILL WATER		0	13,626
830.042 Plug & Abandon				0	0
830.044 Rihg Site Housing		MOUNTAIN WEST INC.		220	6,900
830.043 Contingency @ 10 %				2,776	64,132
830.058 Parish and State Taxes @ 7 %				1,943	44,893
TOTAL INTANGIBLE				32,474	750,347

TANGIBLE

850.010 Caisson				0	0
850.010 Drive Pipe				0	0
850.010 Conductor Casing				0	0
850.020 Surface Casing		9.625 @ \$12.98/FT 3245'		0	42,120
850.030 Intermediate Casing				0	0
850.060 Drilling Liners				0	0
850.051 Subsurface Equipment & Hardware				0	0
850.050 Wellhead Equipment and Trees		CAMERON		630	630
				0	0
				0	0
				0	0
				0	0
Contingency @				0	0
850.058 Parish and State Taxes @ 7 %				44	2,993
TOTAL TANGIBLE				674	45,743
Total Daily Field Estimate				33,148	
Days on Location: 28				Total Cumulative Field Estimate 796,089	
Rig:	NABORS 924	Well No.:	1	Prepared By: MARK F BARNES	
Field:	WILDCAT	Lease:	CANYON STATE 31-2	AFE No.:	Date THRU: 1/26/2004

Spud Date: 12/31/2003		MD (ft): 8,682'		TVD: 8,682'		Present Activity: DRILLING											
Contractor: NABORS			Rig: NABORS 924			Report Number: 28											
Drilling Mud Supplier: MI				Report For Contract Supervisor:													
MUD VOLUME (BBL)																	
Hole: w/ DP		Hole: w/o DP: 523		Pits: 800		Total Circ. Vol.: 800		Storage:		Type: POLY/GEL							
CIRCULATING DATA																	
Bbl/Min: 5.6		Gal/Min: 234		Annual Vel. (Ft./Min)		DP: 137		DC: 221									
Circulation Pressure (PSI): 1,850			Bottoms Up Time (Min): 39			Total Circ. Time (Min.): 143.5											
Current Mud Properties				Mud Property Specifications													
Sample From: SUC			Wt:		Viscosity:		Filtrate:										
Time Sample Taken: 16:00			Mud Contains		Recommended Treatment												
Flowline Temperature (Deg. F): 90																	
Depth (ft): 8,671'																	
Weight (ppg): 9.40																	
Funnel Vis.(sec./qt.) API: 85 Deg. F: 34					CONFIDENTIAL												
Plastic Viscosity cp @ 85 Deg. F: 4																	
Yield Point (lb/100 sq. ft.): 4																	
Gel Strength (lb/100 sq. ft.) 10 sec/10 min.: 2/2/4																	
Filtrate API (cc/30 min.):																	
HTHP @ 55 Deg. F PSI:																	
Cake Thickness (32nd in API/HTHP): 1																	
Solids Content (% by vol.) Retort: 5.4																	
Oil Content (% by vol.) Retort:																	
Water Content (% by vol.) Retort: 94.6																	
Sand Content (% by vol.): 0.25																	
Methylene Blue Capacity (lb/bbl. equiv.):																	
PH Meter @ 55 Deg. F: 8.0			EQUIPMENT														
Alkalinity Mud (Pm): 0.50			Size		Hrs/Tour		Cost Data										
Alkalinity Filtrate (pf/Mf): .5/7.4			Centrifuge				Daily Cost: \$2,281										
Carbonate Determination (mg/1000 cc):			Degasser														
Chloride (mg/1000 cc): 1,200			Desander														
Calcium (mg/1000 cc) /Mag (mg/1000 cc): 120			Desilter														
Bentonite (lb/bbl.): -3.29			Shaker				Cumulative: \$38,411										
Solids % High Gravity / % Low Gravity: 2.5% / 2.9%			Other														
Solids % Drill Solids / % Bentonite: 3.3% / -0.4%			Other														
Corrected Solids/Corrected Saltwater: 5.4% / 94.6%			Other														
DAPP (lbs/bbl): 6.1			Other														
Remarks:																	
Drilling Fluids Rep.: TOM RICE				Home Address:				Phone: 435-789-3107									
Mud or Consulting Co.: MI				Warehouse Location: VERNAL				Phone: 435-722-2466									
Mud Chemical Inventory																	
Units	SX	SX	SX	SX	SX	SX	SX	5 GAL	SX	SX	SX	SX	SX	SX	DRUM	DAY	
Cost/Unit	13.37	11.46	9.26	5.52	10.87	16.22	11.60	64.79	162.32	18.48	58.28	3.75	8.08	20.00		461.97	
Description	DAPP	PAPER	DUROGEL	MIBAR	MARBLE WHITE	MAXI SEAL	MICA MEDIUM	POLY PLUS	POLY PAC	SALT DRILL	SAPP	SAWDUST	SODA ASH	SODIUM BICARB	KLA GUARD B	ENGINEERING	
Starting Inventory	164	76	406	520	112	210	110	28	49	39	61	70	96	0	8	0	35
Received																	
Used Last 24 Hours	25							10	8								
Closing Inventory	139	76	406	520	112	210	110	18	41	39	61	70	96	0	8	0	35
Time Distribution:	Drilling:			Trip:			CCM:			Other:							
Circulating Information: n:				K:				Type of Flow:				ECD:					
Profit Center:				AFE:				Drilling Rep: MARK F BARNES									
Field: WILDCAT				Lease: GATE CANYON STATE 31-				Well No.: 1				Date: 26-Jan-04					

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GASCO ENERGY INC

Drilling Activity Report

Ver.6-13-01

Measured Depth:	8,682'	TVD:	8,682'	PBTD:		Proposed MD:	11,760'	Proposed TVD:	11,760'						
DOL:	30	DFS:	29	Spud Date:	31-Dec-03	Daily Footage:	0'	Daily Rot Hrs:	0	Total Rot Hrs:	0				
Torque:		Drag:		Rot Wt:		P/U Weight:		S/O Wt:		Wind:	0				
Last Casing Size:	9 5/8	Set At:	3,117'	TVD		Shoe Test:	11.88	Leakoff?	Y	N	POB:	29.85			
Cum Rot Hrs on Casing:		Cum Rot Hrs on Casing Since Last Caliper:		Depth Worst Wear:		% Remaining:									
Liner Size:		Set At:		TVD		Liner Top At:		MD		TVD					
Mud Co:	MI	Type:	POLY/GEL	Sample From:	SUC	Wt:	9.4	FV:	34	PV:	4	YP:	4	Gel:	2/2/6
WL API:	NA	HHP:	NA	FC(1/32) API/HHP:	1	Solids:	4.60	% Oil:	NA	% Water:	95.4	% Sand:	0.25	MBT:	NA
PH:	0.5	Carb:		Cl:	1,200	Ca/Ma:	120	Bent:		Solids % HGLG:		% DS/Bent:			
Pm:	5/7.3	Pf/Mf:	NA	Carb:		Cl:	1,200	Ca/Ma:	120	Bent:		Solids % HGLG:		% DS/Bent:	
Engr Service															
Drig Gas:		Max Gas:		Conn. Gas:		Trip Gas:		Trip Cl:		Remarks:					
Bit No.	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Cut					
6		7 7/8"	SEC	10520293	XS 48S	24 24 24		8,682'	8,682'	8,682'					
7		7 7/8"	SEC	10384059	XS 48S	24 24 24	1.32536	8,682'							
Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Dull Char	Reason Pulled	Cost/Ft			
0'															
Total Length of BHA:		717'	BHA Description: BIT, MUD-MOTOR, FLOAT SUB, TELE DRIFT, 24-6 3/8" DC's												
Bit Cost	Row 1	8,600	Row 2	10,000	RigS	5625	Trip	16.0	DC Size:	6	DP Size:	4 1/2			
Pump	Liner	Stroke	BBL/STK	SPM	Pressure	GPM	Jet Vel	DP AV	DC AV	Bit HHP	BHHP/SQ IN	Pump HHP			
Survey MD	TVD	Angle	Direction	N/S Coordinate	E/W Coordinate	Vertical Section	DLS								
Hrs.	(From To) hours	Operations Covering 24 Hours Ending at 06:00 Hours													
04:00	06:00	CONT. TOOH W/ FISH													
02:30	10:00	12:30 LD BHA AND BIT N° 6 (XS 48S), (FISH 100% RECOVERED)													
03:30	12:30	16:00 INSPECT BHA													
08:00	16:00	24:00 TIH W/ BIT N° 7, (SEC XS 48S)													
06:00	00:00	06:00 CONT. TIH W/ BIT N° 7													
		LD BIT N° 6 (XS 48S) FOLLOWING FISHING JOB,													
		BIT VISUAL CONDITION IS GOOD, ROTATING HRS ON BIT WERE ZERO													
		7 CRACKED PINS AND ONE CRACKED BOX WERE IDENTIFIED ON FISH													
E & S Summary:															
Days Since Last:	Lost Time Accident:	OSHA Rec.:	MMS INCs:	Spill:											
Last BOP Test:	1/22/04	Next BOP Test:	RKB - MSL:	14'	Water Depth:										
24 Hr Forecast:	DRILLING														
Drill Tech:	Accidents:														
Daily Mud Cost:	Daily Tangible Cost:	Daily Well Cost:	\$39,456	AFE Number:											
Cum Mud Cost:	Cum Tangible Cost:	Cum Well Cost:		Total Appr:											

CONFIDENTIAL

TIIS RISE SEC-21
API # 43-013-32391

Carol Dan - WILDCAT 1 Jan 28		IS	Rig Phone: 435-823-4272	Drilling Rep: JEFF DAN
Field: WILDCAT	Lease: GATE CANYON STATE 31-21-11-15	NABOP 4	Well #: 1	Date: 1/28/04

Attention: Remember to **SAVE** Report after inputting all data (Click **FILE**, **SAVE** or third button from left).

GASCO ENERGY INC.

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Daily Mud Report

CONFIDENTIAL

Spud Date:	12/31/03	MD (ft):	8,682'	TVD:	8,682'	Present Activity:	LD FISH, WTIH BIT N° 7										
Contractor:	NABORS	Rig:	NABORS 924	Report Number:	30												
Drilling Mud Supplier	MI	Report For Contract Supervisor:															
MUD VOLUME (BBL)																	
Hole: w/ DP		Hole: w/o DP		Pits:	800	Total Circ. Vol.:	800										
Storage:		Type:	POLY/GEL														
CIRCULATING DATA																	
Bbl/Min:		Gal/Min:		Annual Vel. (FL/Min)		DP:											
DC:																	
Circulation Pressure (PSI):		Bottoms Up Time (Min):		Total Circ. Time (Min.):													
Current Mud Properties				Mud Property Specifications													
Sample From	SUC	Wt:		Viscosity:		Filtrate:											
Time Sample Taken	14:30	Mud Contains		Recommended Treatment													
Flowline Temperature (Deg. F)	70																
Depth (ft)	8,662'																
Weight (ppg)	9.40																
Funnel Vis.(sec./qt.) API	70 Deg. F	34															
Plastic Viscosity cp @	70 Deg. F	4															
Yield Point (lb/100 sq. ft.)		4															
Gel Strength (lb/100 sq. ft.) 10 sec/10 min.		212/6															
Filtrate API (cc/30 min.)		NA															
HTHP @		NA															
Cake Thickness (32nd in API/HTHP)		1															
Solids Content (% by vol.) Retort		4.6															
Oil Content (% by vol.) Retort		NA															
Water Content (% by vol.) Retort		95.4															
Sand Content (% by vol.)		0.25															
Methylene Blue Capacity (lb/bbl equiv.)		NA															
PH Meter @	70 Deg. F	0.5	EQUIPMENT			Cost Data											
Alkalinity Mud (Pm)		57.3		Size	Hrs/Tour												
Alkalinity Filtrate (p/Mf)		NA	Centrifuge														
Carbonate Determination (mg/1000 cc)		NA	Degasser			Daily Cost:											
Chloride (mg/1000 cc)		1,200	Desander				\$0										
Calcium (mg/1000 cc) /Mag (mg/1000 cc)		120	Desilter														
Bentonite (lb/bbl.)			Shaker			Cumulative:											
Solids % High Gravity / % Low Gravity			Other														
Solids % Drill Solids / % Bentonite			Other														
Corrected Solids/Corrected Saltwater			Other														
DAPP (lbs/bbl)		6	Other														
Remarks:																	
Drilling Fluids Rep.:	TOM RICE			Home Address:				Phone:	435-789-3107								
Mud or Consulting Co.:	MI			Warehouse Location:	VERNAL			Phone:	435-722-2466								
Mud Chemical Inventory																	
Units	SX	SX	SX	SX	SX	SX	SX	5 GAL	SX	SX	SX	SX	SX	SX	DRUM		DAY
Cost/Unit	13.37	11.46	9.26	5.52	10.87	16.22	11.80	64.79	162.32	18.48	58.28	3.75	8.08	20.00			461.97
Description																	
Starting Inventory	139	76	406	520	112	210	110	18	41	39	61	70	96	0	8	0	35
Received																	
Used Last 24 Hours																	
Closing Inventory	139	76	406	520	112	210	110	18	41	39	61	70	96	0	8	0	35
Time Distribution:	Drilling:			Trip:			CCM:			Other:							
Circulating Information:	n:			K:			Type of Flow:			ECD:							

Attention: Remember to **SAVE** Report after inputting all data (Click **FILE**, **SAVE** or third button from left).

INTANGIBLES				Daily	Cum
830.001 Surveying & Permits				0	#REF!
830.006 Rig Mob/Demob				0	#REF!
830.007 Drilling Cost				15,000	15,000
830.009 Fuel/Power RIG FUEL				9,296	9,296
830.010 Rental Tools and Equipment				1,555	1,555
MUD MOTOR	1,300	FLARE IGNITOR			
XO SUB	20	EPOCH	235		
TELEDRFT					
GAS BUSTER (10 DAYS FREE)3					
POWER CHOKE (10 DAYS FREE)					
830.011 Directional Tools, Surveys, & Services				0	#REF!
830.012 Fishing Tools & Services				0	#REF!
830.013 Bits, Stabilizers				0	#REF!
830.014 Drilling Mud & Chemicals MI				266	266
830.015 Mud System Equipment Rental MUD CLEANER				225	225
830.016 Casing Crews & Tools				0	#REF!
830.017 Casing Hardware (Non-Salvageable)				0	#REF!
830.018 Cement & Cement Services				0	#REF!
830.021 Mud Logging COLUMBINE LOGGING SERVICE				775	775
830.020/830.023 Open Hole Logging and Coring				0	#REF!
830.029 Pipe/Tubing Inspection and Testing				0	#REF!
830.035 Fluids/Cuttings Disposal				0	#REF!
830.036 Transportation - Tugs/Boats/Barges/Air				0	#REF!
830.037 Dock Services / Trucking				0	#REF!
830.038 Communication RIG PHONE AND INTERCOMS (MOUNTAIN WEST INC.)				20	20
830.019 Contract Labor				0	#REF!
830.039 Wellsite Supervision NEW TECH ENGINEERING				825	825
830.040 Overhead Expense - Administration (Office) & Eng				0	#REF!
830.041 Insurance				0	#REF!
830.043 Misc & Unforeseen (Includes General Supplies) NATIONAL OILWELL (5 1/2" AND 6 1/2" PUMP LINERS				8,612	8,612
830.005 Water Well or Supply (potable Water)				0	#REF!
830.042 Plug & Abandon				0	#REF!
830.044 Rihg Site Housing				0	#REF!
830.043 Contingency @ 10 %				3,657	3,657
830.058 Parish and State Taxes @ 7 %				2,560	2,560
TOTAL INTANGIBLE				42,792	#REF!

TANGIBLE

850.010 Caisson				0	#REF!
850.010 Drive Pipe				0	#REF!
850.010 Conductor Casing				0	#REF!
850.020 Surface Casing 9.625 @ \$12.98/FT 3245'				0	#REF!
850.030 Intermediate Casing				0	#REF!
850.060 Drilling Liners				0	#REF!
850.051 Subsurface Equipment & Hardware				0	#REF!
850.050 Wellhead Equipment and Trees				0	#REF!
				0	#REF!
				0	#REF!
				0	#REF!
				0	#REF!
Contingency @				0	#REF!
850.058 Parish and State Taxes @ 7 %				0	#REF!
TOTAL TANGIBLE				0	#REF!
Total Daily Field Estimate				42,792	
Days on Location:				Total Cumulative Field Estimate #REF!	
Rig:	NABORS 924	Well No.:	1	Prepared By:	JEFF DUNCAN
Field:	WILDCAT	Lease:	CANYON STATE 31-2	AFE No.:	Date THRU: 1/29/2004

Spud Date: 12/31/2003		MD (ft): 8,790'		TVD: 8,790'		Present Activity: DRILG											
Contractor: NABORS			Rig: NABORS 924			Report Number:											
Drilling Mud Supplier: MI				Report For Contract Supervisor:													
MUD VOLUME (BBL)																	
Hole: w/ DP		Hole: w/o DP: #####		Pits: 800		Total Circ. Vol.: 800		Storage:		Type: POLY/GEL							
CIRCULATING DATA																	
Bbl/Min: 5.6		Gal/Min: 234		Annual Vel. (Ft./Min)		DP: #####		DC: #####									
Circulation Pressure (PSI): 1,347			Bottoms Up Time (Min): #####			Total Circ. Time (Min.): 143.5											
Current Mud Properties				Mud Property Specifications													
Sample From: SUC				Wt:		Viscosity:		Filtrate:									
Time Sample Taken: 10:00				Mud Contains		Recommended Treatment											
Flowline Temperature (Deg. F): 75																	
Depth (ft): 8,682'				CONFIDENTIAL													
Weight (ppg): 9.40																	
Funnel Vis.(sec./qt.) API 75 Deg. F: 30																	
Plastic Viscosity cp @ 75 Deg. F: 4																	
Yield Point (lb/100 sq. ft.): 5																	
Gel Strength (lb/100 sq. ft.) 10 sec/10 min.: 2/2/4																	
Filtrate API (cc/30 min.): NA																	
HTHP @ Deg. F PSI: NA																	
Cake Thickness (32nd in API/HTHP): 1																	
Solids Content (% by vol.) Retort: 4.6																	
Oil Content (% by vol.) Retort: NA																	
Water Content (% by vol.) Retort: 95.4																	
Sand Content (% by vol.): 0.25																	
Methylene Blue Capacity (lb/bbl. equiv.): NA																	
PH Meter @ 70 Deg. F: 8.0				EQUIPMENT				Cost Data									
Alkalinity Mud (Pm): 0.50				Size		Hrs/Tour											
Alkalinity Filtrate (pf/Mf): .5/6.5				Centrifuge				Daily Cost: \$0									
Carbonate Determination (mg/1000 cc): NA				Degasser													
Chloride (mg/1000 cc): 800				Desander													
Calcium (mg/1000 cc) /Mag (mg/1000 cc): 120				Desilter				Cumulative: #REF!									
Bentonite (lb/bbl.): #VALUE!				Shaker													
Solids % High Gravity / % Low Gravity: #VALUE!				Other													
Solids % Drill Solids / % Bentonite: #VALUE!				Other													
Corrected Solids/Corrected Saltwater: #VALUE!				Other													
DAPP (lbs/bbl): 5.6				Other													
Remarks:																	
Drilling Fluids Rep.: TOM RICE				Home Address:				Phone: 435-789-3107									
Mud or Consulting Co.: MI				Warehouse Location: VERNAL				Phone: 435-722-2466									
Mud Chemical Inventory																	
Units	SX	SX	SX	SX	SX	SX	SX	5 GAL	SX	SX	SX	SX	SX	SX	DRUM	DAY	
Cost/Unit	13.37	11.46	9.26	5.52	10.87	16.22	11.60	64.79	162.32	18.48	58.28	3.75	8.08	20.00		461.97	
Description	DAPP	PAPER	DUROGEL	MI BAR	MARBLE WHITE	MAXI SEAL	MICA MEDIUM	POLY PLUS	POLY PAC	SALT DRILL	SAPP	SAWDUST	SODA ASH	SODIUM BICARB	KLA GUARD B	ENGINEERING	
Starting Inventory	139	76	406	520	112	210	110	18	41	39	61	70	96	0	8	0	35
Received																	
Used Last 24 Hours																	
Closing Inventory	139	76	406	520	112	210	110	18	41	39	61	70	96	0	8	0	35
Time Distribution:	Drilling:				Trip:			CCM:			Other:						
Circulating Information: n:				K:			Type of Flow:				ECD:						
Profit Center:				AFE:			Drilling Rep: JEFF DUNCAN										
Field: WILDCAT			Lease: GATE CANYON STATE 31-				Well No.: 1			Date: 29-Jan-04							

Measured Depth:	9,065'	TVD:	9,065'	PBDT:		Proposed MD:	11,760'	Proposed TVD:	11,760'								
DOL:	32	DFS:	31	Spud Date:	31-Dec-03	Daily Footage:	275'	Daily Rot Hrs:	23.5	Total Rot Hrs:	38						
Torque:	NA	Drag:	2K	Rot Wt:	170K	P/U Weight:	215K	S/O Wt:	205K	Wind:	0	Seas:	W	Bar:	29.85	POB:	
Last Casing Size:	9 5/8	Set At:	3,117'	TVD	330'	Shoe Test:	11.88	Leakoff?	Y	N	<input checked="" type="checkbox"/>						
Cum Rot Hrs on Casing:		Cum Rot Hrs on Casing Since Last Caliper:		Depth Worst Wear:		% Remaining:											
Liner Size:		Set At:	TVD	Liner Top At:	MD	TVD											
Mud Co:	MI	Type:	POLY/GEL	Sample From:	SUC	Wt:	9.2	FV:	31	PV:	6	YP:	3	Gel:	2/2/5		
WL API:	NA	HHP:	NA	FC(1/32) API/HHP:	1	Solids:	4.60	% Oil:	NA	% Water:	95.4	% Sand:	TRACE	MBT:	NA	pH:	8.0
Pm:	0.50	Pf/Mf:	.5/6.8	Carb:		Cl:	1,100	Ca/Ma:	120	Bent:	#####	Solids % HG/LG:	#VALUE!	% DS/Bent:	#		
Engr Service		Materials added last 24 hrs:															

T115 RISE SEC-21 API# 43-013-32391

Drig Gas:	15	Max Gas:	470	Conn. Gas:	470	Trip Gas:	NA	Trip Cl:		Remarks:		
Bit No.	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out		
7		7 7/8"	SEC	10384059	XS 48S	24 24 24	#####	8,668'				
Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Dull Char	Reason Pulled	Cost/Ft
#####	38.00	40-45	135-150									
#####												

Total Length of BHA: 773' BHA Description: BIT, MUD-MOTOR, FLOAT SUB, TELE DRIFT, 24-6 3/8" DC's

Bit Cost	Row 1	8,500	Row 2	10,000	Rig\$/hr	\$625	Trip Time/hr	0.0	DC Size:	6 3/8"	DP Size:	4 1/2"
Pump	Liner	Stroke	BBL/STK	SPM	Pressure	GPM	Jet Vel	DP AV	DC AV	Bit HHP	BHHP/SQ. IN.	Pump HHP
1	5.5	11	0.081	69	1,347	234	#VALUE!	#####	#####	#VALUE!	#VALUE!	184
2	5.5	10	0.074	86	1,347	265	#VALUE!	#####	#####	#VALUE!	#VALUE!	209

Survey MD	TVD	Angle	Direction	N/S Coordinate	E/W Coordinate	Vertical Section	DLS
	8914'		2°				

Hrs.	(From -To) hh:mm	Operations Covering 24 Hours Ending at 06:00 Hours
11:30	06:00 - 17:30	DRLG F/ 8790' - 8930'
00:30	17:30 - 18:00	RIG SERVICE AND SURVEY @ 8914' 2°
06:00	18:00 - 24:00	DRLG F/ 8930' - 8997'
06:00	00:00 - 06:00	DRLG F/ 8997' - 9065'
-	-	TOTAL FOOTAGE BIT #7 (397/38 HRS, 10.44 F/HR)
-	-	DRILLING BREAKS 8790' - 8860' ROP 2-3 MIN/FT, BG GAS BEFORE 10 UNITS, PEAK 235 UNITS
-	-	DRLG MOTOR - 148 HRS @06:00

CONFIDENTIAL

E & S Summary:											
Days Since Last:	Lost Time Accident:	OSHA Rec.:	MMS INCs:	Spill:							
Last BOP Test:	1/22/04	Next BOP Test:	RKB - MSL: 14'	Water Depth:							
24 Hr Forecast:	DRILLING										
Daily Mud Cost:	\$4,802	Daily Tangible Cost:		Daily Well Cost:	\$31,440	AFE Number:					
Cum Mud Cost:	#REF!	Cum Tangible Cost:	#REF!	Cum Well Cost:	#REF!	Total Appr:					
Drill Water:	Potable Water:	Fuel:	Bulk Wt:	Cement> Neat:	Blended:						
Profit Center:	Rig:	NABORS 924	Rig Phone:	435-823-4272	Drilling Rep:	JEFF DUNCAN					
Field:	WILDCAT	Lease:	GATE CANYON STATE 31-21-11-	Well #:	15	Date:	30-Jan-04				

INTANGIBLES				Daily	Cum
830.001 Surveying & Permits				0	#REF!
830.006 Rig Mob/Demob				0	#REF!
830.007 Drilling Cost				15,000	15,000
830.009 Fuel/Power				0	0
830.010 Rental Tools and Equipment				1,555	1,555
MUD MOTOR	1,300	FLARE IGNITOR			
XO SUB	20	EPOCH	235		
TELEDRFT					
GAS BUSTER (10 DAYS FREE)3					
POWER CHOKE (10 DAYS FREE)					
830.011 Directional Tools, Surveys, & Services				0	#REF!
830.012 Fishing Tools & Services				0	0
830.013 Bits, Stabilizers				0	0
830.014 Drilling Mud & Chemicals		MI	4,802	0	4,802
830.015 Mud System Equipment Rental		MUD CLEANER		225	225
830.016 Casing Crews & Tools				0	0
830.017 Casing Hardware (Non-Salvageable)				0	#REF!
830.018 Cement & Cement Services				0	#REF!
830.021 Mud Logging		COLUMBINE LOGGING SERVICE		775	775
830.020/830.023 Open Hole Logging and Coring				0	#REF!
830.029 Pipe/Tubing Inspection and Testing				0	#REF!
830.035 Fluids/Cuttings Disposal				0	#REF!
830.036 Transportation - Tugs/Boats/Barges/Air				0	#REF!
830.037 Dock Services / Trucking				0	0
830.038 Communication		RIG PHONE AND INTERCOMS (MOUNTAIN WEST INC.)		20	20
830.019 Contract Labor				0	#REF!
830.039 Wellsite Supervision		NEW TECH ENGINEERING		825	825
830.040 Overhead Expense - Administration (Office) & Eng				0	#REF!
830.041 Insurance				0	#REF!
830.043 Misc & Unforeseen (Includes General Supplies)				0	0
830.005 Water Well or Supply (potable Water)		JIM NEBEKER TRUCKING DRILL WATER		0	0
830.042 Plug & Abandon				0	#REF!
830.044 Rihg Site Housing		MOUNTAIN WEST INC.		3,670	3,670
830.043 Contingency @		10 %		2,687	2,687
830.058 Parish and State Taxes @		7 %		1,881	1,881
TOTAL INTANGIBLE				31,440	#REF!

TANGIBLE

850.010 Caisson				0	#REF!
850.010 Drive Pipe				0	#REF!
850.010 Conductor Casing				0	#REF!
850.020 Surface Casing		9.625 @ \$12.98/FT 3245'		0	#REF!
850.030 Intermediate Casing				0	#REF!
850.060 Drilling Liners				0	#REF!
850.051 Subsurface Equipment & Hardware				0	#REF!
850.050 Wellhead Equipment and Trees				0	0
				0	#REF!
				0	#REF!
				0	#REF!
				0	#REF!
Contingency @				0	#REF!
850.058 Parish and State Taxes @		7 %		0	0
TOTAL TANGIBLE				0	#REF!
Total Daily Field Estimate				31,440	
Days on Location:		32		Total Cumulative Field Estimate #REF!	
Rig:	NABORS 924	Well No.:	1	Prepared By: JEFF DUNCAN	
Field:	WILDCAT	Lease:	CANYON STATE 31-2	AFE No.:	Date THRU: 1/30/2004

Spud Date: 12/31/2003		MD (ft): 9,065'		TVD: 9,065'		Present Activity: DRILG											
Contractor: NABORS			Rig: NABORS 924			Report Number: 32											
Drilling Mud Supplier: MI				Report For Contract Supervisor:													
MUD VOLUME (BBL)																	
Hole: w/ DP		Hole: w/o DP: #####		Pits: 800		Total Circ. Vol.: 800		Storage:		Type: POLY/GEL							
CIRCULATING DATA																	
Bbl/Min: 5.6		Gal/Min: 234		Annual Vel. (Ft./Min)		DP: #####		DC: #####									
Circulation Pressure (PSI): 1,347			Bottoms Up Time (Min): #####			Total Circ. Time (Min.): 143.5											
Current Mud Properties				Mud Property Specifications													
Sample From: SUC		Wt:		Viscosity:		Filtrate:											
Time Sample Taken: 15:00		Mud Contains		Recommended Treatment													
Flowline Temperature (Deg. F): 90																	
Depth (ft): 8,911'		CONFIDENTIAL															
Weight (ppg): 9.20																	
Funnel Vis.(sec./qt.) API 90 Deg. F: 31																	
Plastic Viscosity cp @ 90 Deg. F: 6																	
Yield Point (lb/100 sq. ft.): 3																	
Gel Strength (lb/100 sq. ft.) 10 sec/10 min.: 2/2/5																	
Filtrate API (cc/30 min.): NA																	
HTHP @ Deg. F PSI: NA																	
Cake Thickness (32nd in API/HTHP): 1																	
Solids Content (% by vol.) Retort: 4.6																	
Oil Content (% by vol.) Retort: NA																	
Water Content (% by vol.) Retort: 95.4																	
Sand Content (% by vol.): TRACE																	
Methylene Blue Capacity (lb/bbl. equiv.): NA																	
PH Meter @ 55 Deg. F: 8.0		EQUIPMENT				Cost Data											
Alkalinity Mud (Pm): 0.50		Size		Hrs/Tour													
Alkalinity Filtrate (pf/Mf): .5/6.8		Centrifuge				Daily Cost: \$0											
Carbonate Determination (mg/1000 cc): NA		Degasser															
Chloride (mg/1000 cc): 1,100		Desander															
Calcium (mg/1000 cc) /Mag (mg/1000 cc): 120		Desilter				Cumulative: #REF!											
Bentonite (lb/bbl.): #VALUE!		Shaker															
Solids % High Gravity / % Low Gravity: #VALUE!		Other															
Solids % Drill Solids / % Bentonite: #VALUE!		Other															
Corrected Solids/Corrected Saltwater: #VALUE!		Other															
DAPP (lbs/bbl): 5.6		Other															
Remarks:																	
Drilling Fluids Rep.: TOM RICE				Home Address:		Phone: 435-789-3107											
Mud or Consulting Co.: MI				Warehouse Location: VERNAL		Phone: 435-722-2466											
Mud Chemical Inventory																	
Units	SX	SX	SX	SX	SX	SX	SX	5 GAL	SX	SX	SX	SX	SX	SX	DRUM	DAY	
Cost/Unit	13.37	11.46	9.26	5.52	10.87	16.22	11.60	64.79	162.32	18.48	58.28	3.75	8.08	20.00		461.97	
Description	DAPP	PAPER	DUROGEL	MI BAR	MARBLE WHITE	MAXI SEAL	MICA MEDIUM	POLY PLUS	POLY PAC	SALT DRILL	SAPP	SAWDUST	SODA ASH	SODIUM BICARB	KLA GUARD B	ENGINEERING	
Starting Inventory	139	76	406	520	112	210	110	18	41	39	61	70	96	0	8	0	35
Received																	
Used Last 24 Hours																	
Closing Inventory	139	76	406	520	112	210	110	18	41	39	61	70	96	0	8	0	35
Time Distribution:	Drilling:			Trip:			CCM:			Other:							
Circulating Information: n: K: Type of Flow: ECD:																	
Profit Center:				AFE:				Drilling Rep: JEFF DUNCAN									
Field: WILDCAT				Lease: GATE CANYON STATE 31-				Well No.: 1				Date: 30-Jan-04					

INTANGIBLES				Daily	Cum
830.001 Surveying & Permits				0	0
830.006 Rig Mob/Demob				0	0
830.007 Drilling Cost				15,000	435,000
830.009 Fuel/Power				0	60,778
830.010 Rental Tools and Equipment				1,870	36,715
MUD MOTOR	1,300	FLARE LINE W/IGNITOR	65		
XO SUB	20	EPOCH	235		
TELEDRFT					
GAS BUSTER				125	
POWER CHOKE				125	
830.011 Directional Tools, Surveys, & Services				0	0
830.012 Fishing Tools & Services				0	6,700
830.013 Bits, Stabilizers				0	43,600
830.014 Drilling Mud & Chemicals				MI	5,162
830.015 Mud System Equipment Rental				MUD CLEANER	225
830.016 Casing Crews & Tools				0	9,698
830.017 Casing Hardware (Non-Salvageable)				0	0
830.018 Cement & Cement Services				0	49,969
830.021 Mud Logging				COLUMBINE LOGGING SERVICE	775
830.020/830.023 Open Hole Logging and Coring				0	0
830.029 Pipe/Tubing Inspection and Testing				0	4,066
830.035 Fluids/Cuttings Disposal				0	0
830.036 Transportation - Tugs/Boats/Barges/Air				0	0
830.037 Dock Services / Trucking				0	4,425
830.038 Communication				RIG PHONE AND INTERCOMS (MOUNTAIN WEST INC.)	20
830.019 Contract Labor				0	6,099
830.039 Wellsite Supervision				NEW TECH ENGINEERING	825
830.040 Overhead Expense - Administration (Office) & Eng				0	0
830.041 Insurance				0	0
830.043 Misc & Unforeseen (Includes General Supplies)				LINERS AND SWABS (6.5")	3,934
830.005 Water Well or Supply (potable Water)				JIM NEBEKER TRUCKING DRILL WATER	0
830.042 Plug & Abandon				0	0
830.044 Rihg Site Housing				MOUNTAIN WEST INC.	0
830.043 Contingency @ 10 %				2,781	77,949
830.058 Parish and State Taxes @ 7 %				1,947	54,564
TOTAL INTANGIBLE				32,539	912,002

TANGIBLE

850.010 Caisson				0	0
850.010 Drive Pipe				0	0
850.010 Conductor Casing				0	0
850.020 Surface Casing				9.625 @ \$12.98/FT 3245'	42,120
850.030 Intermediate Casing				0	0
850.060 Drilling Liners				0	0
850.051 Subsurface Equipment & Hardware				0	0
850.050 Wellhead Equipment and Trees				0	630
				0	0
				0	0
				0	0
				0	0
Contingency @				0	0
850.058 Parish and State Taxes @ 7 %				0	2,993
TOTAL TANGIBLE				0	45,743
Total Daily Field Estimate				32,539	
Total Cumulative Field Estimate					957,745
Days on Location: 33		Well No.: 1		Prepared By: JEFF DUNCAN	
Rig: NABORS 924		Lease: CANYON STATE 31-2		Date THRU: 1/31/2004	
Field: WILDCAT		AFE No:			

Spud Date: 12/31/2003		MD (ft): 9,344'		TVD: 9,344'		Present Activity: DRILG											
Contractor: NABORS			Rig: NABORS 924			Report Number: 33											
Drilling Mud Supplier: MI				Report For Contract Supervisor:													
MUD VOLUME (BBL)																	
Hole: w/ DP		Hole: w/o DP: #####		Pits: 800		Total Circ. Vol.: 800		Storage:		Type: POLY/GEL							
CIRCULATING DATA																	
Bbl/Min: 5.6		Gal/Min: 234		Annual Vel. (Ft./Min)		DP: #####		DC: #####									
Circulation Pressure (PSI): 1,347			Bottoms Up Time (Min): #####			Total Circ. Time (Min.): 143.5											
Current Mud Properties				Mud Property Specifications													
Sample From: SUC			Wt:		Viscosity:		Filtrate:										
Time Sample Taken: 16:30			Mud Contains				Recommended Treatment										
Flowline Temperature (Deg. F): 90																	
Depth (ft): 9,201'			CONFIDENTIAL														
Weight (ppg): 9.30																	
Funnel Vis.(sec./qt.) API 90 Deg. F: 34																	
Plastic Viscosity cp @ 90 Deg. F: 6																	
Yield Point (lb/100 sq. ft.): 5																	
Gel Strength (lb/100 sq. ft.) 10 sec/10 min.: 2/2/3																	
Filtrate API (cc/30 min.): 12.4																	
HTHP @ Deg. F PSI:																	
Cake Thickness (32nd in API/HTHP): 1																	
Solids Content (% by vol.) Retort: 4.4																	
Oil Content (% by vol.) Retort:																	
Water Content (% by vol.) Retort: 95.6																	
Sand Content (% by vol.): TR																	
Methylene Blue Capacity (lb/bbl. equiv.):																	
PH Meter @ 55 Deg. F: 8.0			EQUIPMENT				Cost Data										
Alkalinity Mud (Pm): 0.50			Size		Hrs/Tour												
Alkalinity Filtrate (pf/Mf): .5/6.8			Centrifuge				Daily Cost: \$5,162										
Carbonate Determination (mg/1000 cc):			Degasser														
Chloride (mg/1000 cc): 1,100			Desander														
Calcium (mg/1000 cc) /Mag (mg/1000 cc): 120			Desilter														
Bentonite (lb/bbl.): -1.86			Shaker				Cumulative: \$43,574										
Solids % High Gravity / % Low Gravity: 2.8% / 1.6%			Other														
Solids % Drill Solids / % Bentonite: 1.8% / -0.2%			Other														
Corrected Solids/Corrected Saltwater: 4.4% / 95.6%			Other														
DAPP (lbs/bbl): 6.2			Other														
Remarks:																	
Drilling Fluids Rep.: TOM RICE				Home Address:				Phone: 435-789-3107									
Mud or Consulting Co.: MI				Warehouse Location: VERNAL				Phone: 435-722-2466									
Mud Chemical Inventory																	
Units	SX	SX	SX	SX	SX	SX	SX	5 GAL	SX	SX	SX	SX	SX	SX	DRUM	DAY	
Cost/Unit	13.37	11.46	9.26	5.52	10.87	16.22	11.60	64.79	162.32	18.48	58.28	3.75	8.08	20.00		461.97	
Description	DAPP	PAPER	DUROGEL	MI BAR	MARBLE WHITE	MAXI SEAL	MICA MEDIUM	POLY PLUS	POLY PAC	SALT DRILL	SAPP	SAWDUST	SODA ASH	SODIUM BICARB	KLA GUARD B	ENGINEERING	
Starting Inventory	139	76	406	520	112	210	110	18	41	39	61	70	96	0	8	0	35
Received																	
Used Last 24 Hours	35							20	20		1	25					
Closing Inventory	104	76	406	520	112	210	110	-2	21	39	60	45	96	0	8	0	35
Time Distribution:	Drilling:			Trip:			CCM:			Other:							
Circulating Information: n:				K:				Type of Flow:				ECD:					
Profit Center:				AFE:				Drilling Rep:				JEFF DUNCAN					
Field: WILDCAT				Lease: GATE CANYON STATE 31-				Well No.: 1				Date: 31-Jan-04					

Measured Depth: 9,344'	TVD: 9,344'	PBTD:	Proposed MD: 11,760'	Proposed TVD: 11,760'
DOL: 33	DFS: 32	Spud Date: 31-Dec-03	Daily Footage: 0'	Daily Rot Hrs: 0
Torque:	Drag:	Rot Wt:	P/U Weight:	S/O Wt:
Last Casing Size: 9 5/8	Set At: 3,117'	TVD 330'	Shoe Test: 11.88	Leakoff? Y N <input checked="" type="checkbox"/>
Cum Rot Hrs on Casing:	Cum Rot Hrs on Casing Since Last Caliper:	Depth Worst Wear:	% Remaining:	
Liner Size:	Set At: TVD	Liner Top At: MD	TVD	
Mud Co: MI	Type: POLY/GEL	Sample From: SUC	Wt: 9.5	FV: 34
WL API: 11.6	HTHP:	FC(1/32) API/HTHP: 1	Solids: 5.40	% Oil:
Pm: 0.50	Pf/Mf: .5/7.6	Carb:	Cl: 1,100	Ca/Ma: 120
Engr Service	Materials added last 24 hrs:			

THIS RISE SEC-21 API# 43-013-32391

Drig Gas:	Max Gas:	Conn. Gas:	Trip Gas:	Trip Cl:	Remarks:
Bit No. 7	IADC 617	Size 7 7/8"	Manufacturer SEC	Serial Number 10384059	Type XS 48S
8	PDC	7.875"	SEC	10558149	FM3655
Feet 676'	Hours 38.00	WOB 40-45	RPM 135-150	I-Row 4	O-Row 6
DC WT	Loc G	B 2	G 3	Dull Char WT	Reason Pulled PR/HR

Total Length of BHA: 773'	BHA Description: BIT, MUD-MOTOR, FLOAT SUB, TELE DRIFT, 24-6 3/8" DC's
DC Size: 6 3/8"	DP Size: 4 1/2"

Pump	Liner	Stroke	BBL/STK	SPM	Pressure	GPM	Jet Vel	DP AV	DC AV	Bit HHP	BHHP/SQ. IN.	Pump HHP
1	5.5	11	0.081	69	1,347	234	57	#####	#####	4	#VALUE!	184
2	5.5	10	0.074	86	1,347	265	64	#####	#####	5	#VALUE!	209

Survey MD	TVD	Angle	Direction	N/S Coordinate	E/W Coordinate	Vertical Section	DLS
	8914'		2°				

Hrs.	(From -To) hh:mm	Operations Covering 24 Hours Ending at 06:00 Hours
02:30	06:00 - 08:30	DRILLING AHEAD PEN RATE HAS DROPPED OFF AND BIT HAS 62 HRS ON BOTTOM
06:00	08:30 - 14:30	POOH FOR BIT
00:00	14:30 - 14:30	JACKING STACK TO CENTER UP ROTATING HEAD
07:30	14:30 - 22:00	CHANGING OUT LINERS AND SWABS ON PUMP #1, TO 6.5 INCH LINERS
01:30	22:00 - 23:30	MU BIT AND RESET TELEDRIFT TO 1.5 TO 4 DEG
00:30	23:30 - 24:00	TEST PUMP #1 AND FILL HOLE
06:00	00:00 - 06:00	RIH WITH NEW BIT
	-	-
	-	-
	-	-
	-	-
	-	-
	-	-

CONFIDENTIAL

E & S Summary:

Days Since Last: Lost Time Accident: OSHA Rec.: MMS INCs: Spill:

Last BOP Test: 1/22/04 Next BOP Test: RKB - MSL: 14' Water Depth:

24 Hr Forecast: DRILLING AHEAD

Daily Mud Cost: \$1,662 Daily Tangible Cost: Daily Well Cost: \$41,592 AFE Number:

Cum Mud Cost: \$45,236 Cum Tangible Cost: \$45,743 Cum Well Cost: \$999,336 Total Appr:

Field: WILDCAT Lease: GATE CANYON STATE 31-21-11-15 Well #: 1 Date: 1-Feb-04

INTANGIBLES				Daily	Cum
830.001 Surveying & Permits				0	0
830.006 Rig Mob/Demob				0	0
830.007 Drilling Cost				15,000	450,000
830.009 Fuel/Power				9,977	70,754
830.010 Rental Tools and Equipment				1,870	38,585
MUD MOTOR	1,300	FLARE LINE W/IGNITOR	65		
XO SUB	20	EPOCH	235		
TELEDRFT					
GAS BUSTER				125	
POWER CHOKE				125	
830.011 Directional Tools, Surveys, & Services				0	0
830.012 Fishing Tools & Services				0	6,700
830.013 Bits, Stabilizers				0	43,600
830.014 Drilling Mud & Chemicals				MI	1,662
830.015 Mud System Equipment Rental				MUD CLEANER	225
830.016 Casing Crews & Tools				0	9,698
830.017 Casing Hardware (Non-Salvageable)				0	0
830.018 Cement & Cement Services				0	49,969
830.021 Mud Logging				COLUMBINE LOGGING SERVICE	775
830.020/830.023 Open Hole Logging and Coring				0	0
830.029 Pipe/Tubing Inspection and Testing				0	4,066
830.035 Fluids/Cuttings Disposal				0	0
830.036 Transportation - Tugs/Boats/Barges/Air				0	0
830.037 Dock Services / Trucking				TRUCKING ON GAS BUSTER BACK TO SWACO CASPER	1,260
830.038 Communication				RIG PHONE AND INTERCOMS (MOUNTAIN WEST INC.)	20
830.019 Contract Labor				0	6,099
830.039 Wellsite Supervision				NEW TECH ENGINEERING	825
830.040 Overhead Expense - Administration (Office) & Eng				0	0
830.041 Insurance				0	0
830.043 Misc & Unforeseen (Includes General Supplies)				LINERS AND SWABS (6.5")	3,934
830.005 Water Well or Supply (potable Water)				JIM NEBEKER TRUCKING DRILL WATER	0
830.042 Plug & Abandon				0	0
830.044 Rihg Site Housing				MOUNTAIN WEST INC.	0
830.043 Contingency @ 10 %				3,555	81,504
830.058 Parish and State Taxes @ 7 %				2,488	57,053
TOTAL INTANGIBLE				41,592	953,594

TANGIBLE

850.010 Caisson				0	0
850.010 Drive Pipe				0	0
850.010 Conductor Casing				0	0
850.020 Surface Casing				9.625 @ \$12.98/FT 3245'	42,120
850.030 Intermediate Casing				0	0
850.060 Drilling Liners				0	0
850.051 Subsurface Equipment & Hardware				0	0
850.050 Wellhead Equipment and Trees				0	630
				0	0
				0	0
				0	0
				0	0
Contingency @				0	0
850.058 Parish and State Taxes @ 7 %				0	2,993
TOTAL TANGIBLE				0	45,743
Total Daily Field Estimate				41,592	
Days on Location: 33				Total Cumulative Field Estimate 999,336	
Rig:	NABORS 924	Well No.:	1	Prepared By:	JEFF DUNCAN
Field:	WILDCAT	Lease:	CANYON STATE 31-2	AFE No:	Date THRU: 2/1/2004

Spud Date: 12/31/2003		MD (ft): 9,344'		TVD: 9,344'		Present Activity: DRILG											
Contractor: NABORS			Rig: NABORS 924			Report Number: 33											
Drilling Mud Supplier: MI				Report For Contract Supervisor:													
MUD VOLUME (BBL)																	
Hole: w/ DP		Hole: w/o DP: #####		Pits: 800		Total Circ. Vol.: 800		Storage:		Type: POLY/GEL							
CIRCULATING DATA																	
Bbl/Min: 5.6		Gal/Min: 234		Annual Vel. (Ft./Min)		DP: #####		DC: #####									
Circulation Pressure (PSI): 1,347			Bottoms Up Time (Min): #####			Total Circ. Time (Min.): 143.5											
Current Mud Properties				Mud Property Specifications													
Sample From: SUC			Wt:		Viscosity:		Filtrate:										
Time Sample Taken: 16:30			Mud Contains		Recommended Treatment												
Flowline Temperature (Deg. F): 85																	
Depth (ft): 9,381'			CONFIDENTIAL														
Weight (ppg): 9.50																	
Funnel Vis.(sec./qt.) API 90 Deg. F: 34																	
Plastic Viscosity cp @ 90 Deg. F: 8																	
Yield Point (lb/100 sq. ft.): 6																	
Gel Strength (lb/100 sq. ft.) 10 sec/10 min.: 2/3/6																	
Filtrate API (cc/30 min.): 11.6																	
HTHP @ Deg. F PSI:																	
Cake Thickness (32nd in API/HTHP): 1																	
Solids Content (% by vol.) Retort: 5.4																	
Oil Content (% by vol.) Retort:																	
Water Content (% by vol.) Retort: 94.6																	
Sand Content (% by vol.): 0.25																	
Methylene Blue Capacity (lb/bbl. equiv.):																	
PH Meter @ 55 Deg. F: 8.0			EQUIPMENT				Cost Data										
Alkalinity Mud (Pm): 0.50			Size		Hrs/Tour												
Alkalinity Filtrate (pf/Mf): .5/7.6			Centrifuge				Daily Cost: \$1,662										
Carbonate Determination (mg/1000 cc):			Degasser														
Chloride (mg/1000 cc): 1,100			Desander														
Calcium (mg/1000 cc) /Mag (mg/1000 cc): 120			Desilter				Cumulative: \$45,236										
Bentonite (lb/bbl.): -2.43			Shaker														
Solids % High Gravity / % Low Gravity: 3.3% / 2.1%			Other														
Solids % Drill Solids / % Bentonite: 2.4% / -0.3%			Other														
Corrected Solids/Corrected Saltwater: 5.4% / 94.6%			Other														
DAPP (lbs/bbl): 6.2			Other														
Remarks:																	
Drilling Fluids Rep.: TOM RICE			Home Address:			Phone: 435-789-3107											
Mud or Consulting Co.: MI			Warehouse Location: VERNAL			Phone: 435-722-2466											
Mud Chemical Inventory																	
Units	SX	SX	SX	SX	SX	SX	SX	5 GAL	SX	SX	SX	SX	SX	SX	DRUM	DAY	
Cost/Unit	13.37	11.46	9.26	5.52	10.87	16.22	11.60	64.79	162.32	18.48	58.28	3.75	8.08	20.00		461.97	
Description	DAPP	PAPER	DUROGEL	MI BAR	MARBLE WHITE	MAXI SEAL	MICA MEDIUM	POLY PLUS	POLY PAC	SALT DRILL	SAPP	SAWDUST	SODA ASH	SODIUM BICARB	KLA GUARD B	ENGINEERING	
Starting Inventory	104	76	406	520	112	210	110	-2	21	39	60	45	96	0	8	0	35
Received																	
Used Last 24 Hours	21							7	5		2						
Closing Inventory	83	76	406	520	112	210	110	-9	16	39	58	45	96	0	8	0	35
Time Distribution:	Drilling:			Trip:			CCM:			Other:							
Circulating Information: n: K: Type of Flow: ECD:																	
Profit Center:			AFE:			Drilling Rep: JEFF DUNCAN											
Field: WILDCAT			Lease: GATE CANYON STATE 31-			Well No.: 1			Date: 1-Feb-04								

Measured Depth: 9,564'	TVD: 9,564'	PBTD:	Proposed MD: 11,760'	Proposed TVD: 11,760'
DOL: 36	DFS: 35	Spud Date: 31-Dec-03	Daily Footage: 49'	Daily Rot Hrs: 4
Torque:	Drag: 5K	Rot Wt: 225K	P/U Weight: 230K	S/O Wt: 220K
Wind: 0	Seas: W	Bar: 29.85	POB:	
Last Casing Size: 9 5/8	Set At: 3,117'	TVD	Shoe Test: 11.88	Leakoff? Y N <input checked="" type="checkbox"/>
Cum Rot Hrs on Casing:	Cum Rot Hrs on Casing Since Last Caliper:	Depth Worst Wear:	% Remaining:	
Liner Size:	Set At: TVD	Liner Top At: MD	TVD	
Mud Co: MI	Type: POLY/GEL	Sample From: SUC	Wt: 9.5	FV: 32
PV: 6	YP: 5	Gel: 2/2.5		
WL API: 12.0	HTHP:	FC(1/32) API/HTHP: 1	Solids: 4.60	% Oil:
% Water: 95.4	% Sand: 0.25	MBT:	pH: 8.0	
Pm: 0.50	Pf/Mf: .5/7.3	Carb:	Cl: 1,100	Ca/Ma: 120
Bent: -0.61	Solids % HG/LG: 4.1% / 0.5%	% DS/Bent: 0.6% / -0.1%		
Engr Service	Materials added last 24 hrs:			

T ILS R 15E SEC-21 API# 43-013-32391

Drig Gas:	Max Gas:	Conn. Gas:	Trip Gas:	Trip Cl:	Remarks:
Bit No.	IADC	Size	Manufacturer	Serial Number	Type
9	657	7 7/8"	SEC	0519866	XS55
Jets		TFA	MD In	MD Out	TVD Out
24 24 24 0		1.3254	9,515'		
Feet	Hours	WOB	RPM	I-Row	O-Row
49'	38.00	40-45	135-150	4	6
DC		Loc	B	G	Dull Char
WT		G	2	3	WT
Reason Pulled		Cost/Ft			
PR/HR					

Total Length of BHA: 773' BHA Description: BIT, MUD-MOTOR, FLOAT SUB, TELE DRIFT, 24-6 3/8" DC's

DC Size:	6 3/8"	DP Size:	4 1/2"
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Pump	Liner	Stroke	BBL/STK	SPM	Pressure	GPM	Jet Vel	DP AV	DC AV	Bit HHP	BHHP/SQ. IN.	Pump HHP
1	5.5	11	0.081	69	1,347	234	57	#####	#####	4	#VALUE!	184
2	5.5	10	0.074	86	1,347	265	64	#####	#####	5	#VALUE!	209

Survey MD	TVD	Angle	Direction	N/S Coordinate	E/W Coordinate	Vertical Section	DLS
	8914'		2°				
	9491						

Hrs.	(From -To) hh:mm	Operations Covering 24 Hours Ending at 06:00 Hours
01:00	06:00 - 07:00	DRILLING AHEAD TO 9515' MD, POSSIBLE MOTOR FAILURE
00:30	07:00 - 07:30	PUMP SLUG AND BLOW OUT PANIC LINE THROUGH CHOKE
05:30	07:30 - 13:00	POOH
01:00	13:00 - 14:00	DRESS UP NEW BHA, WASHOUT IN FLOAT AND FLOAT SUB
04:00	14:00 - 18:00	THAW OUT GB DRAIN, SERVICE RIG, WHILE WAITNG ON NEW SUB AND FLOAT
01:30	18:00 - 19:30	MU NEW BHA PREP TO RIH
04:30	19:30 - 2400	RIH
01:00	00:00 - 01:00	RIH
01:00	01:00 - 02:00	WASH DOWNLAST STAND
04:00	02:00 - 06:00	DRILL AHEAD TO 9564 AVG ROP 12.25 FT/HR
	-	-
	-	-
	-	-

CONFIDENTIAL

E & S Summary: DRILL AHEAD TO TOP OF CASTLEGATE

Days Since Last: Lost Time Accident: OSHA Rec.: MMS INCs: Spill:

Last BOP Test: 1/22/04 Next BOP Test: RKB - MSL: 14' Water Depth:

24 Hr Forecast: DRILLING

Drill Tech: Accidents:

Daily Mud Cost: \$4,037 Daily Tangible Cost: Daily Well Cost: \$50,897 AFE Number:

Cum Mud Cost: \$50,848 Cum Tangible Cost: \$45,743 Cum Well Cost: \$1,073,973 Total Appr:

Drill Water: Potable Water: Fuel: Bulk Wt: Cement> Neat: Blended:

Profit Center: Rig: NABORS 924 Rig Phone: 435-823-4272 Drilling Rep: JEFF DUNCAN

Field: WILDCAT Lease: GATE CANYON STATE 31-21-11-15 Well #: 1 Date: 3-Feb-04

INTANGIBLES				Daily	Cum
830.001 Surveying & Permits				0	0
830.006 Rig Mob/Demob				0	0
830.007 Drilling Cost				15,000	480,000
830.009 Fuel/Power				0	70,754
830.010 Rental Tools and Equipment				1,870	42,325
MUD MOTOR	1,300	FLARE LINE W/IGNITOR	65		
XO SUB	20	EPOCH	235		
TELEDRFT					
GAS BUSTER				125	
POWER CHOKE				125	
830.011 Directional Tools, Surveys, & Services				0	0
830.012 Fishing Tools & Services				0	6,700
830.013 Bits, Stabilizers				20,000	63,600
830.014 Drilling Mud & Chemicals				MI	4,037
830.015 Mud System Equipment Rental				MUD CLEANER	225
830.016 Casing Crews & Tools				0	9,698
830.017 Casing Hardware (Non-Salvageable)				0	0
830.018 Cement & Cement Services				0	49,969
830.021 Mud Logging				COLUMBINE LOGGING SERVICE	775
830.020/830.023 Open Hole Logging and Coring				0	0
830.029 Pipe/Tubing Inspection and Testing				0	4,066
830.035 Fluids/Cuttings Disposal				0	0
830.036 Transportation - Tugs/Boats/Barges/Air				0	0
830.037 Dock Services / Trucking				HOTSHOT	750
830.038 Communication				RIG PHONE AND INTERCOMS (MOUNTAIN WEST INC.)	20
830.019 Contract Labor				0	6,099
830.039 Wellsite Supervision				NEW TECH ENGINEERING	825
830.040 Overhead Expense - Administration (Office) & Eng				0	0
830.041 Insurance				0	0
830.043 Misc & Unforeseen (Includes General Supplies)				LINERS AND SWABS (6.5")	0
830.005 Water Well or Supply (potable Water)				JIM NEBEKER TRUCKING DRILL WATER	0
830.042 Plug & Abandon				0	0
830.044 Rihg Site Housing				MOUNTAIN WEST INC.	0
830.043 Contingency @ 10 %				4,350	87,883
830.058 Parish and State Taxes @ 7 %				3,045	61,518
TOTAL INTANGIBLE				50,897	1,028,231

TANGIBLE

850.010 Caisson				0	0
850.010 Drive Pipe				0	0
850.010 Conductor Casing				0	0
850.020 Surface Casing				9.625 @ \$12.98/FT	3245'
850.030 Intermediate Casing				0	0
850.060 Drilling Liners				0	0
850.051 Subsurface Equipment & Hardware				0	0
850.050 Wellhead Equipment and Trees				0	630
				0	0
				0	0
				0	0
				0	0
Contingency @				0	0
850.058 Parish and State Taxes @ 7 %				0	2,993
TOTAL TANGIBLE				0	45,743
Total Daily Field Estimate				50,897	
Days on Location: 36				Total Cumulative Field Estimate 1,073,973	
Rig:	NABORS 924	Well No.:	1	Prepared By:	JEFF DUNCAN
Field:	WILDCAT	Lease:	CANYON STATE 31-2	AFE No.:	Date THRU: 2/3/2004

Spud Date: 12/31/2003		MD (ft): 9,564'		TVD: 9,564'		Present Activity: DRILG											
Contractor: NABORS			Rig: NABORS 924			Report Number: 36											
Drilling Mud Supplier: MI				Report For Contract Supervisor:													
MUD VOLUME (BBL)																	
Hole: w/ DP		Hole: w/o DP: #####		Pits: 800		Total Circ. Vol.: 800		Storage:		Type: POLY/GEL							
CIRCULATING DATA																	
Bbl/Min: 5.6		Gal/Min: 234		Annual Vel. (Ft./Min)		DP: #####		DC: #####									
Circulation Pressure (PSI): 1,347			Bottoms Up Time (Min): #####			Total Circ. Time (Min.): 143.5											
Current Mud Properties				Mud Property Specifications													
Sample From: SUC				Wt:		Viscosity:		Filtrate:									
Time Sample Taken: 14:00				Mud Contains		Recommended Treatment											
Flowline Temperature (Deg. F): 80																	
Depth (ft): 9,515'				CONFIDENTIAL													
Weight (ppg): 9.50																	
Funnel Vis.(sec./qt.) API: 90 Deg. F		32															
Plastic Viscosity cp @: 90 Deg. F		6															
Yield Point (lb/100 sq. ft.): 5																	
Gel Strength (lb/100 sq. ft.) 10 sec/10 min.: 2/2/5																	
Filtrate API (cc/30 min.): 12.0																	
HTHP @: Deg. F PSI																	
Cake Thickness (32nd in API/HTHP): 1																	
Solids Content (% by vol.) Retort: 4.6																	
Oil Content (% by vol.) Retort:																	
Water Content (% by vol.) Retort: 95.4																	
Sand Content (% by vol.): 0.25																	
Methylene Blue Capacity (lb/bbl. equiv.):																	
PH Meter @: 55 Deg. F		8.0		EQUIPMENT				Cost Data									
Alkalinity Mud (Pm): 0.50				Size		Hrs/Tour											
Alkalinity Filtrate (pf/Mf): .5/7.3				Centrifuge				Daily Cost: \$4,037									
Carbonate Determination (mg/1000 cc):				Degasser													
Chloride (mg/1000 cc): 1,100				Desander													
Calcium (mg/1000 cc) /Mag (mg/1000 cc): 120				Desilter				Cumulative: \$50,848									
Bentonite (lb/bbl.): -0.61				Shaker													
Solids % High Gravity / % Low Gravity: 4.1% / 0.5%				Other													
Solids % Drill Solids / % Bentonite: 0.6% / -0.1%				Other													
Corrected Solids/Corrected Saltwater: 4.6% / 95.4%				Other													
DAPP (lbs/bbl): 6.1				Other													
Remarks:																	
Drilling Fluids Rep.: TOM RICE				Home Address:				Phone: 435-789-3107									
Mud or Consulting Co.: MI				Warehouse Location: VERNAL				Phone: 435-722-2466									
Mud Chemical Inventory																	
Units	SX	SX	SX	SX	SX	SX	SX	5 GAL	SX	SX	SX	SX	SX	SX	DRUM		DAY
Cost/Unit	13.37	11.46	9.26	5.52	10.87	16.22	11.60	64.79	162.32	18.48	58.28	3.75	8.08	20.00			461.97
Description	DAPP	PAPER	DUROGEL	MI BAR	MARBLE WHITE	MAXI SEAL	MICA MEDIUM	POLY PLUS	POLY PAC	SALT DRILL	SAPP	SAWDUST	SODA ASH	SODIUM BICARB	KLA GUARD B		ENGINEERING
Starting Inventory	75	74	406	480	112	210	110	-14	12	39	54	40	96	0	6	0	35
Received	200			320				128	105								
Used Last 24 Hours	35			80				12	14		1	5			2		
Closing Inventory	240	74	406	720	112	210	110	102	103	39	53	35	96	0	4	0	35
Time Distribution:	Drilling:			Trip:			CCM:			Other:							
Circulating Information: n:		K:		Type of Flow:				ECD:									
Profit Center:				AFE:				Drilling Rep: JEFF DUNCAN									
Field: WILDCAT		Lease: GATE CANYON STATE 31-			Well No.: 1		Date: 3-Feb-04										

INTANGIBLES				Daily	Cum
830.001 Surveying & Permits				0	0
830.006 Rig Mob/Demob				0	0
830.007 Drilling Cost				15,000	495,000
830.009 Fuel/Power				0	70,754
830.010 Rental Tools and Equipment				1,570	43,895
MUD MOTOR	1,000	FLARE LINE W/IGNITOR	65		
XO SUB	20	EPOCH	235		
TELEDRFT					
GAS BUSTER				125	
POWER CHOKE				125	
830.011 Directional Tools, Surveys, & Services				0	0
830.012 Fishing Tools & Services				0	6,700
830.013 Bits, Stabilizers				0	63,600
830.014 Drilling Mud & Chemicals				2,132	52,981
830.015 Mud System Equipment Rental				225	3,780
830.016 Casing Crews & Tools				0	9,698
830.017 Casing Hardware (Non-Salvageable)				0	0
830.018 Cement & Cement Services				0	49,969
830.021 Mud Logging				775	18,600
830.020/830.023 Open Hole Logging and Coring				0	0
830.029 Pipe/Tubing Inspection and Testing				0	4,066
830.035 Fluids/Cuttings Disposal				0	0
830.036 Transportation - Tugs/Boats/Barges/Air				0	0
830.037 Dock Services / Trucking				750	7,185
830.038 Communication				20	540
830.019 Contract Labor				3,537	9,636
830.039 Wellsite Supervision				825	24,750
830.040 Overhead Expense - Administration (Office) & Eng				0	0
830.041 Insurance				0	0
830.043 Misc & Unforeseen (Includes General Supplies)				0	19,615
830.005 Water Well or Supply (potable Water)				3,783	19,779
830.042 Plug & Abandon				0	0
830.044 Rihg Site Housing				0	6,900
830.043 Contingency @ 10 %				2,862	90,745
830.058 Parish and State Taxes @ 7 %				2,003	63,521
TOTAL INTANGIBLE				33,482	1,061,713

TANGIBLE

850.010 Caisson				0	0
850.010 Drive Pipe				0	0
850.010 Conductor Casing				0	0
850.020 Surface Casing				9.625 @ \$12.98/FT	42,120
850.030 Intermediate Casing				0	0
850.060 Drilling Liners				0	0
850.051 Subsurface Equipment & Hardware				0	0
850.050 Wellhead Equipment and Trees				0	630
				0	0
				0	0
				0	0
				0	0
Contingency @				0	0
850.058 Parish and State Taxes @ 7 %				0	2,993
TOTAL TANGIBLE				0	45,743
Total Daily Field Estimate				33,482	
Days on Location: 37				Total Cumulative Field Estimate	
				1,107,455	
Rig:	NABORS 924	Well No.:	1	Prepared By:	JEFF DUNCAN
Field:	WILDCAT	Lease:	CANYON STATE 31-2	AFE No.:	Date THRU: 2/4/2004

Spud Date: 12/31/2003		MD (ft): 9,664'		TVD: 9,564'		Present Activity: DRILG											
Contractor: NABORS			Rig: NABORS 924			Report Number: 37											
Drilling Mud Supplier: MI					Report For Contract Supervisor:												
MUD VOLUME (BBL)																	
Hole: w/ DP		Hole: w/o DP		Pits: 800		Total Circ. Vol.: 800		Storage:		Type: POLY/GEL							
CIRCULATING DATA																	
Bbl/Min: 8.9		Gal/Min: 373		Annual Vel. (Ft./Min)		DP: #####		DC: #####									
Circulation Pressure (PSI): 1,200			Bottoms Up Time (Min): #####			Total Circ. Time (Min.): 90.2											
Current Mud Properties					Mud Property Specifications												
Sample From: SUC			Wt:		Viscosity:		Filtrate:										
Time Sample Taken: 13:30			Mud Contains		Recommended Treatment												
Flowline Temperature (Deg. F): 90																	
Depth (ft): 9,612'			CONFIDENTIAL														
Weight (ppg): 9.30																	
Funnel Vis.(sec./qt.) API 90 Deg. F: 36																	
Plastic Viscosity cp @ 90 Deg. F: 10																	
Yield Point (lb/100 sq. ft.): 7																	
Gel Strength (lb/100 sq. ft.) 10 sec/10 min.: 3/6/9																	
Filtrate API (cc/30 min.): 10.8																	
HTHP @ Deg. F PSI																	
Cake Thickness (32nd in API/HTHP): 1																	
Solids Content (% by vol.) Retort: 4.8																	
Oil Content (% by vol.) Retort																	
Water Content (% by vol.) Retort: 95.6																	
Sand Content (% by vol.): TR																	
Methylene Blue Capacity (lb/bbl. equiv.)																	
PH Meter @ 55 Deg. F: 8.0			EQUIPMENT				Cost Data										
Alkalinity Mud (Pm): 0.40			Size		Hrs/Tour												
Alkalinity Filtrate (pf/Mf): .4/7.1			Centrifuge				Daily Cost: \$2,132										
Carbonate Determination (mg/1000 cc)			Degasser														
Chloride (mg/1000 cc): 1,100			Desander				Cumulative: \$52,981										
Calcium (mg/1000 cc) /Mag (mg/1000 cc): 120			Desilter														
Bentonite (lb/bbl.): -1.86			Shaker														
Solids % High Gravity / % Low Gravity: 2.8% / 1.6%			Other														
Solids % Drill Solids / % Bentonite: 1.8% / -0.2%			Other														
Corrected Solids/Corrected Saltwater: 4.4% / 95.6%			Other														
DAPP (lbs/bbl): 6.3			Other														
Remarks:																	
Drilling Fluids Rep.: TOM RICE					Home Address:			Phone: 435-789-3107									
Mud or Consulting Co.: MI					Warehouse Location: VERNAL			Phone: 435-722-2466									
Mud Chemical Inventory																	
Units	SX	SX	SX	SX	SX	SX	SX	5 GAL	SX	SX	SX	SX	SX	SX	DRUM	DAY	
Cost/Unit	13.37	11.46	9.26	5.52	10.87	16.22	11.60	64.79	162.32	18.48	58.28	3.75	8.08	20.00		461.97	
Description	DAPP	PAPER	DUROGEL	MI BAR	MARBLE WHITE	MAXI SEAL	MICA MEDIUM	POLY PLUS	POLY PAC	SALT DRILL	SAPP	SAWDUST	SODA ASH	SODIUM BICARB	KLA GUARD B	ENGINEERING	
Starting Inventory	240	74	406	720	112	210	110	102	103	39	53	35	96	0	4	0	35
Received																	
Used Last 24 Hours	12	2			10		16	8	7								
Closing Inventory	228	72	406	720	102	210	94	94	96	39	53	35	96	0	4	0	35
Time Distribution:	Drilling:			Trip:			CCM:			Other:							
Circulating Information:		n:		K:		Type of Flow:			ECD:								
Profit Center:					AFE:			Drilling Rep: JEFF DUNCAN									
Field: WILDCAT			Lease: GATE CANYON STATE 31-			Well No.: 1			Date: 4-Feb-04								

Measured Depth: 3,667'		TVD: 3,667'		PBTD:		Proposed MD: 11,760'		Proposed TVD: 11,760'	
DOL: 38	DFS: 37	Spud Date: 31-Dec-03		Daily Footage: 0'		Daily Rot Hrs: 0		Total Rot Hrs: 0	
Torque:	Drag:	Rot Wt:	P/U Weight:	S/O Wt.	Wind: 0	Seas: W	Bar: 29.85	POB:	
Last Casing Size: 9 5/8		Set At: 3,117'		TVD 330'		Shoe Test: 11.88		Leakoff? Y N <input checked="" type="checkbox"/>	
Cum Rot Hrs on Casing:		Cum Rot Hrs on Casing Since Last Caliper:		Depth Worst Wear:		% Remaining:			
Liner Size:		Set At: TVD		Liner Top At: MD		TVD			
Mud Co: MI	Type: POLY/GEL		Sample From: SUC		Wt: 9.3	FV: 33	PV: 8	YP: 6	Gel: 2/3/7
WL API: 22.0	HTHP:	FC(1/32) API/HTHP: 1		Solids: 5.00	% Oil:	% Water: 95.0	% Sand: TR	MBT:	pH: 8.0
Pm: 0.50	Pf/Mf: 5/7	Carb:	Cl: 1,000	Ca/Ma: 120	Bent: -3.22	Solids % HG/LG: 2.2% / 2.8%		% DS/Bent: 3.2% / -0.4%	
Engr Service		Materials added last 24 hrs:							

TIH RISE SEC-21 API# 43-013-32391

Drig Gas:		Max Gas:		Conn. Gas:		Trip Gas:		Trip Cl:		Remarks:		
Bit No.	IADC	Size	Manufacturer	Serial Number	Type	Jets		TFA	MD In	MD Out	TVD Out	
9	657	7 7/8"	SEC	0519866	XS55	24	24	24	0	1.3254	9,515'	9,667'
						0	0	0	0			
Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Dull Char	Reason Pulled	Cost/Ft
152'	38.00	40-45	135-150	4	6	WT	G	2	3	WT	PR/HR	
		16-18	60-110									

Total Length of BHA: 773' BHA Description: BIT, MUD-MOTOR, FLOAT SUB, TELE DRIFT, 24-6 3/8" DC's

										DC Size: 6 3/8"	DP Size: 4 1/2"	
Pump	Liner	Stroke	BBL/STK	SPM	Pressure	GPM	Jet Vel	DP AV	DC AV	Bit HHP	BHHP/SQ. IN.	Pump HHP
1	6.5	11	0.102	87	1,200	373	90	#####	#####	15	#VALUE!	261
2	5.5	10	0.074	86	1,347	265	64	#####	#####	7	#VALUE!	209

Survey MD	TVD	Angle	Direction	N/S Coordinate	E/W Coordinate	Vertical Section	DLS
	8914'	2°					
	9491	1.5°					

Hrs.	(From -To) hh:mm	Operations Covering 24 Hours Ending at 06:00 Hours									
01:00	06:00 - 7:00	DRILLING AHEAD , ROP HAS DROPPED TO < 1 FT/HR									
08:00	07:00 - 15:00	PUMP SLUG AND POOH									
02:00	15:00 - 17:00	LD 2 XO SUBS CHANGE OUT BIT DRESS UP NEW BHA									
03:00	17:00 - 20:00	TIH TO SHOE									
04:00	20:00 - 24:00	CUT AND SLIP DRILL LINE									
02:30	00:00 - 02:30	CUT AND SLIP DRILL LINE									
		(NOTE 6 1/2 HOURS TO CUT AND SLIP DRILL LINE)									
03:00	02:30 - 05:30	TIH TO 9625' MD									
00:30	05:30 - 06:00	WASH AND REAM TO BOTTOM									

CONFIDENTIAL

E & S Summary:

Days Since Last: Lost Time Accident: OSHA Rec.: MMS INCs: Spill:

Last BOP Test: 1/22/04 Next BOP Test: RKB - MSL: 14' Water Depth:

24 Hr Forecast: DRILLING

Drill Tech: Accidents:

Daily Mud Cost: \$2,726	Daily Tangible Cost:	Daily Well Cost: \$24,735	AFE Number:
Cum Mud Cost: \$55,707	Cum Tangible Cost: \$45,743	Cum Well Cost: \$1,132,190	Total Appr:

Drill Water: Potable Water: Fuel: Bulk Wt: Cement> Neat: Blended:

Profit Center: Rig: NABORS 924 Rig Phone: 435-823-4272 Drilling Rep: JEFF DUNCAN

Field: WILDCAT Lease: GATE CANYON STATE 31-21-11- Well #: 1 Date: 5-Feb-04

INTANGIBLES				Daily	Cum
830.001 Surveying & Permits				0	0
830.006 Rig Mob/Demob				0	0
830.007 Drilling Cost				15,000	510,000
830.009 Fuel/Power				0	70,754
830.010 Rental Tools and Equipment				1,570	45,465
MUD MOTOR	1,000	FLARE LINE W/IGNITOR	65		
XO SUB	20	EPOCH	235		
TELEDRFT					
GAS BUSTER	125				
POWER CHOKE	125				
830.011 Directional Tools, Surveys, & Services				0	0
830.012 Fishing Tools & Services				0	6,700
830.013 Bits, Stabilizers				0	63,600
830.014 Drilling Mud & Chemicals				2,726	55,707
830.015 Mud System Equipment Rental				225	4,005
830.016 Casing Crews & Tools				0	9,698
830.017 Casing Hardware (Non-Salvageable)				0	0
830.018 Cement & Cement Services				0	49,969
830.021 Mud Logging				775	19,375
830.020/830.023 Open Hole Logging and Coring				0	0
830.029 Pipe/Tubing Inspection and Testing				0	4,066
830.035 Fluids/Cuttings Disposal				0	0
830.036 Transportation - Tugs/Boats/Barges/Air				0	0
830.037 Dock Services / Trucking				0	7,185
830.038 Communication				20	560
830.019 Contract Labor				0	9,636
830.039 Wellsite Supervision				825	25,575
830.040 Overhead Expense - Administration (Office) & Eng				0	0
830.041 Insurance				0	0
830.043 Misc & Unforeseen (Includes General Supplies)				0	19,615
830.005 Water Well or Supply (potable Water)				0	19,779
830.042 Plug & Abandon				0	0
830.044 Rihg Site Housing				0	6,900
830.043 Contingency @ 10 %				2,114	92,859
830.058 Parish and State Taxes @ 7 %				1,480	65,001
TOTAL INTANGIBLE				24,735	1,086,448

TANGIBLE				Daily	Cum
850.010 Caisson				0	0
850.010 Drive Pipe				0	0
850.010 Conductor Casing				0	0
850.020 Surface Casing				0	42,120
850.030 Intermediate Casing				0	0
850.060 Drilling Liners				0	0
850.051 Subsurface Equipment & Hardware				0	0
850.050 Wellhead Equipment and Trees				0	630
				0	0
				0	0
				0	0
				0	0
Contingency @				0	0
850.058 Parish and State Taxes @ 7 %				0	2,993
TOTAL TANGIBLE				0	45,743
Total Daily Field Estimate				24,735	
Total Cumulative Field Estimate					1,132,190
Days on Location: 38		Well No.: 1		Prepared By: JEFF DUNCAN	
Field: WILDCAT	Lease: CANYON STATE 31-2	AFE No:	Date THRU:	2/5/2004	

Spud Date: 12/31/2003		MD (ft): 3,667'		TVD: 3,667'		Present Activity: DRILG											
Contractor: NABORS			Rig: NABORS 924			Report Number: 38											
Drilling Mud Supplier: MI				Report For Contract Supervisor:													
MUD VOLUME (BBL)																	
Hole: w/ DP		Hole: w/o DP: #####		Pits: 800		Total Circ. Vol.: 800		Storage:		Type: POLY/GEL							
CIRCULATING DATA																	
Bbl/Min: 8.9		Gal/Min: 373		Annual Vel. (Ft./Min)		DP: #####		DC: #####									
Circulation Pressure (PSI): 1,200			Bottoms Up Time (Min): #####			Total Circ. Time (Min.): 90.2											
Current Mud Properties				Mud Property Specifications													
Sample From		SUC		Wt:		Viscosity:		Filtrate:									
Time Sample Taken		15:00		Mud Contains		Recommended Treatment											
Flowline Temperature (Deg. F)		80															
Depth (ft)		9,667'		CONFIDENTIAL													
Weight (ppg)		9.30															
Funnel Vis.(sec./qt.) API 90 Deg. F		33															
Plastic Viscosity cp @ 90 Deg. F		8															
Yield Point (lb/100 sq. ft.)		6															
Gel Strength (lb/100 sq. ft.) 10 sec/10 min.		2/3/7															
Filtrate API (cc/30 min.)		22.0															
HTHP @ Deg. F PSI																	
Cake Thickness (32nd in API/HTHP)		1															
Solids Content (% by vol.) Retort		5.0															
Oil Content (% by vol.) Retort																	
Water Content (% by vol.) Retort		95.0															
Sand Content (% by vol.)		TR															
Methylene Blue Capacity (lb/bbl. equiv.)																	
PH Meter @ 55 Deg. F		8.0		EQUIPMENT				Cost Data									
Alkalinity Mud (Pm)		0.50		Size		Hrs/Tour											
Alkalinity Filtrate (pf/Mf)		.5/7		Centrifuge				Daily Cost: \$2,726									
Carbonate Determination (mg/1000 cc)				Degasser													
Chloride (mg/1000 cc)		1,000		Desander													
Calcium (mg/1000 cc) /Mag (mg/1000 cc)		120		Desilter													
Bentonite (lb/bbl.)		-3.22		Shaker				Cumulative: \$55,707									
Solids % High Gravity / % Low Gravity		2.2% / 2.8%		Other													
Solids % Drill Solids / % Bentonite		3.2% / -0.4%		Other													
Corrected Solids/Corrected Saltwater		5.0% / 95.0%		Other													
DAPP (lbs/bbl)		6		Other													
Remarks:																	
Drilling Fluids Rep.: TOM RICE				Home Address:				Phone: 435-789-3107									
Mud or Consulting Co.: MI				Warehouse Location: VERNAL				Phone: 435-722-2466									
Mud Chemical Inventory																	
Units	SX	SX	SX	SX	SX	SX	SX	5 GAL	SX	SX	SX	SX	SX	SX	DRUM	DAY	
Cost/Unit	13.37	11.46	9.26	5.52	10.87	16.22	11.60	64.79	162.32	18.48	58.28	3.75	8.08	20.00		461.97	
Description	DAPP	PAPER	DUROGEL	MIBAR	MARBLE WHITE	MAXI SEAL	MICA MEDIUM	POLY PLUS	POLY PAC	SALT DRILL	SAPP	SAWDUST	SODA ASH	SODIUM BICARB	KLA GUARD B	ENGINEERING	
Starting Inventory	228	72	406	720	102	210	94	94	96	39	53	35	96	0	4	0	35
Received																	
Used Last 24 Hours							4	12	11		2						
Closing Inventory	228	72	406	720	102	210	90	82	85	39	51	35	96	0	4	0	35
Time Distribution:	Drilling:			Trip:			CCM:			Other:							
Circulating Information:		n:		K:		Type of Flow:				ECD:							
Profit Center:				AFE:				Drilling Rep: JEFF DUNCAN									
Field: WILDCAT		Lease: GATE CANYON STATE 31-			Well No.: 1			Date: 5-Feb-04									

Measured Depth: 9,737'		TVD: 9,737'		PBD:		Proposed MD: 11,760'		Proposed TVD: 11,760'	
DOZ: 39	DFS: 38	Spud Date: 31-Dec-03		Daily Footage: 70'		Daily Rot Hrs: 15		Total Rot Hrs: 15	
Torque: Drag: 2K	Rot Wt: 248	P/U Weight: 250	S/O Wt: 243	Wind: 0	Seas: W	Bar: 29.85	POB:		
Last Casing Size: 9 5/8		Set At: 3,117'		TVD 330'		Shoe Test: 11.88		Leakoff? Y N <input checked="" type="checkbox"/>	
Cum Rot Hrs on Casing:		Cum Rot Hrs on Casing Since Last Caliper:		Depth Worst Wear:		% Remaining:			
Liner Size: Set At: TVD				Liner Top At: MD TVD					
Mud Co: MI	Type: POLY/GEL			Sample From: SUC	Wt: 9.2	FV: 29	PV: 4	YP: 3	Gel: 2/2/2
WL API: 30.0	HTHP:	FC(1/32) API/HTHP: 1	Solids: 4.40	% Oil:	% Water: 95.6	% Sand: TR	MBT:	pH: 8.0	
Pm: 0.50	Pf/Mf: .5/7.4	Carb:	Cl: 1,100	Ca/Ma: 120	Bent: -2.72	Solids % HG/LG: 2.0% / 2.4%		% DS/Bent: 2.7% / -0.3%	
Engr Service		Materials added last 24 hrs:							

TIH RISE SEC-21 API# 43-013-32391

Drlg Gas: 20		Max Gas: 150		Conn. Gas:		Trip Gas:		Trip Cl:		Remarks:			
Bit No.	IADC	Size	Manufacturer	Serial Number	Type	Jets			TFA	MD In	MD Out	TVD Out	
10	657	7 7/8"	SEC	10424705	XS55	20	20	20	0	0.9204	9,667'	9,737'	9,737'
11	817	7.875"	VAREL	ER5967	EH81RS	22	22	22	0	1.1137	9,737'		
Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Dull Char	Reason Pulled	Cost/Ft	
70'	38.00	18-22	105-125	6	5	WT	A	1	4	BT	HR		
#####		16-18	60-110										

Total Length of BHA: 773' BHA Description: BIT, MUD-MOTOR, FLOAT SUB, TELE DRIFT, 24-6 3/8" DC's

										DC Size: 6 3/8"	DP Size: 4 1/2"	
Pump	Liner	Stroke	BBL/STK	SPM	Pressure	GPM	Jet Vel	DP AV	DC AV	Bit HHP	BHHP/SQ. IN.	Pump HHP
1	6.5	11	0.102	87	1,200	373	130	#####	#####	30	#VALUE!	261
2	5.5	10	0.074	86	1,347	265	92	#####	#####	15	#VALUE!	209

Survey MD	TVD	Angle	Direction	N/S Coordinate	E/W Coordinate	Vertical Section	DLS
	8914'	2°					
	9491	1.5°					

Hrs.	(From-To) hh:mm	Operations Covering 24 Hours Ending at 06:00 Hours
02:30	06:00 - 08:30	WASH AND REAM TO BOTTOM 9647-9667
14:30	08:30 - 23:00	DRILLING AHEAD 18-22K WOB AVG. 5 FT/HR
01:00	23:00 - 24:00	PUMP SLUG TO POOH
05:00	00:00 - 05:00	POOH TO CHG BIT
01:00	05:00 - 06:00	TIH WITH NEW BIT
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

E & S Summary:

Days Since Last: Lost Time Accident: OSHA Rec.: MMS INCs: Spill:

Last BOP Test: 1/22/04 Next BOP Test: RKB - MSL: 14' Water Depth:

24 Hr Forecast: TIH WITH NEW BIT AND DRILL AHEAD WITH HARDER 8 TYPE BIT WITH EXTRA GUAGE PROTECTION INSTALLED

Daily Mud Cost: \$1,254		Daily Tangible Cost:		Daily Well Cost: \$20,186		AFE Number:	
Cum Mud Cost: \$56,961		Cum Tangible Cost: \$45,743		Cum Well Cost: \$979,217		Total Appr:	
Drill Water:	Potable Water:	Fuel:	Bulk Wt:	Cement> Neat:	Blended:		
Profit Center:	Rig: NABORS 924	Rig Phone: 435-823-4272	Drilling Rep: JEFF DUNCAN				
Field: WILDCAT	Lease: GATE CANYON STATE 31-21-11-	Well #: 15	1	Date: 6-Feb-04			

INTANGIBLES				Daily	Cum
830.001 Surveying & Permits				0	0
830.006 Rig Mob/Demob				0	0
830.007 Drilling Cost			11,000	11,000	373,000
830.009 Fuel/Power				0	70,754
830.010 Rental Tools and Equipment			1,570	1,570	47,035
MUD MOTOR	1,000	FLARE LINE W/IGNITOR	65		
XO SUB	20	EPOCH	235		
TELEDRFT					
GAS BUSTER		125			
POWER CHOKE		125			
830.011 Directional Tools, Surveys, & Services				0	0
830.012 Fishing Tools & Services			0	0	6,700
830.013 Bits, Stabilizers				0	63,600
830.014 Drilling Mud & Chemicals		MI		1,254	1,254
830.015 Mud System Equipment Rental		MUD CLEANER		225	225
830.016 Casing Crews & Tools			0	0	9,698
830.017 Casing Hardware (Non-Salvageable)				0	0
830.018 Cement & Cement Services				0	49,969
830.021 Mud Logging		COLUMBINE LOGGING SERVICE		775	775
830.020/830.023 Open Hole Logging and Coring				0	0
830.029 Pipe/Tubing Inspection and Testing				0	4,066
830.035 Fluids/Cuttings Disposal				0	0
830.036 Transportation - Tugs/Boats/Barges/Air				0	0
830.037 Dock Services / Trucking		HOTSHOT		0	7,185
830.038 Communication		RIG PHONE AND INTERCOMS (MOUNTAIN WEST INC.)		20	20
830.019 Contract Labor		J-WEST WELDER		1,584	1,584
830.039 Wellsite Supervision		NEW TECH ENGINEERING		825	825
830.040 Overhead Expense - Administration (Office) & Eng				0	0
830.041 Insurance				0	0
830.043 Misc & Unforeseen (Includes General Supplies)		LINERS AND SWABS (6.5")		0	19,615
830.005 Water Well or Supply (potable Water)		JIM NEBEKER TRUCKING DRILL WATER		0	19,779
830.042 Plug & Abandon				0	0
830.044 Rihg Site Housing		MOUNTAIN WEST INC.		0	6,900
830.043 Contingency @		10 %		1,725	1,725
830.058 Parish and State Taxes @		7 %		1,208	1,208
TOTAL INTANGIBLE				20,186	933,474

TANGIBLE

850.010 Caisson				0	0
850.010 Drive Pipe				0	0
850.010 Conductor Casing				0	0
850.020 Surface Casing		9.625 @ \$12.98/FT 3245'		0	42,120
850.030 Intermediate Casing				0	0
850.060 Drilling Liners				0	0
850.051 Subsurface Equipment & Hardware				0	0
850.050 Wellhead Equipment and Trees			0	0	630
				0	0
				0	0
				0	0
				0	0
Contingency @				0	0
850.058 Parish and State Taxes @		7 %		0	0
TOTAL TANGIBLE				0	45,743
Total Daily Field Estimate				20,186	
Days on Location:		39	Total Cumulative Field Estimate		979,217
Rig:	NABORS 924	Well No.:	1	Prepared By:	JEFF DUNCAN
Field:	WILDCAT	Lease:	CANYON STATE 31-2	AFE No.:	
				Date THRU:	2/6/2004

Spud Date: 12/31/2003		MD (ft): 9,737'		TVD: 9,737'		Present Activity: DRILG																	
Contractor: NABORS			Rig: NABORS 924			Report Number: 39																	
Drilling Mud Supplier: MI				Report For Contract Supervisor:																			
MUD VOLUME (BBL)																							
Hole: w/ DP		Hole: w/o DP: #####		Pits: 800		Total Circ. Vol.: 800		Storage:		Type: POLY/GEL													
CIRCULATING DATA																							
Bbl/Min: 8.9		Gal/Min: 373		Annual Vel. (Ft./Min)		DP: #####		DC: #####															
Circulation Pressure (PSI): 1,200			Bottoms Up Time (Min): #####			Total Circ. Time (Min.): 90.2																	
Current Mud Properties						Mud Property Specifications																	
Sample From: SUC			Wt:			Viscosity:			Filtrate:														
Time Sample Taken: 15:00			Mud Contains			Recommended Treatment																	
Flowline Temperature (Deg. F): 85																							
Depth (ft): 9,700'																							
Weight (ppg): 9.20																							
Funnel Vis.(sec./qt.) API: 90 Deg. F		29																					
Plastic Viscosity cp @ 90 Deg. F		4																					
Yield Point (lb/100 sq. ft.): 3																							
Gel Strength (lb/100 sq. ft.) 10 sec/10 min.: 2/2/2																							
Filtrate API (cc/30 min.): 30.0																							
HTHP @ 55 Deg. F		PSI																					
Cake Thickness (32nd in API/HTHP): 1																							
Solids Content (% by vol.) Retort: 4.4																							
Oil Content (% by vol.) Retort:																							
Water Content (% by vol.) Retort: 95.6																							
Sand Content (% by vol.): TR																							
Methylene Blue Capacity (lb/bbl. equiv.):																							
PH Meter @ 55 Deg. F: 8.0						EQUIPMENT			Cost Data														
Alkalinity Mud (Pm): 0.50						Size			Hrs/Tour														
Alkalinity Filtrate (pf/Mf): .5/7.4						Centrifuge						Daily Cost: \$1,254											
Carbonate Determination (mg/1000 cc):						Degasser																	
Chloride (mg/1000 cc): 1,100						Desander						Cumulative: \$56,961											
Calcium (mg/1000 cc) /Mag (mg/1000 cc): 120						Desilter																	
Bentonite (lb/bbl.): -2.72						Shaker																	
Solids % High Gravity / % Low Gravity: 2.0% / 2.4%						Other																	
Solids % Drill Solids / % Bentonite: 2.7% / -0.3%						Other																	
Corrected Solids/Corrected Saltwater: 4.4% / 95.6%						Other																	
DAPP (lbs/bbl): 6.1						Other																	
Remarks:																							
Drilling Fluids Rep.: TOM RICE						Home Address:						Phone: 435-789-3107											
Mud or Consulting Co.: MI						Warehouse Location: VERNAL						Phone: 435-722-2466											
Mud Chemical Inventory																							
Units	SX	SX	SX	SX	SX	SX	SX	5 GAL	SX	SX	SX	SX	SX	SX	SX	DRUM	DAY						
Cost/Unit	13.37	11.46	9.26	5.52	10.87	16.22	11.60	64.79	162.32	18.48	58.28	3.75	8.08	20.00			461.97						
Description	DAPP	PAPER	DUROGEL	MI BAR	MARBLE WHITE	MAXI SEAL	MICA MEDIUM	POLY PLUS	POLY PAC	SALT DRILL	SAPP	SAWDUST	SODA ASH	SODIUM BICARB	KLA GUARD B		ENGINEERING						
Starting Inventory	228	72	406	720	102	210	90	82	85	39	51	35	96	0	4	0	35						
Received																							
Used Last 24 Hours	13	16			12	5	20	7															
Closing Inventory	215	56	406	720	90	205	70	75	85	39	51	35	96	0	4	0	35						
Time Distribution:	Drilling:				Trip:				CCM:				Other:										
Circulating Information: n:						K:						Type of Flow:						ECD:					
Profit Center:						AFE:						Drilling Rep: JEFF DUNCAN											
Field: WILDCAT				Lease: GATE CANYON STATE 31-				Well No.: 1				Date: 6-Feb-04											

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT - for such proposals		6. Lease Designation and Serial Number Exploration Agreement Effective 5-1-01
		7. Indian Allottee or Tribe Name N/A
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify)		8. Unit or Communitization Agreement N/A
2. Name of Operator GASCO Energy, Inc./Pannonian Energy, Inc.		9. Well Name and Number Gate Canyon State #31-21-11-15
3. Address of Operator 14 Inverness Drive East, Suite #H236, Englewood, CO 80112	4. Telephone Number 303/483-0044	10. API Well Number 43-013-32391
5. Location of Well Footage : 701' FNL and 1898' FWL County : Duchesne QQ, Sec, T., R., M. : NE NW, Sec. 21, T11S - R15E, S.L.B. & M State : UT		11. Field and Pool, or Wildcat Wildcat

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA																											
<p style="text-align: center;">NOTICE OF INTENT (Submit in Duplicate)</p> <table border="0"> <tr><td><input type="checkbox"/> Abandonment</td><td><input type="checkbox"/> New Construction</td></tr> <tr><td><input type="checkbox"/> Casing Repair</td><td><input type="checkbox"/> Pull or Alter Casing</td></tr> <tr><td><input type="checkbox"/> Change of Plans</td><td><input type="checkbox"/> Recompletion</td></tr> <tr><td><input type="checkbox"/> Conversion to Injection</td><td><input type="checkbox"/> Shoot or Acidize</td></tr> <tr><td><input type="checkbox"/> Fracture Treat</td><td><input type="checkbox"/> Vent or Flare</td></tr> <tr><td><input type="checkbox"/> Multiple Completion</td><td><input type="checkbox"/> Water Shut-Off</td></tr> <tr><td><input checked="" type="checkbox"/> Other Install compressor and related facilities</td><td></td></tr> </table> <p>Approximate Date Work Will Start <u>Upon Approval</u></p>	<input type="checkbox"/> Abandonment	<input type="checkbox"/> New Construction	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recompletion	<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Shoot or Acidize	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off	<input checked="" type="checkbox"/> Other Install compressor and related facilities		<p style="text-align: center;">SUBSEQUENT REPORT (Submit Original Form Only)</p> <table border="0"> <tr><td><input type="checkbox"/> Abandonment *</td><td><input type="checkbox"/> New Construction</td></tr> <tr><td><input type="checkbox"/> Casing Repair</td><td><input type="checkbox"/> Pull or Alter Casing</td></tr> <tr><td><input type="checkbox"/> Change of Plans</td><td><input type="checkbox"/> Shoot or Acidize</td></tr> <tr><td><input type="checkbox"/> Conversion to Injection</td><td><input type="checkbox"/> Vent or Flare</td></tr> <tr><td><input type="checkbox"/> Fracture Treat</td><td><input type="checkbox"/> Water Shut-Off</td></tr> <tr><td><input type="checkbox"/> Other _____</td><td></td></tr> </table> <p>Date of Work Completion _____</p> <p><small>Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form. * Must be accompanied by a cement verification report.</small></p>	<input type="checkbox"/> Abandonment *	<input type="checkbox"/> New Construction	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Shoot or Acidize	<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> Other _____	
<input type="checkbox"/> Abandonment	<input type="checkbox"/> New Construction																										
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing																										
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recompletion																										
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<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Vent or Flare																										
<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off																										
<input checked="" type="checkbox"/> Other Install compressor and related facilities																											
<input type="checkbox"/> Abandonment *	<input type="checkbox"/> New Construction																										
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing																										
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Shoot or Acidize																										
<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Vent or Flare																										
<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Water Shut-Off																										
<input type="checkbox"/> Other _____																											

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

GASCO Energy, Inc./Pannonian Energy, Inc. proposes the installation of one Waukesha 2895 GSI Compressor and related facilities. Operation of the compressor is necessary for the entry of produced natural gas from nearby wells into the sales pipeline. Exhaust emissions from the compressor are to be permitted by the Utah DEO.

RECEIVED
FEB 06 2004
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.

Name & Signature John Longwell *[Signature]* Title Operations Manager Date 01/20/04

**Accepted by the
Utah Division of
Oil, Gas and Mining**

COPY SENT TO OPERATOR
Date: 2-17-04
Initials: LHD

See Instructions on Reverse Side

Date: 2/13/04
By: [Signature]

Measured Depth:	9,777'	TVD:	9,777'	PBTD:		Proposed MD:	11,760'	Proposed TVD:	11,760'								
DOL:	.40	DFS:	39	Spud Date:	31-Dec-03	Daily Footage:	40'	Daily Rot Hrs:		Total Rot Hrs:							
Torque:		Drag:		Rot Wt:		P/U Weight:		S/O Wt:		Wind:	0	Seas:	W	Bar:	29.85	POB:	
Last Casing Size:	9 5/8	Set At:	3,117'	TVD	330'	Shoe Test:	11.88	Leakoff?	Y	N	<input checked="" type="checkbox"/>						
Cum Rot Hrs on Casing:		Cum Rot Hrs on Casing Since Last Caliper:		Depth Worst Wear:		% Remaining:											
Liner Size:		Set At:		TVD		Liner Top At:		MD		TVD							
Mud Co:	MI	Type:	POLY/GEL	Sample From:	SUC	Wt:	9.1	FV:	31	PV:	5	YP:	4	Gel:	2/2/4		
WL API:	36.0	HTHP:		FC(1/32) API/HTHP:	1	Solids:	4.00	% Oil:		% Water:	96.0	% Sand:	TR	MBT:		pH:	8.0
Pm:	0.60	Pf/Mf:	.6/7.2	Carb:		Cl:	1,000	Ca/Ma:	120	Bent:	-2.65	Solids % HG/LG:	1.7% / 2.3%	% DS/Bent:	2.6% / -0.3%		
Engr Service	Materials added last 24 hrs:																

TIH RISE SEC-21 API# 43-013-32391

Drig Gas:	20	Max Gas:	85	Conn. Gas:		Trip Gas:		Trip Cl:		Remarks:			
Bit No.	IADC	Size	Manufacturer	Serial Number	Type	Jets			TFA	MD In	MD Out	TVD Out	
10	657	7 7/8"	SEC	10424705	XS55	20	20	20	0	0.9204	9,667'	9,737'	9,737'
11	817	7.875"	VAREL	ER5967	EH81RS	22	22	22	0	1.1137	9,737'		
Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Dull Char	Reason Pulled	Cost/Ft	
70'	38.00	18-22	105-125	6	5	WT	A	1	4	BT	HR		
#####		16-18	60-110										

Total Length of BHA: 773' BHA Description: BIT, MUD-MOTOR, FLOAT SUB, TELE DRIFT, 24-6 3/8" DC's

										DC Size:	6 3/8"	DP Size:	4 1/2"
Pump	Liner	Stroke	BBL/STK	SPM	Pressure	GPM	Jet Vel	DP AV	DC AV	Bit HHP	BHHP/SQ. IN.	Pump HHP	
1	6.5	11	0.102	87	1,200	373	130	#####	#####	30	#VALUE!	261	
2	5.5	10	0.074	86	1,347	265	92	#####	#####	15	#VALUE!	209	

Survey MD	TVD	Angle	Direction	N/S Coordinate	E/W Coordinate	Vertical Section	DLS
	8914'	2°					
	9491	1.5°					

Hrs.	(From -To) hh:mm	Operations Covering 24 Hours Ending at 06:00 Hours
05:00	06:00 - 11:00	TIH WITH NEW BIT
00:30	11:00 - 11:30	RIG SERVICE
05:00	11:30 - 16:30	WASH AND REAM FROM 9716-9737' MD
07:30	16:30 - 24:00	DRILLING AHEAD, WITH 20 - 25 WOB 25 RPM ON ROTARY AND 80 RPM ON MUDMOTOR
06:00	00:00 - 06:00	DRILLING AHEAD, WITH 20 - 25 WOB 25 RPM ON ROTARY AND 80 RPM ON MUDMOTOR
	-	
	-	NOTE PEN RATE AVG 3 FT/HR, ETREMELY HARD FORMATION LACED WITH CALCITE AND PYRITE
	-	
	-	
	-	
	-	
	-	
	-	

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E & S Summary:

Days Since Last: Lost Time Accident: OSHA Rec.: MMS INCs: Spill:

Last BOP Test: 1/22/04 Next BOP Test: RKB - MSL: 14' Water Depth:

24 Hr Forecast: DRILLING AHEAD

Drill Tech: Accidents:

Daily Mud Cost: \$1,280 Daily Tangible Cost: Daily Well Cost: \$30,458 AFE Number:

Cum Mud Cost: \$58,241 Cum Tangible Cost: \$45,743 Cum Well Cost: \$1,009,674 Total Appr:

Drill Water: Potable Water: Fuel: Bulk Wt: Cement Neat: Blended:

Profit Center: Rig: NABORS 924 Rig Phone: 435-823-4272 Drilling Rep: JEFF DUNCAN

Field: WILDCAT Lease: GATE CANYON STATE 31-21-11-15 Well #: 1 Date: 7-Feb-04

Spud Date: 12/31/2003		MD (ft): 9,777'		TVD: 9,777'		Present Activity: DRILG											
Contractor: NABORS			Rig: NABORS 924			Report Number: 40											
Drilling Mud Supplier: MI				Report For Contract Supervisor:													
MUD VOLUME (BBL)																	
Hole: w/ DP		Hole: w/o DP: #####		Pits: 800		Total Circ. Vol.: 800		Storage:		Type: POLY/GEL							
CIRCULATING DATA																	
Bbl/Min: 8.9		Gal/Min: 373		Annual Vel. (Ft./Min)		DP: #####		DC: #####									
Circulation Pressure (PSI): 1,200			Bottoms Up Time (Min): #####			Total Circ. Time (Min.): 90.2											
Current Mud Properties				Mud Property Specifications													
Sample From: SUC		Wt:		Viscosity:		Filtrate:											
Time Sample Taken: 16:00		Mud Contains		Recommended Treatment													
Flowline Temperature (Deg. F): 85																	
Depth (ft): 9,737'																	
Weight (ppg): 9.10																	
Funnel Vis.(sec./qt.) API: 85 Deg. F: 31				CONFIDENTIAL													
Plastic Viscosity cp @ 85 Deg. F: 5																	
Yield Point (lb/100 sq. ft.): 4																	
Gel Strength (lb/100 sq. ft.) 10 sec/10 min.: 2/2/4																	
Filtrate API (cc/30 min.): 36.0																	
HTHP @ Deg. F PSI:																	
Cake Thickness (32nd in API/HTHP): 1																	
Solids Content (% by vol.) Retort: 4.0																	
Oil Content (% by vol.) Retort:																	
Water Content (% by vol.) Retort: 96.0																	
Sand Content (% by vol.): TR																	
Methylene Blue Capacity (lb/bbl. equiv.):																	
PH Meter @ 55 Deg. F: 8.0				EQUIPMENT													
Alkalinity Mud (Pm): 0.60				Size		Hrs/Tour		Cost Data									
Alkalinity Filtrate (pf/Mf): .6/7.2				Centrifuge				Daily Cost: \$1,280									
Carbonate Determination (mg/1000 cc):				Degasser													
Chloride (mg/1000 cc): 1,000				Desander													
Calcium (mg/1000 cc) /Mag (mg/1000 cc): 120				Desilter				Cumulative: \$58,241									
Bentonite (lb/bbl.): -2.65				Shaker													
Solids % High Gravity / % Low Gravity: 1.7% / 2.3%				Other													
Solids % Drill Solids / % Bentonite: 2.6% / -0.3%				Other													
Corrected Solids/Corrected Saltwater: 4.0% / 96.0%				Other													
DAPP (lbs/bbl): 6				Other													
Remarks:																	
Drilling Fluids Rep.: TOM RICE				Home Address:				Phone: 435-789-3107									
Mud or Consulting Co.: MI				Warehouse Location: VERNAL				Phone: 435-722-2466									
Mud Chemical Inventory																	
Units	SX	SX	SX	SX	SX	SX	SX	5 GAL	SX	SX	SX	SX	SX	SX	DRUM	DAY	
Cost/Unit	13.37	11.46	9.26	5.52	10.87	16.22	11.60	64.79	162.32	18.48	58.28	3.75	8.08	20.00		461.97	
Description	DAPP	PAPER	DUROGEL	MI BAR	MARBLE WHITE	MAXI SEAL	MICA MEDIUM	POLY PLUS	POLY PAC	SALT DRILL	SAPP	SAWDUST	SODA ASH	SODIUM BICARB	KLA GUARD B	ENGINEERING	
Starting Inventory	215	56	406	720	90	205	70	75	85	39	51	35	96	0	4	0	35
Received																	
Used Last 24 Hours	20							8	3			2					
Closing Inventory	195	56	406	720	90	205	70	67	82	39	51	33	96	0	4	0	35
Time Distribution:	Drilling:			Trip:			CCM:			Other:							
Circulating Information:		n:		K:		Type of Flow:				ECD:							
Profit Center:				AFE:				Drilling Rep: JEFF DUNCAN									
Field: WILDCAT		Lease: GATE CANYON STATE 31-		Well No.: 1		Date: 7-Feb-04											

INTANGIBLES				Daily	Cum
830.001 Surveying & Permits				0	0
830.006 Rig Mob/Demob				0	0
830.007 Drilling Cost			11,000	11,000	395,000
830.009 Fuel/Power				0	81,092
830.010 Rental Tools and Equipment			1,570	1,570	50,175
MUD MOTOR	1,000	FLARE LINE W/IGNITOR	65		
XO SUB	20	EPOCH	235		
TELEDRFT					
GAS BUSTER					
POWER CHOKE					
830.011 Directional Tools, Surveys, & Services				0	0
830.012 Fishing Tools & Services			0	0	6,700
830.013 Bits, Stabilizers				0	63,600
830.014 Drilling Mud & Chemicals		MI		5,922	5,922
830.015 Mud System Equipment Rental		MUD CLEANER		225	225
830.016 Casing Crews & Tools				0	9,698
830.017 Casing Hardware (Non-Salvageable)				0	0
830.018 Cement & Cement Services				0	49,969
830.021 Mud Logging		COLUMBINE LOGGING SERVICE		775	775
830.020/830.023 Open Hole Logging and Coring				0	0
830.029 Pipe/Tubing Inspection and Testing				0	4,066
830.035 Fluids/Cuttings Disposal				0	0
830.036 Transportation - Tugs/Boats/Barges/Air				0	0
830.037 Dock Services / Trucking		HOTSHOT		0	7,185
830.038 Communication		RIG PHONE AND INTERCOMS (MOUNTAIN WEST INC.)		20	20
830.019 Contract Labor		J-WEST WELDER		0	11,220
830.039 Wellsite Supervision		NEW TECH ENGINEERING		825	825
830.040 Overhead Expense - Administration (Office) & Eng				0	0
830.041 Insurance				0	0
830.043 Misc & Unforeseen (Includes General Supplies)		LINERS AND SWABS (6.5")		0	19,615
830.005 Water Well or Supply (potable Water)		JIM NEBEKER TRUCKING DRILL WATER		0	19,779
830.042 Plug & Abandon				0	0
830.044 Rihg Site Housing		MOUNTAIN WEST INC.		0	6,900
830.043 Contingency @		10 %		2,034	2,034
830.058 Parish and State Taxes @		7 %		1,424	1,424
TOTAL INTANGIBLE				23,795	987,726

TANGIBLE

850.010 Caisson				0	0
850.010 Drive Pipe				0	0
850.010 Conductor Casing				0	0
850.020 Surface Casing		9.625 @ \$12.98/FT	3245'	0	42,120
850.030 Intermediate Casing				0	0
850.060 Drilling Liners				0	0
850.051 Subsurface Equipment & Hardware				0	0
850.050 Wellhead Equipment and Trees				0	630
				0	0
				0	0
				0	0
				0	0
Contingency @				0	0
850.058 Parish and State Taxes @		7 %		0	2,993
TOTAL TANGIBLE				0	45,743
Total Daily Field Estimate				23,795	
Days on Location:		41		Total Cumulative Field Estimate 1,033,469	
Rig:	NABORS 924	Well No.:	1	Prepared By: MARK F BARNES	
Field:	WILDCAT	Lease:	CANYON STATE 31-2	AFE No:	Date THRU: 2/8/2004

Spud Date: 12/31/2003		MD (ft): 9,850'		TVD: 9,850'		Present Activity: DRILG											
Contractor: NABORS			Rig: NABORS 924			Report Number: 41											
Drilling Mud Supplier: MI				Report For Contract Supervisor:													
MUD VOLUME (BBL)																	
Hole: w/ DP		Hole: w/o DP: #####		Pits: 800		Total Circ. Vol.: 800		Storage:		Type: POLY/GEL							
CIRCULATING DATA																	
Bbl/Min: 8.9		Gal/Min: 373		Annual Vel. (Ft./Min)		DP: #####		DC: #####									
Circulation Pressure (PSI): 1,200			Bottoms Up Time (Min): #####			Total Circ. Time (Min.): 90.2											
Current Mud Properties						Mud Property Specifications											
Sample From: SUC			Wt:			Viscosity:			Filtrate:								
Time Sample Taken: 16:30			Mud Contains			Recommended Treatment											
Flowline Temperature (Deg. F): 90																	
Depth (ft): 9,798'																	
Weight (ppg): 9.20																	
Funnel Vis.(sec./qt.) API: 85 Deg. F		34															
Plastic Viscosity cp @: 85 Deg. F		7								CONFIDENTIAL							
Yield Point (lb/100 sq. ft.): 5																	
Gel Strength (lb/100 sq. ft.) 10 sec/10 min.: 2/5/6																	
Filtrate API (cc/30 min.): 12.0																	
HTHP @: Deg. F PSI																	
Cake Thickness (32nd in API/HTHP): 1																	
Solids Content (% by vol.) Retort: 4.8																	
Oil Content (% by vol.) Retort:																	
Water Content (% by vol.) Retort: 95.2																	
Sand Content (% by vol.): TR																	
Methylene Blue Capacity (lb/bbl. equiv.):																	
PH Meter @: 55 Deg. F			7.5			EQUIPMENT			Cost Data								
Alkalinity Mud (Ppm): 0.30						Size Hrs/Tour											
Alkalinity Filtrate (pf/Mf): .3/7.2						Centrifuge			Daily Cost: \$5,922								
Carbonate Determination (mg/1000 cc):						Degasser											
Chloride (mg/1000 cc): 500						Desander			Cumulative: \$64,163								
Calcium (mg/1000 cc) /Mag (mg/1000 cc): 80						Desilter											
Bentonite (lb/bbl.): -3.57						Shaker											
Solids % High Gravity / % Low Gravity: 1.7% / 3.1%						Other											
Solids % Drill Solids / % Bentonite: 3.5% / -0.4%						Other											
Corrected Solids/Corrected Saltwater: 4.8% / 95.2%						Other											
DAPP (lbs/bbl): 6.2						Other											
Remarks:																	
Drilling Fluids Rep.: TOM RICE				Home Address:				Phone: 435-789-3107									
Mud or Consulting Co.: MI				Warehouse Location: VERNAL				Phone: 435-722-2466									
Mud Chemical Inventory																	
Units	SX	SX	SX	SX	SX	SX	SX	5 GAL	SX	SX	SX	SX	SX	SX	DRUM	DAY	
Cost/Unit	13.37	11.46	9.26	5.52	10.87	16.22	11.60	64.79	162.32	18.48	58.28	3.75	8.08	20.00		461.97	
Description	DAPP	PAPER	DUROGEL	MI BAR	MARBLE WHITE	MAXI SEAL	MICA MEDIUM	POLY PLUS	POLY PAC	SALT DRILL	SAPP	SAWDUST	SODA ASH	SODIUM BICARB	KLA GUARD B	ENGINEERING	
Starting Inventory	195	56	406	720	90	205	70	67	82	39	51	33	96	0	4	0	35
Received																	
Used Last 24 Hours	26			40				20	25								
Closing Inventory	169	56	406	680	90	205	70	47	57	39	51	33	96	0	4	0	35
Time Distribution:	Drilling:			Trip:			CCM:			Other:							
Circulating Information:	n:			K:			Type of Flow:			ECD:							
Profit Center:				AFE:			Drilling Rep: MARK F BARNES										
Field: WILDCAT	Lease: GATE CANYON STATE 31-			Well No.: 1			Date: 8-Feb-04										

Measured Depth: 9,964'		TVD: 9,964'		PBD:		Proposed MD: 11,760'		Proposed TVD: 11,760'	
DOL: 42	DFS: 41	Spud Date: 31-Dec-03		Daily Footage: 114'		Daily Rot Hrs:		Total Rot Hrs:	
Torque:	Drag:	Rot Wt:	P/U Weight:	S/O Wt:	Wind: 10	Seas: W	Bar: 29.85	POB:	
Last Casing Size: 9 5/8		Set At: 3,117'		TVD 3,117'		Shoe Test: 11.88		Leakoff? Y N <input checked="" type="checkbox"/>	
Cum Rot Hrs on Casing:		Cum Rot Hrs on Casing Since Last Caliper:		Depth Worst Wear:		% Remaining:			
Liner Size: Set At: TVD				Liner Top At: MD TVD					
Mud Co: MI	Type: POLY/GEL			Sample From: SUC	Wt: 9.2	FV: 34	PV: 7	YP: 5	Gel: 2/5/6
WL API: 12.0	HTHP:	FC(1/32) API/HTHP: 1	Solids: 4.50	% Oil:	% Water: 95.5	% Sand: TR	MBT:	pH: 8.0	
Pm: 0.30	Pf/Mf: .3/7.2	Carb:	Cl: 1,000	Ca/Ma: 120	Bent: -2.93	Solids % HG/LG: 1.9% / 2.6%		% DS/Bent: 2.9% / -0.3%	
Engr Service	Materials added last 24 hrs:								

THIS RISE SEC-21 API# 43-013-32391

Drig Gas: 19		Max Gas: 300		Conn. Gas:		Trip Gas:		Trip Cl:		Remarks:			
Bit No.	IADC	Size	Manufacturer	Serial Number	Type	Jets		TFA	MD In	MD Out	TVD Out		
10	657	7 7/8"	SEC	10424705	XS55	20	20	20	0	0.9204	9,667'	9,737'	9,737'
11	817	7.875"	VAREL	ER5967	EH81RS	22	22	22	0	1.1137	9,737'	9,964'	9,964'
Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Dull Char	Reason Pulled	Cost/Ft	
70'	20.00	18-22	105-125	6	5	WT	A	1	4	BT	HR		
227'	42.00	16-18	60-110	4	8	WT	A	5	8	WT	PR		

Total Length of BHA: 778' BHA Description: BIT, MUD-MOTOR, TELE DRIFT, 24-6" DC's

										DC Size: 6 3/8"	DP Size: 4 1/2"	
Pump	Liner	Stroke	BBL/STK	SPM	Pressure	GPM	Jet Vel	DP AV	DC AV	Bit HHP	BHHP/SQ. IN.	Pump HHP
1	6.5	11	0.102	87	1,200	373	130	#####	#####	30	#VALUE!	261
2	5.5	10	0.074	86	1,347	265	92	#####	#####	15	#VALUE!	209

Survey MD	TVD	Angle	Direction	N/S Coordinate	E/W Coordinate	Vertical Section	DLS
	8914'	2°					
	9491	1.5°					

Hrs.	(From-To) hh:mm	Operations Covering 24 Hours Ending at 06:00 Hours									
04:00	06:00	10:00 DRILLING AHEAD									
01:30	10:00	11:30 WORKING ON ROTARY CHAIN									
00:30	11:30	12:00 RIGSERVICE									
03:30	12:00	15:30 DRILLING AHEAD									
06:30	15:30	22:00 PUMP SLUG AND POOH									
02:00	22:00	24:00 RIG SHUT DOWN DUE TO LACK OF PERSONEL									
06:00	00:00	06:00 RIG SHUT DOWN DUE TO LACK OF PERSONEL									
		-									
		9.5 HRS OF TOTAL DOWNTIME TODAY									
		-									
		NEW BIT = RTC HP74 DGHKPR SER. NO. T38630									
		-									
		-									
		-									

CONFIDENTIAL

E & S Summary:

Days Since Last:	Lost Time Accident:	OSHA Rec.:	MMS INCs:	Spill:	
Last BOP Test: 1/22/04	Next BOP Test:	RKB - MSL: 14'	Water Depth:		
24 Hr Forecast: RIH WHEN CREW SHOWS UP AND RESUME DRILLING					
Daily Mud Cost: \$2,464			Daily Tangible Cost:	Daily Well Cost:	AFE Number:
Cum Mud Cost: \$66,628		Cum Tangible Cost: \$45,743	Cum Well Cost: \$1,022,885	Total Appr:	
Drill Water:	Potable Water:	Fuel:	Bulk Wt:	Cement> Neat:	Blended:
Profit Center:	Rig: NABORS 924	Rig Phone: 435-823-4272	Drilling Rep: MARK F BARNES		
Field: WILDCAT	Lease: GATE CANYON STATE 31-21-11-15	Well#: 1	Date: 9-Feb-04		

INTANGIBLES				Daily	Cum
830.001 Surveying & Permits				0	0
830.006 Rig Mob/Demob				0	0
830.007 Drilling Cost				-28,646	366,354
830.009 Fuel/Power				0	81,092
830.010 Rental Tools and Equipment				1,570	51,745
MUD MOTOR	1,000	FLARE LINE W/IGNITOR	65		
XO SUB	20	EPOCH	235		
TELEDRFT					
GAS BUSTER	125				
POWER CHOKE	125				
830.011 Directional Tools, Surveys, & Services				0	0
830.012 Fishing Tools & Services				0	6,700
830.013 Bits, Stabilizers				7,520	77,320
830.014 Drilling Mud & Chemicals				2,464	66,628
830.015 Mud System Equipment Rental				225	4,905
830.016 Casing Crews & Tools				0	9,698
830.017 Casing Hardware (Non-Salvageable)				0	0
830.018 Cement & Cement Services				0	49,969
830.021 Mud Logging				775	22,475
830.020/830.023 Open Hole Logging and Coring				0	0
830.029 Pipe/Tubing Inspection and Testing				0	4,066
830.035 Fluids/Cuttings Disposal				0	0
830.036 Transportation - Tugs/Boats/Barges/Air				0	0
830.037 Dock Services / Trucking				0	7,185
830.038 Communication				20	640
830.019 Contract Labor				0	11,220
830.039 Wellsite Supervision				825	28,875
830.040 Overhead Expense - Administration (Office) & Eng				0	0
830.041 Insurance				0	0
830.043 Misc & Unforeseen (Includes General Supplies)				0	19,615
830.005 Water Well or Supply (potable Water)				0	19,779
830.042 Plug & Abandon				0	0
830.044 Rihg Site Housing				0	6,900
830.043 Contingency @ 10 %				-1,525	83,516
830.058 Parish and State Taxes @ 7 %				-1,067	58,462
TOTAL INTANGIBLE				-17,838	977,142

TANGIBLE				Daily	Cum
850.010 Caisson				0	0
850.010 Drive Pipe				0	0
850.010 Conductor Casing				0	0
850.020 Surface Casing				0	42,120
850.030 Intermediate Casing				0	0
850.060 Drilling Liners				0	0
850.051 Subsurface Equipment & Hardware				0	0
850.050 Wellhead Equipment and Trees				0	630
				0	0
				0	0
				0	0
				0	0
Contingency @				0	0
850.058 Parish and State Taxes @ 7 %				0	2,993
TOTAL TANGIBLE				0	45,743
Total Daily Field Estimate				-17,838	
Days on Location: 42				Total Cumulative Field Estimate	1,022,885
Rig: NABORS 924	Well No.: 1	Prepared By: MARK F BARNES			
Field: WILDCAT	Lease: CANYON STATE 31-2	AFE No:	Date THRU: 2/9/2004		

Spud Date: 12/31/2003		MD (ft): 9,964'		TVD: 9,964'		Present Activity: DRILG											
Contractor: NABORS			Rig: NABORS 924			Report Number: 42											
Drilling Mud Supplier: MI				Report For Contract Supervisor:													
MUD VOLUME (BBL)																	
Hole: w/ DP		Hole: w/o DP: #####		Pits: 800		Total Circ. Vol.: 800		Storage:		Type: POLY/GEL							
CIRCULATING DATA																	
Bbl/Min: 8.9		Gal/Min: 373		Annual Vel. (Ft./Min)		DP: #####		DC: #####									
Circulation Pressure (PSI): 1,200			Bottoms Up Time (Min): #####			Total Circ. Time (Min.): 90.2											
Current Mud Properties				Mud Property Specifications													
Sample From: SUC		Wt:		Viscosity:		Filtrate:											
Time Sample Taken: 14:30		Mud Contains		Recommended Treatment													
Flowline Temperature (Deg. F): 90																	
Depth (ft): 9,967'																	
Weight (ppg): 9.20																	
Funnel Vis.(sec./qt.) API: 85 Deg. F: 34				CONFIDENTIAL													
Plastic Viscosity cp @ 85 Deg. F: 7																	
Yield Point (lb/100 sq. ft.): 5																	
Gel Strength (lb/100 sq. ft.) 10 sec/10 min.: 2/5/6																	
Filtrate API (cc/30 min.): 12.0																	
HTHP @ Deg. F PSI																	
Cake Thickness (32nd in API/HTHP): 1																	
Solids Content (% by vol.) Retort: 4.5																	
Oil Content (% by vol.) Retort																	
Water Content (% by vol.) Retort: 95.5																	
Sand Content (% by vol.): TR																	
Methylene Blue Capacity (lb/bbl. equiv.)																	
PH Meter @ 55 Deg. F: 8.0				EQUIPMENT													
Alkalinity Mud (Pm): 0.30				Size		Hrs/Tour		Cost Data									
Alkalinity Filtrate (pf/Mf): .3/7.2				Centrifuge				Daily Cost: \$2,464									
Carbonate Determination (mg/1000 cc)				Degasser													
Chloride (mg/1000 cc): 1,000				Desander													
Calcium (mg/1000 cc) /Mag (mg/1000 cc): 120				Desilter				Cumulative: \$66,628									
Bentonite (lb/bbl.): -2.93				Shaker													
Solids % High Gravity / % Low Gravity: 1.9% / 2.6%				Other													
Solids % Drill Solids / % Bentonite: 2.9% / -0.3%				Other													
Corrected Solids/Corrected Saltwater: 4.5% / 95.5%				Other													
DAPP (lbs/bbl): 6.2				Other													
Remarks:																	
Drilling Fluids Rep.: TOM RICE				Home Address:				Phone: 435-789-3107									
Mud or Consulting Co.: MI				Warehouse Location: VERNAL				Phone: 435-722-2466									
Mud Chemical Inventory																	
Units	SX	SX	SX	SX	SX	SX	SX	5 GAL	SX	SX	SX	SX	SX	SX	DRUM	DAY	
Cost/Unit	13.37	11.46	9.26	5.52	10.87	16.22	11.60	64.79	162.32	18.48	58.28	3.75	8.08	20.00		461.97	
Description	DAPP	PAPER	DUROGEL	MI BAR	MARBLE WHITE	MAXI SEAL	MICA MEDIUM	POLY PLUS	POLY PAC	SALT DRILL	SAPP	SAWDUST	SODA ASH	SODIUM BICARB	KLA GUARD B	ENGINEERING	
Starting Inventory	169	56	406	680	90	205	70	47	57	39	51	33	96	0	4	0	35
Received																	
Used Last 24 Hours				40					12	16							
Closing Inventory	169	56	406	640	90	205	70	47	45	23	51	33	96	0	4	0	35
Time Distribution:	Drilling:			Trip:			CCM:			Other:							
Circulating Information:	n:			K:			Type of Flow:			ECD:							
Profit Center:	AFE:			Drilling Rep:			MARK F BARNES										
Field:	WILDCAT			Lease:			GATE CANYON STATE 31-			Well No.: 1		Date: 9-Feb-04					

INTANGIBLES				Daily	Cum
830.001 Surveying & Permits				0	0
830.006 Rig Mob/Demob				0	0
830.007 Drilling Cost				11,000	377,354
830.009 Fuel/Power				0	81,092
830.010 Rental Tools and Equipment				1,570	53,315
MUD MOTOR	1,000	FLARE LINE W/IGNITOR	65		
XO SUB	20	EPOCH	235		
TELEDRFT					
GAS BUSTER				125	
POWER CHOKE				125	
830.011 Directional Tools, Surveys, & Services				0	0
830.012 Fishing Tools & Services				0	6,700
830.013 Bits, Stabilizers				0	77,320
830.014 Drilling Mud & Chemicals				5,361	71,989
830.015 Mud System Equipment Rental				225	5,130
830.016 Casing Crews & Tools				0	9,698
830.017 Casing Hardware (Non-Salvageable)				0	0
830.018 Cement & Cement Services				0	49,969
830.021 Mud Logging				775	23,250
830.020/830.023 Open Hole Logging and Coring				0	0
830.029 Pipe/Tubing Inspection and Testing				0	4,066
830.035 Fluids/Cuttings Disposal				0	0
830.036 Transportation - Tugs/Boats/Barges/Air				0	0
830.037 Dock Services / Trucking				655	7,840
830.038 Communication				20	660
830.019 Contract Labor				1,732	12,952
830.039 Wellsite Supervision				825	29,700
830.040 Overhead Expense - Administration (Office) & Eng				0	0
830.041 Insurance				0	0
830.043 Misc & Unforeseen (Includes General Supplies)				0	19,615
830.005 Water Well or Supply (potable Water)				0	19,779
830.042 Plug & Abandon				0	0
830.044 Rihg Site Housing				0	6,900
830.043 Contingency @ 10 %				2,216	85,733
830.058 Parish and State Taxes @ 7 %				1,551	60,013
TOTAL INTANGIBLE				25,931	1,003,073

TANGIBLE

850.010 Caisson				0	0
850.010 Drive Pipe				0	0
850.010 Conductor Casing				0	0
850.020 Surface Casing				0	42,120
850.030 Intermediate Casing				0	0
850.060 Drilling Liners				0	0
850.051 Subsurface Equipment & Hardware				0	0
850.050 Wellhead Equipment and Trees				0	630
				0	0
				0	0
				0	0
				0	0
Contingency @				0	0
850.058 Parish and State Taxes @ 7 %				0	2,993
TOTAL TANGIBLE				0	45,743
Total Daily Field Estimate				25,931	
Days on Location: 42				Total Cumulative Field Estimate 1,048,816	
Rig: NABORS 924		Well No.: 1		Prepared By: MARK F BARNES	
Field: WILDCAT		Lease: CANYON STATE 31-2		AFE No:	
				Date THRU: 2/10/2004	

Spud Date: 12/31/2003		MD (ft): 9,905'		TVD: 9,905'		Present Activity: DRILG											
Contractor: NABORS			Rig: NABORS 924			Report Number: 42											
Drilling Mud Supplier: MI				Report For Contract Supervisor:													
MUD VOLUME (BBL)																	
Hole: w/ DP		Hole: w/o DP: #####		Pits: 800		Total Circ. Vol.: 800		Storage:		Type: POLY/GEL							
CIRCULATING DATA																	
Bbl/Min: 8.9		Gal/Min: 373		Annual Vel. (Ft./Min)		DP: #####		DC: #####									
Circulation Pressure (PSI): 1,200			Bottoms Up Time (Min): #####			Total Circ. Time (Min.): 90.2											
Current Mud Properties				Mud Property Specifications													
Sample From: SUC			Wt:		Viscosity:		Filtrate:										
Time Sample Taken: 16:00			Mud Contains		Recommended Treatment												
Flowline Temperature (Deg. F): 70																	
Depth (ft): 9,900'																	
Weight (ppg): 9.30																	
Funnel Vis.(sec./qt.) API: 70 Deg. F		36		CONFIDENTIAL													
Plastic Viscosity cp @ 70 Deg. F		10															
Yield Point (lb/100 sq. ft.): 5																	
Gel Strength (lb/100 sq. ft.) 10 sec/10 min.: 3/5/9																	
Filtrate API (cc/30 min.): 12.2																	
HTHP @ Deg. F PSI																	
Cake Thickness (32nd in API/HTHP): 1																	
Solids Content (% by vol.) Retort: 4.8																	
Oil Content (% by vol.) Retort																	
Water Content (% by vol.) Retort: 95.2																	
Sand Content (% by vol.): TR																	
Methylene Blue Capacity (lb/bbl. equiv.)																	
PH Meter @ 55 Deg. F: 7.5			EQUIPMENT					Cost Data									
Alkalinity Mud (Pm): 0.30			Size		Hrs/Tour												
Alkalinity Filtrate (pf/Mf): .3/7.1			Centrifuge				Daily Cost: \$5,361										
Carbonate Determination (mg/1000 cc)			Degasser														
Chloride (mg/1000 cc): 500			Desander														
Calcium (mg/1000 cc) /Mag (mg/1000 cc): 120			Desilter														
Bentonite (lb/bbl.): -2.72			Shaker				Cumulative: \$71,989										
Solids % High Gravity / % Low Gravity: 2.4% / 2.4%			Other														
Solids % Drill Solids / % Bentonite: 2.7% / -0.3%			Other														
Corrected Solids/Corrected Saltwater: 4.8% / 95.2%			Other														
DAPP (lbs/bbl): 5.7			Other														
Remarks:																	
Drilling Fluids Rep.: TOM RICE			Home Address:			Phone: 435-789-3107											
Mud or Consulting Co.: MI			Warehouse Location: VERNAL			Phone: 435-722-2466											
Mud Chemical Inventory																	
Units	SX	SX	SX	SX	SX	SX	SX	5 GAL	SX	SX	SX	SX	SX	SX	DRUM	SX	DAY
Cost/Unit	13.37	11.46	9.26	5.52	10.87	16.22	11.60	64.79	162.32	18.48	58.28	3.75	8.08	20.00		20.00	461.97
Description	DAPP	PAPER	DUROGEL	MI BAR	MARBLE WHITE	MAXI SEAL	MICA MEDIUM	POLY PLUS	POLY PAC	SALT DRILL	SAPP	SAWDUST	SODA ASH	SODIUM BICARB	KLA GUARD B	DUO VIS	ENGINEERING
Starting Inventory	169	56	406	640	90	205	70	47	45	23	51	33	96	0	4	42	35
Received	80			360				128	105								
Used Last 24 Hours	10			40	35			22	19		2						
Closing Inventory	239	56	406	960	55	205	70	153	131	23	49	33	96	0	4	42	35
Time Distribution:	Drilling:			Trip:			CCM:			Other:							
Circulating Information:		n:		K:		Type of Flow:			ECD:								
Profit Center:			AFE:			Drilling Rep:			MARK F BARNES								
Field: WILDCAT			Lease: GATE CANYON STATE 31-			Well No.: 1			Date: 10-Feb-04								

Meas' red Depth: 9,981'		TVD: 9,981'		PBD:		Proposed MD: 11,760'		Proposed TVD: 11,760'	
DOL: 44	DFS: 43	Spud Date: 31-Dec-03		Daily Footage: 76'		Daily Rot Hrs: 22		Total Rot Hrs: 35	
Torque:	Drag:	Rot Wt:	P/U Weight:	S/O Wt.	Wind: 35	Seas: W	Bar: 29.55	POB:	
Last Casing Size: 9 5/8		Set At: 3,117'		TVD 3,117'		Shoe Test: 11.88		Leakoff? Y N <input checked="" type="checkbox"/>	
Cum Rot Hrs on Casing:		Cum Rot Hrs on Casing Since Last Caliper:		Depth Worst Wear:		% Remaining:			
Liner Size:		Set At: TVD		Liner Top At: MD		TVD			
Mud Co: MI	Type: POLY/GEL	Sample From: SUC		Wt: 9.4	FV: 35	PV: 9	YP: 6	Gel: 3/5/11	
WL API: 12.6	HTHP:	FC(1/32) API/HTHP: 1		Solids: 5.00	% Oil:	% Water: 95.0	% Sand: TR	MBT:	pH: 8.0
Pm: 0.40	Pf/Mf: .4/7.2	Carb:	Cl: 500	Ca/Ma: 120	Bent: -2.32	Solids % HG/LG: 3.0% / 2.0%		% DS/Bent: 2.3% / -0.3%	
Engr Service		Materials added last 24 hrs:							

THIS RISE SEC-21 API# 43-013-32391

Drig Gas: 25		Max Gas: 95		Conn. Gas: 32		Trip Gas: 145		Trip Cl:		Remarks:			
Bit No.	IADC	Size	Manufacturer	Serial Number	Type	Jets		TFA	MD In	MD Out	TVD Out		
12	747	7 7/8"	RTC	T38630	HP74	22	22	22	0	1.1137	9,874'	9,981'	9,981'
13	817	7.875"	HC		EH81RS	22	22	22	0	1.1137	9,981'		
Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Dull Char	Reason Pulled	Cost/Ft	
107'	35.00	30-35	105-125										
0'		16-18	60-110										

Total Length of BHA: 778' BHA Description: BIT, MUD-MOTOR, TELE DRIFT, 24-6" DC's

										DC Size: 6 3/8"	DP Size: 4 1/2"	
Pump	Liner	Stroke	BBL/STK	SPM	Pressure	GPM	Jet Vel	DP AV	DC AV	Bit HHP	BHHP/SQ. IN.	Pump HHP
1	6.5	11	0.102	87	1,200	373	107	#####	#####	21	#VALUE!	261
2	5.5	10	0.074	86	1,347	265	76	#####	#####	11	#VALUE!	209

Survey MD	TVD	Angle	Direction	N/S Coordinate	E/W Coordinate	Vertical Section	DLS
	8914'	2°					
	9491	1.5°					

Hrs.	(From-To) hh:mm	Operations Covering 24 Hours Ending at 06:00 Hours									
18:00	06:00 - 24:00	DRILLING AHEAD									
01:30	00:00 - 01:30	DRILLING AHEAD									
00:45	01:30 - 02:15	FLOOR ENGINE DIED									
03:15	02:15 - 05:30	DRILLING AHEAD									
00:30	05:30 - 06:00	POOH FOR NEW BIT									
	-										
	-										
	-										
	-										
	-										
	-										
	-										
	-										
	-										
	-										

CONFIDENTIAL

E & S Summary:

Days Since Last: Lost Time Accident: OSHA Rec.: MMS INCs: Spill:

Last BOP Test: 1/22/04 Next BOP Test: RKB - MSL: 14' Water Depth:

24 Hr Forecast: POOH TO CHANGE BIT RESUME DRILLING AFTER CHG

Drill Tech: Accidents:

Daily Mud Cost: \$2,896 Daily Tangible Cost: Daily Well Cost: \$26,249 AFE Number:

Cum Mud Cost: \$74,885 Cum Tangible Cost: \$45,743 Cum Well Cost: \$1,075,065 Total Appr:

Drill Water: Potable Water: Fuel: Bulk Wt: Cement> Neat: Blended:

Profit Center: Rig: NABORS 924 Rig Phone: 435-823-4272 Drilling Rep: MARK F BARNES

Field: WILDCAT Lease: GATE CANYON STATE 31-21-11-15 Well #: 1 Date: 11-Feb-04

INTANGIBLES				Daily	Cum
830.001 Surveying & Permits				0	0
830.006 Rig Mob/Demob				0	0
830.007 Drilling Cost		RIG DAY RATE	11,000	11,000	388,354
830.009 Fuel/Power				0	81,092
830.010 Rental Tools and Equipment			1,570	1,570	54,885
MUD MOTOR	1,000	FLARE LINE W/IGNITOR 65			
XO SUB	20	EPOCH 235			
TELEDRFT					
GAS BUSTER		125			
POWER CHOKE		125			
830.011 Directional Tools, Surveys, & Services				0	0
830.012 Fishing Tools & Services			0	0	6,700
830.013 Bits, Stabilizers		RTC HP74 BIT		0	77,320
830.014 Drilling Mud & Chemicals		MI	2,896	2,896	74,885
830.015 Mud System Equipment Rental		MUD CLEANER	225	225	5,355
830.016 Casing Crews & Tools				0	9,698
830.017 Casing Hardware (Non-Salvageable)				0	0
830.018 Cement & Cement Services				0	49,969
830.021 Mud Logging		COLUMBINE LOGGING SERVICE	775	775	24,025
830.020/830.023 Open Hole Logging and Coring				0	0
830.029 Pipe/Tubing Inspection and Testing				0	4,066
830.035 Fluids/Cuttings Disposal				0	0
830.036 Transportation - Tugs/Boats/Barges/Air				0	0
830.037 Dock Services / Trucking		CIRCLE D TRASH HAUL		0	7,840
830.038 Communication		RIG PHONE AND INTERCOMS (MOUNTAIN WEST INC.)	20	20	680
830.019 Contract Labor				0	12,952
830.039 Wellsite Supervision		NEW TECH ENGINEERING	825	825	30,525
830.040 Overhead Expense - Administration (Office) & Eng				0	0
830.041 Insurance				0	0
830.043 Misc & Unforeseen (Includes General Supplies)		LINERS AND SWABS (6.5")		0	19,615
830.005 Water Well or Supply (potable Water)		JIM NEBEKER TRUCKING DRILL WATER	5,124	5,124	24,903
830.042 Plug & Abandon				0	0
830.044 Rihg Site Housing		MOUNTAIN WEST INC.		0	6,900
830.043 Contingency @ 10 %			2,244	2,244	87,976
830.058 Parish and State Taxes @ 7 %			1,570	1,570	61,583
TOTAL INTANGIBLE				26,249	1,029,323

TANGIBLE

850.010 Caisson				0	0
850.010 Drive Pipe				0	0
850.010 Conductor Casing				0	0
850.020 Surface Casing		9.625 @ \$12.98/FT 3245'		0	42,120
850.030 Intermediate Casing				0	0
850.060 Drilling Liners				0	0
850.051 Subsurface Equipment & Hardware				0	0
850.050 Wellhead Equipment and Trees			0	0	630
				0	0
				0	0
				0	0
				0	0
Contingency @				0	0
850.058 Parish and State Taxes @ 7 %			0	0	2,993
TOTAL TANGIBLE				0	45,743
Total Daily Field Estimate				26,249	
Days on Location: 44		Total Cumulative Field Estimate		1,075,065	
Rig: NABORS 924	Well No.: 1	Prepared By: MARK F BARNES			
Field: WILDCAT	Lease: CANYON STATE 31-2	AFE No:	Date THRU: 2/11/2004		

Spud Date: 12/31/2003		MD (ft): 9,981'		TVD: 9,981'		Present Activity: DRILG											
Contractor: NABORS			Rig: NABORS 924			Report Number: 44											
Drilling Mud Supplier: MI				Report For Contract Supervisor:													
MUD VOLUME (BBL)																	
Hole: w/ DP		Hole: w/o DP: #####		Pits: 800		Total Circ. Vol.: 800		Storage:		Type: POLY/GEL							
CIRCULATING DATA																	
Bbl/Min: 8.9		Gal/Min: 373		Annual Vel. (Ft./Min)		DP: #####		DC: #####									
Circulation Pressure (PSI): 1,200			Bottoms Up Time (Min): #####			Total Circ. Time (Min.): 90.2											
Current Mud Properties				Mud Property Specifications													
Sample From: SUC		Wt:		Viscosity:		Filtrate:											
Time Sample Taken: 14:00		Mud Contains		Recommended Treatment													
Flowline Temperature (Deg. F): 95																	
Depth (ft): 9,929'																	
Weight (ppg): 9.40				CONFIDENTIAL													
Funnel Vis.(sec./qt.) API 95 Deg. F: 35																	
Plastic Viscosity cp @ 95 Deg. F: 9																	
Yield Point (lb/100 sq. ft.): 6																	
Gel Strength (lb/100 sq. ft.) 10 sec/10 min.: 3/5/11																	
Filtrate API (cc/30 min.): 12.6																	
HTHP @ 55 Deg. F PSI: 8.0																	
Cake Thickness (32nd in API/HTHP): 1																	
Solids Content (% by vol.) Retort: 5.0																	
Oil Content (% by vol.) Retort:																	
Water Content (% by vol.) Retort: 95.0																	
Sand Content (% by vol.): TR																	
Methylene Blue Capacity (lb/bbl. equiv.):																	
PH Meter @ 55 Deg. F: 8.0		EQUIPMENT				Cost Data											
Alkalinity Mud (Pm): 0.40		Size		Hrs/Tour													
Alkalinity Filtrate (pf/Mf): .4/7.2		Centrifuge															
Carbonate Determination (mg/1000 cc):		Degasser															
Chloride (mg/1000 cc): 500		Desander															
Calcium (mg/1000 cc) /Mag (mg/1000 cc): 120		Desilter															
Bentonite (lb/bbl.): -2.32		Shaker															
Solids % High Gravity / % Low Gravity: 3.0% / 2.0%		Other															
Solids % Drill Solids / % Bentonite: 2.3% / -0.3%		Other															
Corrected Solids/Corrected Saltwater: 5.0% / 95.0%		Other															
DAPP (lbs/bbl): 6.1		Other															
Remarks:																	
Drilling Fluids Rep.: TOM RICE				Home Address:		Phone: 435-789-3107											
Mud or Consulting Co.: MI				Warehouse Location: VERNAL		Phone: 435-722-2466											
Mud Chemical Inventory																	
Units	SX	SX	SX	SX	SX	SX	SX	5 GAL	SX	SX	SX	SX	SX	SX	DRUM	SX	DAY
Cost/Unit	13.37	11.46	9.26	5.52	10.87	16.22	11.60	64.79	162.32	18.48	58.28	3.75	8.08	20.00		20.00	461.97
Description	DAPP	PAPER	DUROGEL	MI BAR	MARBLE WHITE	MAXI SEAL	MICA MEDIUM	POLY PLUS	POLY PAC	SALT DRILL	SAPP	SAWDUST	SODA ASH	SODIUM BICARB	KLA GUARD B	DUO VIS	ENGINEERING
Starting Inventory	239	56	406	960	55	205	70	153	131	23	49	33	96	0	4	42	35
Received																	
Used Last 24 Hours	25				25			11	9		2						
Closing Inventory	214	56	406	960	30	205	70	142	122	23	47	33	96	0	4	42	35
Time Distribution:	Drilling:			Trip:			CCM:			Other:							
Circulating Information:		n:		K:		Type of Flow:			ECD:								
Profit Center:				AFE:				Drilling Rep: MARK F BARNES									
Field: WILDCAT		Lease: GATE CANYON STATE 31-			Well No.: 1			Date: 11-Feb-04									

027

GASCO ENERGY INC

1

Drilling Activity Report

Ver.6-13-01

Measured Depth:	10,000'	TVD:	10,000'	PBTD:		Proposed MD:	11,760'	Proposed TVD:	11,760'								
DOL:	45	DFS:	44	Spud Date:	31-Dec-03	Daily Footage:	19'	Daily Rot Hrs:	12	Total Rot Hrs:	12						
Torque:		Drag:	8	Rot Wt:	232	P/U Weight:	240	S/O Wt:	225	Wind:	35	Seas:	W	Bar:	29.55	POB:	
Last Casing Size:	9 5/8	Set At:	3,117'	TVD	3,117'	Shoe Test:	11.88	Leakoff?	Y	N	<input checked="" type="checkbox"/>						
Cum Rot Hrs on Casing:		Cum Rot Hrs on Casing Since Last Caliper:		Depth Worst Wear:		% Remaining:											
Liner Size:		Set At:	TVD	Liner Top At:	MD	TVD											
Mud Co:	MI	Type:	POLY/GEL	Sample From:	SUC	Wt:	9.3+	FV:	37	PV:	11	YP:	6	Gel:	3/6/9		
WL API:	12.4	HTHP:	FC(1/32) API/HTHP:	1	Solids:	5.00	% Oil:		% Water:	95.0	% Sand:	0.12	MBT:		pH:	7.6	
Pm:	0.20	Pf/Mf:	.2/6.8	Carb:		Cl:	700	Ca/Ma:	120	Bent:	-3.19	Solids % HG/LG:	2.2% / 2.8%	% DS/Bent:	3.2% / -0.4%		
Engr Service	Materials added last 24 hrs:																

TIH RISE SEC-21 API# 43-013-39391

Drig Gas:	15	Max Gas:	18	Conn. Gas:	20	Trip Gas:	188	Trip Cl:		Remarks:			
Bit No.	IADC	Size	Manufacturer	Serial Number	Type	Jets			TFA	MD In	MD Out	TVD Out	
12	747	7 7/8"	RTC	T38630	HP74	22	22	22	0	1.1137	9,874'	9,981'	9,981'
13	817	7.875"	HC	5046869	EH81RS	22	22	22	0	1.1137	9,981'		
Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Dull Char	Reason Pulled	Cost/Ft	
107'	35.00	30-35	105-125	2	1	NO	N	3	2		PR/HR		
19'	12.00	16-18	60-110										

Total Length of BHA: 778' BHA Description: BIT, MUD-MOTOR, TELE DRIFT, 24-6" DC's

										DC Size:	6 3/8"	DP Size:	4 1/2"
Pump	Liner	Stroke	BBU/STK	SPM	Pressure	GPM	Jet Vel	DP AV	DC AV	Bit HHP	BHHP/SQ. IN.	Pump HHP	
1	6.5	11	0.102	87	1,200	373	107	#####	#####	#VALUE!	#VALUE!	261	
2	5.5	10	0.074	110	1,347	340	98	#####	#####	#VALUE!	#VALUE!	267	

Survey MD	TVD	Angle	Direction	N/S Coordinate	E/W Coordinate	Vertical Section	DLS
	8914'	2°					
	9491	1.5°					

Hrs.	(From -To) hh:mm	Operations Covering 24 Hours Ending at 06:00 Hours
00:30	06:00	06:30 PUMP SLUG AND SETBACK KELLY
04:30	06:30	11:00 POOH
00:30	11:00	11:30 MAKE UP NEW BIT
01:00	11:30	12:30 RIG SERVICE AND WORK ON HYDROMATIC
05:30	12:30	18:00 TIH TO BOTTOM
06:00	18:00	24:00 DRILLING AHEAD
06:00	00:00	06:00 DRILLING AHEAD
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

CONFIDENTIAL

E & S Summary:

Days Since Last: Lost Time Accident: OSHA Rec.: MMS INCs: Spill:

Last BOP Test: 1/22/04 Next BOP Test: RKB - MSL: 14' Water Depth:

24 Hr Forecast: DRILLING

Daily Mud Cost:	\$919	Daily Tangible Cost:		Daily Well Cost:	\$41,912	AFE Number:	
Cum Mud Cost:	\$75,803	Cum Tangible Cost:	\$45,743	Cum Well Cost:	\$1,116,977	Total Appr:	
Drill Water:	Potable Water:	Fuel:	Bulk Wt:	Cement> Neat:	Blended:		
Profit Center:	Rig:	NABORS 924	Rig Phone:	435-823-4272	Drilling Rep:	MARK F BARNES	
Field:	WILDCAT	Lease:	GATE CANYON STATE 31-21-11-	Well #:	15	Date:	12-Feb-04

INTANGIBLES				Daily	Cum
830.001 Surveying & Permits				0	0
830.006 Rig Mob/Demob				0	0
830.007 Drilling Cost				11,000	399,354
830.009 Fuel/Power				8,865	89,956
830.010 Rental Tools and Equipment				1,570	56,455
MUD MOTOR	1,000	FLARE LINE W/IGNITOR	65		
XO SUB	20	EPOCH	235		
TELEDRFT					
GAS BUSTER				125	
POWER CHOKE				125	
830.011 Directional Tools, Surveys, & Services				0	0
830.012 Fishing Tools & Services				0	6,700
830.013 Bits, Stabilizers				6,500	83,820
830.014 Drilling Mud & Chemicals				919	75,803
830.015 Mud System Equipment Rental				225	5,580
830.016 Casing Crews & Tools				0	9,698
830.017 Casing Hardware (Non-Salvageable)				0	0
830.018 Cement & Cement Services				0	49,969
830.021 Mud Logging				775	24,800
830.020/830.023 Open Hole Logging and Coring				0	0
830.029 Pipe/Tubing Inspection and Testing				0	4,066
830.035 Fluids/Cuttings Disposal				0	0
830.036 Transportation - Tugs/Boats/Barges/Air				0	0
830.037 Dock Services / Trucking				0	7,840
830.038 Communication				20	700
830.019 Contract Labor				0	12,952
830.039 Wellsite Supervision				825	31,350
830.040 Overhead Expense - Administration (Office) & Eng				0	0
830.041 Insurance				0	0
830.043 Misc & Unforeseen (Includes General Supplies)				0	19,615
830.005 Water Well or Supply (potable Water)				5,124	30,027
830.042 Plug & Abandon				0	0
830.044 Rihg Site Housing				0	6,900
830.043 Contingency @ 10 %				3,582	91,559
830.058 Parish and State Taxes @ 7 %				2,508	64,091
TOTAL INTANGIBLE				41,912	1,071,235

TANGIBLE

850.010 Caisson				0	0
850.010 Drive Pipe				0	0
850.010 Conductor Casing				0	0
850.020 Surface Casing				0	42,120
850.030 Intermediate Casing				0	0
850.060 Drilling Liners				0	0
850.051 Subsurface Equipment & Hardware				0	0
850.050 Wellhead Equipment and Trees				0	630
				0	0
				0	0
				0	0
				0	0
Contingency @				0	0
850.058 Parish and State Taxes @ 7 %				0	2,993
TOTAL TANGIBLE				0	45,743
Total Daily Field Estimate				41,912	
Days on Location: 45				Total Cumulative Field Estimate 1,116,977	
Rig: NABORS 924		Well No.: 1		Prepared By: MARK F BARNES	
Field: WILDCAT		Lease: CANYON STATE 31-2		Date THRU: 2/12/2004	

Spud Date: 12/31/2003		MD (ft): 10,000'		TVD: 10,000'		Present Activity: DRILG											
Contractor: NABORS			Rig: NABORS 924			Report Number: 45											
Drilling Mud Supplier: MI				Report For Contract Supervisor:													
MUD VOLUME (BBL)																	
Hole: w/ DP		Hole: w/o DP: #####		Pits: 800		Total Circ. Vol.: 800		Storage:		Type: POLY/GEL							
CIRCULATING DATA																	
Bbl/Min: 8.9		Gal/Min: 373		Annual Vel. (Ft./Min)		DP: #####		DC: #####									
Circulation Pressure (PSI): 1,200			Bottoms Up Time (Min): #####			Total Circ. Time (Min.): 90.2											
Current Mud Properties				Mud Property Specifications													
Sample From: SUC			Wt:		Viscosity:		Filtrate:										
Time Sample Taken: 9:00			Mud Contains		Recommended Treatment												
Flowline Temperature (Deg. F): 98°																	
Depth (ft): 9,981'																	
Weight (ppg): 9.3+																	
Funnel Vis.(sec./qt.) API: 95 Deg. F		37															
Plastic Viscosity cp @ 95 Deg. F		11				CONFIDENTIAL											
Yield Point (lb/100 sq. ft.): 6																	
Gel Strength (lb/100 sq. ft.) 10 sec/10 min.: 3/6/9																	
Filtrate API (cc/30 min.): 12.4																	
HTHP @ Deg. F PSI																	
Cake Thickness (32nd in API/HTHP): 1																	
Solids Content (% by vol.) Retort: 5.0																	
Oil Content (% by vol.) Retort:																	
Water Content (% by vol.) Retort: 95.0																	
Sand Content (% by vol.): 0.12																	
Methylene Blue Capacity (lb/bbl. equiv.):																	
PH Meter @ 55 Deg. F: 7.6																	
Alkalinity Mud (Pm): 0.20																	
Alkalinity Filtrate (pf/Mf): .2/6.8																	
Carbonate Determination (mg/1000 cc):																	
Chloride (mg/1000 cc): 700																	
Calcium (mg/1000 cc) /Mag (mg/1000 cc): 120																	
Bentonite (lb/bbl.): -3.19																	
Solids % High Gravity / % Low Gravity: 2.2% / 2.8%																	
Solids % Drill Solids / % Bentonite: 3.2% / -0.4%																	
Corrected Solids/Corrected Saltwater: 5.0% / 95.0%																	
DAPP (lbs/bbl): 5.6																	
Remarks:																	
Drilling Fluids Rep.: TOM RICE				Home Address:				Phone: 435-789-3107									
Mud or Consulting Co.: MI				Warehouse Location: VERNAL				Phone: 435-722-2466									
Mud Chemical Inventory																	
Units	SX	SX	SX	SX	SX	SX	SX	5 GAL	SX	SX	SX	SX	SX	SX	DRUM	SX	DAY
Cost/Unit	13.37	11.46	9.26	5.52	10.87	16.22	11.60	64.79	162.32	18.48	58.28	3.75	8.08	20.00		20.00	461.97
Description	DAPP	PAPER	DUROGEL	MI BAR	MARBLE WHITE	MAXI SEAL	MICA MEDIUM	POLY PLUS	POLY PAC	SALT DRILL	SAPP	SAWDUST	SODA ASH	SODIUM BICARB	KLA GUARD B	DUO VIS	ENGINEERING
Starting Inventory	214	56	406	960	30	205	70	142	122	23	47	33	96	0	4	42	35
Received																	
Used Last 24 Hours		3	12	5				9	1								
Closing Inventory	214	53	394	955	30	205	70	133	121	23	47	33	96	0	4	42	35
Time Distribution:	Drilling:			Trip:			CCM:			Other:							
Circulating Information:	n:			K:			Type of Flow:			ECD:							
Profit Center:	AFE:			Drilling Rep:			MARK F BARNES										
Field:	WILDCAT			Lease:			GATE CANYON STATE 31-			Well No.: 1			Date: 12-Feb-04				

INTANGIBLES				Daily	Cum
830.001 Surveying & Permits				0	0
830.006 Rig Mob/Demob				0	0
830.007 Drilling Cost		RIG DAY RATE		11,000	421,354
830.009 Fuel/Power				0	89,956
830.010 Rental Tools and Equipment				3,760	63,975
MUD MOTOR	3,190	FLARE LINE W/IGNITOR	65		
XO SUB	20	EPOCH	235		
TELEDRFT					
GAS BUSTER				125	
POWER CHOKE				125	
830.011 Directional Tools, Surveys, & Services				0	0
830.012 Fishing Tools & Services				0	6,700
830.013 Bits, Stabilizers		HRP-88 (817)		0	83,820
830.014 Drilling Mud & Chemicals		MI		2,464	79,787
830.015 Mud System Equipment Rental		MUD CLEANER		225	6,030
830.016 Casing Crews & Tools				0	9,698
830.017 Casing Hardware (Non-Salvageable)				0	0
830.018 Cement & Cement Services				0	49,969
830.021 Mud Logging		COLUMBINE LOGGING SERVICE		775	26,350
830.020/830.023 Open Hole Logging and Coring				0	0
830.029 Pipe/Tubing Inspection and Testing				0	4,066
830.035 Fluids/Cuttings Disposal				0	0
830.036 Transportation - Tugs/Boats/Barges/Air				0	0
830.037 Dock Services / Trucking		CIRCLE D TRASH HAUL		0	7,840
830.038 Communication		RIG PHONE AND INTERCOMS (MOUNTAIN WEST INC.)		20	740
830.019 Contract Labor				0	12,952
830.039 Wellsite Supervision		NEW TECH ENGINEERING		825	33,000
830.040 Overhead Expense - Administration (Office) & Eng				0	0
830.041 Insurance				0	0
830.043 Misc & Unforeseen (Includes General Supplies)		LINERS AND SWABS (6.5")		0	19,615
830.005 Water Well or Supply (potable Water)		JIM NEBEKER TRUCKING DRILL WATER		0	24,903
830.042 Plug & Abandon				0	0
830.044 Rihg Site Housing		MOUNTAIN WEST INC.		0	6,900
830.043 Contingency @		10 %		1,907	94,765
830.058 Parish and State Taxes @		7 %		1,335	66,336
TOTAL INTANGIBLE				22,311	1,108,756

TANGIBLE

850.010 Caisson				0	0
850.010 Drive Pipe				0	0
850.010 Conductor Casing				0	0
850.020 Surface Casing		9.625 @ \$12.98/FT 3245'		0	42,120
850.030 Intermediate Casing				0	0
850.060 Drilling Liners				0	0
850.051 Subsurface Equipment & Hardware				0	0
850.050 Wellhead Equipment and Trees				0	630
				0	0
				0	0
				0	0
				0	0
Contingency @				0	0
850.058 Parish and State Taxes @		7 %		0	2,993
TOTAL TANGIBLE				0	45,743
Total Daily Field Estimate				22,311	
Days on Location:		47		Total Cumulative Field Estimate	
				1,154,498	
Rig:	NABORS 924	Well No.:	1	Prepared By:	MARK F BARNES
Field:	WILDCAT	Lease:	CANYON STATE 31-2	AFE No.:	
				Date THRU:	2/14/2004

Spud Date: 12/31/2003		MD (ft): 10,285'		TVD: 10,285'		Present Activity: DRILG											
Contractor: NABORS			Rig: NABORS 924			Report Number: 47											
Drilling Mud Supplier: MI				Report For Contract Supervisor:													
MUD VOLUME (BBL)																	
Hole: w/ DP		Hole: w/o DP: #####		Pits: 800		Total Circ. Vol.: 800		Storage:		Type: POLY/GEL							
CIRCULATING DATA																	
Bbl/Min: 8.9		Gal/Min: 373		Annual Vel. (Ft./Min)		DP: #####		DC: #####									
Circulation Pressure (PSI): 1,200			Bottoms Up Time (Min): #####			Total Circ. Time (Min.): 90.2											
Current Mud Properties					Mud Property Specifications												
Sample From: SUC					Wt:		Viscosity:			Filtrate:							
Time Sample Taken: 8:45					Mud Contains				Recommended Treatment								
Flowline Temperature (Deg. F): 108																	
Depth (ft): 10,144'					CONFIDENTIAL												
Weight (ppg): 9.30																	
Funnel Vis. (sec./qt.) API: 95 Deg. F		38															
Plastic Viscosity cp @ 95 Deg. F		12															
Yield Point (lb/100 sq. ft.): 8																	
Gel Strength (lb/100 sq. ft.) 10 sec/10 min.: 4/8/11																	
Filtrate API (cc/30 min.): 12.4																	
HTHP @ Deg. F		PSI															
Cake Thickness (32nd in API/HTHP): 1																	
Solids Content (% by vol.) Retort: 5.0																	
Oil Content (% by vol.) Retort:																	
Water Content (% by vol.) Retort: 95.0																	
Sand Content (% by vol.): 0.50																	
Methylene Blue Capacity (lb/bbl. equiv.):																	
PH Meter @ 55 Deg. F		7.8										EQUIPMENT					
Alkalinity Mud (Pm): 0.30					Size		Hrs/Tour			Cost Data							
Alkalinity Filtrate (pf/Mf): .3/7.0					Centrifuge					Daily Cost: \$2,464							
Carbonate Determination (mg/1000 cc)					Degasser												
Chloride (mg/1000 cc): 600					Desander												
Calcium (mg/1000 cc) /Mag (mg/1000 cc): 120					Desilter												
Bentonite (lb/bbl.): -3.18					Shaker					Cumulative: \$79,787							
Solids % High Gravity / % Low Gravity: 2.2% / 2.8%					Other												
Solids % Drill Solids / % Bentonite: 3.1% / -0.3%					Other												
Corrected Solids/Corrected Saltwater: 5.0% / 95.0%					Other												
DAPP (lbs/bbl): 6					Other												
Remarks:																	
Drilling Fluids Rep.: TOM RICE						Home Address:						Phone: 435-789-3107					
Mud or Consulting Co.: MI						Warehouse Location: VERNAL						Phone: 435-722-2466					
Mud Chemical Inventory																	
Units	SX	SX	SX	SX	SX	SX	SX	5 GAL	SX	SX	SX	SX	SX	SX	DRUM	SX	5 GAL
Cost/Unit	13.37	11.46	9.26	5.52	10.87	16.22	11.60	64.79	162.32	18.48	58.28	3.75	8.08	20.00	668.27	20.00	170.43
Description	DAPP	PAPER	DUROGEL	MI BAR	MARBLE WHITE	MAXI SEAL	MICA MEDIUM	POLY PLUS	POLY PAC	SALT DRILL	SAPP	SAWDUST	SODA ASH	SODIUM BICARB	KLA GUARD B	DUO VIS	GREENCIDE
Starting Inventory	184	53	394	955	25	205	70	125	118	23	46	33	96	0	4	42	22
Received				445												44	
Used Last 24 Hours					25			12	8		2						
Closing Inventory	184	53	394	1,400	0	205	70	113	110	23	44	33	96	0	4	86	22
Time Distribution:	Drilling:					Trip:			CCM:				Other:				
Circulating Information: n: K: Type of Flow: ECD:																	
Profit Center:						AFE:						Drilling Rep: MARK F BARNES					
Field: WILDCAT				Lease: GATE CANYON STATE 31-				Well No.: 1				Date: 14-Feb-04					

Measured Depth:	10,383'	TVD:	10,383'	PBTD:		Proposed MD:	11,760'	Proposed TVD:	11,760'								
DOL:	47	DFS:	46	Spud Date:	31-Dec-03	Daily Footage:	98'	Daily Rot Hrs:	22	Total Rot Hrs:	78						
Torque:		Drag:	4K	Rot Wt:	241	P/U Weight:	245	S/O Wt:	235	Wind:	25	Seas:	N/A	Bar:	29.55	POB:	
Last Casing Size:	9 5/8	Set At:	3,117'	TVD	3,117'	Shoe Test:	11.88	Leakoff?	Y	N	<input checked="" type="checkbox"/>						
Cum Rot Hrs on Casing:		Cum Rot Hrs on Casing Since Last Caliper:		Depth Worst Wear:		% Remaining:											
Liner Size:		Set At:	TVD	Liner Top At:	MD	TVD											
Mud Co:	MI	Type:	POLY/GEL	Sample From:	SUC	Wt:	9.2	FV:	40	PV:	15	YP:	10	Gel:	4/8/12		
WL API:	13.0	HTHP:	FC(1/32) API/HTHP:	1	Solids:	4.80	% Oil:		% Water:	95.2	% Sand:	0.50	MBT:		pH:	7.4	
Pm:	0.20	Pf/Mf:	.2/7.5	Carb:		Cl:	700	Ca/Ma:	120	Bent:	-3.59	Solids % HG/LG:	1.6% / 3.2%	% DS/Bent:	3.6% / -0.4%		
Engr Service	Materials added last 24 hrs:																

T115 RISE SEC-21 API# 43-013-32391

Drig Gas:	50	Max Gas:		Conn. Gas:	95	Trip Gas:		Trip Cl:		Remarks:			
Bit No.	IADC	Size	Manufacturer	Serial Number	Type	Jets			TFA	MD In	MD Out	TVD Out	
12	747	7 7/8"	RTC	T38630	HP74	22	22	22	0	1.1137	9,874'	9,981'	9,981'
13	817	7.875"	HC	5046869	EH81RS	22	22	22	0	1.1137	9,981'	10,383'	
Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Dull Char	Reason Pulled	Cost/Ft	
107'	35.00	30-35	105-125	2	1	NO	N	3	2		PR/HR		
402'	78.00	40-45	60-110										

Total Length of BHA: 778' BHA Description: BIT, MUD-MOTOR, TELE DRIFT, 24-6" DC's

										DC Size:	6 3/8"	DP Size:	4 1/2"
--	--	--	--	--	--	--	--	--	--	----------	--------	----------	--------

Pump	Liner	Stroke	BBL/STK	SPM	Pressure	GPM	Jet Vel	DP AV	DC AV	Bit HHP	BHHP/SQ. IN.	Pump HHP
1	6.5	11	0.102	87	1,200	373	107	#####	#####	21	#VALUE!	261
2	5.5	10	0.074	110	1,347	340	98	#####	#####	17	#VALUE!	267

Survey MD	TVD	Angle	Direction	N/S Coordinate	E/W Coordinate	Vertical Section	DLS
	8914'	2°					
	9491	1.5°					
	10383	1					

Hrs.	(From-To) hh:mm	Operations Covering 24 Hours Ending at 06:00 Hours
06:00	06:00 - 12:00	DRILLING AHEAD
00:30	12:00 - 12:30	RIG SERVICE
11:30	12:30 - 24:00	DRILLING AHEAD
05:30	00:00 - 05:30	DRILLING AHEAD
00:30	05:30 - 06:00	OFF BOTTOM CIRC WHILE BUILDING PILL, PUMP #1 DOWN DUE TO WASHOUT. PUMP # TWO HAVING VALVE PROBLEMS POSSIBLE RETAINER BROKEN, UNABLE TO DRILL CIRC WITH 50 STROKES TO SAVE PUMP
	-	
	-	
	-	
	-	
	-	
	-	
	-	
	-	
	-	

CONFIDENTIAL

E & S Summary:

Days Since Last: Lost Time Accident: OSHA Rec.: MMS INCs: Spill:

Last BOP Test: 1/22/04 Next BOP Test: RKB - MSL: 14' Water Depth:

24 Hr Forecast: DRILLING

Daily Mud Cost: \$3,777 Daily Tangible Cost: Daily Well Cost: \$29,181 AFE Number:

Cum Mud Cost: \$83,563 Cum Tangible Cost: \$45,743 Cum Well Cost: \$1,183,679 Total Appr:

Drill Water: Potable Water: Fuel: Bulk Wt: Cement Neat: Blended:

Profit Center: Rig: NABORS 924 Rig Phone: 435-823-4272 Drilling Rep: MARK F BARNES

Field: WILDCAT Lease: GATE CANYON STATE 31-21-11- Well #: 15 Date: 15-Feb-04

INTANGIBLES				Daily	Cum
830.001 Surveying & Permits				0	0
830.006 Rig Mob/Demob				0	0
830.007 Drilling Cost		RIG DAY RATE		11,000	432,354
830.009 Fuel/Power				0	89,956
830.010 Rental Tools and Equipment				3,760	67,735
MUD MOTOR	3,190	FLARE LINE W/IGNITOR	65		
XO SUB	20	EPOCH	235		
TELEDRFT					
GAS BUSTER				125	
POWER CHOKE				125	
830.011 Directional Tools, Surveys, & Services				0	0
830.012 Fishing Tools & Services				0	6,700
830.013 Bits, Stabilizers		HRP-88 (817)		0	83,820
830.014 Drilling Mud & Chemicals		MI		3,777	83,563
830.015 Mud System Equipment Rental		MUD CLEANER		225	6,255
830.016 Casing Crews & Tools				0	9,698
830.017 Casing Hardware (Non-Salvageable)				0	0
830.018 Cement & Cement Services				0	49,969
830.021 Mud Logging		COLUMBINE LOGGING SERVICE		775	27,125
830.020/830.023 Open Hole Logging and Coring				0	0
830.029 Pipe/Tubing Inspection and Testing				0	4,066
830.035 Fluids/Cuttings Disposal				0	0
830.036 Transportation - Tugs/Boats/Barges/Air				0	0
830.037 Dock Services / Trucking		CIRCLE D TRASH HAUL		0	7,840
830.038 Communication		RIG PHONE AND INTERCOMS (MOUNTAIN WEST INC.)		20	760
830.019 Contract Labor				0	12,952
830.039 Wellsite Supervision		NEW TECH ENGINEERING		825	33,825
830.040 Overhead Expense - Administration (Office) & Eng				0	0
830.041 Insurance				0	0
830.043 Misc & Unforeseen (Includes General Supplies)		LINERS AND SWABS (6.5")		4,559	24,174
830.005 Water Well or Supply (potable Water)		JIM NEBEKER TRUCKING DRILL WATER		0	24,903
830.042 Plug & Abandon				0	0
830.044 Rihg Site Housing		MOUNTAIN WEST INC.		0	6,900
830.043 Contingency @		10 %		2,494	97,260
830.058 Parish and State Taxes @		7 %		1,746	68,082
TOTAL INTANGIBLE				29,181	1,137,936

TANGIBLE

850.010 Caisson				0	0
850.010 Drive Pipe				0	0
850.010 Conductor Casing				0	0
850.020 Surface Casing		9.625 @ \$12.98/FT 3245'		0	42,120
850.030 Intermediate Casing				0	0
850.060 Drilling Liners				0	0
850.051 Subsurface Equipment & Hardware				0	0
850.050 Wellhead Equipment and Trees				0	630
				0	0
				0	0
				0	0
Contingency @				0	0
850.058 Parish and State Taxes @		7 %		0	2,993
TOTAL TANGIBLE				0	45,743
Total Daily Field Estimate				29,181	
Days on Location:		47		Total Cumulative Field Estimate 1,183,679	
Rig:	NABORS 924	Well No.:	1	Prepared By:	MARK F BARNES
Field:	WILDCAT	Lease:	CANYON STATE 31-2	AFE No.:	
				Date THRU:	2/15/2004

Spud Date: 12/31/2003		MD (ft): 10,383'		TVD: 10,383'		Present Activity: DRILG											
Contractor: NABORS			Rig: NABORS 924			Report Number: 47											
Drilling Mud Supplier: MI				Report For Contract Supervisor:													
MUD VOLUME (BBL)																	
Hole: w/ DP		Hole: w/o DP		Pits: 800		Total Circ. Vol.: 800		Storage:		Type: POLY/GEL							
CIRCULATING DATA																	
Bbl/Min: 8.9		Gal/Min: 373		Annual Vel. (Ft./Min)		DP: #####		DC: #####									
Circulation Pressure (PSI): 1,200			Bottoms Up Time (Min): #####			Total Circ. Time (Min.): 90.2											
Current Mud Properties				Mud Property Specifications													
Sample From: SUC			Wt:		Viscosity:		Filtrate:										
Time Sample Taken: 8:45			Mud Contains		Recommended Treatment												
Flowline Temperature (Deg. F): 107																	
Depth (ft): 10,285'																	
Weight (ppg): 9.20																	
Funnel Vis.(sec./qt.) API: 95 Deg. F: 40					CONFIDENTIAL												
Plastic Viscosity cp @ 95 Deg. F: 15																	
Yield Point (lb/100 sq. ft.): 10																	
Gel Strength (lb/100 sq. ft.) 10 sec/10 min.: 4/8/12																	
Filtrate API (cc/30 min.): 13.0																	
HTHP @ Deg. F PSI																	
Cake Thickness (32nd in API/HTHP): 1																	
Solids Content (% by vol.) Retort: 4.8																	
Oil Content (% by vol.) Retort																	
Water Content (% by vol.) Retort: 95.2																	
Sand Content (% by vol.): 0.50																	
Methylene Blue Capacity (lb/bbl. equiv.)																	
PH Meter @ 55 Deg. F: 7.4					EQUIPMENT												
Alkalinity Mud (Pm): 0.20					Size		Hrs/Tour		Cost Data								
Alkalinity Filtrate (p/Mf): .2/7.5					Centrifuge				Daily Cost: \$3,777								
Carbonate Determination (mg/1000 cc)					Degasser												
Chloride (mg/1000 cc): 700					Desander				Cumulative: \$83,563								
Calcium (mg/1000 cc) /Mag (mg/1000 cc): 120					Desilter												
Bentonite (lb/bbl.): -3.59					Shaker												
Solids % High Gravity / % Low Gravity: 1.6% / 3.2%					Other												
Solids % Drill Solids / % Bentonite: 3.6% / -0.4%					Other												
Corrected Solids/Corrected Saltwater: 4.8% / 95.2%					Other												
DAPP (lbs/bbl): 6.8					Other												
Remarks:																	
Drilling Fluids Rep.: TOM RICE				Home Address:				Phone: 435-789-3107									
Mud or Consulting Co.: MI				Warehouse Location: VERNAL				Phone: 435-722-2466									
Mud Chemical Inventory																	
Units	SX	SX	SX	SX	SX	SX	SX	5 GAL	SX	SX	SX	SX	SX	SX	DRUM	SX	5 GAL
Cost/Unit	13.37	11.46	9.26	5.52	10.87	16.22	11.60	64.79	162.32	18.48	58.28	3.75	8.08	20.00	668.27	20.00	170.43
Description	DAPP	PAPER	DUROGEL	MI BAR	MARBLE WHITE	MAXI SEAL	MICA MEDIUM	POLY PLUS	POLY PAC	SALT DRILL	SAPP	SAWDUST	SODA ASH	SODIUM BICARB	KLA GUARD B	DUO VIS	GRENCIDE
Starting Inventory	184	53	394	1,400	0	205	70	113	110	23	44	33	96	0	4	86	22
Received																	
Used Last 24 Hours	36							16	11		4					12	
Closing Inventory	148	53	394	1,400	0	205	70	97	99	23	40	33	96	0	4	74	22
Time Distribution:	Drilling:					Trip:		CCM:			Other:						
Circulating Information: n:				K:				Type of Flow:				ECD:					
Profit Center:				AFE:				Drilling Rep: MARK F BARNES									
Field: WILDCAT				Lease: GATE CANYON STATE 31-				Well No.: 1				Date: 15-Feb-04					

Measured Depth:	10,383'	TVD:	10,383'	PBTD:		Proposed MD:	11,760'	Proposed TVD:	11,760'								
DOL:	48	DFS:	47	Spud Date:	31-Dec-03	Daily Footage:		Daily Rot Hrs:		Total Rot Hrs:							
Torque:		Drag:		Rot Wt:		P/U Weight:		S/O Wt:		Wind:	25	Seas:	N/A	Bar:	29.55	POB:	
Last Casing Size:	9 5/8	Set At:	3,117'	TVD	3,117'	Shoe Test:	11.88	Leakoff?	Y	N	<input checked="" type="checkbox"/>						
Cum Rot Hrs on Casing:		Cum Rot Hrs on Casing Since Last Caliper:		Depth Worst Wear:		% Remaining:											
Liner Size:		Set At:		TVD		Liner Top At:		MD		TVD							
Mud Co:	MI	Type:	POLY/GEL		Sample From:	SUC	Wt:	9.3	FV:	38	PV:	8	YP:	10	Gel:	4/7/9	
WL API:	13.4	HTHP:		FC(1/32) API/HTHP:	1	Solids:	5.00	% Oil:		% Water:	95.0	% Sand:	0.75	MBT:		pH:	7.6
Pm:	0.30	Pf/Mf:	.3/7.2	Carb:		Cl:	700	Ca/Ma:	160	Bent:	-3.19	Solids % HG/LG:	2.2% / 2.8%		% DS/Bent:	3.2% / -0.4%	
Engr Service	Materials added last 24 hrs:																

THIS RISE SEC-21 API# 43-013-32391

Drlg Gas:	21	Max Gas:		Conn. Gas:		Trip Gas:	120	Trip Cl:		Remarks:		
Bit No.	IADC	Size	Manufacturer	Serial Number	Type	Jets			TFA	MD In	MD Out	TVD Out
14	PDC	7 7/8"	RTC	105624	DSX210	28	25	25	25	2.0394	10,383'	
									0			
Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Dull Char	Reason Pulled	Cost/Ft
0'		18-20	40-180									

Total Length of BHA: 778' BHA Description: BIT, MUD-MOTOR, TELE DRIFT, 24-6" DC's

									DC Size:	6 3/8"	DP Size:	4 1/2"
Pump	Liner	Stroke	BBL/STK	SPM	Pressure	GPM	Jet Vel	DP AV	DC AV	Bit HHP	BHHP/SQ. IN.	Pump HHP
1	6.5	11	0.102	87	2,800	373	58	#####	#####	6	#VALUE!	609
2	6.5	10	0.092	110	2,800	427	67	#####	#####	8	#VALUE!	697

Survey MD	TVD	Angle	Direction	N/S Coordinate	E/W Coordinate	Vertical Section	DLS
	8914'	2°					
	9491	1.5°					
	10383	1					

Hrs.	(From -To) hh:mm	Operations Covering 24 Hours Ending at 06:00 Hours
00:30	06:00 - 06:30	RIG SERVICE
01:00	06:30 - 07:30	WORK ON KELLY HOSE
00:30	07:30 - 08:00	PUMP SLUG, --SLUG FAILED
01:00	08:00 - 09:00	MIX AND PUMP NEW SLUG
06:00	09:00 - 15:00	POOH
01:00	15:00 - 16:00	LD 2.0 MUDMOTOR AND PU .30 MUDMOTOR, NEW BIT AND FLOAT
02:00	16:00 - 18:00	TIH WITH DRILL COLLARS AND FIX 2" VALVE ON FILLUP LINE
06:00	18:00 - 24:00	TIH WITH DRILL PIPE
01:00	00:00 - 01:00	TIH WITH DRILL PIPE
00:30	01:00 - 01:30	PU KELLY AND FILL PIPE
04:30	01:30 - 06:00	WASH AND REAM TO BOTTOM
	-	-
	-	-
	-	-

CONFIDENTIAL

E & S Summary:

Days Since Last: Lost Time Accident: OSHA Rec.: MMS INCs: Spill:

Last BOP Test: 1/22/04 Next BOP Test: RKB - MSL: 14' Water Depth:

24 Hr Forecast: DRILLING

Daily Mud Cost:	\$2,649	Daily Tangible Cost:		Daily Well Cost:	\$31,778	AFE Number:	
Cum Mud Cost:	\$86,213	Cum Tangible Cost:	\$45,743	Cum Well Cost:	\$1,215,457	Total Appr:	
Drill Water:	Potable Water:	Fuel:	Bulk Wt:	Cement> Neat:	Blended:		
Profit Center:	Rig:	NABORS 924	Rig Phone:	435-823-4272	Drilling Rep:	MARK F BARNES	
Field:	WILDCAT	Lease:	GATE CANYON STATE 31-21-11-	Well #:	15	Date:	16-Feb-04

INTANGIBLES				Daily	Cum
830.001 Surveying & Permits				0	0
830.006 Rig Mob/Demob				0	0
830.007 Drilling Cost		RIG DAY RATE		11,000	443,354
830.009 Fuel/Power				0	89,956
830.010 Rental Tools and Equipment				3,760	71,495
MUD MOTOR	3,190	FLARE LINE W/IGNITOR	65		
XO SUB	20	EPOCH	235		
TELEDRFT					
GAS BUSTER				125	
POWER CHOKE				125	
830.011 Directional Tools, Surveys, & Services				0	0
830.012 Fishing Tools & Services				0	6,700
830.013 Bits, Stabilizers		HRP-88 (817)		0	83,820
830.014 Drilling Mud & Chemicals		MI		2,649	86,213
830.015 Mud System Equipment Rental		MUD CLEANER		225	6,480
830.016 Casing Crews & Tools				0	9,698
830.017 Casing Hardware (Non-Salvageable)				0	0
830.018 Cement & Cement Services				0	49,969
830.021 Mud Logging		COLUMBINE LOGGING SERVICE		775	27,900
830.020/830.023 Open Hole Logging and Coring				0	0
830.029 Pipe/Tubing Inspection and Testing				0	4,066
830.035 Fluids/Cuttings Disposal				0	0
830.036 Transportation - Tugs/Boats/Barges/Air				0	0
830.037 Dock Services / Trucking		HOT SHOT MOTORS BACK TO SPEERY IN CASPER		975	8,815
830.038 Communication		RIG PHONE AND INTERCOMS (MOUNTAIN WEST INC.)		20	780
830.019 Contract Labor				0	12,952
830.039 Wellsite Supervision		NEW TECH ENGINEERING		825	34,650
830.040 Overhead Expense - Administration (Office) & Eng				0	0
830.041 Insurance				0	0
830.043 Misc & Unforeseen (Includes General Supplies)				0	24,174
830.005 Water Well or Supply (potable Water)		JIM NEBEKER TRUCKING DRILL WATER		0	24,903
830.042 Plug & Abandon				0	0
830.044 Rihg Site Housing		MOUNTAIN WEST INC.		6,931	13,831
830.043 Contingency @		10 %		2,716	99,976
830.058 Parish and State Taxes @		7 %		1,901	69,983
TOTAL INTANGIBLE				31,778	1,169,714

TANGIBLE

850.010 Caisson				0	0
850.010 Drive Pipe				0	0
850.010 Conductor Casing				0	0
850.020 Surface Casing		9.625 @ \$12.98/FT 3245'		0	42,120
850.030 Intermediate Casing				0	0
850.060 Drilling Liners				0	0
850.051 Subsurface Equipment & Hardware				0	0
850.050 Wellhead Equipment and Trees				0	630
				0	0
				0	0
				0	0
				0	0
Contingency @				0	0
850.058 Parish and State Taxes @		7 %		0	2,993
TOTAL TANGIBLE				0	45,743
Total Daily Field Estimate				31,778	
Days on Location:		48		Total Cumulative Field Estimate 1,215,457	
Rig:	NABORS 924	Well No.:	1	Prepared By:	MARK F BARNES
Field:	WILDCAT	Lease:	CANYON STATE 31-2	AFE No.:	2/16/2004

Spud Date: 12/31/2003		MD (ft): 10,383'		TVD: 10,383'		Present Activity: DRILG											
Contractor: NABORS			Rig: NABORS 924			Report Number: 48											
Drilling Mud Supplier: MI				Report For Contract Supervisor:													
MUD VOLUME (BBL)																	
Hole: w/ DP		Hole: w/o DP: #####		Pits: 800		Total Circ. Vol.: 800		Storage:		Type: POLY/GEL							
CIRCULATING DATA																	
Bbl/Min: 8.9		Gal/Min: 373		Annual Vel. (Ft./Min)		DP: #####		DC: #####									
Circulation Pressure (PSI): 2,800			Bottoms Up Time (Min): #####			Total Circ. Time (Min.): 90.2											
Current Mud Properties				Mud Property Specifications													
Sample From: SUC			Wt:		Viscosity:		Filtrate:										
Time Sample Taken: 9:00			Mud Contains		Recommended Treatment												
Flowline Temperature (Deg. F): 100																	
Depth (ft): 10,383'			CONFIDENTIAL		CONFIDENTIAL												
Weight (ppg): 9.30																	
Funnel Vis.(sec./qt.) API 95 Deg. F: 38			CONFIDENTIAL		CONFIDENTIAL												
Plastic Viscosity cp @ 95 Deg. F: 8																	
Yield Point (lb/100 sq. ft.): 10			CONFIDENTIAL		CONFIDENTIAL												
Gel Strength (lb/100 sq. ft.) 10 sec/10 min.: 4/7/9																	
Filtrate API (cc/30 min.): 13.4			CONFIDENTIAL		CONFIDENTIAL												
HTHP @ 55 Deg. F PSI: 7.6																	
Cake Thickness (32nd in API/HTHP): 1			CONFIDENTIAL		CONFIDENTIAL												
Solids Content (% by vol.) Retort: 5.0																	
Oil Content (% by vol.) Retort:			CONFIDENTIAL		CONFIDENTIAL												
Water Content (% by vol.) Retort: 95.0																	
Sand Content (% by vol.): 0.75			CONFIDENTIAL		CONFIDENTIAL												
Methylene Blue Capacity (lb/bbl. equiv.):																	
PH Meter @ 55 Deg. F: 7.6			CONFIDENTIAL		CONFIDENTIAL												
Alkalinity Mud (Pm): 0.30																	
Alkalinity Filtrate (pf/Mf): .3/7.2			CONFIDENTIAL		CONFIDENTIAL												
Carbonate Determination (mg/1000 cc):																	
Chloride (mg/1000 cc): 700			CONFIDENTIAL		CONFIDENTIAL												
Calcium (mg/1000 cc) /Mag (mg/1000 cc): 160																	
Bentonite (lb/bbl.): -3.19			CONFIDENTIAL		CONFIDENTIAL												
Solids % High Gravity / % Low Gravity: 2.2% / 2.8%																	
Solids % Drill Solids / % Bentonite: 3.2% / -0.4%			CONFIDENTIAL		CONFIDENTIAL												
Corrected Solids/Corrected Saltwater: 5.0% / 95.0%																	
DAPP (lbs/bbl): 6.8			CONFIDENTIAL		CONFIDENTIAL												
Remarks:																	
Drilling Fluids Rep.: TOM RICE			Home Address:			Phone: 435-789-3107											
Mud or Consulting Co.: MI			Warehouse Location: VERNAL			Phone: 435-722-2466											
Mud Chemical Inventory																	
Units	SX	SX	SX	SX	SX	SX	SX	5 GAL	SX	SX	SX	SX	SX	SX	DRUM	SX	5 GAL
Cost/Unit	13.37	11.46	9.26	5.52	10.87	16.22	11.60	64.79	162.32	18.48	58.28	3.75	8.08	20.00	668.27	20.00	170.43
Description	DAPP	PAPER	DUROGEL	MI BAR	MARBLE WHITE	MAXI SEAL	MICA MEDIUM	POLY PLUS	POLY PAC	SALT DRILL	SAPP	SAWDUST	SODA ASH	SODIUM BICARB	KLA GUARD B	DUO VIS	GRENCIDE
Starting Inventory	148	53	394	1,400	0	205	70	97	99	23	40	33	96	0	4	74	22
Received																	
Used Last 24 Hours	22		14	80				3	6		3					5	2
Closing Inventory	126	53	380	1,320	0	205	70	94	93	23	37	33	96	0	4	69	20
Time Distribution:	Drilling:			Trip:			CCM:			Other:							
Circulating Information:	n:			K:			Type of Flow:			ECD:							
Profit Center:	AFE:			Drilling Rep:			MARK F BARNES										
Field: WILDCAT	Lease: GATE CANYON STATE 31-11-15			Well No.: 1			Date: 16-Feb-04										

Measured Depth:	10,443'	TVD:	10,443'	PBD:		Proposed MD:	11,760'	Proposed TVD:	11,760'								
DOL:	49	DFS:	48	Spud Date:	31-Dec-03	Daily Footage:	60'	Daily Rot Hrs:	22	Total Rot Hrs:	22						
Torque:		Drag:	7K	Rot Wt:	243K	P/U Weight:	250K	S/O Wt:	235K	Wind:	15	Seas:	N/A	Bar:	28.22	POB:	
Last Casing Size:	9 5/8	Set At:	3,117'	TVD	3,117'	Shoe Test:	11.88	Leakoff?	Y	N	<input checked="" type="checkbox"/>						
Cum Rot Hrs on Casing:		Cum Rot Hrs on Casing Since Last Caliper:		Depth Worst Wear:		% Remaining:											
Liner Size:		Set At:	TVD	Liner Top At:	MD	TVD											
Mud Co:	MI	Type:	POLY/GEL	Sample From:	SUC	Wt:	9.4	FV:	34	PV:	9	YP:	8	Gel:	3/6/8		
WL API:	13.2	HTHP:	FC(1/32) API/HTHP:	1	Solids:	6.00	% Oil:		% Water:	94.0	% Sand:	0.35	MBT:		pH:	7.5	
Pm:	0.20	Pf/Mf:	.2/6.2	Carb:		Cl:	700	Ca/Ma:	120	Bent:	-4.61	Solids % HG/LG:	1.9% / 4.1%	% DS/Bent:	4.6% / -0.5%		
Engr Service	Materials added last 24 hrs:																

T115 RISE SEC-21 API# 43-013-39391

Drig Gas:	Max Gas:	Conn. Gas:	Trip Gas:	Trip Cl:	Remarks:							
Bit No.	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out		
14	PDC	7 7/8"	RTC	105624	DSX210	28 25 25 25	2.0394	10,383'				
						0						
Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Dull Char	Reason Pulled	Cost/Ft
60'		18-20	40-180									

Total Length of BHA: 778' BHA Description: BIT, MUD-MOTOR, TELE DRIFT, 24-6" DC's

									DC Size:	6 3/8"	DP Size:	4 1/2"
Pump	Liner	Stroke	BBL/STK	SPM	Pressure	GPM	Jet Vel	DP AV	DC AV	Bit HHP	BHHP/SQ. IN.	Pump HHP
1	6.5	11	0.102	87	2,800	373	58	#####	#####	6	#VALUE!	609
2	6.5	10	0.092	110	2,800	427	67	#####	#####	8	#VALUE!	697

Survey MD	TVD	Angle	Direction	N/S Coordinate	E/W Coordinate	Vertical Section	DLS
	8914'	2°					
	9491	1.5°					
	10383	1					

Hrs.	(From -To) hh:mm	Operations Covering 24 Hours Ending at 06:00 Hours
01:00	06:00	07:00 WASH AND REAM TO BOTTOM
01:00	07:00	08:00 WORKING ON PUMP NUMBER TWO
05:30	08:00	13:30 WASH AND REAM TO BOTTOM
00:30	13:30	14:00 RIG SERVICE
08:00	14:00	22:00 DRILLING AHEAD
01:00	22:00	23:00 WORKING ON PUMPS
01:00	23:00	24:00 DRILLING AHEAD
03:00	00:00	03:00 DRILLING AHEAD
01:00	03:00	04:00 WORKING ON RIG ENGINE
02:00	04:00	06:00 DRILLING AHEAD
	-	-
	-	-
	-	-
	-	-

CONFIDENTIAL

E & S Summary:

Days Since Last: Lost Time Accident: OSHA Rec.: MMS INCs: Spill:

Last BOP Test: 1/22/04 Next BOP Test: RKB - MSL: 14' Water Depth:

24 Hr Forecast: DRILLING

Drill Tech: Accidents:

Daily Mud Cost: \$2,414 Daily Tangible Cost: Daily Well Cost: \$23,481 AFE Number:

Cum Mud Cost: \$88,627 Cum Tangible Cost: \$45,743 Cum Well Cost: \$1,238,937 Total Appr:

Drill Water: Potable Water: Fuel: Bulk Wt: Cement Neat: Blended:

Profit Center: Rig: NABORS 924 Rig Phone: 435-823-4272 Drilling Rep: MARK F BARNES

Field: WILDCAT Lease: GATE CANYON STATE 31-21-11- Well #: 15 Date: 17-Feb-04

INTANGIBLES				Daily	Cum
830.001 Surveying & Permits				0	0
830.006 Rig Mob/Demob				0	0
830.007 Drilling Cost				11,000	454,354
830.009 Fuel/Power				0	89,956
830.010 Rental Tools and Equipment				3,760	75,255
MUD MOTOR	3,190	FLARE LINE WIGNITOR	65		
XO SUB	20	EPOCH	235		
TELEDRFT					
GAS BUSTER				125	
POWER CHOKE				125	
830.011 Directional Tools, Surveys, & Services				0	0
830.012 Fishing Tools & Services				0	6,700
830.013 Bits, Stabilizers				0	83,820
830.014 Drilling Mud & Chemicals				2,414	88,627
830.015 Mud System Equipment Rental				225	6,705
830.016 Casing Crews & Tools				0	9,698
830.017 Casing Hardware (Non-Salvageable)				0	0
830.018 Cement & Cement Services				0	49,969
830.021 Mud Logging				775	28,675
830.020/830.023 Open Hole Logging and Coring				0	0
830.029 Pipe/Tubing Inspection and Testing				0	4,066
830.035 Fluids/Cuttings Disposal				0	0
830.036 Transportation - Tugs/Boats/Barges/Air				0	0
830.037 Dock Services / Trucking				655	9,470
830.038 Communication				20	800
830.019 Contract Labor				395	13,347
830.039 Wellsite Supervision				825	35,475
830.040 Overhead Expense - Administration (Office) & Eng				0	0
830.041 Insurance				0	0
830.043 Misc & Unforeseen (Includes General Supplies)				0	24,174
830.005 Water Well or Supply (potable Water)				0	24,903
830.042 Plug & Abandon				0	0
830.044 Rihg Site Housing				0	13,831
830.043 Contingency @ 10 %				2,007	101,982
830.058 Parish and State Taxes @ 7 %				1,405	71,388
TOTAL INTANGIBLE				23,481	1,193,195

TANGIBLE

850.010 Caisson				0	0
850.010 Drive Pipe				0	0
850.010 Conductor Casing				0	0
850.020 Surface Casing				0	42,120
850.030 Intermediate Casing				0	0
850.060 Drilling Liners				0	0
850.051 Subsurface Equipment & Hardware				0	0
850.050 Wellhead Equipment and Trees				0	630
				0	0
				0	0
				0	0
				0	0
Contingency @				0	0
850.058 Parish and State Taxes @ 7 %				0	2,993
TOTAL TANGIBLE				0	45,743
Total Daily Field Estimate				23,481	
Total Cumulative Field Estimate					1,238,937
Days on Location: 49		Well No.: 1		Prepared By: MARK F BARNES	
Field: WILDCAT	Lease: CANYON STATE 31-2	AFE No:	Date THRU:	2/17/2004	

Spud Date: 12/31/2003		MD (ft): 10,443'		TVD: 10,443'		Present Activity: DRILG											
Contractor: NABORS			Rig: NABORS 924			Report Number: 49											
Drilling Mud Supplier: MI				Report For Contract Supervisor:													
MUD VOLUME (BBL)																	
Hole: w/ DP		Hole: w/o DP: #####		Pits: 800		Total Circ. Vol.: 800		Storage:		Type: POLY/GEL							
CIRCULATING DATA																	
Bbl/Min: 8.9		Gal/Min: 373		Annual Vel. (Ft./Min)		DP: #####		DC: #####									
Circulation Pressure (PSI): 2,800			Bottoms Up Time (Min): #####			Total Circ. Time (Min.): 90.2											
Current Mud Properties				Mud Property Specifications													
Sample From: SUC		Wt:		Viscosity:		Filtrate:											
Time Sample Taken: 8:30		Mud Contains		Recommended Treatment													
Flowline Temperature (Deg. F): 97																	
Depth (ft): 10,383'																	
Weight (ppg): 9.40				CONFIDENTIAL													
Funnel Vis. (sec./qt.) API 95 Deg. F: 34																	
Plastic Viscosity cp @ 95 Deg. F: 9																	
Yield Point (lb/100 sq. ft.): 8																	
Gel Strength (lb/100 sq. ft.) 10 sec/10 min.: 3/6/8																	
Filtrate API (cc/30 min.): 13.2																	
HTHP @ Deg. F PSI																	
Cake Thickness (32nd in API/HTHP): 1																	
Solids Content (% by vol.) Retort: 6.0																	
Oil Content (% by vol.) Retort:																	
Water Content (% by vol.) Retort: 94.0																	
Sand Content (% by vol.): 0.35																	
Methylene Blue Capacity (lb/bbl. equiv.):																	
PH Meter @ 55 Deg. F: 7.5				EQUIPMENT													
Alkalinity Mud (Pm): 0.20				Size		Hrs/Tour		Cost Data									
Alkalinity Filtrate (pf/Mf): .2/6.2				Centrifuge				Daily Cost: \$2,414									
Carbonate Determination (mg/1000 cc):				Degasser													
Chloride (mg/1000 cc): 700				Desander				Cumulative: \$88,627									
Calcium (mg/1000 cc) /Mag (mg/1000 cc): 120				Desilter													
Bentonite (lb/bbl.): -4.61				Shaker													
Solids % High Gravity / % Low Gravity: 1.9% / 4.1%				Other													
Solids % Drill Solids / % Bentonite: 4.6% / -0.5%				Other													
Corrected Solids/Corrected Saltwater: 6.0% / 94.0%				Other													
DAPP (lbs/bbl): 5.8				Other													
Remarks:																	
Drilling Fluids Rep.: TOM RICE				Home Address:				Phone: 435-789-3107									
Mud or Consulting Co.: MI				Warehouse Location: VERNAL				Phone: 435-722-2466									
Mud Chemical Inventory																	
Units	SX	SX	SX	SX	SX	SX	SX	5 GAL	SX	SX	SX	SX	SX	SX	DRUM	SX	5 GAL
Cost/Unit	13.37	11.46	9.26	5.52	10.87	16.22	11.60	64.79	162.32	18.48	58.28	3.75	8.08	20.00	668.27	20.00	170.43
Description	DAPP	PAPER	DUROGEL	MI BAR	MARBLE WHITE	MAXI SEAL	MICA MEDIUM	POLY PLUS	POLY PAC	SALT DRILL	SAPP	SAWDUST	SODA ASH	SODIUM BICARB	KLA GUARD B	DUO VIS	GREENCIDE
Starting Inventory	126	53	380	1,320	0	205	70	94	93	23	37	33	96	0	4	69	20
Received																	
Used Last 24 Hours	23							12	5		2					3	2
Closing Inventory	103	53	380	1,320	0	205	70	82	88	23	35	33	96	0	4	66	18
Time Distribution:	Drilling:			Trip:			CCM:			Other:							
Circulating Information:		n:		K:		Type of Flow:				ECD:							
Profit Center:				AFE:				Drilling Rep: MARK F BARNES									
Field: WILDCAT		Lease: GATE CANYON STATE 31-				Well No.: 1		Date: 17-Feb-04									

Measured Depth:	10,443'	TVD:	10,443'	PBTD:		Proposed MD:	11,760'	Proposed TVD:	11,760'								
DOL:	50	DFS:	49	Spud Date:	31-Dec-03	Daily Footage:	0'	Daily Rot Hrs:		Total Rot Hrs:							
Torque:		Drag:		Rot Wt:		P/U Weight:		S/O Wt.		Wind:	15	Seas:	N/A	Bar:	28.22	POB:	
Last Casing Size:	9 5/8	Set At:	3,117'	TVD	3,117'	Shoe Test:	11.88	Leakoff?	Y	N	<input checked="" type="checkbox"/>						
Cum Rot Hrs on Casing:		Cum Rot Hrs on Casing Since Last Caliper:		Depth Worst Wear:		% Remaining:											
Liner Size:		Set At:		TVD		Liner Top At:		MD		TVD							
Mud Co:	MI	Type:	POLY/GEL		Sample From:	SUC	Wt:	9.4	FV:	34	PV:	9	YP:	8	Gel:	3/6/8	
WL API:	13.2	HTHP:		FC(1/32) API/HTHP:	1	Solids:	6.00	% Oil:		% Water:	94.0	% Sand:	0.35	MBT:		pH:	7.5
Pm:	0.20	Pf/Mf:	.2/6.2	Carb:		Cl:	700	Ca/Ma:	120	Bent:	-4.61	Solids % HG/LG:	1.9% / 4.1%	% DS/Bent:	4.6% / -0.5%		
Engr Service	Materials added last 24 hrs:																

TIH RISE S-21 API# 43-013-39391

Drig Gas:	Max Gas:	Conn. Gas:	Trip Gas:	Trip Cl:	Remarks:							
Bit No.	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out		
14	PDC	7 7/8"	RTC	105624	DSX210	28 25 25 25	2.0394	10,383'	10,443'			
15	747	7 7/8"	RTC	183164	HP74	22 22 22 0	1.1137	10,443'				
Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Dull Char	Reason Pulled	Cost/Ft
60'	13.00	18-20	40-180	8	8	RO	A	XXX	8	WO	PR	
0'												

Total Length of BHA: 778' BHA Description: BIT, MUD-MOTOR, TELE DRIFT, 24-6" DC's

									DC Size:	6 3/8"	DP Size:	4 1/2"
Pump	Liner	Stroke	BBL/STK	SPM	Pressure	GPM	Jet Vel	DP AV	DC AV	Bit HHP	BHHP/SQ. IN.	Pump HHP
1	6.5	11	0.102	87	2,800	373	58	#####	#####	6	#VALUE!	609
2	6.5	10	0.092	110	2,800	427	67	#####	#####	8	#VALUE!	697

Survey MD	TVD	Angle	Direction	N/S Coordinate	E/W Coordinate	Vertical Section	DLS
	8914'	2°					
	9491	1.5°					
	10383	1					

Hrs.	(From -To) hh:mm	Operations Covering 24 Hours Ending at 06:00 Hours
01:30	06:00 - 07:30	DRILLING, DRILL RATE TOTALLY GONE SUSPECT BIT DAMAGE DUE TO POOR DRILLING PRACTICES
01:00	07:30 - 08:30	MIX AND PUMP SLUG
04:30	08:30 - 13:00	POOH
01:00	13:30 - 14:30	TIH TO SHOE
04:30	14:30 - 19:00	SLIP AND CUT DRILL LINE (1.5 HRS ALOTTED, 3 HRS CHR G TO DOWNTIME)
05:00	19:00 - 24:00	WORKING ON DRAWWORKS (ALL DOWNTIME)
03:00	00:00 - 03:00	WORKING ON DRAWWORKS (ALL DOWNTIME)
03:00	03:00 - 06:00	TIH
-	-	DRAWWORKS DOWN DUE TO BRAKE PAD FAILURE
-	-	PUMP #1 DOWN DUE TO CENTER MODULE DAMAGE
-	-	GENERATOR #1 DOWN DUE TO BURNED OUT STATOR IN G.E. GENERATOR

CONFIDENTIAL

E & S Summary:

Days Since Last: Lost Time Accident: OSHA Rec.: MMS INCs: Spill:

Last BOP Test: 1/22/04 Next BOP Test: RKB - MSL: 14' Water Depth:

24 Hr Forecast: DRILLING

Daily Mud Cost:	\$2,414	Daily Tangible Cost:	\$127,506	Daily Well Cost:	\$168,143	AFE Number:	
Cum Mud Cost:	\$91,041	Cum Tangible Cost:	\$173,249	Cum Well Cost:	\$1,407,081	Total Appr:	
Drill Water:	Potable Water:	Fuel:	Bulk Wt:	Cement> Neat:	Blended:		
Profit Center:	Rig:	NABORS 924	Rig Phone:	435-823-4272	Drilling Rep:	MARK F BARNES	
Field:	WILDCAT	Lease:	GATE CANYON STATE 31-21-11-1/5	Well #:	1	Date:	18-Feb-04

Spud Date: 12/31/2003		MD (ft): 10,443'		TVD: 10,443'		Present Activity: DRILG											
Contractor: NABORS			Rig: NABORS 924			Report Number: 50											
Drilling Mud Supplier: MI				Report For Contract Supervisor:													
MUD VOLUME (BBL)																	
Hole: w/ DP		Hole: w/o DP: #####		Pits: 800		Total Circ. Vol.: 800		Storage:		Type: POLY/GEL							
CIRCULATING DATA																	
Bbl/Min: 8.9		Gal/Min: 373		Annual Vel. (Ft./Min)		DP: #####		DC: #####									
Circulation Pressure (PSI): 2,800			Bottoms Up Time (Min): #####			Total Circ. Time (Min.): 90.2											
Current Mud Properties				Mud Property Specifications													
Sample From: SUC			Wt:		Viscosity:		Filtrate:										
Time Sample Taken: 8:30			Mud Contains				Recommended Treatment										
Flowline Temperature (Deg. F): 97																	
Depth (ft): 10,483'																	
Weight (ppg): 9.40																	
Funnel Vis.(sec./qt.) API: 95 Deg. F		34															
Plastic Viscosity cp @: 95 Deg. F		9															
Yield Point (lb/100 sq. ft.): 8																	
Gel Strength (lb/100 sq. ft.) 10 sec/10 min.: 3/6/8																	
Filtrate API (cc/30 min.): 13.2																	
HTHP @: Deg. F PSI																	
Cake Thickness (32nd in API/HTHP): 1																	
Solids Content (% by vol.) Retort: 6.0																	
Oil Content (% by vol.) Retort:																	
Water Content (% by vol.) Retort: 94.0																	
Sand Content (% by vol.): 0.35																	
Methylene Blue Capacity (lb/bbl. equiv.):																	
PH Meter @: 55 Deg. F			7.5		EQUIPMENT				Cost Data								
Alkalinity Mud (Pm): 0.20					Size		Hrs/Tour										
Alkalinity Filtrate (pf/Mf): 2/6.2					Centrifuge				Daily Cost: \$2,414								
Carbonate Determination (mg/1000 cc):					Degasser												
Chloride (mg/1000 cc): 700					Desander												
Calcium (mg/1000 cc) /Mag (mg/1000 cc): 120					Desilter												
Bentonite (lb/bbl.): -4.61					Shaker				Cumulative: \$91,041								
Solids % High Gravity / % Low Gravity: 1.9% / 4.1%					Other												
Solids % Drill Solids / % Bentonite: 4.6% / -0.5%					Other												
Corrected Solids/Corrected Saltwater: 6.0% / 94.0%					Other												
DAPP (lbs/bbl): 5.8					Other												
Remarks:																	
Drilling Fluids Rep.: TOM RICE				Home Address:				Phone: 435-789-3107									
Mud or Consulting Co.: MI				Warehouse Location: VERNAL				Phone: 435-722-2466									
Mud Chemical Inventory																	
Units	SX	SX	SX	SX	SX	SX	SX	5 GAL	SX	SX	SX	SX	SX	SX	DRUM	SX	5 GAL
Cost/Unit	13.37	11.46	9.26	5.52	10.87	16.22	11.60	64.79	162.32	18.48	58.28	3.75	8.08	20.00	668.27	20.00	170.43
Description	DAPP	PAPER	DUROGEL	MI BAR	MARBLE WHITE	MAXI SEAL	MICA MEDIUM	POLY PLUS	POLY PAC	SALT DRILL	SAPP	SAWDUST	SODA ASH	SODIUM BICARB	KLA GUARD B	DUO VIS	GRENCIDE
Starting Inventory	103	53	380	1,320	0	205	70	82	88	23	35	33	96	0	4	66	18
Received																	
Used Last 24 Hours	23							12	5		2					3	2
Closing Inventory	80	53	380	1,320	0	205	70	70	83	23	33	33	96	0	4	63	16
Time Distribution:	Drilling:			Trip:			CCM:			Other:							
Circulating Information: n:				K:				Type of Flow:				ECD:					
Profit Center:				AFE:				Drilling Rep: MARK F BARNES									
Field: WILDCAT				Lease: GATE CANYON STATE 31-				Well No.: 1				Date: 18-Feb-04					

Measured Depth:	10,550'	TVD:	10,550'	PBD:		Proposed MD:	11,760'	Proposed TVD:	11,760'								
DOL:	51	DFS:	50	Spud Date:	31-Dec-03	Daily Footage:	107'	Daily Rot Hrs:	18	Total Rot Hrs:							
Torque:		Drag:		Rot Wt:		P/U Weight:		S/O Wt:		Wind:	15	Seas:	N/A	Bar:	28.22	POB:	
Last Casing Size:	9 5/8	Set At:	3,117'	TVD	3,117'	Shoe Test:	11.88	Leakoff?	Y	N	<input checked="" type="checkbox"/>						
Cum Rot Hrs on Casing:		Cum Rot Hrs on Casing Since Last Caliper:		Depth Worst Wear:		% Remaining:											
Liner Size:		Set At:		TVD		Liner Top At:		MD		TVD							
Mud Co:	MI	Type:	POLY/GEL		Sample From:	SUC	Wt:	9.5	FV:	34	PV:	8	YP:	8	Gel:	3/5/7	
WL API:	16.0	HTHP:	FC(1/32) API/HTHP:	1	Solids:	6.00	% Oil:		% Water:	94.0	% Sand:	0.40	MBT:		pH:	7.5	
Pm:	0.10	Pf/Mf:	.1/5.8	Carb:		Cl:	600	Ca/Ma:	120	Bent:	-4.18	Solids % HG/LG:	2.3% / 3.7%	% DS/Bent:	4.1% / -0.5%		
Engr Service	Materials added last 24 hrs:																

TIIS RISE SEC-21 API # 43-013-32391

Drig Gas:	Max Gas:	Conn. Gas:	Trip Gas:	Trip Cl:	Remarks:							
Bit No.	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out		
14	PDC	7 7/8"	RTC	105624	DSX210	28 25 25 25	2.0394	10,383'	10,443'			
15	747	7 7/8"	RTC	183164	HP74	22 22 22 0	1.1137	10,443'				
Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Dull Char	Reason Pulled	Cost/Ft
60'	13.00	18-20	40-180	8	8	RO	A	XXX	8	WO	PR	
107'	16.00											

Total Length of BHA: 778' BHA Description: BIT, MUD-MOTOR, TELE DRIFT, 24-6" DC's

									DC Size:	6 3/8"	DP Size:	4 1/2"
Pump	Liner	Stroke	BBL/STK	SPM	Pressure	GPM	Jet Vel	DP AV	DC AV	Bit HHP	BHHP/SQ. IN.	Pump HHP
1	6.5	11	0.102	87	2,800	373	58	#####	#####	6	#VALUE!	609
2	6.5	10	0.092	110	2,800	427	67	#####	#####	8	#VALUE!	697

Survey MD	TVD	Angle	Direction	N/S Coordinate	E/W Coordinate	Vertical Section	DLS
	8914'	2°					
	9491	1.5°					
	10383	1					

Hrs.	(From-To) hh:mm	Operations Covering 24 Hours Ending at 06:00 Hours
03:00	06:00	09:00 TIH
00:30	09:00	09:30 LD TWO SINGLES PU KELLY
01:00	09:30	10:30 WASH AND REAM
00:30	10:30	11:00 WORK ON POP OFF VALVE
03:00	11:00	14:00 WASH AND REAM TO BOTTOM
10:00	14:00	24:00 DRILLING AHEAD
06:00	00:00	06:00 DRILLING AHEAD
	-	
	-	
	-	
	-	
	-	
	-	
	-	
	-	

CONFIDENTIAL

E & S Summary:

Days Since Last: Lost Time Accident: OSHA Rec.: MMS INCs: Spill:

Last BOP Test: 1/22/04 Next BOP Test: RKB - MSL: 14' Water Depth:

24 Hr Forecast: DRILLING

Daily Mud Cost:	\$1,204	Daily Tangible Cost:	\$127,506	Daily Well Cost:	\$152,858	AFE Number:	
Cum Mud Cost:	\$92,244	Cum Tangible Cost:	\$300,755	Cum Well Cost:	\$1,559,939	Total Appr:	
Drill Water:	Potable Water:	Fuel:	Bulk Wt:	Cement Neat:	Blended:		
Profit Center:	Rig:	NABORS 924	Rig Phone:	435-823-4272	Drilling Rep:	MARK F BARNES	
Field:	WILDCAT	Lease:	GATE CANYON STATE 31-21-11-	Well #:	1	Date:	19-Feb-04

INTANGIBLES				Daily	Cum
830.001 Surveying & Permits				0	0
830.006 Rig Mob/Demob				0	0
830.007 Drilling Cost		RIG DAY RATE		11,000	476,354
830.009 Fuel/Power				0	100,124
830.010 Rental Tools and Equipment				2,770	78,595
MUD MOTOR	2,200	FLARE LINE WIGNITOR	65		
XO SUB	20	EPOCH	235		
TELEDRFT					
GAS BUSTER				125	
POWER CHOKE				125	
830.011 Directional Tools, Surveys, & Services				0	0
830.012 Fishing Tools & Services				0	6,700
830.013 Bits, Stabilizers		CHP64		4,850	88,670
830.014 Drilling Mud & Chemicals		MI		1,204	92,244
830.015 Mud System Equipment Rental		MUD CLEANER		225	7,155
830.016 Casing Crews & Tools				0	9,698
830.017 Casing Hardware (Non-Salvageable)		GRACO		0	2,237
830.018 Cement & Cement Services				0	49,969
830.021 Mud Logging		COLUMBINE LOGGING SERVICE		775	30,225
830.020/830.023 Open Hole Logging and Coring				0	0
830.029 Pipe/Tubing Inspection and Testing		CIRCLE D		0	6,916
830.035 Fluids/Cuttings Disposal				0	0
830.036 Transportation - Tugs/Boats/Barges/Air				0	0
830.037 Dock Services / Trucking		TRASH HAUL		0	9,470
830.038 Communication		RIG PHONE AND INTERCOMS (MOUNTAIN WEST INC.)		20	840
830.019 Contract Labor		POTABLE WATER		0	13,347
830.039 Wellsite Supervision		NEW TECH ENGINEERING		825	37,125
830.040 Overhead Expense - Administration (Office) & Eng				0	0
830.041 Insurance				0	0
830.043 Misc & Unforeseen (Includes General Supplies)				0	24,174
830.005 Water Well or Supply (potable Water)		JIM NEBEKER TRUCKING DRILL WATER		0	28,552
830.042 Plug & Abandon				0	0
830.044 Rihg Site Housing		MOUNTAIN WEST INC.		0	13,831
830.043 Contingency @		10 %		2,167	107,623
830.058 Parish and State Taxes @		7 %		1,517	75,336
TOTAL INTANGIBLE				25,352	1,259,184

TANGIBLE

850.010 Caisson				0	0
850.010 Drive Pipe				0	0
850.010 Conductor Casing				0	0
850.020 Surface Casing		9.625 @ \$12.98/FT 3245'		0	42,120
850.030 Intermediate Casing				0	0
850.060 Drilling Liners		4.5 P-110 @ \$9.89/FT 12049'		119,165	238,329
850.051 Subsurface Equipment & Hardware				0	0
850.050 Wellhead Equipment and Trees				0	630
				0	0
				0	0
				0	0
				0	0
Contingency @				0	0
850.058 Parish and State Taxes @		7 %		8,342	19,676
TOTAL TANGIBLE				127,506	300,755
Total Daily Field Estimate				152,858	
Days on Location:		51	Total Cumulative Field Estimate		1,559,939
Rig:	NABORS 924	Well No.:	1	Prepared By:	MARK F BARNES
Field:	WILDCAT	Lease:	CANYON STATE 31-2	AFE No.:	Date THRU: 2/19/2004

Spud Date: 12/31/2003		MD (ft): 10,550'		TVD: 10,550'		Present Activity: DRILG											
Contractor: NABORS			Rig: NABORS 924			Report Number: 51											
Drilling Mud Supplier: MI				Report For Contract Supervisor:													
MUD VOLUME (BBL)																	
Hole: w/ DP		Hole: w/o DP: #####		Pits: 800		Total Circ. Vol.: 800		Storage:		Type: POLY/GEL							
CIRCULATING DATA																	
Bbl/Min: 8.9		Gal/Min: 373		Annual Vel. (Ft./Min)		DP: #####		DC: #####									
Circulation Pressure (PSI): 2,800			Bottoms Up Time (Min): #####			Total Circ. Time (Min.): 90.2											
Current Mud Properties				Mud Property Specifications													
Sample From		SUC		Wt:		Viscosity:		Filtrate:									
Time Sample Taken		8:30		Mud Contains		Recommended Treatment		CONFIDENTIAL									
Flowline Temperature (Deg. F)		0															
Depth (ft)		10,444'															
Weight (ppg)		9.45															
Funnel Vis.(sec./qt.) API		95 Deg. F		34													
Plastic Viscosity cp @		95 Deg. F		8													
Yield Point (lb/100 sq. ft.)		8															
Gel Strength (lb/100 sq. ft.) 10 sec/10 min.		3/5/7															
Filtrate API (cc/30 min.)		16.0															
HTHP @		Deg. F		PSI													
Cake Thickness (32nd in API/HTHP)		1															
Solids Content (% by vol.) Retort		6.0															
Oil Content (% by vol.) Retort																	
Water Content (% by vol.) Retort		94.0															
Sand Content (% by vol.)		0.40															
Methylene Blue Capacity (lb/bbl. equiv.)																	
PH Meter @		55 Deg. F		7.5		EQUIPMENT		Cost Data									
Alkalinity Mud (Pm)		0.10				Size		Hrs/Tour									
Alkalinity Filtrate (pf/Mf)		.1/5.8				Centrifuge											
Carbonate Determination (mg/1000 cc)						Degasser											
Chloride (mg/1000 cc)		600				Desander											
Calcium (mg/1000 cc) /Mag (mg/1000 cc)		120				Desilter											
Bentonite (lb/bbl.)		-4.18				Shaker											
Solids % High Gravity / % Low Gravity		2.3% / 3.7%				Other											
Solids % Drill Solids / % Bentonite		4.1% / -0.5%				Other											
Corrected Solids/Corrected Saltwater		6.0% / 94.0%				Other											
DAPP (lbs/bbl)		5.6				Other											
Remarks:																	
Drilling Fluids Rep.: TOM RICE				Home Address:				Phone: 435-789-3107									
Mud or Consulting Co.: MI				Warehouse Location: VERNAL				Phone: 435-722-2466									
Mud Chemical Inventory																	
Units	SX	SX	SX	SX	SX	SX	SX	5 GAL	SX	SX	SX	SX	SX	SX	DRUM	SX	5 GAL
Cost/Unit	13.37	11.46	9.26	5.52	10.87	16.22	11.60	64.79	162.32	18.48	58.28	3.75	8.08	20.00	668.27	20.00	170.43
Description	DAPP	PAPER	DUROGEL	MI BAR	MARBLE WHITE	MAXI SEAL	MICA MEDIUM	POLY PLUS	POLY PAC	SALT DRILL	SAPP	SAWDUST	SODA ASH	SODIUM BICARB	KLA GUARD B	DUO VIS	GREENCIDE
Starting Inventory	80	53	380	1,320	0	205	70	70	83	23	33	33	96	0	4	63	16
Received																	
Used Last 24 Hours								2	6							5	
Closing Inventory	80	53	380	1,320	0	205	70	68	77	23	33	33	96	0	4	58	16
Time Distribution:	Drilling:			Trip:			CCM:			Other:							
Circulating Information:		n:		K:		Type of Flow:				ECD:							
Profit Center:				AFE:				Drilling Rep: MARK F BARNES									
Field: WILDCAT		Lease: GATE CANYON STATE 31-				Well No.: 1		Date: 19-Feb-04									

Measured Depth: 11,235'		TVD: 11,235'		PBD:		Proposed MD: 11,760'		Proposed TVD: 11,760'	
DOL: 58	DFS: 57	Spud Date: 31-Dec-03		Daily Footage: 89'		Daily Rot Hrs: 10		Total Rot Hrs: 10	
Torque:	Drag:	Rot Wt:	P/U Weight:	S/O Wt:	Wind: 3	Seas: N/A	Bar: 29.22	POB:	
Last Casing Size: 9 5/8		Set At: 3,117'		TVD: 3,117'		Shoe Test: 11.88		Leakoff? Y N <input checked="" type="checkbox"/>	
Cum Rot Hrs on Casing:		Cum Rot Hrs on Casing Since Last Caliper:		Depth Worst Wear:		% Remaining:			
Liner Size: Set At: TVD				Liner Top At: MD		TVD			
Mud Co: MI	Type: POLY/DAP			Sample From: SUC	Wt: 9.4	FV: 34	PV: 7	YP: 4	Gel: 3/4/7
WL API: 40.0	HTHP:	FC(1/32) API/HTHP: 1	Solids: 4.40	% Oil:	% Water: 95.6	% Sand: 0.25	MBT:	pH: 7.5	
Pm: 0.30	Pf/Mf: .3/7.6	Carb:	Cl: 500	Ca/Ma: 120	Bent: -0.96	Solids % HG/LG: 3.6% / 0.8%		% DS/Bent: 0.9% / -0.1%	
Engr Service		Materials added last 24 hrs:							

TIH RISE SEC-21 API# 43-013-32391

Drig Gas: 280		Max Gas: 310		Conn. Gas: 1,800		Trip Gas: 2,721		Trip Cl:		Remarks: ALL GAS BEHIND GB			
Bit No.	IADC	Size	Manufacturer	Serial Number	Type	Jets			TFA	MD In	MD Out	TVD Out	
17	847	7 7/8"	sec	5014028	FM2655	25	25	25	27	1.9972	10,792'	11,146'	
18	PDC	7 7/8"	SEC	106663	DSX210	25	25	25	28	2.0394	11,146'		
Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Dull Char	Reason Pulled	Cost/Ft	
354'	43.00	18-25	65-123	8	8	RO	A	XXX	1	DR	PR		
89'	10.00	18	60-123										

Total Length of BHA: 778' BHA Description: BIT, MUD-MOTOR, TELE DRIFT, 24-6" DC's

								DC Size: 6 3/8"	DP Size: 4 1/2"
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Pump	Liner	Stroke	BBL/STK	SPM	Pressure	GPM	Jet Vel	DP AV	DC AV	Bit HHP	BHHP/SQ. IN.	Pump HHP
1	6.5	11	0.102	87	2,800	373	60	#####	#####	7	#VALUE!	609
2	6.5	10	0.092	103	2,800	400	64	#####	#####	8	#VALUE!	653

Survey MD	TVD	Angle	Direction	N/S Coordinate	E/W Coordinate	Vertical Section	DLS
	8914'	2°					
	9491	1.5°					
	10383	1					

Hrs.	(From-To) hh:mm	Operations Covering 24 Hours Ending at 06:00 Hours
00:30	06:00	06:30 MIX AND PUMP SLUG
07:00	06:30	13:30 POOH
04:30	13:30	18:00 MU NEW BIT AND TIH (DAYLIGHTS) 42 STANDS
01:30	18:00	19:30 TIH WITH 68 STANDS (MORN TOUR)
00:30	19:30	20:00 WASH AND REAM TO BOTTOM
04:00	20:00	24:00 DRILLING AHEAD
06:00	00:00	06:00 DRILLING AHEAD
		HAD A BIT FAILURE, SECURITY AGREED TO NO CHARGE FOR MATRIX CORE, FOOTAGE ONLY
		12 INCH FLARE WHILE DRILLING CLEAN BLUE,
		2-5 FOOT FLARE ON CONNECTION GAS, CLEAN BLUE
		15 FOOT FLARE ON TRIP GAS, BLUE TO ORG TRANS, SLIGHT SMOKE

CONFIDENTIAL

E & S Summary:

Days Since Last: Lost Time Accident: OSHA Rec.: MMS INCs: Spill:

Last BOP Test: 1/22 Next BOP Test: RKB - MSL: 14' Water Depth:

24 Hr Forecast: DRILLING

Daily Mud Cost: \$2,553		Daily Tangible Cost:		Daily Well Cost: \$29,458		AFE Number:	
Cum Mud Cost: \$107,770		Cum Tangible Cost: \$173,249		Cum Well Cost: \$1,614,392		Total Appr:	
Drill Water:	Potable Water:	Fuel:	Bulk Wt:	Cement> Neat:	Blended:		
Profit Center:		Rig: NABORS 924	Rig Phone: 435-823-4272		Drilling Rep: MARK F BARNES		Date: 26-Feb-04
Field: WILDCAT		Lease: GATE CANYON STATE 31-21-11-		Well #: 15	1		

INTANGIBLES				Daily	Cum
830.001 Surveying & Permits				0	0
830.006 Rig Mob/Demob				0	0
830.007 Drilling Cost				11,000	553,354
830.009 Fuel/Power				5,939	106,063
830.010 Rental Tools and Equipment				-10,425	91,190
MUD MOTOR	2,200	FLARE LINE W/IGNITOR	65		
XO SUB	20	EPOCH	-13,160		
TELEDRFT	200				
GAS BUSTER	125				
POWER CHOKE	125				
830.011 Directional Tools, Surveys, & Services				0	0
830.012 Fishing Tools & Services				0	6,700
830.013 Bits, Stabilizers				7,500	110,170
830.014 Drilling Mud & Chemicals				2,553	107,770
830.015 Mud System Equipment Rental				225	8,730
830.016 Casing Crews & Tools				0	9,698
830.017 Casing Hardware (Non-Salvageable)				0	2,237
830.018 Cement & Cement Services				0	49,969
830.021 Mud Logging				775	35,650
830.020/830.023 Open Hole Logging and Coring				0	0
830.029 Pipe/Tubing Inspection and Testing				0	6,916
830.035 Fluids/Cuttings Disposal				0	0
830.036 Transportation - Tugs/Boats/Barges/Air				0	0
830.037 Dock Services / Trucking				525	10,645
830.038 Communication				20	980
830.019 Contract Labor				0	14,937
830.039 Wellsite Supervision				825	42,900
830.040 Overhead Expense - Administration (Office) & Eng				0	0
830.041 Insurance				0	0
830.043 Misc & Unforeseen (Includes General Supplies)				556	25,770
830.005 Water Well or Supply (potable Water)				0	28,552
830.042 Plug & Abandon				0	0
830.044 Rihg Site Housing				5,684	19,515
830.043 Contingency @ 10 %				2,518	123,175
830.058 Parish and State Taxes @ 7 %				1,762	86,222
TOTAL INTANGIBLE				29,458	1,441,143

TANGIBLE				Daily	Cum
850.010 Caisson				0	0
850.010 Drive Pipe				0	0
850.010 Conductor Casing				0	0
850.020 Surface Casing				0	42,120
850.030 Intermediate Casing				0	0
850.060 Drilling Liners				0	119,165
850.051 Subsurface Equipment & Hardware				0	0
850.050 Wellhead Equipment and Trees				0	630
				0	0
				0	0
				0	0
				0	0
Contingency @				0	0
850.058 Parish and State Taxes @ 7 %				0	11,334
TOTAL TANGIBLE				0	173,249
Total Daily Field Estimate				29,458	
Days on Location: 58				Total Cumulative Field Estimate 1,614,392	
Rig:	NABORS 924	Well No.:	1	Prepared By:	MARK F BARNES
Field:	WILDCAT	Lease:	CANYON STATE 31-211-15	AFE No:	
				Date THRU:	2/26/2004

Spud Date: 12/31/2003		MD (ft): 11,235'		TVD: 11,235'		Present Activity: DRILG											
Contractor: NABORS			Rig: NABORS 924			Report Number: 58											
Drilling Mud Supplier: MI					Report For Contract Supervisor:												
MUD VOLUME (BBL)																	
Hole: w/ DP 480		Hole: w/o DP #####		Pits: 800		Total Circ. Vol.: 1,280		Storage:		Type: POLY/DAP							
CIRCULATING DATA																	
Bbl/Min: 8.9		Gal/Min: 373		Annual Vel. (Ft/Min)		DP: #####		DC: #####									
Circulation Pressure (PSI): 2,800			Bottoms Up Time (Min): #####			Total Circ. Time (Min.): 144.2											
Current Mud Properties					Mud Property Specifications												
Sample From: SUC			Wt:		Viscosity:		Filtrate:										
Time Sample Taken: 15:30			Mud Contains		Recommended Treatment												
Flowline Temperature (Deg. F): 90																	
Depth (ft): 11,146'			CONFIDENTIAL														
Weight (ppg): 9.40																	
Funnel Vis.(sec./qt.) API 95 Deg. F: 34																	
Plastic Viscosity cp @ 95 Deg. F: 7																	
Yield Point (lb/100 sq. ft.): 4																	
Gel Strength (lb/100 sq. ft.) 10 sec/10 min.: 3/4/7																	
Filtrate API (cc/30 min.): 40.0																	
HTHP @ Deg. F PSI:																	
Cake Thickness (32nd in API/HTHP): 1																	
Solids Content (% by vol.) Retort: 4.4																	
Oil Content (% by vol.) Retort:																	
Water Content (% by vol.) Retort: 95.6																	
Sand Content (% by vol.): 0.25																	
Methylene Blue Capacity (lb/bbl. equiv.):																	
PH Meter @ 55 Deg. F: 7.5			EQUIPMENT				Cost Data										
Alkalinity Mud (Pm): 0.30			Size		Hrs/Tour												
Alkalinity Filtrate (pf/Mf): .3/7.6			Centrifuge				Daily Cost: \$2,553										
Carbonate Determination (mg/1000 cc):			Degasser														
Chloride (mg/1000 cc): 500			Desander				Cumulative: \$107,770										
Calcium (mg/1000 cc) /Mag (mg/1000 cc): 120			Desilter														
Bentonite (lb/bbl.): -0.96			Shaker														
Solids % High Gravity / % Low Gravity: 3.6% / 0.8%			Other														
Solids % Drill Solids / % Bentonite: 0.9% / -0.1%			Other														
Corrected Solids/Corrected Saltwater: 4.4% / 95.6%			Other														
DAPP (lbs/bbl): 6.6			Other														
Remarks:																	
Drilling Fluids Rep.: TOM RICE					Home Address:			Phone: 435-789-3107									
Mud or Consulting Co.: MI					Warehouse Location: VERNAL			Phone: 435-722-2466									
Mud Chemical Inventory																	
Units	SX	SX	SX	SX	SX	SX	SX	5 GAL	SX	SX	SX	SX	SX	SX	DRUM	SX	5 GAL
Cost/Unit	13.37	11.46	9.26	5.52	10.87	16.22	11.60	64.79	162.32	18.48	58.28	3.75	8.08	20.00	668.27	20.00	170.43
Description	DAPP	PAPER	DUROGEL	MI BAR	MARBLE WHITE	MAXI SEAL	MICA MEDIUM	POLY PLUS	POLY PAC	SALT DRILL	SAPP	SAWDUST	SODA ASH	SODIUM BICARB	KLA GUARD B	DUO VIS	GREENCID
Starting Inventory	49	53	352	1,120	0	205	70	16	44	23	21	33	96	0	4	33	16
Received																	
Used Last 24 Hours	34			100				12	4							6	
Closing Inventory	15	53	352	1,020	0	205	70	4	40	23	21	33	96	0	4	27	16
Time Distribution:	Drilling:			Trip:			CCM:			Other:							
Circulating Information:		n:		K:		Type of Flow:				ECD:							
Profit Center:					AFE:			Drilling Rep: MARK F BARNES									
Field: WILDCAT			Lease: GATE CANYON STATE 31			Well No.: 21-11-15		1		Date: 26-Feb-04							

035

Measured Depth:	11,146'	TVD:	11,146'	PBTD:		Proposed MD:	11,760'	Proposed TVD:	11,760'								
DOL:	57	DFS:	56	Spud Date:	31-Dec-03	Daily Footage:	146'	Daily Rot Hrs:	21	Total Rot Hrs:	43						
Torque:		Drag:	5K	Rot Wt:	250K	P/U Weight:	255K	S/O Wt:	235K	Wind:	3	Seas:	N/A	Bar:	29.22	POB:	
Last Casing Size:	9 5/8	Set At:	3,117'	TVD	3,117'	Shoe Test:	11.88	Leakoff?	Y	N	<input checked="" type="checkbox"/>						
Cum Rot Hrs on Casing:		Cum Rot Hrs on Casing Since Last Caliper:		Depth Worst Wear:		% Remaining:											
Liner Size:		Set At:	TVD	Liner Top At:	MD	TVD											
Mud Co:	MI	Type:	POLY/DAP	Sample From:	SUC	Wt:	9.4	FV:	42	PV:	12	YP:	8	Gel:	5/7/9		
WL API:	12.8	HHTP:	FC(1/32) API/HHTP:	1	Solids:	6.00	% Oil:		% Water:	94.0	% Sand:	0.25	MBT:		pH:	7.4	
Pm:	0.20	Pf/Mf:	.2/7.2	Carb:		Cl:	700	Ca/Ma:	120	Bent:	-4.61	Solids % HG/LG:	1.9% / 4.1%	% DS/Bent:	4.6% / -0.5%		
Engr Service		Materials added last 24 hrs:															

THIS RISE SEC-21 API# 43-013-32391

Drig Gas:	350	Max Gas:	400	Conn. Gas:	400	Trip Gas:		Trip Cl:		Remarks:	BEHIND GASBUSTER		
Bit No.	IADC	Size	Manufacturer	Serial Number	Type	Jets			TFA	MD In	MD Out	TVD Out	
16	847	7 7/8"	HC	5047930	HRP99DX	22	22	22	0	1.1137	10,552'	10,792'	10,792'
17	PDC	7 7/8"	SEC	5014028	FM2655	25	25	25	27	1.9972	10,792'		
Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Dull Char	Reason Pulled	Cost/Ft	
240'	45.00	28-40	30-120	0	0			0	0		PR		
354'	24.00	20	60-123										

Total Length of BHA: 778' BHA Description: BIT, MUD-MOTOR, TELE DRIFT, 24-6" DC's

										DC Size:	6 3/8"	DP Size:	4 1/2"
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Pump	Liner	Stroke	BBL/STK	SPM	Pressure	GPM	Jet Vel	DP AV	DC AV	Bit HHP	BHHP/SQ. IN.	Pump HHP
1	6.5	11	0.102	87	2,800	373	107	#####	#####	21	#VALUE!	609
2	6.5	10	0.092	103	2,800	400	115	#####	#####	24	#VALUE!	653

Survey MD	TVD	Angle	Direction	N/S Coordinate	E/W Coordinate	Vertical Section	DLS
	8914'	2°					
	9491	1.5°					
	10383	1					

Hrs.	(From-To) hh:mm	Operations Covering 24 Hours Ending at 06:00 Hours
01:30	06:00 - 07:30	DRILLING AHEAD
01:30	07:30 - 09:00	WORKING ON FLOWLINE VALVE
15:00	09:00 - 24:00	DRILLING AHEAD
06:00	00:00 - 06:00	DRILLING AHEAD
	-	-
	-	-
	-	2' - 5' FLARE AT TIMES
	-	-
	-	-
	-	-
	-	-
	-	-
	-	-

CONFIDENTIAL

E & S Summary:

Days Since Last: Lost Time Accident: OSHA Rec.: MMS INCs: Spill:

Last BOP Test: 1/22/04 Next BOP Test: RKB - MSL: 14' Water Depth:

24 Hr Forecast: DRILLING

Drill Tech: Accidents:

Daily Mud Cost: \$2,085 Daily Tangible Cost: Daily Well Cost: \$20,943 AFE Number:

Cum Mud Cost: \$105,217 Cum Tangible Cost: \$173,249 Cum Well Cost: \$1,584,934 Total Appr:

Drill Water: Potable Water: Fuel: Bulk Wt: Cement> Neat: Blended:

Profit Center: Rig: NABORS 924 Rig Phone: 435-823-4272 Drilling Rep: MARK F BARNES

Field: WILDCAT Lease: GATE CANYON STATE 31-21-11- Well #: 15 Date: 25-Feb-04

INTANGIBLES				Daily	Cum
830.001 Surveying & Permits				0	0
830.006 Rig Mob/Demob				0	0
830.007 Drilling Cost		RIG DAY RATE		11,000	542,354
830.009 Fuel/Power				0	100,124
830.010 Rental Tools and Equipment				2,970	101,615
MUD MOTOR	2,200	FLARE LINE W/IGNITOR	65		
XO SUB	20	EPOCH	235		
TELEDRFT					
GAS BUSTER					
POWER CHOKE					
830.011 Directional Tools, Surveys, & Services				0	0
830.012 Fishing Tools & Services				0	6,700
830.013 Bits, Stabilizers		HR-P99DX		0	102,670
830.014 Drilling Mud & Chemicals		MI		2,085	105,217
830.015 Mud System Equipment Rental		MUD CLEANER		225	8,505
830.016 Casing Crews & Tools				0	9,698
830.017 Casing Hardware (Non-Salvageable)		GRACO		0	2,237
830.018 Cement & Cement Services				0	49,969
830.021 Mud Logging		COLUMBINE LOGGING SERVICE		775	34,875
830.020/830.023 Open Hole Logging and Coring				0	0
830.029 Pipe/Tubing Inspection and Testing		CIRCLE D		0	6,916
830.035 Fluids/Cuttings Disposal				0	0
830.036 Transportation - Tugs/Boats/Barges/Air				0	0
830.037 Dock Services / Trucking		HOT SHOT TWO BITS FROM AIRPORT		0	10,120
830.038 Communication		RIG PHONE AND INTERCOMS (MOUNTAIN WEST INC.)		20	960
830.019 Contract Labor		CIRCLE D TRASH HAUL		0	14,937
830.039 Wellsite Supervision		NEW TECH ENGINEERING		825	42,075
830.040 Overhead Expense - Administration (Office) & Eng				0	0
830.041 Insurance				0	0
830.043 Misc & Unforeseen (Includes General Supplies)				0	25,214
830.005 Water Well or Supply (potable Water)		JIM NEBEKER TRUCKING DRILL WATER		0	28,552
830.042 Plug & Abandon				0	0
830.044 Rihg Site Housing		MOUNTAIN WEST INC.		0	13,831
830.043 Contingency @		10 %		1,790	120,657
830.058 Parish and State Taxes @		7 %		1,253	84,460
TOTAL INTANGIBLE				20,943	1,411,685

TANGIBLE				Daily	Cum
850.010 Caisson				0	0
850.010 Drive Pipe				0	0
850.010 Conductor Casing				0	0
850.020 Surface Casing		9.625 @ \$12.98/FT 3245'		0	42,120
850.030 Intermediate Casing				0	0
850.060 Drilling Liners		4.5 P-110 @ \$9.89/FT 12049'		0	119,165
850.051 Subsurface Equipment & Hardware				0	0
850.050 Wellhead Equipment and Trees				0	630
				0	0
				0	0
				0	0
				0	0
Contingency @				0	0
850.058 Parish and State Taxes @		7 %		0	11,334
TOTAL TANGIBLE				0	173,249
Total Daily Field Estimate				20,943	
Days on Location:		57	Total Cumulative Field Estimate		1,584,934
Rig:	NABORS 924	Well No.:	1	Prepared By:	MARK F BARNES
Field:	WILDCAT	Lease:	CANYON STATE 31-21-115	AFE No:	
				Date THRU:	2/25/2004

Spud Date: 12/31/2003		MD (ft): 11,146'		TVD: 11,146'		Present Activity: DRILG											
Contractor: NABORS			Rig: NABORS 924			Report Number: 57											
Drilling Mud Supplier: MI				Report For Contract Supervisor:													
MUD VOLUME (BBL)																	
Hole: w/ DP 480		Hole: w/o DP #####		Pits: 800		Total Circ. Vol.: 1,280		Storage:		Type: POLY/DAP							
CIRCULATING DATA																	
Bbl/Min: 8.9		Gal/Min: 373		Annual Vel. (Ft./Min)		DP: #####		DC: #####									
Circulation Pressure (PSI): 2,800			Bottoms Up Time (Min): #####			Total Circ. Time (Min.): 144.2											
Current Mud Properties				Mud Property Specifications													
Sample From: SUC				Wt:		Viscosity:		Filtrate:									
Time Sample Taken: 7:30				Mud Contains		Recommended Treatment											
Flowline Temperature (Deg. F): 92																	
Depth (ft): 11,005'				CONFIDENTIAL													
Weight (ppg): 9.40																	
Funnel Vis. (sec./qt.) API 95 Deg. F		42															
Plastic Viscosity cp @ 95 Deg. F		12															
Yield Point (lb/100 sq. ft.): 8																	
Gel Strength (lb/100 sq. ft.) 10 sec/10 min.: 5/7/9																	
Filtrate API (cc/30 min.): 12.8																	
HTHP @ Deg. F PSI																	
Cake Thickness (32nd in API/HTHP): 1																	
Solids Content (% by vol.) Retort: 6.0																	
Oil Content (% by vol.) Retort																	
Water Content (% by vol.) Retort: 94.0																	
Sand Content (% by vol.): 0.25																	
Methylene Blue Capacity (lb/bbl. equiv.)																	
PH Meter @ 55 Deg. F: 7.4										EQUIPMENT				Cost Data			
Alkalinity Mud (Pm): 0.20				Size		Hrs/Tour											
Alkalinity Filtrate (pf/Mf): .2/7.2				Centrifuge				Daily Cost: \$2,085									
Carbonate Determination (mg/1000 cc)				Degasser													
Chloride (mg/1000 cc): 700				Desander													
Calcium (mg/1000 cc) /Mag (mg/1000 cc): 120				Desilter													
Bentonite (lb/bbl.): -4.61				Shaker				Cumulative: \$105,217									
Solids % High Gravity / % Low Gravity: 1.9% / 4.1%				Other													
Solids % Drill Solids / % Bentonite: 4.6% / -0.5%				Other													
Corrected Solids/Corrected Saltwater: 6.0% / 94.0%				Other													
DAPP (lbs/bbl): 7.4				Other													
Remarks:																	
Drilling Fluids Rep.: TOM RICE				Home Address:				Phone: 435-789-3107									
Mud or Consulting Co.: MI				Warehouse Location: VERNAL				Phone: 435-722-2466									
Mud Chemical Inventory																	
Units	SX	SX	SX	SX	SX	SX	SX	5 GAL	SX	SX	SX	SX	SX	SX	DRUM	SX	5 GAL
Cost/Unit	13.37	11.46	9.26	5.52	10.87	16.22	11.60	64.79	162.32	18.48	58.28	3.75	8.08	20.00	668.27	20.00	170.43
Description	DAPP	PAPER	DUROGEL	MI BAR	MARBLE WHITE	MAXI SEAL	MICA MEDIUM	POLY PLUS	POLY PAC	SALT DRILL	SAPP	SAWDUST	SODA ASH	SODIUM BICARB	KLA GUARD B	DUO VIS	GREENICIDE
Starting Inventory	-19	53	355	1,120	0	205	70	26	49	23	23	33	96	0	4	39	16
Received	95																
Used Last 24 Hours	27		3					10	5		2					6	
Closing Inventory	49	53	352	1,120	0	205	70	16	44	23	21	33	96	0	4	33	16
Time Distribution:	Drilling:				Trip:				CCM:				Other:				
Circulating Information: n: K: Type of Flow: ECD:																	
Profit Center:				AFE:				Drilling Rep: MARK F BARNES									
Field: WILDCAT				Lease: GATE CANYON STATE 31-37-11-15				Well No.: 1				Date: 25-Feb-04					

Measured Depth:	11,000'	TVD:	11,000'	PBD:		Proposed MD:	11,760'	Proposed TVD:	11,760'								
DOL:		DFS:		Spud Date:	31-Dec-03	Daily Footage:	189'	Daily Rot Hrs:	22	Total Rot Hrs:	24						
Torque:		Drag:	5K	Rot Wt:	245K	P/U Weight:	240K	S/O Wt:	230K	Wind:	10	Seas:	N/A	Bar:	28.95	POB:	
Last Casing Size:	9 5/8	Set At:	3,117'	TVD	3,117'	Shoe Test:	11.88	Leakoff?	Y	N	<input checked="" type="checkbox"/>						
Cum Rot Hrs on Casing:		Cum Rot Hrs on Casing Since Last Caliper:		Depth Worst Wear:		% Remaining:											
Liner Size:		Set At:	TVD	Liner Top At:	MD	TVD											
Mud Co:	MI	Type:	POLY/DAP	Sample From:	SUC	Wt:	9.4+	FV:	34	PV:	7	YP:	7	Gel:	3/5/7		
WL API:	16.0	HTHP:	FC(1/32) API/HTHP:	1	Solids:	6.00	% Oil:		% Water:	94.0	% Sand:	0.25	MBT:		pH:	7.5	
Pm:	0.30	Pf/Mf:	.3/7.6	Carb:		Cl:	600	Ca/Ma:	120	Bent:	-4.60	Solids % HG/LG:	2.0% / 4.0%	% DS/Bent:	4.6% / -0.5%		
Engr Service	Materials added last 24 hrs:																

T 115 R 15F SEC 21 API # 43-013-32391

Drig Gas:	1,200	Max Gas:	1,500	Conn. Gas:	1,700	Trip Gas:		Trip Cl:		Remarks:			
Bit No.	IADC	Size	Manufacturer	Serial Number	Type	Jets			TFA	MD In	MD Out	TVD Out	
16	847	7 7/8"	HC	5047930	HRP99DX	22	22	22	0	1.1137	10,552'	10,792'	10,792'
17	PDC	7 7/8"	SEC	5014028	FM2655	25	25	25	27	1.9972	10,792'		
Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Dull Char	Reason Pulled	Cost/Ft	
240'	45.00	28-40	30-120	0	0			0	0		PR		
208'	24.00	20	60-123										

Total Length of BHA: 778' BHA Description: BIT, MUD-MOTOR, TELE DRIFT, 24-6" DC's

										DC Size:	6 3/8"	DP Size:	4 1/2"
Pump	Liner	Stroke	BBL/STK	SPM	Pressure	GPM	Jet Vel	DP AV	DC AV	Bit HHP	BHHP/SQ. IN.	Pump HHP	
1	6.5	11	0.102	87	2,800	373	107	#####	#####	#VALUE!	#VALUE!	609	
2	6.5	10	0.092	103	2,800	400	115	#####	#####	#VALUE!	#VALUE!	653	

Survey MD	TVD	Angle	Direction	N/S Coordinate	E/W Coordinate	Vertical Section	DLS
	8914'	2°					
	9491	1.5°					
	10383	1					

Hrs.	(From -To) hh:mm	Operations Covering 24 Hours Ending at 06:00 Hours
18:00	06:00 24:00	DRILLING AHEAD
06:00	00:00 - 06:00	DRILLING AHEAD
		-
		- BACKGROUND GAS RUNNING BETWEEN 1200-1300 UNITS
		- CONNECTION GAS RUNNING 1700-2000 UNITS
		-
		- UNABLE TO CIRC THROUGH GASBUSTER DUE TO BAD BYPASS VALVE IN NABORS FLOWLINE
		- ATTEMPTING TO REPLACE VALVE AT THIS TIME
		-
		- CHROMAT READING C1-C5 THROUGH THIS INTERVAL
		-
		-
		-

CONFIDENTIAL

E & S Summary:											
Days Since Last:											
Lost Time Accident:			OSHA Rec.:			MMS INCs:			Spill:		
Last BOP Test:		1/22/04		Next BOP Test:		RKB - MSL: 14'		Water Depth:			
24 Hr Forecast: DRILLING											
Drill Tech:								Accidents:			
Daily Mud Cost:		\$810		Daily Tangible Cost:		Daily Well Cost:		\$19,452		AFE Number:	
Cum Mud Cost:		\$103,132		Cum Tangible Cost:		\$173,249		Cum Well Cost:		\$1,563,991	
Total Appr:											
Drill Water:		Potable Water:		Fuel:		Bulk Wt:		Cement Neat:		Blended:	
Profit Center:				Rig:		NABORS 924		Rig Phone:		435-823-4272	
Field:				WILDCAT		Lease:		GATE CANYON STATE 31-21-11-15		Well #: 1	
Date:				24-Feb-04							

INTANGIBLES				Daily	Cum
830.001 Surveying & Permits		CONFIDENTIAL		0	0
830.006 Rig Mob/Demob				0	0
830.007 Drilling Cost		RIG DAY RATE	11,000	11,000	531,354
830.009 Fuel/Power			0	0	100,124
830.010 Rental Tools and Equipment			2,970	2,970	98,645
MUD MOTOR	2,200	FLARE LINE WIGNITOR 65			
XO SUB	20	EPOCH 235			
TELEDRFT	200				
GAS BUSTER	125				
POWER CHOKE	125				
830.011 Directional Tools, Surveys, & Services			0	0	0
830.012 Fishing Tools & Services			0	0	6,700
830.013 Bits, Stabilizers		HR-P99DX	0	0	102,670
830.014 Drilling Mud & Chemicals		MI	810	810	103,132
830.015 Mud System Equipment Rental		MUD CLEANER	225	225	8,280
830.016 Casing Crews & Tools			0	0	9,698
830.017 Casing Hardware (Non-Salvageable)		GRACO	0	0	2,237
830.018 Cement & Cement Services			0	0	49,969
830.021 Mud Logging		COLUMBINE LOGGING SERVICE	775	775	34,100
830.020/830.023 Open Hole Logging and Coring			0	0	0
830.029 Pipe/Tubing Inspection and Testing		CIRCLE D	0	0	6,916
830.035 Fluids/Cuttings Disposal			0	0	0
830.036 Transportation - Tugs/Boats/Barges/Air			0	0	0
830.037 Dock Services / Trucking		HOT SHOT TWO BITS FROM AIRPORT	0	0	10,120
830.038 Communication		RIG PHONE AND INTERCOMS (MOUNTAIN WEST INC.)	20	20	940
830.019 Contract Labor		CIRCLE D TRASH HAUL	0	0	14,937
830.039 Wellsite Supervision		NEW TECH ENGINEERING	825	825	41,250
830.040 Overhead Expense - Administration (Office) & Eng			0	0	0
830.041 Insurance			0	0	0
830.043 Misc & Unforeseen (Includes General Supplies)			0	0	25,214
830.005 Water Well or Supply (potable Water)		JIM NEBEKER TRUCKING DRILL WATER	0	0	28,552
830.042 Plug & Abandon			0	0	0
830.044 Rihg Site Housing		MOUNTAIN WEST INC.	0	0	13,831
830.043 Contingency @	10 %		1,663	1,663	118,867
830.058 Parish and State Taxes @	7 %		1,164	1,164	83,207
TOTAL INTANGIBLE				19,452	1,390,742

TANGIBLE

850.010 Caisson			0	0	
850.010 Drive Pipe			0	0	
850.010 Conductor Casing			0	0	
850.020 Surface Casing		9.625 @ \$12.98/FT 3245'	0	42,120	
850.030 Intermediate Casing			0	0	
850.060 Drilling Liners		4.5 P-110 @ \$9.89/FT 12049'	0	119,165	
850.051 Subsurface Equipment & Hardware			0	0	
850.050 Wellhead Equipment and Trees			0	630	
			0	0	
			0	0	
			0	0	
Contingency @			0	0	
850.058 Parish and State Taxes @	7 %		0	11,334	
TOTAL TANGIBLE			0	173,249	
Total Daily Field Estimate			19,452		
Days on Location:			Total Cumulative Field Estimate 1,563,991		
Rig:	NABORS 924	Well No.:	1	Prepared By:	MARK F BARNES
Field:	WILDCAT	Lease:	CANYON STATE 31-2	AFE No.:	1-11-15
			Date THRU:	2/24/2004	

Spud Date: 12/31/2003		MD (ft): 11,000'		TVD: 11,000'		Present Activity: DRILG											
Contractor: NABORS			Rig: NABORS 924			Report Number:											
Drilling Mud Supplier: MI				Report For Contract Supervisor:													
MUD VOLUME (BBL)																	
Hole: w/ DP 480		Hole: w/o DP #####		Pits: 800		Total Circ. Vol.: 1,280		Storage:		Type: POLY/DAP							
CIRCULATING DATA																	
Bbl/Min: 8.9		Gal/Min: 373		Annual Vel. (Ft./Min)		DP: #####		DC: #####									
Circulation Pressure (PSI): 2,800			Bottoms Up Time (Min): #####			Total Circ. Time (Min.): 144.2											
Current Mud Properties						Mud Property Specifications											
Sample From: SUC			Wt:			Viscosity:			Filtrate:								
Time Sample Taken: 7:30			Mud Contains			Recommended Treatment											
Flowline Temperature (Deg. F): 105																	
Depth (ft): 10,820'			<div style="border: 1px solid black; padding: 5px; display: inline-block;"> CONFIDENTIAL </div>														
Weight (ppg): 9.4+																	
Funnel Vis.(sec./qt.) API 95 Deg. F 34																	
Plastic Viscosity cp @ 95 Deg. F 7																	
Yield Point (lb/100 sq. ft.): 7																	
Gel Strength (lb/100 sq. ft.) 10 sec/10 min. 3/5/7																	
Filtrate API (cc/30 min.): 16.0																	
HTHP @ Deg. F PSI																	
Cake Thickness (32nd in API/HTHP): 1																	
Solids Content (% by vol.) Retort: 6.0																	
Oil Content (% by vol.) Retort:																	
Water Content (% by vol.) Retort: 94.0																	
Sand Content (% by vol.): 0.25																	
Methylene Blue Capacity (lb/bbl. equiv.):																	
PH Meter @ 55 Deg. F 7.5			EQUIPMENT						Cost Data								
Alkalinity Mud (Pm): 0.30			Size		Hrs/Tour												
Alkalinity Filtrate (pf/Mf): .3/7.6			Centrifuge				Daily Cost: \$810 Cumulative: \$103,132										
Carbonate Determination (mg/1000 cc)			Degasser														
Chloride (mg/1000 cc): 600			Desander														
Calcium (mg/1000 cc) /Mag (mg/1000 cc): 120			Desilter														
Bentonite (lb/bbl.): -4.60			Shaker														
Solids % High Gravity / % Low Gravity: 2.0% / 4.0%			Other														
Solids % Drill Solids / % Bentonite: 4.6% / -0.5%			Other														
Corrected Solids/Corrected Saltwater: 6.0% / 94.0%			Other														
DAPP (lbs/bbl): 7			Other														
Remarks:																	
Drilling Fluids Rep.: TOM RICE				Home Address:				Phone: 435-789-3107									
Mud or Consulting Co.: MI				Warehouse Location: VERNAL				Phone: 435-722-2466									
Mud Chemical Inventory																	
Units	SX	SX	SX	SX	SX	SX	SX	5 GAL	SX	SX	SX	SX	SX	SX	DRUM	SX	5 GAL
Cost/Unit	13.37	11.46	9.26	5.52	10.87	16.22	11.60	64.79	162.32	18.48	58.28	3.75	8.08	20.00	668.27	20.00	170.43
Description	DAPP	PAPER	DUROGEL	MI BAR	MARBLE WHITE	MAXI SEAL	MICA MEDIUM	POLY PLUS	POLY PAC	SALT DRILL	SAPP	SAWDUST	SODA ASH	SODIUM BICARB	KLA GUARD B	DUO VIS	GRENCIDE
Starting Inventory	-19	53	357	1,160	0	205	70	32	50	23	23	33	96	0	4	40	16
Received																	
Used Last 24 Hours			2	40				6	1							1	
Closing Inventory	-19	53	355	1,120	0	205	70	26	49	23	23	33	96	0	4	39	16
Time Distribution:	Drilling:					Trip:			CCM:				Other:				
Circulating Information: n: K: Type of Flow: ECD:																	
Profit Center:						AFE:						Drilling Rep: MARK F BARNES					
Field: WILDCAT				Lease: GATE CANYON STATE 31-11-15				Well No.: 1				Date: 24-Feb-04					

Measured Depth: 10,811'		TVD: 10,811'		PBDT:		Proposed MD: 11,760'		Proposed TVD: 11,760'	
DOL: 55	DFS: 54	Spud Date: 31-Dec-03		Daily Footage: 46'		Daily Rot Hrs:		Total Rot Hrs:	
Torque:	Drag: 5K	Rot Wt: 245K	P/U Weight: 250K	S/O Wt: 230K	Wind: 25	Seas: N/A	Bar: 29.33	POB:	
Last Casing Size: 9 5/8		Set At: 3,117'		TVD 3,117'		Shoe Test: 11.88		Leakoff? Y N <input checked="" type="checkbox"/>	
Cum Rot Hrs on Casing:		Cum Rot Hrs on Casing Since Last Caliper:		Depth Worst Wear:		% Remaining:			
Liner Size:		Set At: TVD		Liner Top At: MD		TVD			
Mud Co: MI	Type: POLY/GEL		Sample From: SUC		Wt: 9.4+	FV: 39	PV: 11	YP: 9	Gel: 5/8/10
W/LAPI: 12.8	HTHP:	FC(1/32) API/HTHP: 1		Solids: 6.00	% Oil:	% Water: 94.0	% Sand: 0.35	MBT:	pH: 7.4
Pm: 0.30	Pf/Mf: .3/7.5	Carb:	Cl: 700	Ca/Ma: 160	Bent: -4.61	Solids % HG/LG: 1.9% / 4.1%		% DS/Bent: 4.6% / -0.5%	
Engr Service	Materials added last 24 hrs:								

TIH RISE SEC-21 API # 43-013-32391

Orig Gas: 20	Max Gas: 36	Conn. Gas: 95	Trip Gas: 220	Trip Cl:	Remarks:							
Bit No.	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out		
16	847	7 7/8"	HC	5047930	HRP99DX	22 22 22 0	1.1137	10,552'	10,792'	10,792'		
17	PDC	7 7/8"	SEC	5014028	FM2655	25 25 25 27	1.9972	10,792'				
Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Dull Char	Reason Pulled	Cost/Ft
240'	45.00	28-40	30-120	0	0			0	0		PR	
19'	3.00	20	60-123									

Total Length of BHA: 778' BHA Description: BIT, MUD-MOTOR, TELE DRIFT, 24-6" DC's

										DC Size: 6 3/8"	DP Size: 4 1/2"	
Pump	Liner	Stroke	BBL/STK	SPM	Pressure	GPM	Jet Vel	DP AV	DC AV	Bit HHP	BHHP/SQ. IN.	Pump HHP
1	6.5	11	0.102	87	2,800	373	107	#####	#####	#VALUE!	#VALUE!	609
2	6.5	10	0.092	103	2,800	400	115	#####	#####	#VALUE!	#VALUE!	653

Survey MD	TVD	Angle	Direction	N/S Coordinate	E/W Coordinate	Vertical Section	DLS
	8914'	2°					
	9491	1.5°					
	10383	1					

Hrs.	(From -To) hh:mm	Operations Covering 24 Hours Ending at 06:00 Hours
03:30	06:00 09:30	DRILLING AHEAD
01:00	09:30 - 10:30	RIG SERVICE
01:00	10:30 - 11:30	DRILLING AHEAD
00:30	11:30 - 12:00	MIX AND PUMP SLUG
07:00	12:00 - 19:00	POOH
05:00	19:00 - 24:00	MU NEW BIT AND TIH
02:30	00:00 - 02:30	TIH
00:30	02:30 - 03:00	WASH AND REAM TO BOTTOM
00:30	03:00 - 03:30	POWER FAILURE ON RIG
02:00	03:00 - 05:00	DRILLING AHEAD
01:00	05:00 - 06:00	ENGINE STALLED, ATTEMPT TO RESTART
	-	
	-	
	-	

CONFIDENTIAL

E & S Summary:

Days Since Last: Lost Time Accident: OSHA Rec.: MMS INCs: Spill:

Last BOP Test: 1/22/04 Next BOP Test: RKB - MSL: 14' Water Depth:

24 Hr Forecast: DRILLING

Drill Tech: Accidents:

Daily Mud Cost: \$3,266 Daily Tangible Cost: Daily Well Cost: \$23,091 AFE Number:

Cum Mud Cost: \$102,322 Cum Tangible Cost: \$173,249 Cum Well Cost: \$1,544,540 Total Appr:

Drill Water: Potable Water: Fuel: Bulk Wt: Cement> Neat: Blended:

Profit Center: Rig: NABORS 924 Rig Phone: 435-823-4272 Drilling Rep: MARK F BARNES

Field: WILDCAT Lease: GATE CANYON STATE 31-21-11-15 Well #: 1 Date: 23-Feb-04

INTANGIBLES				Daily	Cum
830.001 Surveying & Permits				0	0
830.006 Rig Mob/Demob				0	0
830.007 Drilling Cost				11,000	520,354
830.009 Fuel/Power				0	100,124
830.010 Rental Tools and Equipment				2,970	95,675
MUD MOTOR	2,200	FLARE LINE W/IGNITOR	65		
XO SUB	20	EPOCH	235		
TELEDRFT	200				
GAS BUSTER	125				
POWER CHOKE	125				
830.011 Directional Tools, Surveys, & Services				0	0
830.012 Fishing Tools & Services				0	6,700
830.013 Bits, Stabilizers				0	102,670
830.014 Drilling Mud & Chemicals				3,266	102,322
830.015 Mud System Equipment Rental				225	8,055
830.016 Casing Crews & Tools				0	9,698
830.017 Casing Hardware (Non-Salvageable)				0	2,237
830.018 Cement & Cement Services				0	49,969
830.021 Mud Logging				775	33,325
830.020/830.023 Open Hole Logging and Coring				0	0
830.029 Pipe/Tubing Inspection and Testing				0	6,916
830.035 Fluids/Cuttings Disposal				0	0
830.036 Transportation - Tugs/Boats/Barges/Air				0	0
830.037 Dock Services / Trucking				0	10,120
830.038 Communication				20	920
830.019 Contract Labor				655	14,937
830.039 Wellsite Supervision				825	40,425
830.040 Overhead Expense - Administration (Office) & Eng				0	0
830.041 Insurance				0	0
830.043 Misc & Unforeseen (Includes General Supplies)				0	25,214
830.005 Water Well or Supply (potable Water)				0	28,552
830.042 Plug & Abandon				0	0
830.044 Rihg Site Housing				0	13,831
830.043 Contingency @ 10 %				1,974	117,204
830.058 Parish and State Taxes @ 7 %				1,382	82,043
TOTAL INTANGIBLE				23,091	1,371,291

TANGIBLE

850.010 Caisson				0	0
850.010 Drive Pipe				0	0
850.010 Conductor Casing				0	0
850.020 Surface Casing				0	42,120
850.030 Intermediate Casing				0	0
850.060 Drilling Liners				0	119,165
850.051 Subsurface Equipment & Hardware				0	0
850.050 Wellhead Equipment and Trees				0	630
				0	0
				0	0
				0	0
				0	0
Contingency @				0	0
850.058 Parish and State Taxes @ 7 %				0	11,334
TOTAL TANGIBLE				0	173,249
Total Daily Field Estimate				23,091	
Days on Location: 55				Total Cumulative Field Estimate 1,544,540	
Rig: NABORS 924		Well No.: 1		Prepared By: MARK F BARNES	
Field: WILDCAT		Lease: CANYON STATE 31-2177-75		Date THRU: 2/23/2004	

Spud Date: 12/31/2003		MD (ft): 10,811'		TVD: 10,811'		Present Activity: DRILG											
Contractor: NABORS			Rig: NABORS 924			Report Number: 55											
Drilling Mud Supplier: MI				Report For Contract Supervisor:													
MUD VOLUME (BBL)																	
Hole: w/ DP 480		Hole: w/o DP #####		Pits: 800		Total Circ. Vol.: 1,280		Storage:		Type: POLY/GEL							
CIRCULATING DATA																	
Bbl/Min: 8.9		Gal/Min: 373		Annual Vel. (Ft./Min)		DP: #####		DC: #####									
Circulation Pressure (PSI): 2,800			Bottoms Up Time (Min): #####			Total Circ. Time (Min.): 144.2											
Current Mud Properties					Mud Property Specifications												
Sample From: SUC			Wt:		Viscosity:		Filtrate:										
Time Sample Taken: 7:45			Mud Contains		Recommended Treatment												
Flowline Temperature (Deg. F): 112																	
Depth (ft): 10,778'																	
Weight (ppg): 9.4+																	
Funnel Vis.(sec./qt.) API 95 Deg. F 39																	
Plastic Viscosity cp @ 95 Deg. F 11					CONFIDENTIAL												
Yield Point (lb/100 sq. ft.): 9																	
Gel Strength (lb/100 sq. ft.) 10 sec/10 min.: 5/8/10																	
Filtrate API (cc/30 min.): 12.8																	
HTHP @ Deg. F PSI																	
Cake Thickness (32nd in API/HTHP): 1																	
Solids Content (% by vol.) Retort: 6.0																	
Oil Content (% by vol.) Retort:																	
Water Content (% by vol.) Retort: 94.0																	
Sand Content (% by vol.): 0.35																	
Methylene Blue Capacity (lb/bbl. equiv.):																	
PH Meter @ 55 Deg. F 7.4																	
Alkalinity Mud (Pm): 0.30					EQUIPMENT												
Alkalinity Filtrate (pf/Mf): .3/7.5					Size		Hrs/Tour		Cost Data								
Carbonate Determination (mg/1000 cc):					Centrifuge				Daily Cost: \$3,266								
Chloride (mg/1000 cc): 700					Degasser												
Calcium (mg/1000 cc) /Mag (mg/1000 cc): 160					Desander				Cumulative: \$102,322								
Bentonite (lb/bbl.): -4.61					Desilter												
Solids % High Gravity / % Low Gravity: 1.9% / 4.1%					Shaker												
Solids % Drill Solids / % Bentonite: 4.6% / -0.5%					Other												
Corrected Solids/Corrected Saltwater: 6.0% / 94.0%					Other												
DAPP (lbs/bbl): 6.8					Other												
Remarks:																	
Drilling Fluids Rep.: TOM RICE				Home Address:				Phone: 435-789-3107									
Mud or Consulting Co.: MI				Warehouse Location: VERNAL				Phone: 435-722-2466									
Mud Chemical Inventory																	
Units	SX	SX	SX	SX	SX	SX	SX	5 GAL	SX	SX	SX	SX	SX	SX	DRUM	SX	5 GAL
Cost/Unit	13.37	11.46	9.26	5.52	10.87	16.22	11.60	64.79	162.32	18.48	58.28	3.75	8.08	20.00	668.27	20.00	170.43
Description	DAPP	PAPER	DUROGEL	MI BAR	MARBLE WHITE	MAXI SEAL	MICA MEDIUM	POLY PLUS	POLY PAC	SALT DRILL	SAPP	SAWDUST	SODA ASH	SODIUM BICARB	KLA GUARD B	DUO VIS	GREENCIDE
Starting Inventory	11	53	364	1,160	0	205	70	43	59	23	31	33	96	0	4	48	16
Received																	
Used Last 24 Hours	30		7					11	9		8					8	
Closing Inventory	-19	53	357	1,160	0	205	70	32	50	23	23	33	96	0	4	40	16
Time Distribution:	Drilling:				Trip:				CCM:				Other:				
Circulating Information: n: K: Type of Flow: ECD:																	
Profit Center:						AFE:						Drilling Rep: MARK F BARNES					
Field: WILDCAT				Lease: GATE CANYON STATE 31-				Well No.: 1				Date: 23-Feb-04					

INTANGIBLES				Daily	Cum
830.001 Surveying & Permits				0	0
830.006 Rig Mob/Demob				0	0
830.007 Drilling Cost		RIG DAY RATE		11,000	509,354
830.009 Fuel/Power				0	100,124
830.010 Rental Tools and Equipment				2,970	92,705
MUD MOTOR	2,200	FLARE LINE W/IGNITOR	65		
XO SUB	20	EPOCH	235		
TELEDRFT	200				
GAS BUSTER	125				
POWER CHOKE	125				
830.011 Directional Tools, Surveys, & Services				0	0
830.012 Fishing Tools & Services				0	6,700
830.013 Bits, Stabilizers		HR-P99DX		0	102,670
830.014 Drilling Mud & Chemicals		MI		3,015	99,056
830.015 Mud System Equipment Rental		MUD CLEANER		225	7,830
830.016 Casing Crews & Tools				0	9,698
830.017 Casing Hardware (Non-Salvageable)		GRACO		0	2,237
830.018 Cement & Cement Services				0	49,969
830.021 Mud Logging		COLUMBINE LOGGING SERVICE		775	32,550
830.020/830.023 Open Hole Logging and Coring				0	0
830.029 Pipe/Tubing Inspection and Testing		CIRCLE D		0	6,916
830.035 Fluids/Cuttings Disposal				0	0
830.036 Transportation - Tugs/Boats/Barges/Air				0	0
830.037 Dock Services / Trucking		HOT SHOT TWO BITS FROM AIRPORT		0	10,120
830.038 Communication		RIG PHONE AND INTERCOMS (MOUNTAIN WEST INC.)		20	900
830.019 Contract Labor		DALBO		0	14,282
830.039 Wellsite Supervision		NEW TECH ENGINEERING		825	39,600
830.040 Overhead Expense - Administration (Office) & Eng				0	0
830.041 Insurance				0	0
830.043 Misc & Unforeseen (Includes General Supplies)				0	25,214
830.005 Water Well or Supply (potable Water)		JIM NEBEKER TRUCKING DRILL WATER		0	28,552
830.042 Plug & Abandon				0	0
830.044 Rihg Site Housing		MOUNTAIN WEST INC.		0	13,831
830.043 Contingency @		10 %		1,883	115,231
830.058 Parish and State Taxes @		7 %		1,318	80,662
TOTAL INTANGIBLE				22,031	1,348,200

TANGIBLE

850.010 Caisson				0	0
850.010 Drive Pipe				0	0
850.010 Conductor Casing				0	0
850.020 Surface Casing		9.625 @ \$12.98/FT 3245'		0	42,120
850.030 Intermediate Casing				0	0
850.060 Drilling Liners		4.5 P-110 @ \$9.89/FT 12049'		0	119,165
850.051 Subsurface Equipment & Hardware				0	0
850.050 Wellhead Equipment and Trees				0	630
				0	0
				0	0
				0	0
Contingency @				0	0
850.058 Parish and State Taxes @		7 %		0	11,334
TOTAL TANGIBLE				0	173,249
Total Daily Field Estimate				22,031	
Days on Location:		54		Total Cumulative Field Estimate	
				1,521,449	
Rig:	NABORS 924		Well No.:	1	
			Prepared By:	MARK F BARNES	
Field:	WILDCAT	Lease:	CANYON STATE 31-2	AFE No.:	-11-15
				Date THRU:	2/22/2004

Spud Date: 12/31/2003		MD (ft): 10,765'		TVD: 10,765'		Present Activity: DRILG											
Contractor: NABORS			Rig: NABORS 924			Report Number: 54											
Drilling Mud Supplier: MI				Report For Contract Supervisor:													
MUD VOLUME (BBL)																	
Hole: w/ DP 480		Hole: w/o DP #####		Pits: 800		Total Circ. Vol.: 1,280		Storage:		Type: POLY/GEL							
CIRCULATING DATA																	
Bbl/Min: 8.9		Gal/Min: 373		Annual Vel. (Ft./Min)		DP: #####		DC: #####									
Circulation Pressure (PSI): 2,800			Bottoms Up Time (Min): #####			Total Circ. Time (Min.): 144.2											
Current Mud Properties				Mud Property Specifications													
Sample From: SUC			Wt:		Viscosity:		Filtrate:										
Time Sample Taken: 8:00			Mud Contains		Recommended Treatment												
Flowline Temperature (Deg. F): 112																	
Depth (ft): 10,660'			CONFIDENTIAL														
Weight (ppg): 9.50																	
Funnel Vis.(sec./qt.) API 95 Deg. F 34																	
Plastic Viscosity cp @ 95 Deg. F 7																	
Yield Point (lb/100 sq. ft.): 8																	
Gel Strength (lb/100 sq. ft.) 10 sec/10 min. 3/7/8																	
Filtrate API (cc/30 min.): 17.6																	
HTHP @ Deg. F PSI																	
Cake Thickness (32nd in API/HTHP) 1																	
Solids Content (% by vol.) Retort 6.5																	
Oil Content (% by vol.) Retort																	
Water Content (% by vol.) Retort 93.5																	
Sand Content (% by vol.) 0.30																	
Methylene Blue Capacity (lb/bbl. equiv.)																	
PH Meter @ 55 Deg. F 7.4			EQUIPMENT					Cost Data									
Alkalinity Mud (Pm) 0.20			Size		Hrs/Tour												
Alkalinity Filtrate (pf/Mf) .2/6.3			Centrifuge				Daily Cost: \$3,015										
Carbonate Determination (mg/1000 cc)			Degasser														
Chloride (mg/1000 cc) 500			Desander														
Calcium (mg/1000 cc) /Mag (mg/1000 cc) 120			Desilter														
Bentonite (lb/bbl.) -4.88			Shaker				Cumulative: \$99,056										
Solids % High Gravity / % Low Gravity 2.2% / 4.3%			Other														
Solids % Drill Solids / % Bentonite 4.8% / -0.5%			Other														
Corrected Solids/Corrected Saltwater 6.5% / 93.5%			Other														
DAPP (lbs/bbl) 5.8			Other														
Remarks:																	
Drilling Fluids Rep.: TOM RICE			Home Address:			Phone: 435-789-3107											
Mud or Consulting Co.: MI			Warehouse Location: VERNAL			Phone: 435-722-2466											
Mud Chemical Inventory																	
Units	SX	SX	SX	SX	SX	SX	SX	5 GAL	SX	SX	SX	SX	SX	SX	DRUM	SX	5 GAL
Cost/Unit	13.37	11.46	9.26	5.52	10.87	16.22	11.60	64.79	162.32	18.48	58.28	3.75	8.08	20.00	668.27	20.00	170.43
Description	DAPP	PAPER	DUROGEL	MI BAR	MARBLE WHITE	MAXI SEAL	MICA MEDIUM	POLY PLUS	POLY PAC	SALT DRILL	SAPP	SAWDUST	SODA ASH	SODIUM BICARB	KLA GUARD B	DJO VIS	GREENCIDE
Starting Inventory	46	53	369	1,160	0	205	70	55	69	23	31	33	96	0	4	53	16
Received																	
Used Last 24 Hours	35		5					12	10							5	
Closing Inventory	11	53	364	1,160	0	205	70	43	59	23	31	33	96	0	4	48	16
Time Distribution:	Drilling:			Trip:			CCM:			Other:							
Circulating Information:	n:			K:			Type of Flow:			ECD:							
Profit Center:	AFE:			Drilling Rep: MARK F BARNES													
Field: WILDCAT	Lease: GATE CANYON STATE 31-4-11-15			Well No.: 1			Date: 22-Feb-04										

INTANGIBLES				Daily	Cum
830.001 Surveying & Permits				0	0
830.006 Rig Mob/Demob				0	0
830.007 Drilling Cost		RIG DAY RATE		11,000	498,354
830.009 Fuel/Power				0	100,124
830.010 Rental Tools and Equipment				2,970	89,735
MUD MOTOR	2,200	FLARE LINE W/IGNITOR	65		
XO SUB	20	EPOCH	235		
TELEDRFT	200				
GAS BUSTER	125				
POWER CHOKE	125				
830.011 Directional Tools, Surveys, & Services				0	0
830.012 Fishing Tools & Services				0	6,700
830.013 Bits, Stabilizers		HR-P99DX		7,000	102,670
830.014 Drilling Mud & Chemicals		MI		1,950	96,041
830.015 Mud System Equipment Rental		MUD CLEANER		225	7,605
830.016 Casing Crews & Tools				0	9,698
830.017 Casing Hardware (Non-Salvageable)		GRACO		0	2,237
830.018 Cement & Cement Services				0	49,969
830.021 Mud Logging		COLUMBINE LOGGING SERVICE		775	31,775
830.020/830.023 Open Hole Logging and Coring				0	0
830.029 Pipe/Tubing Inspection and Testing		CIRCLE D		0	6,916
830.035 Fluids/Cuttings Disposal				0	0
830.036 Transportation - Tugs/Boats/Barges/Air				0	0
830.037 Dock Services / Trucking		HOT SHOT TWO BITS FROM AIRPORT		325	10,120
830.038 Communication		RIG PHONE AND INTERCOMS (MOUNTAIN WEST INC.)		20	880
830.019 Contract Labor		DALBO		395	14,282
830.039 Wellsite Supervision		NEW TECH ENGINEERING		825	38,775
830.040 Overhead Expense - Administration (Office) & Eng				0	0
830.041 Insurance				0	0
830.043 Misc & Unforeseen (Includes General Supplies)				0	25,214
830.005 Water Well or Supply (potable Water)		JIM NEBEKER TRUCKING DRILL WATER		0	28,552
830.042 Plug & Abandon				0	0
830.044 Rihg Site Housing		MOUNTAIN WEST INC.		0	13,831
830.043 Contingency @		10 %		2,548	113,348
830.058 Parish and State Taxes @		7 %		1,784	79,343
TOTAL INTANGIBLE				29,817	1,326,169

TANGIBLE

850.010 Caisson				0	0
850.010 Drive Pipe				0	0
850.010 Conductor Casing				0	0
850.020 Surface Casing		9.625 @ \$12.98/FT 3245'		0	42,120
850.030 Intermediate Casing				0	0
850.060 Drilling Liners		4.5 P-110 @ \$9.89/FT 12049'		0	119,165
850.051 Subsurface Equipment & Hardware				0	0
850.050 Wellhead Equipment and Trees				0	630
				0	0
				0	0
				0	0
				0	0
Contingency @				0	0
850.058 Parish and State Taxes @		7 %		0	11,334
TOTAL TANGIBLE				0	173,249
Total Daily Field Estimate				29,817	
Days on Location:		53	Total Cumulative Field Estimate		1,499,418
Rig:	NABORS 924	Well No.:	1	Prepared By:	MARK F BARNES
Field:	WILDCAT	Lease:	CANYON STATE 31-2	AFE No.:	71-75
				Date THRU:	2/21/2004

Spud Date: 12/31/2003		MD (ft): 10,655'		TVD: 10,655'		Present Activity: DRILG											
Contractor: NABORS			Rig: NABORS 924			Report Number: 53											
Drilling Mud Supplier: MI				Report For Contract Supervisor:													
MUD VOLUME (BBL)																	
Hole: w/ DP 480		Hole: w/o DP #####		Pits: 800		Total Circ. Vol.: 1,280		Storage:		Type: POLY/GEL							
CIRCULATING DATA																	
Bbl/Min: 8.9		Gal/Min: 373		Annual Vel. (Ft./Min)		DP: #####		DC: #####									
Circulation Pressure (PSI): 2,800			Bottoms Up Time (Min): #####			Total Circ. Time (Min.): 144.2											
Current Mud Properties				Mud Property Specifications													
Sample From: SUC			Wt:		Viscosity:		Filtrate:										
Time Sample Taken: 8:00			Mud Contains		Recommended Treatment												
Flowline Temperature (Deg. F): 97																	
Depth (ft): 10,552'																	
Weight (ppg): 9.50																	
Funnel Vis.(sec./qt.) API 95 Deg. F 32					CONFIDENTIAL												
Plastic Viscosity cp @ 95 Deg. F 6																	
Yield Point (lb/100 sq. ft.): 6																	
Gel Strength (lb/100 sq. ft.) 10 sec/10 min.: 3/9/7																	
Filtrate API (cc/30 min.): 24.0																	
HTHP @ 55 Deg. F PSI 7.7																	
Cake Thickness (32nd in API/HTHP): 1																	
Solids Content (% by vol.) Retort: 6.5																	
Oil Content (% by vol.) Retort:																	
Water Content (% by vol.) Retort: 93.5																	
Sand Content (% by vol.): 0.10																	
Methylene Blue Capacity (lb/bbl. equiv.):																	
PH Meter @ 55 Deg. F 7.7																	
Alkalinity Mud (Pm): 0.30																	
Alkalinity Filtrate (pf/Mf): .3/6.0																	
Carbonate Determination (mg/1000 cc):																	
Chloride (mg/1000 cc): 600																	
Calcium (mg/1000 cc) /Mag (mg/1000 cc): 120																	
Bentonite (lb/bbl.): -4.89																	
Solids % High Gravity / % Low Gravity: 2.2% / 4.3%																	
Solids % Drill Solids / % Bentonite: 4.8% / -0.5%																	
Corrected Solids/Corrected Saltwater: 6.5% / 93.5%																	
DAPP (lbs/bbl): 5.8																	
Remarks:																	
Drilling Fluids Rep.: TOM RICE				Home Address:				Phone: 435-789-3107									
Mud or Consulting Co.: MI				Warehouse Location: VERNAL				Phone: 435-722-2466									
Mud Chemical Inventory																	
Units	SX	SX	SX	SX	SX	SX	SX	5 GAL	SX	SX	SX	SX	SX	SX	DRUM	SX	5 GAL
Cost/Unit	13.37	11.46	9.26	5.52	10.87	16.22	11.60	64.79	162.32	18.48	58.28	3.75	8.08	20.00	668.27	20.00	170.43
Description	DAPP	PAPER	DUROGEL	MI BAR	MARBLE WHITE	MAXI SEAL	MICA MEDIUM	POLY PLUS	POLY PAC	SALT DRILL	SAPP	SAWDUST	SODA ASH	SODIUM BICARB	KLA GUARD B	DUO VIS	GRENCIDE
Starting Inventory	64	53	375	1,295	0	205	70	59	73	23	31	33	96	0	4	53	16
Received																	
Used Last 24 Hours	18		6	135				4	4								
Closing Inventory	46	53	369	1,160	0	205	70	55	69	23	31	33	96	0	4	53	16
Time Distribution:	Drilling:			Trip:			CCM:			Other:							
Circulating Information:		n:		K:		Type of Flow:				ECD:							
Profit Center:				AFE:				Drilling Rep: MARK F BARNES									
Field: WILDCAT		Lease: GATE CANYON STATE 31-1-11-15				Well No.: 1		Date: 21-Feb-04									

Measured Depth:	10,552'	TVD:	10,552'	PBTD:		Proposed MD:	11,760'	Proposed TVD:	11,760'								
DOL:	52	DFS:	51	Spud Date:	31-Dec-03	Daily Footage:		Daily Rot Hrs:		Total Rot Hrs:							
Torque:		Drag:		Rot Wt:		P/U Weight:		S/O Wt:		Wind:	15	Seas:	N/A	Bar:	28.22	POB:	
Last Casing Size:	9 5/8	Set At:	3,117'	TVD	3,117'	Shoe Test:	11.88	Leakoff?	Y	N	<input checked="" type="checkbox"/>						
Cum Rot Hrs on Casing:		Cum Rot Hrs on Casing Since Last Caliper:		Depth Worst Wear:		% Remaining:											
Liner Size:		Set At:		TVD		Liner Top At:		MD		TVD							
Mud Co:	MI	Type:	POLY/GEL		Sample From:	SUC	Wt:	9.4	FV:	44	PV:	11	YP:	7	Gel:	4/5/7	
WL API:	16.8	HHTP:		FC(1/32) API/HHTP:	1	Solids:	5.50	% Oil:		% Water:	94.5	% Sand:	0.50	MBT:		pH:	7.5
Pm:	0.20	Pf/Mf:	.2/6.0	Carb:		Cl:	700	Ca/Ma:	120	Bent:	-3.47	Solids % HG/LG:	2.4% / 3.1%		% DS/Bent:	3.4% / -0.4%	
Engr Service	Materials added last 24 hrs:																

THIS RISE SEC-21 APT# 43-013-32391

Drlg Gas:	Max Gas:	Conn. Gas:	Trip Gas:	Trip Cl:	Remarks:								
Bit No.	IADC	Size	Manufacturer	Serial Number	Type	Jets				TFA	MD In	MD Out	TVD Out
14	PDC	7 7/8"	RTC	105624	DSX210	28	25	25	25	2.0394	10,383'	10,443'	
15	747	7 7/8"	RTC	183164	HP74	22	22	22	0	1.1137	10,443'	10,552'	
Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Dull Char	Reason Pulled	Cost/Ft	
60'	13.00	18-20	40-180	8	8	RO	A	XXX	8	WO	PR		
109'	18.00	20-30		8	8	RO	A	888	8	WA	PR		

Total Length of BHA: 778' BHA Description: BIT, MUD-MOTOR, TELE DRIFT, 24-6" DC's

										DC Size:	6 3/8"	DP Size:	4 1/2"
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Pump	Liner	Stroke	BBL/STK	SPM	Pressure	GPM	Jet Vel	DP AV	DC AV	Bit HHP	BHHP/SQ. IN.	Pump HHP
1	6.5	11	0.102	87	2,800	373	58	#####	#####	6	#VALUE!	609
2	6.5	10	0.092	110	2,800	427	67	#####	#####	8	#VALUE!	697

Survey MD	TVD	Angle	Direction	N/S Coordinate	E/W Coordinate	Vertical Section	DLS
	8914'	2°					
	9491	1.5°					
	10383	1					

Hrs.	(From-To) hh:mm	Operations Covering 24 Hours Ending at 06:00 Hours
02:00	06:00 - 08:00	DRILLING AHEAD P-RATE FALLING OFF, BIT WEAR
00:30	08:00 - 08:30	UNABLE TO POOH, NO CREW AVAILABLE CIRC OFF BOTTOM
02:30	08:30 - 11:00	ATTEMPT TO DRILL MORE SINCE UNABLE TO POOH, DRILLIED FROM 10551 TO 10552
04:30	11:00 - 15:30	PU CIRC, PUT RIG ON DOWNTIME TO WAIT ON A CREW TO ARRIVE
05:30	15:30 - 21:00	CREW ARRIVED ON LOCATION FROM ANOTHER RIG-POOH
03:00	21:00 - 24:00	MAKE UP NEW BIT TIH TO 10459
05:00	00:00 - 05:00	TIH TO 10459
01:00	05:00 - 06:00	BREAK CIRC BGIN WASH A REAM TO BOTTOM
	-	
	-	
	-	
	-	
	-	
	-	

CONFIDENTIAL

E & S Summary:

Days Since Last: Lost Time Accident: OSHA Rec.: MMS INCs: Spill:

Last BOP Test: 1/22/04 Next BOP Test: RKB - MSL: 14' Water Depth:

24 Hr Forecast: DRILLING

				Drill Tech:	Accidents:			
Daily Mud Cost:	\$1,847	Daily Tangible Cost:		Daily Well Cost:	\$30,850	AFE Number:		
Cum Mud Cost:	\$94,091	Cum Tangible Cost:	\$173,249	Cum Well Cost:	\$1,463,282	Total Appr:		
Drill Water:	Potable Water:	Fuel:	Bulk Wt:	Cement> Neat:	Blended:			
Profit Center:	Rig:	NABORS 924	Rig Phone:	435-823-4272	Drilling Rep:	MARK F BARNES		
Field:	WILDCAT	Lease:	GATE CANYON STATE 31-21-11-	Well #	15	1	Date:	20-Feb-04

INTANGIBLES				Daily	Cum
830.001 Surveying & Permits				0	0
830.006 Rig Mob/Demob				0	0
830.007 Drilling Cost		RIG DAY RATE	11,000	11,000	487,354
830.009 Fuel/Power				0	100,124
830.010 Rental Tools and Equipment				2,770	81,365
MUD MOTOR	2,200	FLARE LINE WIGNITOR	65		
XO SUB	20	EPOCH	235		
TELEDRFT					
GAS BUSTER		125			
POWER CHOKE		125			
830.011 Directional Tools, Surveys, & Services				0	0
830.012 Fishing Tools & Services				0	6,700
830.013 Bits, Stabilizers		HR-P99DX	7,000	7,000	95,670
830.014 Drilling Mud & Chemicals		MI	1,847	1,847	94,091
830.015 Mud System Equipment Rental		MUD CLEANER	225	225	7,380
830.016 Casing Crews & Tools				0	9,698
830.017 Casing Hardware (Non-Salvageable)		GRACO		0	2,237
830.018 Cement & Cement Services				0	49,969
830.021 Mud Logging		COLUMBINE LOGGING SERVICE	775	775	31,000
830.020/830.023 Open Hole Logging and Coring				0	0
830.029 Pipe/Tubing Inspection and Testing		CIRCLE D		0	6,916
830.035 Fluids/Cuttings Disposal				0	0
830.036 Transportation - Tugs/Boats/Barges/Air				0	0
830.037 Dock Services / Trucking		HOT SHOT TWO BITS FROM AIRPORT	325	325	9,795
830.038 Communication		RIG PHONE AND INTERCOMS (MOUNTAIN WEST INC.)	20	20	860
830.019 Contract Labor		J WEST WELDER	540	540	13,887
830.039 Wellsite Supervision		NEW TECH ENGINEERING	825	825	37,950
830.040 Overhead Expense - Administration (Office) & Eng				0	0
830.041 Insurance				0	0
830.043 Misc & Unforeseen (Includes General Supplies)		SWACO SCREENS	1,040	1,040	25,214
830.005 Water Well or Supply (potable Water)		JIM NEBEKER TRUCKING DRILL WATER		0	28,552
830.042 Plug & Abandon				0	0
830.044 Rihg Site Housing		MOUNTAIN WEST INC.		0	13,831
830.043 Contingency @		10 %	2,637	2,637	110,259
830.058 Parish and State Taxes @		7 %	1,846	1,846	77,182
TOTAL INTANGIBLE				30,850	1,290,034

TANGIBLE

850.010 Caisson				0	0
850.010 Drive Pipe				0	0
850.010 Conductor Casing				0	0
850.020 Surface Casing		9.625 @ \$12.98/FT 3245'		0	42,120
850.030 Intermediate Casing				0	0
850.060 Drilling Liners		4.5 P-110 @ \$9.89/FT 12049'		0	119,165
850.051 Subsurface Equipment & Hardware				0	0
850.050 Wellhead Equipment and Trees				0	630
				0	0
				0	0
				0	0
				0	0
Contingency @				0	0
850.058 Parish and State Taxes @		7 %		0	11,334
TOTAL TANGIBLE				0	173,249
Total Daily Field Estimate				30,850	
Days on Location:		52	Total Cumulative Field Estimate		1,463,282
Rig:	NABORS 924	Well No.:	1	Prepared By:	MARK F BARNES
Field:	WILDCAT	Lease:	CANYON STATE 31-2	AFE No.:	
				Date THRU:	2/20/2004

Spud Date: 12/31/2003		MD (ft): 10,552'		TVD: 10,552'		Present Activity: DRILG											
Contractor: NABORS			Rig: NABORS 924			Report Number: 52											
Drilling Mud Supplier: MI				Report For Contract Supervisor:													
MUD VOLUME (BBL)																	
Hole: w/ DP		Hole: w/o DP: #####		Pits: 800		Total Circ. Vol.: 800		Storage:		Type: POLY/GEL							
CIRCULATING DATA																	
Bbl/Min: 8.9		Gal/Min: 373		Annual Vel. (Ft./Min)		DP: #####		DC: #####									
Circulation Pressure (PSI): 2,800			Bottoms Up Time (Min): #####			Total Circ. Time (Min.): 90.2											
Current Mud Properties				Mud Property Specifications													
Sample From: SUC			Wt:		Viscosity:		Filtrate:										
Time Sample Taken: 8:15			Mud Contains		Recommended Treatment												
Flowline Temperature (Deg. F): 112																	
Depth (ft): 10,551'																	
Weight (ppg): 9.40																	
Funnel Vis.(sec./qt.) API 95 Deg. F: 44					CONFIDENTIAL												
Plastic Viscosity cp @ 95 Deg. F: 11																	
Yield Point (lb/100 sq. ft.): 7																	
Gel Strength (lb/100 sq. ft.) 10 sec/10 min.: 4/5/7																	
Filtrate API (cc/30 min.): 16.8																	
HTHP @ Deg. F PSI																	
Cake Thickness (32nd in API/HTHP): 1																	
Solids Content (% by vol.) Retort: 5.5																	
Oil Content (% by vol.) Retort																	
Water Content (% by vol.) Retort: 94.5																	
Sand Content (% by vol.): 0.50																	
Methylene Blue Capacity (lb/bbl. equiv.)																	
PH Meter @ 55 Deg. F: 7.5					EQUIPMENT												
Alkalinity Mud (Pm): 0.20					Size		Hrs/Tour		Cost Data								
Alkalinity Filtrate (pf/Mf): .2/6.0					Centrifuge				Daily Cost: \$1,847								
Carbonate Determination (mg/1000 cc)					Degasser												
Chloride (mg/1000 cc): 700					Desander												
Calcium (mg/1000 cc) /Mag (mg/1000 cc): 120					Desilter												
Bentonite (lb/bbl.): -3.47					Shaker				Cumulative: \$94,091								
Solids % High Gravity / % Low Gravity: 2.4% / 3.1%					Other												
Solids % Drill Solids / % Bentonite: 3.4% / -0.4%					Other												
Corrected Solids/Corrected Saltwater: 5.5% / 94.5%					Other												
DAPP (lbs/bbl): 5.8					Other												
Remarks:																	
Drilling Fluids Rep.: TOM RICE						Home Address:						Phone: 435-789-3107					
Mud or Consulting Co.: MI						Warehouse Location: VERNAL						Phone: 435-722-2466					
Mud Chemical Inventory																	
Units	SX	SX	SX	SX	SX	SX	SX	5 GAL	SX	SX	SX	SX	SX	SX	DRUM	SX	5 GAL
Cost/Unit	13.37	11.46	9.26	5.52	10.87	16.22	11.60	64.79	162.32	18.48	58.28	3.75	8.08	20.00	668.27	20.00	170.43
Description	DAPP	PAPER	DUROGEL	MI BAR	MARBLE WHITE	MAXI SEAL	MICA MEDIUM	POLY PLUS	POLY PAC	SALT DRILL	SAPP	SAWDUST	SODA ASH	SODIUM BICARB	KLA GUARD B	DUO VIS	GREENCIDE
Starting Inventory	80	53	380	1,320	0	205	70	68	77	23	33	33	96	0	4	58	16
Received																	
Used Last 24 Hours	16		5	25				9	4		2					5	
Closing Inventory	64	53	375	1,295	0	205	70	59	73	23	31	33	96	0	4	53	16
Time Distribution:	Drilling:				Trip:				CCM:				Other:				
Circulating Information: n:						K:						Type of Flow: ECD:					
Profit Center:						AFE:						Drilling Rep: MARK F BARNES					
Field: WILDCAT				Lease: GATE CANYON STATE 31-				Well No.: 1				Date: 20-Feb-04					

GASCO ENERGY INC

1

Drilling Activity Report Ver.6-13-01

Measured Depth: 11,280'	TVD: 11,280'	PBDT:	Proposed MD: 11,760'	Proposed TVD: 11,760'
DOL: 59	DFS: 58	Spud Date: 31-Dec-03	Daily Footage: 45'	Daily Rot Hrs: 24
Torque: N/A	Drag: 10K	Rot Wt: 250K	P/U Weight: 260K	S/O Wt: 240K
Last Casing Size: 9 5/8	Set At: 3,117'	TVD	Shoe Test: 11.88	Leakoff? Y N
Cum Rot Hrs on Casing:	Cum Rot Hrs on Casing Since Last Caliper:	Depth Worst Wear:	% Remaining:	
Liner Size:	Set At: TVD	Liner Top At:	MD	TVD
Mud Co: MI	Type: POLY/DAP	Sample From: SUC	Wt: 9.5	FV: 33
WL API: 32.0	HTHP: FC(1/32) API/HTHP:	1	Solids: 4.80	% Oil: % Water: 95.2
Pm: 0.30	Pf/Mf: 3/7.2	Carb: 500	Ca/Ma: 120	Bent: -1.01
Engr Service	Solids % HG/LG: 3.9% / 0.9% % DS/Bent: 1.0% / -0.1%			

THIS RISE SEC-21
API # 43-013-32391

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Orig Gas: 70	Max Gas: 300	Conn. Gas: 250	Trip Gas:	Trip Ct:	Remarks: NO FLARE
Bit No. 17	IADC 847	Size 7 7/8"	Manufacturer sec	Serial Number 5014028	Type FM2655
18	PDC	7 7/8"	SEC	106663	DSX210
Feet 354'	Hours 43.00	WOB 18-25	RPM 65-123	I-Row 8	O-Row 8
134'	10.00	18	60-123		
Total Length of BHA: 778'	BHA Description: BIT, MUD-MOTOR, TELE DRIFT, 24-6" DC's				

										DC Size: 6 3/8"	DP Size: 4 1/2"	
Pump	Liner	Stroke	BBL/STK	SPM	Pressure	GPM	Jet Va	DP AV	DC AV	Bit HHP	BHHP/SQ. IN.	Pump HHP
1	6.5	11	0.102	87	2,800	373	60	0	0	7	0.00	609
2	6.5	10	0.092	103	2,800	400	64	0	0	8	0.00	653
Survey MD	TVD	Angle	Direction	N/S Coordinate	E/W Coordinate	Vertical Section	DLS					
	8914'	2°										
	9491	1.5°										
	10383	1										

Hrs. (From To) 18:00 to 06:00	Operations Covering 24 Hours Ending at 06:00 Hours											
18:00	06:00	2400	DRILLING AHEAD									
06:00	00:00	06:00	DRILLING AHEAD									
DRILLING HAS BEEN REDUCED TO 2 FT/HR, WE HAVE DRILLED OFF INTO A VERY VERY HARD SANDSTONE FORMATION, BY ALL ACCOUNTS JUST BELOW THE MANCOS SHALE.												
BACKGROUND GAS HAS FALLEN OFF, MOST LIKELY DUE TO WALL CAKING UP HOLE THROUGH THE ABERNETHY WE HAVE BYPASSED THE GAS BUSTER AND ARE CURRENTLY CIRC STRAIGHT THRU THE FLOWLINE												
NO SIGNIFICANT CHANGE IN BACKGROUND GASES AFTER BYPASSING GB												

E & S Summary:												
Days Since Last:	Lost Time Accident:	OSHA Rec.:	MMS INCs:	Spill:								
Last BOP Test: 1/22	Next BOP Test:	RKB - MSL: 14'	Water Depth:									
24 Hr Forecast: DRILLING												
Daily Mud Cost: \$1,979	Daily Tangible Cost:	Daily Well Cost: \$21,539	AFE Number:									
Cum Mud Cost: \$109,750	Cum Tangible Cost: \$173,249	Cum Well Cost: \$1,635,930	Total Appr:									

Field:	WILDCAT	Lease:	GATE CANYON STATE 31-21-11-15	Well #:	1	Date:	2/27/04
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GASCO ENERGY INC

1

Daily Cost Estimate

CONFIDENTIAL

INTANGIBLES				Daily	Cum
830.001	Surveying & Permits			0	0
830.006	Rig Mob/Demob			0	0
830.007	Drilling Cost	RIG DAY RATE	11,000	11,000	564,354
830.009	Fuel/Power			0	106,063
830.010	Rental Tools and Equipment		2,735	2,735	93,925
	MUD MOTOR	2,200	FLARE LINE W/IGNITOR 65		
	XO SUB	20	EPOCH		
	TELEDRFT	200			
	GAS BUSTER	125			
	POWER CHOKE	125			
830.011	Directional Tools, Surveys, & Services			0	0
830.012	Fishing Tools & Services		0	0	6,700
830.013	Bits, Stabilizers	DSX210		0	110,170
830.014	Drilling Mud & Chemicals	MI	1,979	1,979	109,750
830.015	Mud System Equipment Rental	MUD CLEANER	225	225	8,955
830.016	Casing Crews & Tools			0	9,698
830.017	Casing Hardware (Non-Salvageable)	GRACO		0	2,237
830.018	Cement & Cement Services			0	49,969
830.021	Mud Logging	COLUMBINE LOGGING SERVICE	775	775	36,425
830.020/830.023	Open Hole Logging and Coring			0	0
830.029	Pipe/Tubing Inspection and Testing	CIRCLE D		0	6,916
830.035	Fluids/Cuttings Disposal			0	0
830.036	Transportation - Tugs/Boats/Barges/Air			0	0
830.037	Dock Services / Trucking	HOT SHOT FOR MOTOR		0	10,645
830.038	Communication	RIG PHONE AND INTERCOMS (MOUNTAIN WEST INC.)	20	20	1,000
830.019	Contract Labor	CIRCLE D TRASH HAUL		0	14,937
830.039	Wellsite Supervision	NEW TECH ENGINEERING	825	825	43,725
830.040	Overhead Expense - Administration (Office) & Eng			0	0
830.041	Insurance			0	0
830.043	Misc & Unforeseen (Includes General Supplies)	ZECO MUD CLEANER SCREEN	455	455	26,225
830.005	Water Well or Supply (potable Water)	DALBO (POTABLE WATER)	395	395	28,947
830.042	Plug & Abandon			0	0
830.044	Ring Site Housing	MOUNTAIN WEST INC.		0	19,515
830.043	Contingency @	10 %	1,841	1,841	125,016
830.058	Parish and State Taxes @	7 %	1,289	1,289	87,511
TOTAL INTANGIBLE				21,539	1,462,682

TANGIBLE				Daily	Cum
850.010	Caisson			0	0
850.010	Drive Pipe			0	0
850.010	Conductor Casing			0	0
850.020	Surface Casing	9.625 @ \$12.98/FT 3245'		0	42,120
850.030	Intermediate Casing			0	0
850.060	Drilling Liners	4.5 P-110 @ \$9.89/FT 12049'		0	119,165
850.051	Subsurface Equipment & Hardware			0	0
850.050	Wellhead Equipment and Trees			0	630
				0	0
				0	0
				0	0
				0	0
				0	0
	Contingency @			0	0
850.058	Parish and State Taxes @	7 %	0	0	11,334
TOTAL TANGIBLE				0	173,249
Total Daily Field Estimate				21,539	
Days on Location:	59	Total Cumulative Field Estimate		1,635,930	

Carol Daniels - WILDCAT1Feb27rpt.xls		Well	1	Prepared By:	MARK F B	ES	
Field:	WILDCAT	Lease:	CANYON STATE 31-21-11-15	AFE No:		Date THRU:	2/27/04

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GASCO ENERGY INC

1

Drilling Activity Report

Ver.6-13-01

Measured Depth:	11,300'	TVD:	11,350'	PBDT:		Proposed MD:	11,760'	Proposed TVD:	11,760'								
DOL:	60	DFS:	59	Spud Date:	31-Dec-03	Daily Footage:	20'	Daily Rot Hrs:		Total Rot Hrs:							
Torque:		Drag:	10K	Rot Wt:	250	P/U Weight:	260	S/O Wt.	240	Wind:	8	Seas:	N/A	Bar:	29.48	POB:	
Last Casing Size:	9 5/8	Set At:	3,117'	TVD		Shoe Test:	11.88	Leakoff?	Y	N							
Cum Rot Hrs on Casing:		Cum Rot Hrs on Casing Since Last Calliper:		Depth Worst Wear:		% Remaining:											
Liner Size:		Set At:	TVD	Liner Top At:		MD	TVD										
Mud Co:	MI	Type:	POLY/DAP	Sample From:	SUC	Wt:	9.4	FV:	35	PV:	7	YP:	6	Gel:	3/5/9		
WL API:	28.0	HTHP:	FC(1/32) API/HTHP:	1	Solids:	4.50	% Oil:		% Water:	95.2	% Sand:	TR	MBT:		pH:	8.0	
Pm:	0.30	Pf/M:	3/7.2	Carb:		Cl:	500	Ca/Ma:	120	Bent:	-1.87	Solids % HG/LG:	3.2% / 1.6%	% DS/Bent:	1.8% / -0.2%		
Engr Service																	

T115 RISE SEC-21
API# 43-013-32391

CONFIDENTIAL

Drig Gas:	40	Max Gas:	400	Conn. Gas:		Trip Gas:	3,850	Trip Cl:		Remarks:	GASBUSTER ON LINE	
Bit No.	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Cut		
18	PDC	7 7/8"	SEC	106663	DSX210	25 25 25 28	2.03942	11,146'	11,282'			
19	847	7 7/8"	HC	5047929	HRP99DX	22 22 22 0	1.11367	11,282'				
Feet	Hours	WOB	RPM	I-Rbw	O-Row	DC	Loc	B	G	Dull Char	Reason Pulled	Cost
136'	43.00	18-20	20-120	8	8	RO	A	XXX	1	DR	PR	
18'	10.00	28-34	20									
Total Length of BHA:	778'	BHA Description: BIT, MUD-MOTOR, TELE DRIFT, 24-6" DC's										

Pump	Liner	Stroke	BBL/STK	SPM	Pressure	GPM	Jet Vel	DP AV	DC AV	Bit HHP	8HHP/SQ. IN.	Pump HHP
1	6.5	11	0.102	87	2,800	373	58	0	0	6	0.00	609
2	6.5	10	0.092	103	2,800	400	63	0	0	7	0.00	653
Survey MD	TVD	Angle	Direction	N/S Coordinate	E/W Coordinate	Vertical Section	DLS					
	8914'	2°										
	9491	1.5°										
	10383	1										

Hrs.	(From To)	Operations Covering 24 Hours Ending at 06:00 Hours
04:30	06:00	10:30 DRILLING AHEAD
01:45	10:30	12:15 PUMP SLUG POOH
00:45	12:15	13:00 WORK ON BREAKS
04:30	13:00	17:30 POOH
02:00	17:30	19:30 TEST BOP STACK
04:30	19:30	24:00 TIH WITH NEW BIT
02:30	00:00	02:30 TIH WITH NEW BIT
01:00	02:30	03:30 WASH TO BOTTOM
03:00	03:00	06:00 DRILLING AHEAD
		MORN TOUR CREW ONE SHORT AT BEGINNING OF TRIP, AFTER INJURY MORN TOUR IS TWO HANDS SHOR
		8' - 10' FLARE ON TRIP GAS, BLUE CLEAN, SLIGHT YELLOW TIP.
		OCCASIONAL 8" FLARE ON DRILLING, BLUE CLEAN

E & S Summary:	PRESTON KINKAID HAD ARM INJURED ON TRIP BACK IN CAUGHT BETWEEN TONGS, WAS TRANSPORTED TO VERNAL FOR XRAYS, FILM CAME BACK NEG FOR BREAK, SEVERLY HYPEREXTENDED AND CONTUSIONS. NO DUTY FOR 3 W Days Since Last:						
Lost Time Accident:	YES	OSHA Rec.:	YES	MMS INCs:		Spill:	
Last BOP Test:	2/28/04	Next BOP Test:	RKB - MSL: 14'	Water Depth:			
24 Hr Forecast:	DRILLING	Drill Tech:		Accidents:			
Daily Mud Cost:		Daily Tangible Cost:		Daily Well Cost:	\$26,638	AFE Number:	
Cum Mud Cost:	\$109,750	Cum Tangible Cost:	\$173,249	Cum Well Cost:	\$1,662,569	Total Appr:	

Carol Daniels - WILDCAT1Feb28.rpt.xls		Rig Phone: 435-823-4272	Drilling Rep: MARK F. JONES
Field: WILDCAT	Lease: NABOR GATE CANYON STATE 31-21-11-15	Well #: 1	Date: 2/28/04

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Field:	WILDCAT	Lease:	CANYON STATE 31-21-11-15	AFE No:		Date THRU:	2/28/04
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CONFIDENTIAL

GASCO ENERGY INC. 1 **Daily Mud Report**

Spud Date: 12/31/03		MD (ft): 11,300'		TVD: 11,350'		Present Activity: DRILG											
Contractor: NABORS			Rig: NABORS 924			Report Number: 60											
Drilling Mud Supplier: MI				Report For Contract Supervisor:													
MUD VOLUME (BBL)																	
Hole: w/ DP 480		Hole: w/o DP 0		Pits: 800		Total Circ. Vol.: 1,280											
Storage:				Type: POLY/DAP													
CIRCULATING DATA																	
Bbl/Min: 8.9		Gal/Min: 373		Annual Vel. (Fl./Min):		DP: 0 DC: 0											
Circulation Pressure (PSI): 2,800		Bottoms Up Time (Min): 0		Total Circ. Time (Min.): 144.2													
Current Mud Properties				Mud Property Specifications													
Sample From: SUC		Wt:		Viscosity:		Filtrate:											
Time Sample Taken: 15:30		Mud Contains		Recommended Treatment													
Flowline Temperature (Deg. F): 80																	
Depth (ft): 11,278'																	
Weight (ppg): 9.40																	
Funnel Vis.(sec./qt.) API 95 Deg. F: 35																	
Plastic Viscosity cp @ 95 Deg. F: 7																	
Yield Point (lb/100 sq. ft.): 6																	
Gel Strength (lb/100 sq. ft.) 10 sec/10 min.: 3/5/9																	
Filtrate API (cc/30 min.): 28.0																	
HTHP @ Deg. F PSI:																	
Cake Thickness (32nd in API/HTHP): 1																	
Solids Content (% by vol.) Retort: 4.5																	
Oil Content (% by vol.) Retort:																	
Water Content (% by vol.) Retort: 95.2																	
Sand Content (% by vol.): TR																	
Methylene Blue Capacity (lb/bbl. equiv.):																	
PH Meter @ 55 Deg. F: 8.0		EQUIPMENT				Cost Data											
Alkalinity Mud (Pm): 0.30		Size		Hrs/Tour													
Alkalinity Filtrate (pf/Mf): .377.2		Centrifuge				Daily Cost: \$0											
Carbonate Determination (mg/1000 cc):		Degasser															
Chloride (mg/1000 cc): 500		Desander															
Calcium (mg/1000 cc) /Mag (mg/1000 cc): 120		Desilter															
Bentonite (lb/bbl.): -1.87		Shaker				Cumulative: \$109,750											
Solids % High Gravity / % Low Gravity: 3.2% / 1.6%		Other															
Solids % Drill Solids / % Bentonite: 1.8% / -0.2%		Other															
Corrected Solids/Corrected Saltwater: 4.8% / 95.2%		Other															
DAPP (lbs/bbl): 6.4		Other															
Remarks:																	
Drilling Fluids Rep.: TOM RICE				Home Address:		Phone: 435-789-3107											
Mud or Consulting Co.: MI				Warehouse Location: VERNAL		Phone: 435-722-2466											
Mud Chemical Inventory																	
Units	SX	SX	SX	SX	SX	SX	SX	5 GAL	SX	SX	SX	SX	SX	SX	DRUM	SX	5 GAL
Cost/Unit	13.37	11.46	9.26	5.52	10.87	16.22	11.60	64.79	162.32	18.48	58.28	3.75	8.08	20.00	668.27	20.00	170.43
Description																	
Starting Inventory	495	53	352	1,020	0	205	70	124	101	23	119	33	96	0	4	27	16
Received																	
Used Last 24 Hours																	
Closing Inventory	495	53	352	1,020	0	205	70	124	101	23	119	33	96	0	4	27	16
Time Distribution:	Drilling:		Trip:		CCM:		Other:										
Circulating Information:		n:		K:		Type of Flow:		ECD:									

Field:	WILDCAT	Lease:	GATE CANYON STATE 31-	Well No.:	2-11-15	1	Date:	28-Feb-04
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CONFIDENTIAL

Field:	WILDCAT	Lease:	GATE CANYON STATE 31-21-11-15	Well #:	1	Date:	2/29/04
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Rig Phone: 435-823-4272

Drilling Rep:

MARK E. DIES

GASCO ENERGY INC

1

Daily Cost Estimate

INTANGIBLES				Daily	Cum
830.001	Surveying & Permits			0	0
830.006	Rig Mob/Demob			0	0
830.007	Drilling Cost	RIG DAY RATE	11,000	11,000	586,354
830.009	Fuel/Power			0	112,001
830.010	Rental Tools and Equipment		2,735	2,735	99,395
	MUD MOTOR	2,200	FLARE LINE W/IGNITOR 65		
	XO SUB	20	EPOCH		
	TELEDRFT	200			
	GAS BUSTER	125			
	POWER CHOKE	125			
830.011	Directional Tools, Surveys, & Services			0	0
830.012	Fishing Tools & Services		0	0	6,700
830.013	Bits, Stabilizers	DSX210		0	110,170
830.014	Drilling Mud & Chemicals	MI	1,547	1,547	111,297
830.015	Mud System Equipment Rental	MUD CLEANER	225	225	9,405
830.016	Casing Crews & Tools			0	9,698
830.017	Casing Hardware (Non-Salvageable)	GRACO		0	2,237
830.018	Cement & Cement Services			0	49,969
830.021	Mud Logging	COLUMBINE LOGGING SERVICE	775	775	37,975
830.020/830.023	Open Hole Logging and Coring			0	0
830.029	Pipe/Tubing Inspection and Testing	B&C QUICKTEST INC. (BOP)		0	8,166
830.035	Fluids/Cuttings Disposal			0	0
830.036	Transportation - Tugs/Boats/Barges/Air			0	0
830.037	Dock Services / Trucking	HOT SHOT FOR MOTOR		0	10,645
830.038	Communication	RIG PHONE AND INTERCOMS (MOUNTAIN WEST INC.)	20	20	1,040
830.019	Contract Labor	CIRCLE D TRASH HAUL		0	14,937
830.039	Wellsite Supervision	NEW TECH ENGINEERING	825	825	45,375
830.040	Overhead Expense - Administration (Office) & Eng			0	0
830.041	Insurance			0	0
830.043	Misc & Unforeseen (Includes General Supplies)	ZECO MUD CLEANER SCREEN		0	26,225
830.005	Water Well or Supply (potable Water)	DALBO (POTABLE WATER)		0	28,947
830.042	Plug & Abandon			0	0
830.044	Rihg Site Housing	MOUNTAIN WEST INC.		0	19,515
830.043	Contingency @ 10 %		1,713	1,713	129,005
830.058	Parish and State Taxes @ 7 %		1,199	1,199	90,304
TOTAL INTANGIBLE				20,039	1,509,359

CONFIDENTIAL

TANGIBLE				Daily	Cum
850.010	Caisson			0	0
850.010	Drive Pipe			0	0
850.010	Conductor Casing			0	0
850.020	Surface Casing	9,625 @ \$12.98/FT 3245'		0	42,120
850.030	Intermediate Casing			0	0
850.060	Drilling Liners	4.5 P-110 @ \$9.89/FT 12049'		0	119,165
850.051	Subsurface Equipment & Hardware			0	0
850.050	Wellhead Equipment and Trees			0	630
				0	0
				0	0
				0	0
				0	0
				0	0
				0	0
	Contingency @			0	0
850.058	Parish and State Taxes @ 7 %		0	0	11,334
TOTAL TANGIBLE				0	173,249
Total Daily Field Estimate				20,039	
Days on Location:	61	Total Cumulative Field Estimate		1,682,608	

CONFIDENTIAL

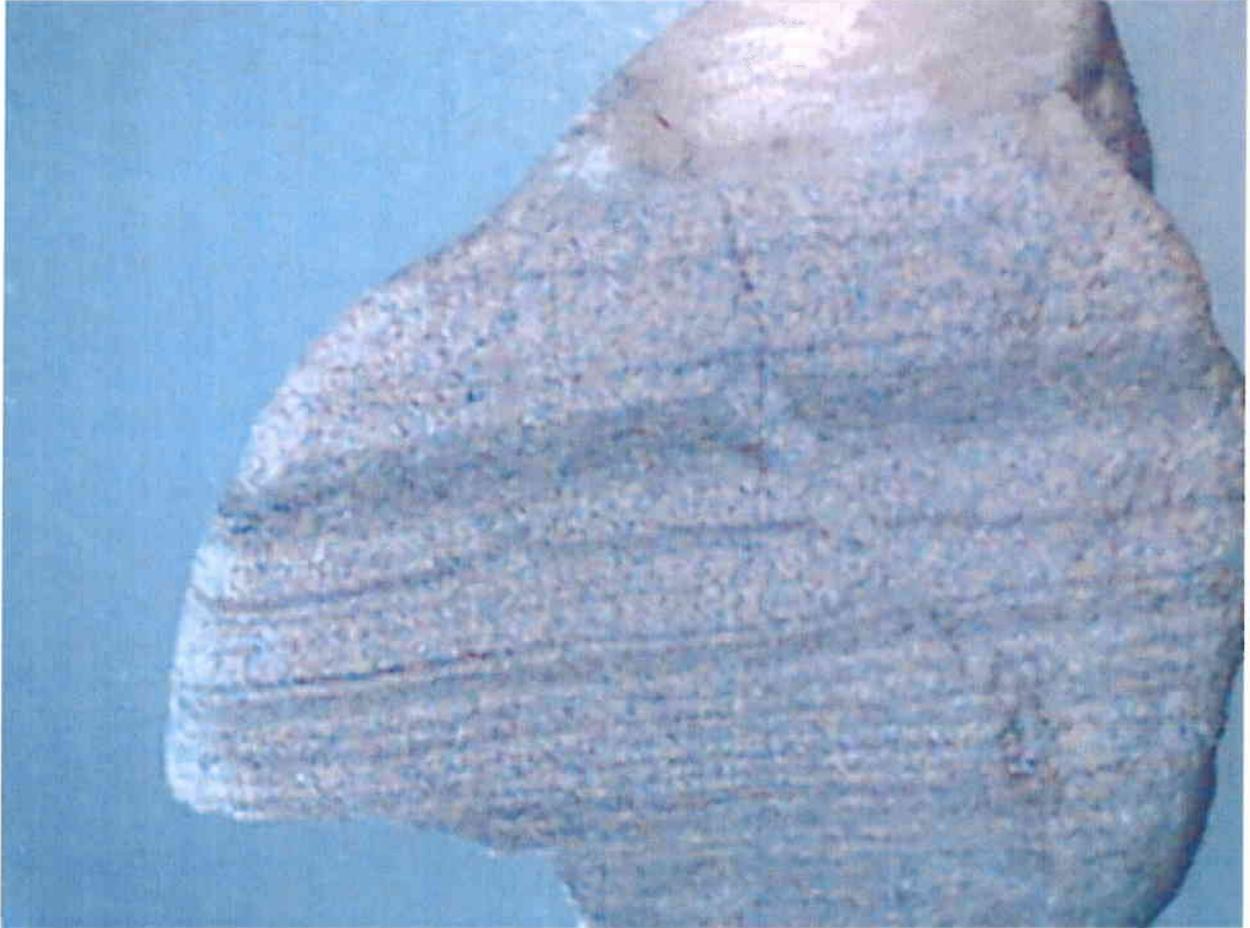
GASCO ENERGY INC. 1 **Daily Mud Report**

Spud Date: 12/31/03		MD (ft): 11,370'		TVD: 11,370'		Present Activity: DRILG											
Contractor: NABORS			Rig: NABORS 924			Report Number: 61											
Drilling Mud Supplier: MI				Report For Contract Supervisor:													
MUD VOLUME (BBL)																	
Hole: w/ DP 480		Hole: w/o DP 0		Pits: 800		Total Circ. Vol.: 1,280											
Storage:				Type: POLY/DAP													
CIRCULATING DATA																	
Bbl/Min: 8.9		Gal/Min: 373		Annual Vel. (Ft./Min)		DP: 0 DC: 0											
Circulation Pressure (PSI): 2,800		Bottoms Up Time (Min): 0		Total Circ. Time (Min.): 144.2													
Current Mud Properties				Mud Property Specifications													
Sample From: SUC		Wt:		Viscosity:		Filtrate:											
Time Sample Taken: 15:00		Mud Contains		Recommended Treatment													
Flowline Temperature (Deg. F): 100																	
Depth (ft): 11,321'																	
Weight (ppg): 9.60																	
Funnel Vis.(sec./qt.) API 95 Deg. F 36																	
Plastic Viscosity cp @ 95 Deg. F 7																	
Yield Point (lb/100 sq. ft.) 5																	
Gel Strength (lb/100 sq. ft.) 10 sec/10 min. 3/4/7																	
Filtrate API (cc/30 min.) 22.0																	
HTHP @ Deg. F PSI																	
Cake Thickness (32nd in API/HTHP) 1																	
Solids Content (% by vol.) Retort 5.0																	
Oil Content (% by vol.) Retort																	
Water Content (% by vol.) Retort 95.0																	
Sand Content (% by vol.) 0.25																	
Methylene Blue Capacity (lb/bbl. equiv.)																	
PH Meter @ 55 Deg. F 7.5																	
Alkalinity Mud (Pm) 0.40				EQUIPMENT													
Alkalinity Filtrate (pf/Mf) 4/6.9				Size		Hrs/Tour											
Carbonate Determination (mg/1000 cc)				Centrifuge		Cost Data											
Chloride (mg/1000 cc) 500				Degasser		Daily Cost: \$1,547											
Calcium (mg/1000 cc) /Mag (mg/1000 cc) 120				Desander													
Bentonite (lb/bbl.) -0.62				Desilter		Cumulative: \$111,297											
Solids % High Gravity / % Low Gravity 4.5% / 0.5%				Shaker													
Solids % Drill Solids / % Bentonite 0.6% / -0.1%				Other													
Corrected Solids/Corrected Saltwater 5.0% / 95.0%				Other													
DAPP (lbs/bbl) 6.2				Other													
Remarks:																	
Drilling Fluids Rep.: TOM RICE				Home Address:		Phone: 435-789-3107											
Mud or Consulting Co.: MI				Warehouse Location: VERNAL		Phone: 435-722-2466											
Mud Chemical Inventory																	
Units	SX	SX	SX	SX	SX	SX	SX	5 GAL	SX	SX	SX	SX	SX	SX	DRUM	SX	5 GAL
Cost/Unit	13.37	11.46	9.26	5.52	10.87	16.22	11.60	64.79	162.32	18.48	58.28	3.75	8.08	20.00	688.27	20.00	170.43
Description																	
Starting Inventory	495	53	352	1,020	0	205	70	124	101	23	119	33	96	0	4	27	16
Received																	
Used Last 24 Hours								6	7			6					
Closing Inventory	495	53	352	1,020	0	205	70	118	94	23	119	27	96	0	4	27	16
Time Distribution:	Drilling:		Trip:		CCM:		Other:										
Circulating Information:	n:		K:		Type of Flow:		ECD:										

CONFIDENTIAL

Field:	WILDCAT	Lease:	GATE CANYON STATE 31-	Well No:	21-11-15	1	Date:	29-Feb-04
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GASCO ENERGY INC

1

Drilling Activity Report Ver.6-13-01

Measured Depth: 111,430'	TVD: 111,430'	PBTD:	Proposed MD: 11,760'	Proposed TVD: 11,760'
DOL: 62	DFS: 61	Spud Date: 31-Dec-03	Daily Footage:	Daily Rot Hrs: 11.88
Torque:	Drag:	Rot Wt:	P/U Weight:	S/O Wt:
Last Casing Size: 9 5/8	Set At: 3,117'	TVD	Shoe Test: 11.88	Leakoff? Y N
Cum Rot Hrs on Casing:	Cum Rot Hrs on Casing Since Last Caliper:	Depth Worst Wear:	% Remaining:	
Liner Size:	Set At: TVD	Liner Top At: MD	TVD	
Mud Co: MI	Type: POLY/DAP	Sample From: SUC	Wt: 9.5	FV: 40
WL API: 12.8	HTHP: FC(1/32) API/HTHP: 1	Solids: 5.00	% Oil: 95.0	% Sand: 0.25
Pm: 0.20	Pf/Mf: 27.1	Carb: 500	Ca/Ma: 120	Bent: -1.47
Engr Service:	Sols % HGLG: 3.7% / 1.3%		% DS/Bent: 1.5% / -0.2%	

THIS RISE SEC-21
API# 43-013-33391

CONFIDENTIAL

Drig Gas: 30	Max Gas: 40	Conn. Gas: 50	Trip Gas:	Trip Ct:	Remarks: THRU GASBUSTER							
Bit No.	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out		
18	PDC	7 7/8"	SEC	106663	DSX210	25 25 25 28	2.03942	11,146'	11,282'			
19	847	7 7/8"	HC	5047929	HRP99DX	22 22 22 0	1.11367	11,282'	11,430'			
Feet	Hours	WOB	RPM	I-Rpw	O-Row	DC	Loc	B	G	Dull Char	Reason Pulled	Cost/Ft
136'	43.00	18-20	20-120	8	8	RO	A	XXX	1	DR	PR	
148'	25.00	28-34	20	1	1	NONE	N/A	111	1		TD	

Total Length of BHA: 778' BHA Description: BIT, MUD-MOTOR, TELE DRIFT, 24-6" DC's

										DC Size: 6 3/8"	DP Size: 4 1/2"	
Pump	Liner	Stroke	BBU/STK	SPM	Pressure	GPM	Jet Vel	DP AV	DC AV	Bit HHP	BHHP/SQ. IN.	Pump HHP
1	6.5	11	0.102	87	2,800	373	58	0	0	6	0.00	609
2	6.5	10	0.092	103	2,800	400	63	0	0	7	0.00	653

Survey MD	TVD	Angle	Direction	N/S Coordinate	E/W Coordinate	Vertical Section	DLS
	10383	1°					
	11319	1°					

Hrs.	From To	Operations
18:00	06:00 - 24:00	DRILLING AHEAD
01:00	00:00 - 01:00	DRILLING AHEAD
01:30	01:00 - 02:30	CIRC BU PUMP HI VIS SWEEP
03:30	02:30 - 06:00	POOH TO LOG W/SCHLUMBERGER
-	-	-
-	-	-
-	-	TD @ 11430 MD HOLE SLICK WATERLOSS DOWN TO <12
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

E & S Summary:			
Days Since Last:	Lost Time Accident: 1	OSHA Rec.: 1	MMS INCs: Spill:
Last BOP Test: 2/28/04	Next BOP Test: RKB - MSL: 14'	Water Depth:	
24 Hr Forecast: DRILLING	Drill Tech: Accidents:		
Daily Mud Cost: \$3,114	Daily Tangible Cost:	Daily Well Cost: \$30,062	AFE Number:
Cum Mud Cost: \$114,411	Cum Tangible Cost: \$173,249	Cum Well Cost: \$1,712,670	Total Appr:

Carol Daniels - WILDCAT 1 Mar 04 rpt.xls		Rig Phone: 435-823-4272	Drilling Rep: MARK F. JONES
Field: WILDCAT	Lease: GATE CANYON STATE 31-21-11-15	Well #: 1	Date: 3/1/04

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Field: WILDCAT	Lease: CANYON STATE 31-21-11-15	AFE No:	Date THRU: 3/1/04
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CONFIDENTIAL

GASCO ENERGY INC. 1 **Daily Mud Report**

Spud Date: 12/31/03	MD (ft): 111,430'	TVD: 111,430'	Present Activity: DRILG
Contractor: NABORS	Rig: NABORS 924	Report Number: 62	
Drilling Mud Supplier: MI	Report For Contract Supervisor:		

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MUD VOLUME (BBL)					
Hole: w/ DP	Hole: w/o DP	Pits:	Total Circ. Vol.:	Storage:	Type: POLY/DAP
480	0	800	1,280		

CIRCULATING DATA					
Bbl/Min:	Gal/Min:	Annual Vel. (Ft./Min)	DP:	DC:	
8.9	373		0	0	
Circulation Pressure (PSI):	Bottoms Up Time (Min):	Total Circ. Time (Min.):			
2,800	0	144.2			

Current Mud Properties			Mud Property Specifications		
Sample From	SUC	Wt:	Viscosity:	Filtrate:	
Time Sample Taken	13:00	Mud Contains		Recommended Treatment	
Flowline Temperature (Deg. F)	105				
Depth (ft)	11,390'				
Weight (ppg)	9.50				
Funnel Vis.(sec./qt.) API	95 Deg. F	40			
Plastic Viscosity cp @	95 Deg. F	12			
Yield Point (lb/100 sq. ft.)		5			
Gel Strength (lb/100 sq. ft.) 10 sec/10 min.		4/5/9			
Filtrate API (cc/30 min.)		12.8			
HTHP @	Deg. F	PSI			
Cake Thickness (32nd in API/HTHP)		1			
Solids Content (% by vol.) Retort		5.0			
Oil Content (% by vol.) Retort					
Water Content (% by vol.) Retort		95.0			
Sand Content (% by vol.)		0.25			
Methylene Blue Capacity (lb/bbl. equiv.)					
PH Meter @	55 Deg. F	8.0	EQUIPMENT		
Alkalinity Mud (Pm)		0.20	Size	Hrs/Tour	Cost Data
Alkalinity Filtrate (pf/Mf)		.27.1	Centrifuge		Daily Cost: \$3,114
Carbonate Determination (mg/1000 cc)			Degasser		
Chloride (mg/1000 cc)		500	Desander		
Calcium (mg/1000 cc) /Mag (mg/1000 cc)		120	Desilter		
Bentonite (lb/bbl.)		-1.47	Shaker		Cumulative: \$114,411
Solids % High Gravity / % Low Gravity		3.7% / 1.3%	Other		
Solids % Drill Solids / % Bentonite		1.5% / -0.2%	Other		
Corrected Solids/Corrected Saltwater		5.0% / 95.0%	Other		
DAPP (lbs/bbl)		6	Other		

Remarks:

Drilling Fluids Rep.: TOM RICE	Home Address:	Phone: 435-789-3107
Mud or Consulting Co.: MI	Warehouse Location: VERNAL	Phone: 435-722-2466

Mud Chemical Inventory																	
Units	SX	SX	SX	SX	SX	SX	SX	5 GAL	SX	SX	SX	SX	SX	SX	DRUM	SX	5 GAL
Cost/Unit	13.37	11.46	9.26	5.52	10.87	16.22	11.60	64.79	162.32	18.48	58.28	3.75	8.08	20.00	688.27	20.00	170.43
Description																	
Starting Inventory	495	53	352	1,020	0	205	70	118	94	23	119	27	96	0	4	27	16
Received																	
Used Last 24 Hours								18	12								
Closing Inventory	495	53	352	1,020	0	205	70	100	82	23	119	27	96	0	4	27	16
Time Distribution:	Drilling:			Trip:			CCM:			Other:							
Circulating Information:	n:			K:			Type of Flow:				ECD:						

Field:	WILDCAT	Lease:	GATE CANYON STATE 31-	Well No:	2-11-5	1	Date:	1-Mar-04
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CONFIDENTIAL

GASCO ENERGY INC

1

Drilling Activity Report Ver.6-13-01

*THIS RISE SEC-21
API# 43-013-32391*

Measured Depth:	11,430'	TVD:	11,430'	PBTD:		Proposed MD:	11,760'	Proposed TVD:	11,760'								
DOL:	63	DFS:	62	Spud Date:	31-Dec-03	Daily Footage:	0'	Daily Rot Hrs:		Total Rot Hrs:							
Torque:		Drag:		Rot Wt:		P/U Weight:		S/O Wt.		Wind:	8	Seas:	N/A	Bar:	29.48	POB:	
Last Casing Size:	9 5/8	Set At:	3,117'	TVD		Shoe Test:	11.88	Leakoff?	Y	N							
Cum Rot Hrs on Casing:		Cum Rot Hrs on Casing Since Last Calliper:		Depth Worst Wear:		% Remaining:											
Liner Size:		Set At:		TVD		Liner Top At:		MD		TVD							
Mud Co:	MI	Type:	POLY/DAP			Sample From:	Wt:	FV:	PV:	YP:	Gel:						
WL AP:	HTHP:	FC(1/32) API/HTHP:	Solids:	% Oil:	% Water:	% Sand:	MBT:	pH:									
Pm:	Pf/M:	Carb:	Cl:	Ca/Ma:	Bent:	Solids % HG/LG:	% DS/Bent:										
Engr Service	addd last																

CONFIDENTIAL

Drig Gas:	Max Gas:	Conn. Gas:	Trip Gas:	Trip Cl:	Remarks:							
Bit No.	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out		
18	PDC	7 7/8"	SEC	106663	DSX210	25 25 25 28	2.03942	11,146'	11,282'			
19	847	7 7/8"	HC	5047929	HRP99DX	22 22 22 0	1.11367	11,282'	11,430'			
Feet	Hours	WOB	RPM	I-Rov	O-Rov	DC	Loc	B	G	Dull Char	Reason Pulled	Cost/Ft
136'	43.00	18-20	20-120	8	8	RO	A	XXX	1	DR	PR	
148'	25.00	28-34	20	1	1	NONE	N/A	111	1		TD	
Total Length of BHA:		778'										
BHA Description:		BIT, MUD-MOTOR, TELE DRIFT, 24-6" DC's										

											DC Size:	6 3/8"	DP Size:	4 1/2"
Pump	Liner	Stroke	BBL/STK	SPM	Pressure	GPM	Jet Vel	DP AV	DC AV	BIT HHP	BHHP/SQ. IN.	Pump HHP		
1	6.5	11	0.102	87	2,800	373	58	0	0	0	0.00	609		
2	6.5	10	0.092	103	2,800	400	63	0	0	0	0.00	653		
Survey MD	TVD	Angle	Direction	N/S Coordinate	E/W Coordinate	Vertical Section	DLS							
	10383	1°												
	11319	1°												

Hrs.	(From To) hh:mm	Operations Covering 24 Hours Ending at 06:00 Hours
03:30	06:00 - 09:30	POOH
03:30	09:30 - 13:00	RIG UP LOGGING UNIT, ATTEMPT TO RIH WITH LOGGING TOOL TOOL WOULD NOT GET OUTSIDE OF SHOE POOH TO CHECK TOOLS NOTHING FOUND
01:30	13:00 - 14:30	M/U BIT RIH TAGGED FISH AT 3117'
06:30	14:30 - 21:00	ATTEMPTED TO WORK FISH TO BOTTOM, WORKED IT TO 3297' MD
01:30	21:00 - 22:30	POOH TO PU FISHING TOOLS
01:30	22:30 - 24:00	PU FISHING TOOLS, TIH TAG FISH @ 3297' MD
04:00	00:00 - 04:00	PU FISHING TOOLS, TIH TAG FISH @ 3297' MD
02:00	04:00 - 06:00	MILLING ON FISH
-	-	-
-	-	-
-	-	-
-	-	-

E & S Summary:			
Days Since Last:	Lost Time Accident: 1	OSHA Rec.: 1	MMS INCs: Spill:
Last BOP Test:	2/28/04	Next BOP Test:	RKB - MSL: 14'
Water Depth:			
24 Hr Forecast:	DRILLING		
Daily Mud Cost:	Daily Tangible Cost:	Daily Well Cost:	AFE Number:
		\$42,201	
Cum Mud Cost:	Cum Tangible Cost:	Cum Well Cost:	Total Appr:
\$114,411	\$173,249	\$1,754,871	

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Field:	WILDCAT	Lease:	CANYON STATE 31-21-11-15	AFE No:		Date THRU:	3/2/04
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CONFIDENTIAL

GASCO ENERGY INC. 1 **Daily Mud Report**

Spud Date: 12/31/03	MD (ft): 11,430'	TVD: 11,430'	Present Activity: DRILG
Contractor: NABORS	Rig: NABORS 924	Report Number: 63	
Drilling Mud Supplier: MI	Report For Contract Supervisor:		

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MUD VOLUME (BBL)					
Hole: w/ DP	Hole: w/o DP	Pits:	Total Circ. Vol.:	Storage:	Type: POLY/DAP
480	0	800	1,280		

CIRCULATING DATA					
Bbl/Min:	Gal/Min:	Annual Vel. (Fl./Min)	DP:	DC:	
8.9	373		0	0	
Circulation Pressure (PSI):	Bottoms Up Time (Min):	Total Circ. Time (Min.):			
2,800	0	144.2			

Current Mud Properties	Mud Property Specifications
Sample From	Wt: Viscosity: Filtrate:
Time Sample Taken	Mud Contains
Flowline Temperature (Deg. F)	
Depth (ft)	
Weight (ppg)	
Funnel Vis.(sec./qt.) API 95 Deg. F	
Plastic Viscosity cp @ 95 Deg. F	
Yield Point (lb/100 sq. ft.)	
Gel Strength (lb/100 sq. ft.) 10 sec/10 min.	
Filtrate API (cc/30 min.)	
HTHP @ Deg. F PSI	
Cake Thickness (32nd in API/HTHP)	
Solids Content (% by vol.) Retort	
Oil Content (% by vol.) Retort	
Water Content (% by vol.) Retort	
Sand Content (% by vol.)	
Methylene Blue Capacity (lb/bbl. equiv.)	

PH Meter @ 55 Deg. F	EQUIPMENT				Cost Data
Alkalinity Mud (Pm)	Size	Hrs/Tour			
Alkalinity Filtrate (pf/Mf)	Centrifuge			Daily Cost: \$0	
Carbonate Determination (mg/1000 cc)	Degasser				
Chloride (mg/1000 cc)	Desander				
Calcium (mg/1000 cc) /Mag (mg/1000 cc)	Desilter				
Bentonite (lb/bbl.)	Shaker			Cumulative: \$114,411	
Solids % High Gravity / % Low Gravity	Other				
Solids % Drill Solids / % Bentonite	Other				
Corrected Solids/Corrected Saltwater	Other				
DAPP (lbs/bbl) 6	Other				

Remarks:

Drilling Fluids Rep.: TOM RICE	Home Address:	Phone: 435-789-3107
Mud or Consulting Co.: MI	Warehouse Location: VERNAL	Phone: 435-722-2466

Mud Chemical Inventory																	
Units	SX	SX	SX	SX	SX	SX	SX	SX	5 GAL	SX	SX	SX	SX	SX	DRUM	SX	5 GAL
Cost/Unit	13.37	11.46	9.26	5.52	10.87	16.22	11.80	64.79	162.32	18.48	58.28	3.75	8.08	20.00	668.27	20.00	170.43
Description																	
Starting Inventory	495	53	352	1,020	0	205	70	100	82	23	119	27	96	0	4	27	16
Received																	
Used Last 24 Hours																	
Closing Inventory	495	53	352	1,020	0	205	70	100	82	23	119	27	96	0	4	27	16
Time Distribution:	Drilling:				Trip:				CCM:				Other:				
Circulating Information:	n:				K:				Type of Flow:				ECD:				

Field:	WILDCAT	Lease:	GATE CANYON STATE 31-	Well No:	21-11-15		1	Date:	2-Mar-04
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CONFIDENTIAL

GASCO ENERGY INC

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Drilling Activity Report Ver.6-13-01

Measured Depth:	11,430'	TVD:	11,430'	PBTD:		Proposed MD:	11,760'	Proposed TVD:	11,760'								
DOL:	64	DFS:	65	Spud Date:	31-Dec-03	Daily Footage:	0'	Daily Rot Hrs:	0	Total Rot Hrs:	0						
Torque:		Drag:		Rot Wt:		P/U Weight:		S/O Wt:		Wind:	8	Seas:	N/A	Bar:	29.48	POB:	
Last Casing Size:	9 5/8	Set At:	TVD		3,117'		3,117'	Shoe Test:	11.88	Leakoff?	Y	N					
Cum Rot Hrs on Casing:		Cum Rot Hrs on Casing Since Last Calliper:		Depth Worst Wear:		% Remaining:											
Liner Size:		Set At:	TVD			Liner Top At:	MD		TVD								
Mud Co:	MI	Type:	POLY/DAP	Sample From:		WT:		FV:		PV:		YP:		Gel:			
WL API:		HTHP:		FC(1/32) API/HTHP:		Solids:		% Oil:		% Water:		% Sand:		MBT:		pH:	
Pm:		Pf/Mf:		Carb:		Cl:		Ca/Ma:		Bent:		Solids % HG/LG:		% DS/Bent:			
Engr Service			add														
			d														
			last														

THIS RISE SEC 21
APE # 43-013-32391

CONFIDENTIAL

Drig Gas:	Max Gas:	Conn. Gas:	Trip Gas:	Trip Cl:	Remarks:					
Bit No.	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out
18	PDC	7 7/8"	SEC	106663	DSX210	25 25 25 28	2.03942	11,146'	11,282'	
19	847	7 7/8"	HC	5047929	HRP99DX	22 22 22 0	1.11367	11,282'	11,430'	

Feet	Hours	WOB	RPM	I-Rpw	O-Row	DC	Loc	B	G	Dull Char	Reason Pulled	Cost/Ft
136'	43.00	18-20	20-120	8	8	RO	A	XXX	1	DR	PR	
148'	25.00	28-34	20	1	1	NONE	N/A	111	1		TD	

Total Length of BHA: 778' BHA Description: BIT, MUD-MOTOR, TELE DRIFT, 24-6" DC's

Pump	Liner	Stroke	BBL/STK	SPM	Pressure	GPM	Jet Vel	DP AV	DC AV	Bit HHP	BHHP/SQ IN	Pump HHP
1	6.5	11	0.102	87	2,800	373	58	0	0	0	0.00	609
2	6.5	10	0.092	103	2,800	400	63	0	0	0	0.00	653

Survey MD	TVD	Angle	Direction	N/S Coordinate	E/W Coordinate	Vertical Section	DLS
	10383	1°					
	11319	1°					

Hrs.	(From To) h:mm	Operations Covering 24 Hours Ending at 06:00 Hours
02:00	06:00 - 08:00	MILL ON FISH
05:30	08:00 - 13:30	SET BACK KELL TIH TO BOTTOM
01:00	13:30 - 14:30	PU KELL TO CIRC
08:00	14:30 - 22:30	POOH
01:30	22:30 - 24:00	RIG UP SCHLUMBERGER
01:30	00:00 - 01:30	RIG UP SCHLUMBERGER
02:00	01:30 - 03:30	RIH TO 3800' TO WARM UP TOOL, PU TO CASING, TIGHT COMING BACK UP, INITIATE TOOL START DOWN TO SHOE DEPTH, FOUNF TO BE 3094' MD (23 FT DISCREPANCY WITH TALLEY) RIH CAN GET NO DEEPER THAN 3334' MD, SCHLUMBERGER WILL NOT SPUD TOOL, WORKED WITH IT 20 MINUTES, SCHLUMBERGER GAVE U
02:30	03:30 - 06:00	MU BIT, RIH FOR WIPER TRIP. PLAN TO RUN 42 STANDS IN TO 3948' BREAK CIRC

E & S Summary:

Days Since Last: Lost Time Accident: 1 OSHA Rec.: 1 MMS INCs: Spill:

Last BOP Test: 2/28/04 Next BOP Test: RKB - MSL: 14' Water Depth:

24 Hr Forecast: DRILLING Drill Tech: Accidents:

Daily Mud Cost:	Daily Tangible Cost:	Daily Well Cost:	AFE Number:
		\$25,822	
Cum Mud Cost:	Cum Tangible Cost:	Cum Well Cost:	Total Appr:
\$114,411	\$173,249	\$1,780,693	

Daniels - WILDCAT1Mar03rpt.xls		Rig Phone: 435-823-4272	Drilling Rep: MARK F. JONES
Field: WILDCAT	Lease: GATE CANYON STATE 31-21-11-15	Well #: 1	Date: 3/3/04

CONFIDENTIAL

GASCO ENERGY INC

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Daily Cost Estimate

CONFIDENTIAL

INTANGIBLES				Daily	Cum
330.001	Surveying & Permits			0	0
330.006	Rig Mob/Demob			0	0
330.007	Drilling Cost	RIG DAY RATE	11,000	11,000	619,354
330.009	Fuel/Power			0	118,006
330.010	Rental Tools and Equipment		2,735	2,735	107,600
	MUD MOTOR	2,200	FLARE LINE W/IGNITOR 65		
	XO SUB	20	EPOCH		
	TELEDRFT	200			
	GAS BUSTER	125			
	POWER CHOKE	125			
330.011	Directional Tools, Surveys, & Services			0	0
330.012	Fishing Tools & Services		5,758	5,758	12,458
330.013	Bits, Stabilizers		HRP99DX	0	124,170
330.014	Drilling Mud & Chemicals		MI	0	114,411
330.015	Mud System Equipment Rental		MUD CLEANER	225	10,080
330.016	Casing Crews & Tools			0	9,698
330.017	Casing Hardware (Non-Salvageable)		GRACO	0	2,237
330.018	Cement & Cement Services			0	49,969
330.021	Mud Logging		COLUMBINE LOGGING SERVICE	775	40,300
330.020/330.023	Open Hole Logging and Coring		SCHLUMBERGER	0	6,829
330.029	Pipe/Tubing Inspection and Testing			0	8,166
330.035	Fluids/Cuttings Disposal			0	0
330.036	Transportation - Tugs/Boats/Barges/Air			0	0
330.037	Dock Services / Trucking		HOT SHOT FOR MAGNETS	263	10,908
330.038	Communication		RIG PHONE AND INTERCOMS (MOUNTAIN WEST INC.)	20	1,100
330.019	Contract Labor		CIRCLE D TRASH HAUL	0	15,592
330.039	Wellsite Supervision		NEW TECH ENGINEERING	825	47,850
330.040	Overhead Expense - Administration (Office) & Eng			0	0
330.041	Insurance			0	0
330.043	Misc & Unforeseen (Includes General Supplies)		ZECO MUD CLEANER SCREEN	0	26,225
330.005	Water Well or Supply (potable Water)		DALBO (POTABLE WATER)	470	29,417
330.042	Plug & Abandon			0	0
330.044	Rihg Site Housing		MOUNTAIN WEST INC.	0	19,515
330.043	Contingency @	10 %		2,207	137,388
330.058	Parish and State Taxes @	7 %		1,545	96,172
TOTAL INTANGIBLE				25,822	1,607,444

TANGIBLE				Daily	Cum
350.010	Caisson			0	0
350.010	Drive Pipe			0	0
350.010	Conductor Casing			0	0
350.020	Surface Casing		9.625 @ \$12.98/FT 3245'	0	42,120
350.030	Intermediate Casing			0	0
350.060	Drilling Liners		4.5 P-110 @ \$9.89/FT 12049'	0	119,165
350.051	Subsurface Equipment & Hardware			0	0
350.050	Wellhead Equipment and Trees			0	630
				0	0
				0	0
				0	0
				0	0
				0	0
	Contingency @			0	0
350.058	Parish and State Taxes @	7 %		0	11,334
TOTAL TANGIBLE				0	173,249
Total Daily Field Estimate				25,822	
Days on Location:	64	Total Cumulative Field Estimate			1,780,693

Field: WILDCAT	Lease: CANYON STATE 31-21-11-15	AFE No:	Date THRU: 3/3/04
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GASCO ENERGY INC.

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Daily Mud Report

CONFIDENTIAL

Spud Date: 12/31/03	MD (ft): 11,430'	TVD: 11,430'	Present Activity: DRILG															
Contractor: NABORS	Rig: NABORS 924	Report Number: 64																
Drilling Mud Supplier: MI	Report For Contract Supervisor:																	
MUD VOLUME (BBL)																		
Hole: w/ DP 480	Hole: w/o DP 0	Pits: 800	Total Circ. Vol.: 1,280															
Storage:	Type: POLY/DAP																	
CIRCULATING DATA																		
Bbl/Min: 8.9	Gal/Min: 373	Annual Vel. (Ft./Min)	DP: 0 DC: 0															
Circulation Pressure (PSI): 2,800	Bottoms Up Time (Min): 0	Total Circ. Time (Min.): 144.2																
Current Mud Properties		Mud Property Specifications																
Sample From	WT:	Viscosity:	Filtrate:															
Time Sample Taken	Mud Contains		Recommended Treatment															
Flowline Temperature (Deg. F)																		
Depth (ft)																		
Weight (ppg)																		
Funnel Vis.(sec./qt.) API 95 Deg. F																		
Plastic Viscosity cp @ 95 Deg. F																		
Yield Point (lb/100 sq. ft.)																		
Gel Strength (lb/100 sq. ft.) 10 sec/10 min.																		
Filtrate API (cc/30 min.)																		
HTHP @ Deg. F PSI																		
Cake Thickness (32nd in API/HTHP)																		
Solids Content (% by vol.) Retort																		
Oil Content (% by vol.) Retort																		
Water Content (% by vol.) Retort																		
Sand Content (% by vol.)																		
Methylene Blue Capacity (lb/bbl. equiv.)																		
PH Meter @ 55 Deg. F	EQUIPMENT		Cost Data															
Alkalinity Mud (Pm)	Size	Hrs/Tour																
Alkalinity Filtrate (pf/Mf)	Centrifuge		Daily Cost:															
Carbonate Determination (mg/1000 cc)	Degasser																	
Chloride (mg/1000 cc)	Desander																	
Calcium (mg/1000 cc) /Mag (mg/1000 cc)	Desilter		Cumulative:															
Bentonite (lb/bbl.)	Shaker																	
Solids % High Gravity / % Low Gravity	Other																	
Solids % Drill Solids / % Bentonite	Other																	
Corrected Solids/Corrected Saltwater	Other		\$114,411															
DAPP (lbs/bbl)	Other																	
Remarks:																		
Drilling Fluids Rep.: TOM RICE		Home Address:	Phone: 435-789-3107															
Mud or Consulting Co.: MI		Warehouse Location: VERNAL	Phone: 435-722-2466															
Mud Chemical Inventory																		
Units	SX	SX	SX	SX	SX	SX	SX	SX	5 GAL	SX	SX	SX	SX	SX	SX	DRUM	SX	5 GAL
Cost/Unit	13.37	11.46	9.26	5.52	10.87	16.22	11.80	64.79	162.32	18.48	58.28	3.75	8.08	20.00	688.27	20.00	170.43	
Description																		
Starting Inventory	495	53	352	1,020	0	205	70	100	82	23	119	27	96	0	4	27	16	
Received																		
Used Last 24 Hours																		
Closing Inventory	495	53	352	1,020	0	205	70	100	82	23	119	27	96	0	4	27	16	
Time Distribution:	Drilling:		Trip:		CCM:				Other:									
Circulating Information:	n:		K:		Type of Flow:				ECD:									

Field:	WILDCAT	Lease:	GATE CANYON STATE 31-	Well No.:	13-11-15	1	Date:	3-Mar-04
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CONFIDENTIAL

GASCO ENERGY INC

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Drilling Activity Report Ver.6-13-01

Measured Depth:	11,430'	TVD:	11,430'	PBTD:		Proposed MD:	11,760'	Proposed TVD:	11,760'		
DOL:	65	DPS:	64	Spud Date:	31-Dec-03	Daily Footage:		Daily Rot Hrs:		Total Rot Hrs:	
Torque:		Drag:		Rot Wt:		P/U Weight:		S/O Wt.		Wind:	8
Last Casing Size:	9 5/8	Set At:	TVD			Shoe Test:	11.88	Leakoff?	Y	N	
Cum Rot Hrs on Casing:		Cum Rot Hrs on Casing Since Last Calliper:	3,117'	Depth Worst Wear:		% Remaining:					
Liner Size:		Set At:	TVD			Liner Top At:		MD	TVD		
Mud Co:	MI	Type:	POLY/DAP	Sample From:	ACT	Wt:	9.3	FV:	39	PV:	10
WLAPI:	12.0	HHP:		FC(1/32) API/HHP:	1	Solids:	4.60	% Oil:		% Water:	95.4
Pm:	0.30	Pf/Mf:	.3/6.7	Carb:		Cl:	500	Ca/Ma:	120	Bent:	-2.26
Engr Service								Solids % HG/LG:	2.6% / 2.0%	% DS/Bent:	2.2% / -0.2%

*THIS RISE SEC-21
AP# 43-013-33391*

CONFIDENTIAL

Drig Gas:	Max Gas:	Conn. Gas:	Trip Gas:	Trip Cl:	Remarks:							
Bit No.	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Cut		
18	PDC	7 7/8"	SEC	106663	DSX210	25 25 25 28	2.03942	11,146'	11,282'			
19	847	7 7/8"	HC	5047929	HRP99DX	22 22 22 0	1.11367	11,282'	11,430'			
Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Dull Char	Reason Pulled	Cost/Ft
136'	43.00	18-20	20-120	8	8	RO	A	XXX	1	DR	PR	
148'	25.00	28-34	20	1	1	NONE	N/A	111	1		TD	

Total Length of BHA: 778' BHA Description: BIT, MUD-MOTOR, TELE DRIFT, 24-6" DC's

Pump	Liner	Stroke	BBL/STK	SPM	Pressure	GPM	Jet Vel	DP AV	DC AV	Bit HHP	BHHP/SQ IN	Pumd HHP
1	6.5	11	0.102	87	2,800	373	58	0	0	6	0.00	609
2	6.5	10	0.092	103	2,800	400	63	0	0	7	0.00	653
Survey MD	TVD	Angle	Direction	N/S Coordinate	E/W Coordinate	Vertical Section	DLS					
	10383	1°										
	11319	1°										

Hrs.	(From To)	Operations Covering 24 Hours Ending at 06:00 Hours
01:00	06:00 - 07:00	RIH TO 5978'
00:30	07:00 - 07:30	PU KELLY CIRC BU
03:00	07:30 - 10:30	POOH
07:30	10:30 - 18:00	RIH WITH LOGGING TOOLS UNABLE TO GET PAST 3994' ATTEMPT TO WORK TOOLS, U8NSUCCESSFUL POOH WITH TOOLS, BREAK OUT RESISTIVITY TOOL RIH BLUNT ENDED, SAME RESULT POOH TO EVALUATE SITUATION.
04:30	18:00 - 22:30	RUN IN HOLE WITH OPEN ENDED DP, TO 3900' PU KELLY AND WORK INTERVAL OF PRECIOUS LOGGING RU NO PROBLEM, CONTINUE TO RIH
01:30	22:30 - 24:00	CONTINUE TO RIH TO 5186, TIGHT SPOT, POSSIBLY DIFFERENTIAL STICKING, SPOTTED SHALE STABILIZEIN WORKED PIPE BELOW STICKY AREA CIRC BU CONDITIONED HOLE. CONTINUE RIH
06:00	00:00 - 06:00	RIH TO 11352', WASH DOWN FINAL STANDS, ABUNDANT CAVINGS AND FILL ACROSS SHAKERS, CONDITION

E & S Summary:	
Days Since Last:	Lost Time Accident: 1 OSHA Rec.: 1 MMS INCs: Spill:
Last BOP Test:	2/28/04 Next BOP Test: RKB - MSL: 14' Water Depth:
24 Hr Forecast:	DRILLING
Daily Mud Cost:	\$896
Daily Tangible Cost:	
Daily Well Cost:	\$39,189
AFE Number:	
Cum Mud Cost:	\$115,307
Cum Tangible Cost:	\$173,249
Cum Well Cost:	\$1,819,882
Total Appr:	

Care Daniels - WILDCAT 1 Mar 04 rpt.xls		Rig Phone: 435-823-4272	Drilling Rep: MARK F. DANIELS
Field: WILDCAT	Lease: GATE CANYON STATE 31-21-11-15	Well #: 1	Date: 3/4/04

CONFIDENTIAL

GASCO ENERGY INC

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Daily Cost Estimate

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INTANGIBLES				Daily	Cum	
830.001	Surveying & Permits			0	0	
830.006	Rig Mob/Demob			0	0	
830.007	Drilling Cost	RIG DAY RATE	11,000	11,000	630,354	
830.009	Fuel/Power			0	118,006	
830.010	Rental Tools and Equipment		2,735	2,735	110,335	
	MUD MOTOR	2,200	FLARE LINE W/IGNITOR 65			
	XO SUB	20	EPOCH			
	TELEDRFT	200				
	GAS BUSTER	125				
	POWER CHOKE	125				
830.011	Directional Tools, Surveys, & Services			0	0	
830.012	Fishing Tools & Services			0	12,458	
830.013	Bits, Stabilizers		HRP99DX	0	124,170	
830.014	Drilling Mud & Chemicals		MI	896	896	115,307
830.015	Mud System Equipment Rental		MUD CLEANER	225	225	10,305
830.016	Casing Crews & Tools			0	9,698	
830.017	Casing Hardware (Non-Salvageable)		GRACO	0	2,237	
830.018	Cement & Cement Services			0	49,969	
830.021	Mud Logging		COLUMBINE LOGGING SERVICE	775	775	41,075
830.020/830.023	Open Hole Logging and Coring		SCHLUMBERGER	13,461	13,461	20,290
830.029	Pipe/Tubing Inspection and Testing			0	8,166	
830.035	Fluids/Cuttings Disposal			0	0	
830.036	Transportation - Tugs/Boats/Barges/Air		NEBECKER TRUCKING	3,088	3,088	3,088
830.037	Dock Services / Trucking		HOT SHOT FOR MAGNETS	0	10,908	
830.038	Communication		RIG PHONE AND INTERCOMS (MOUNTAIN WEST INC.)	20	20	1,120
830.019	Contact Labor		CIRCLE D TRASH HAUL	0	15,592	
830.039	Wellsite Supervision		NEW TECH ENGINEERING	825	825	48,675
830.040	Overhead Expense - Administration (Office) & Eng			0	0	
830.041	Insurance			0	0	
830.043	Misc & Unforeseen (Includes General Supplies)		ZECO MUD CLEANER SCREEN	0	26,225	
830.005	Water Well or Supply (potable Water)		DALBO (POTABLE WATER)	470	470	29,887
830.042	Plug & Abandon			0	0	
830.044	Rihg Site Housing		MOUNTAIN WEST INC.	0	19,515	
830.043	Contingency @	10 %		3,350	3,350	140,738
830.058	Parish and State Taxes @	7 %		2,345	2,345	98,517
TOTAL INTANGIBLE				39,189	1,646,634	

TANGIBLE				Daily	Cum
850.010	Caisson			0	0
850.010	Drive Pipe			0	0
850.010	Conductor Casing			0	0
850.020	Surface Casing		3.625 @ \$12.98/FT 3245'	0	42,120
850.030	Intermediate Casing			0	0
850.060	Drilling Liners		4.5 P-110 @ \$9.89/FT 12049'	0	119,165
850.051	Subsurface Equipment & Hardware			0	0
850.050	Wellhead Equipment and Trees			0	630
				0	0
				0	0
				0	0
				0	0
				0	0
	Contingency @			0	0
850.058	Parish and State Taxes @	7 %		0	11,334
TOTAL TANGIBLE				0	173,249
Total Daily Field Estimate				39,189	
Days on Location:	65	Total Cumulative Field Estimate			1,819,882

CONFIDENTIAL

GASCO ENERGY INC.

1

Daily Mud Report

Spud Date:	12/31/03	MD (ft):	11,430'	TVD:	11,430'	Present Activity:	DRILG										
Contractor:	NABORS	Rig:	NABORS 924	Report Number:	65												
Drilling Mud Supplier	MI	Report For Contract Supervisor:															
MUD VOLUME (BBL)																	
Hole: w/ DP	480	Hole: w/o DP	0	Pits:	800	Total Circ. Vol.:	1,280										
Storage:							Type:	POLY/DAP									
CIRCULATING DATA																	
Bbl/Min:	8.9	Gal/Min:	373	Annual Vel. (Ft./Min)	DP: 0 DC: 0												
Circulation Pressure (PSI):	2,800	Bottoms Up Time (Min):	0	Total Circ. Time (Min.):	144.2												
Current Mud Properties				Mud Property Specifications													
Sample From	ACT			WT:	Viscosity:	Filtrate:											
Time Sample Taken	14:00			Mud Contains		Recommended Treatment											
Flowline Temperature (Deg. F)	90																
Depth (ft)	11,430'																
Weight (ppg)	9.30																
Funnel Vis.(sec./qt.) API	95	Deg. F	39														
Plastic Viscosity cp @	95	Deg. F	10														
Yield Point (lb/100 sq. ft.)	5																
Gel Strength (lb/100 sq. ft.) 10 sec/10 min.	3/4/6																
Filtrate API (cc/30 min.)	12.0																
HHP @	Deg. F	PSI															
Cake Thickness (32nd in API/HHP)	1																
Solids Content (% by vol.) Retort	4.6																
Oil Content (% by vol.) Retort																	
Water Content (% by vol.) Retort	95.4																
Sand Content (% by vol.)	TR																
Methylene Blue Capacity (lb/bbl. equiv.)																	
PH Meter @	55	Deg. F	8.0	EQUIPMENT													
Alkalinity Mud (Pm)	0.30			Size		Hrs/Four											
Alkalinity Filtrate (pf/M)	.3/6.7			Centrifuge													
Carbonate Determination (mg/1000 cc)				Degasser													
Chloride (mg/1000 cc)	500			Desander													
Calcium (mg/1000 cc) /Mag (mg/1000 cc)	120			Desilter													
Bentonite (lb/bbl.)	-2.26			Shaker													
Solids % High Gravity / % Low Gravity	2.6% / 2.0%			Other													
Solids % Drill Solids / % Bentonite	2.2% / -0.2%			Other													
Corrected Solids/Corrected Saltwater	4.6% / 95.4%			Other													
DAPP (lbs/bbl)	5.8			Other													
Remarks:																	
Drilling Fluids Rep.:				Home Address:		Phone:											
TOM RICE						435-789-3107											
Mud or Consulting Co.:				Warehouse Location:		Phone:											
MI				VERNAL		435-722-2466											
Mud Chemical Inventory																	
Units	SX	SX	SX	SX	SX	SX	SX	5 GAL	SX	SX	SX	SX	SX	SX	DRUM	SX	5 GAL
Cost/Unit	13.37	11.46	9.26	5.52	10.87	16.22	11.80	64.79	162.32	18.48	58.28	3.75	8.08	20.00	668.27	20.00	170.43
Description																	
Starting Inventory	495	53	352	1,020	0	205	70	100	82	23	119	27	96	0	4	27	16
Received																	
Used Last 24 Hours																	
Closing Inventory	495	53	352	940	0	205	70	98	80	23	119	27	96	0	4	27	16
Time Distribution:	Drilling:		Trip:		CCM:				Other:								
Circulating Information:	n:		K:		Type of Flow:				ECD:								

CONFIDENTIAL

Case: Daniels - WILDCAT 1Mar04rpt.xls		Drilling Rep:	MARK F BARN					
Field:	WILDCAT	Lease:	GATE CANYON STATE 31-	Well No:	21-11-15	1	Date:	4-Mar-04

CONFIDENTIAL

GASCO ENERGY INC

1

Drilling Activity Report

Ver.6-13-01

Measured Depth:	11,430'	TVD:	11,430'	PBD:		Proposed MD:	11,760'	Proposed TVD:	11,760'		
DOL:	66	DFS:	65	Spud Date:	31-Dec-03	Daily Footage:		Daily Rot Hrs:		Total Rot Hrs:	
Torque:		Drag:		Rot Wt:		P/U Weight:		S/O Wt.		Wind:	8
Last Casing Size:	9 5/8	Set At:	3,117'	TVD		Shoe Test:	11.88	Leakoff?	Y	N	
Cum Rot Hrs on Casing:		Cum Rot Hrs on Casing Since Last Caliper:	3,117'	Depth Worst Wear:		% Remaining:					
Liner Size:		Set At:		TVD		Liner Top At:		MD		TVD	
Mud Co:	MI	Type:	POLY/DAP	Sample From:		Wt:		FV:		PV:	
WLAPI:		HTHP:		FC(1/32) API/HTHP:		Solids:		% Oil:		% Water:	
Pm:		Pf/Mf:		Carb:		Cl:		Ca/Ma:		Bent:	
Engr Service								Solids % HG/LG:		% DS/Bent:	

THIS RISE SEC-21
API # 43-013-32391

CONFIDENTIAL

Drig Gas:	Max Gas:	Conn. Gas:	Trip Gas:	Trip Cl:	Remarks:							
Bit No.	IADC	Size	Manufacturer	Serial Number	Type	Jes	TFA	MD In	MD Out	TVD Out		
18	PDC	7 7/8"	SEC	106663	DSX210	25 25 25 28	2.03942	11,146'	11,282'			
19	847	7 7/8"	HC	5047929	HRP99DX	22 22 22 0	1.11367	11,282'	11,430'			
Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Dull Char	Reason Pulled	Cost/Ft
136'	43.00	18-20	20-120	8	8	RO	A	XXX	1	DR	PR	
148'	25.00	28-34	20	1	1	NONE	N/A	111	1		TD	

Total Length of BHA: 778' BHA Description: BIT, MUD-MOTOR, TELE DRIFT, 24-6" DC's

Pump	Liner	Stroke	BBL/STK	SPM	Pressure	GPM	Jet Vel	DP AV	DC AV	Bit HHP	BHHP/SQ IN	Pump HHP
1	6.5	11	0.102	87	2,800	373	58	0	0	0	0.00	609
2	6.5	10	0.092	103	2,800	400	63	0	0	0	0.00	653

Survey MD	TVD	Angle	Direction	N/S Coordinate	E/W Coordinate	Vertical Section	DLS
	10383	1°					
	11319	1°					

Hrs.	(From To)	Operations Covering 24 Hours Ending at 06:00 Hours
04:00	06:00 - 10:00	CIRC AND CONDITION MUD
01:00	10:00 - 11:00	WELL FLOWING, 20 FT FLARE, RMT TO 9.5+
07:00	11:00 - 18:00	CONTINUE TO CIRC AND CONDITION MUD
04:00	18:00 - 22:00	POOH TO LOG
00:30	22:00 - 22:30	RU LOGGING EQUIP
01:30	22:30 - 24:00	LOGGING WELL
06:00	00:00 - 06:00	LOGGING TOOL STUCK @ 4935 ON RETURN RUN. HOLDING @ MAX SAFE PULL TENSION TO ATTEMPT TO F

E & S Summary:	
Days Since Last:	Lost Time Accident: 1 OSHA Rec.: 1 MMS INCs: Spill:
Last BOP Test:	2/28/04 Next BOP Test: RKB - MSL: 14' Water Depth:
24 Hr Forecast:	DRILLING
Daily Mud Cost:	Daily Tangible Cost: Daily Well Cost: \$21,334 AFE Number:
Cum Mud Cost: \$115,307	Cum Tangible Cost: \$173,249 Cum Well Cost: \$1,838,496 Total Appr:

Field: WILDCAT

Lease: GATE CANYON STATE 31-21-11-15

Well #: 1

Date: 3/5/04

CONFIDENTIAL

GASCO ENERGY INC

1

Daily Cost Estimate

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INTANGIBLES				Daily	Cum
830.001	Surveying & Permits			0	0
830.006	Rig Mob/Demob			0	0
830.007	Drilling Cost	RIG DAY RATE	11,000	11,000	641,354
830.009	Fuel/Power			0	118,006
830.010	Rental Tools and Equipment		515	515	110,850
MUD MOTOR	FLARE LINE W/IGNITOR	65			
XO SUB	EPOCH				
TELEDRFT	200				
GAS BUSTER	125				
POWER CHOKE	125				
830.011	Directional Tools, Surveys, & Services			0	0
830.012	Fishing Tools & Services			0	12,458
830.013	Bits, Stabilizers	HRP99DX		0	124,170
830.014	Drilling Mud & Chemicals	MI	0	0	115,307
830.015	Mud System Equipment Rental	MUD CLEANER	225	225	10,530
830.016	Casing Crews & Tools			0	9,698
830.017	Casing Hardware (Non-Salvageable)	GRACO		0	2,237
830.018	Cement & Cement Services			0	49,969
830.021	Mud Logging	COLUMBINE LOGGING SERVICE		0	38,750
830.020/830.023	Open Hole Logging and Coring	SCHLUMBERGER		0	20,290
830.029	Pipe/Tubing Inspection and Testing			0	8,166
830.035	Fluids/Cuttings Disposal			0	0
830.036	Transportation - Tugs/Boats/Barges/Air	NEBECKER TRUCKING		0	3,088
830.037	Dock Services / Trucking	HOT SHOT FOR MAGNETS		0	10,908
830.038	Communication	RIG PHONE AND INTERCOMS (MOUNTAIN WEST INC.)	20	20	1,140
830.019	Contract Labor	CCT COROSION CONTROL FINAL	5,204	5,204	20,796
830.039	Wellsite Supervision	NEW TECH ENGINEERING	825	825	49,500
830.040	Overhead Expense - Administration (Office) & Eng			0	0
830.041	Insurance			0	0
830.043	Misc & Unforeseen (Includes General Supplies)	GRACO FLOAT	445	445	26,670
830.005	Water Well or Supply (potable Water)	DALBO (POTABLE WATER)		0	29,887
830.042	Plug & Abandon			0	0
830.044	Rihg Site Housing	MOUNTAIN WEST INC.		0	19,515
830.043	Contingency @ 10 %		1,823	1,823	142,329
830.058	Parish and State Taxes @ 7 %		1,276	1,276	99,630
TOTAL INTANGIBLE				21,334	1,665,247

TANGIBLE				Daily	Cum
850.010	Caisson			0	0
850.010	Drive Pipe			0	0
850.010	Conductor Casing			0	0
850.020	Surface Casing	9.625 @ \$12.98/FT 3245'		0	42,120
850.030	Intermediate Casing			0	0
850.060	Drilling Liners	4.5 P-110 @ \$9.89/FT 12049'		0	119,165
850.051	Subsurface Equipment & Hardware			0	0
850.050	Wellhead Equipment and Trees			0	630
				0	0
				0	0
				0	0
				0	0
Contingency @				0	0
850.058	Parish and State Taxes @ 7 %		0	0	11,334
TOTAL TANGIBLE				0	173,249
Total Daily Field Estimate				21,334	
Days on Location:	66	Total Cumulative Field Estimate			1,838,496

CONFIDENTIAL

GASCO ENERGY INC. 1 **Daily Mud Report**

Spud Date: 12/31/03	MD (ft): 11,430'	TVD: 11,430'	Present Activity: DRILG
Contractor: NABORS	Rig: NABORS 924	Report Number: 66	
Drilling Mud Supplier: MI	Report For Contract Supervisor:		

CONFIDENTIAL

MUD VOLUME (BBL)					
Hole: w/ DP	Hole: w/o DP	Pits:	Total Circ. Vol.:	Storage:	Type: POLY/DAP
480	0	800	1,280		

CIRCULATING DATA					
Bbl/Min:	Gal/Min:	Annual Vel. (Fl./Min)	DP:	DC:	
8.9	373		0	0	
Circulation Pressure (PSI):	Bottoms Up Time (Min):	Total Circ. Time (Min.):			
2,800	0	144.2			

Current Mud Properties			Mud Property Specifications		
Sample From		WT:	Viscosity:	Filtrate:	
Time Sample Taken					
Flowline Temperature (Deg. F)		Mud Contains	Recommended Treatment		
Depth (ft)					
Weight (ppg)					
Funnel Vis.(sec./qt.) API	95 Deg. F				
Plastic Viscosity cp @	95 Deg. F				
Yield Point (lb/100 sq. ft.)					
Gel Strength (lb/100 sq. ft.) 10 sec/10 min.					
Filtrate API (cc/30 min.)					
HTHP @	Deg. F PSI				
Cake Thickness (32nd in API/HTHP)					
Solids Content (% by vol.) Retort					
Oil Content (% by vol.) Retort					
Water Content (% by vol.) Retort					
Sand Content (% by vol.)					
Methylene Blue Capacity (lb/bbl. equiv.)					

PH Meter @ 55 Deg. F	EQUIPMENT				Cost Data
Alkalinity Mud (Pm)	Size	Hrs/Tour			
Alkalinity Filtrate (pf/M)	Centrifuge				Daily Cost: \$0
Carbonate Determination (mg/1000 cc)	Degasser				
Chloride (mg/1000 cc)	Desander				
Calcium (mg/1000 cc) /Mag (mg/1000 cc)	Desilter				
Bentonite (lb/bbl.)	Shaker				Cumulative: \$115,307
Solids % High Gravity / % Low Gravity	Other				
Solids % Drill Solids / % Bentonite	Other				
Corrected Solids/Corrected Saltwater	Other				
DAPP (lbs/bbl)	Other				
		5.8			

Remarks:

Drilling Fluids Rep.: TOM RICE	Home Address:	Phone: 435-789-3107
Mud or Consulting Co.: MI	Warehouse Location: VERNAL	Phone: 435-722-2466

Mud Chemical Inventory																	
Units	SX	SX	SX	SX	SX	SX	SX	5 GAL	SX	SX	SX	SX	SX	SX	DRUM	SX	5 GAL
Cost/Unit	13.37	11.46	9.26	5.52	10.87	16.22	11.60	64.79	162.32	18.48	58.28	3.75	8.08	20.00	668.27	20.00	170.43
Description																	
Starting Inventory	495	53	352	940	0	205	70	98	80	23	119	27	96	0	4	27	16
Received																	
Used Last 24 Hours																	
Closing Inventory	495	53	352	940	0	205	70	98	80	23	119	27	96	0	4	27	16
Time Distribution:	Drilling:		Trip:		CCM:		Other:										
Circulating Information:	n:		K:		Type of Flow:		ECD:										

Field:	WILDCAT	Lease:	GATE CANYON STATE 31-	Well No.:	31-11-15	1	Date:	5-Mar-04
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CONFIDENTIAL

Field:	WILDCAT	Lease:	GATE CANYON STATE 31-21-11-15	Rig Phone:	435-823-4272	Drilling Rep:	MARK F. DANES
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Field:	WILDCAT	Lease:	CANYON STATE 31-21-11-15	AFE No:		Date THRU:	3/8/04
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WILDCAT
31-21-11-15

GASCO ENERGY INC. 1 **Daily Mud Report**

Spud Date: 12/31/03	MD (ft): 11,430'	TVD: 11,430'	Present Activity: DRILG														
Contractor: NABORS	Rig: NABORS 924	Report Number: 69															
Drilling Mud Supplier: MI	Report For Contract Supervisor:																
MUD VOLUME (BBL)																	
Hole: w/ DP 480	Hole: w/o DP 0	Pits: 800	Total Circ. Vol.: 1,280														
Storage:	Type: POLY/DAP																
CIRCULATING DATA																	
Bbl/Min: 8.9	Gal/Min: 373	Annual Vol. (Fl./Min)	DP: 0 DC: 0														
Circulation Pressure (PSI): 2,800	Bottoms Up Time (Min): 0	Total Circ. Time (Min.): 144.2															
Current Mud Properties		Mud Property Specifications															
Sample From	Wt:	Viscosity:	Filtrate:														
Time Sample Taken	Mud Contains		Recommended Treatment														
Flowline Temperature (Deg. F)																	
Depth (ft)																	
Weight (ppg)																	
Funnel Vis.(sec./qt.) API 95 Deg. F																	
Plastic Viscosity cp @ 95 Deg. F																	
Yield Point (lb/100 sq. ft.)																	
Gel Strength (lb/100 sq. ft.) 10 sec/10 min.																	
Filtrate API (cc/30 min.)																	
HTHP @ Deg. F PSI																	
Cake Thickness (32nd in API/HTHP)																	
Solids Content (% by vol.) Retort																	
Oil Content (% by vol.) Retort																	
Water Content (% by vol.) Retort																	
Sand Content (% by vol.)																	
Methylene Blue Capacity (lb/bbl. equiv.)																	
PH Meter @ 55 Deg. F	EQUIPMENT		Cost Data														
Alkalinity Mud (Pm)	Size	Hrs/Tour															
Alkalinity Filtrate (pf/Mf)	Centrifuge		Daily Cost: \$0														
Carbonate Determination (mg/1000 cc)	Degasser																
Chloride (mg/1000 cc)	Desander																
Calcium (mg/1000 cc) /Mag (mg/1000 cc)	Desiller																
Bentonite (lb/bbl.)	Shaker		Cumulative: \$115,307														
Solids % High Gravity / % Low Gravity	Other																
Solids % Drill Solids / % Bentonite	Other																
Corrected Solids/Corrected Saltwater	Other																
DAPP (lbs/bbl) 5.8	Other																
Remarks:																	
Drilling Fluids Rep.: TOM RICE		Home Address:	Phone: 435-789-3107														
Mud or Consulting Co.: MI		Warehouse Location: VERNAL	Phone: 435-722-2466														
Mud Chemical Inventory																	
Units	SX	SX	SX	SX	SX	SX	SX	5 GAL	SX	SX	SX	SX	SX	SX	DRUM	SX	5 GAL
Cost/Unit	13.37	11.46	9.26	5.52	10.87	16.22	11.60	64.79	162.32	18.48	58.28	3.75	8.08	20.00	688.27	20.00	170.43
Description																	
Starting Inventory	495	53	352	940	0	205	70	98	80	23	119	27	96	0	4	27	16
Received																	
Used Last 24 Hours																	
Closing Inventory	495	53	352	940	0	205	70	98	80	23	119	27	96	0	4	27	16
Time Distribution:	Drilling:		Trip:		CCM:				Other:								
Circulating Information:	n:		K:		Type of Flow:				ECD:								

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Field:	WILDCAT	Lease:	GATE CANYON STATE 31-	Well No.:	21-11-15	1	Date:	8-Mar-04
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WILDCAT

GASCO Energy
Drilling Report
Gate Canyon State #31-21-11-15
NWNE, Sec.21 , T11S,R15E
Duchesne County, Utah

CONFIDENTIAL

motor stalling out. Replace turbo, pump still will not keep running. POOH to repair pump and Hydril. Mw 9.3, Vis 31, Ph 8.5.

1/23/04 PO Working on pump #2. Fin POOH with bit #4. Crew did not show up, two hands working on pump #2 Change liners and swabs from 6" to 5 1/2". Two more hands showed up, work on hydril and flowline.

See Excel file for drilling detail

- 4/18/04 Questar tap completed and meter house is set.
- 4/19/04 8 5/8" Riverbend Gas Gathering Pipeline complete. Welders working on pig traps and scrubber.
- 4/20/04 Roustabout crew set 2-300 bbl tanks, separator, and dehydrator. Facility 50% complete.
- 4/23/04 WHI NU frac tree w/ 10k 4 1/2" frac valve. NU Gasco 10k flowback manifold. 20 frac tks set. Nebecker starting to fill tks, using Baroid Kcl concentrate. (SCE)
- 4/29/04 Battery 90% complete. SD due to snow storm today. (SCE)
- 5/6/2004 RU Schlumberger-Wayne, RU full lubricator, RIH with 3 3/8" Power Jet gun 3 SPF. Perforate 11257'-11260', 11222'-11225', and 11173'-11176'. Well went on vacuum.
- 5/7/2004 RU Schlumberger. Took 3 bbls to fill hole. Break down Blackhawk Kenilworth with 4308 psi. Performed step rate test. Max rate 34.2 BPM at 6313 psi. 25 holes open. Start pad, wellhead ring gasket failed at bottom connection while pumping frac. Shut down frac. Flowed well back to pit, unloaded all frac fluid, well flowing estimated 300-500MCFPD on open choke. SI, well built to 2000 psi in 10 min. Open well to pit and flow while waiting on equipment. Pump 95 bbls 2% KCL down casing caught pressure and SD. GIH with Arrow Drill packer with millout extension and 10K knock-out plug on Slb wireline, set same at 11160'. Blew well down from 2300 psi to zero in 1 hour. Remove tree and found cardboard cover between flanges and no ring gasket installed. Installed ring gasket and replaced wellhead. SDFN.

GASCO Energy
Drilling Report
Gate Canyon State #31-21-11-15
NWNE, Sec.21 , T11S,R15E
Duchesne County, Utah

43-013-32391



Distribution list: M. Decker, M. Erickson, R. Dean, D. Finneman, J. Longwell

- 4/7/03 Move in Huffman Excavation. Flat blade road around treed area.
- 4/8/03 Unload two dozers, start pushing location flat.
- 4/9/03 Ripping rock across location with two dozers.
- 4/10/03 Rocked out, will need to drill and shoot two high spots on pad and entire pit area.
- 4/11/03 Move in John Henry rock drill, drill pit area.
- 4/12/03 Drill blast holes in pit area and high spots.
- 4/13/03 Load holes with dynamite and Prell. Blast pit area and two high spots.
- 4/14/03 Push rubble out of pit area with dozers.
- 4/15/03 Level and finish location and pit.
- 4/16/03 Dress off access road with grader.
- 4/17/03 Move in Bill Juniors air drilling rig.
- 4/18/03 Drill 17 1/2" hole to 370'. Run 13 3/8" 54# H-40 casing to 359'. Cement with 350 sxs of class "H" cement with 2% CaCl₂ mixed at 15.6 ppg.
- 4/19/03 Drill 12 1/4" hole with air hammer to 450' .
- 4/20/03 Drill 12 1/4" hole with air hammer to 910'
- 4/21/03 Drill 12 1/4" hole with air hammer to 1410'
- 4/22/03 RD and move off Bill Juniors rig.
- 4/23/03 WO Big Rig

GASCO Energy
Drilling Report
Gate Canyon State #31-21-11-15
NWNE, Sec.21 , T11S,R15E
Duchesne County, Utah

12/18/03 Huffman installed pit liner and several loads of water. Review location with Nabors Supt. Location looks fine for rig #924.

12/19/03 Start moving in loads of Nabors 924.

12/20/03 Moving in and rigging up Nabors #924.

12/21/03 Moving in and rigging up Nabors #924.

12/22/03 Moving in and rigging up Nabors #924.

12/23/03 Moving in and rigging up Nabors #924.

12/24/03 Moving in and rigging up Nabors #924, start drawworks engines and raise derrick.

12/25/03 SDF Christmas.

12/26/03 SDF Christmas.

12/27/03 Clear 1'-3' drifts of snow.

12/28/03 Have six men on location, eight more enroute, installing boiler and running engines and servicing rig. Received 3200' of 9 5/8" 36# J-55 ST&C intermediate casing.

12/29/03 Unload mud products, prepare to spud well.

12/30/03 Hook up boiler. WO personell. Plan to spud tonight if crew shows up.

12/31/03 Finish repairing rig, GIH with 12 1/4" Security XL18N Insert tip bit, 2-8" collars, 6-6" collars and 4 1/2" DP to 1402'. Resume drilling well at 11:21 PM 12-31-03. Drill to 1431', blew hole in standpipe. Pick up into surface casing. SD WO welder.

1/1/04 Repair standpipe and other broken equipment. No report

1/2/04 PO drilling at 1518' with bit #1. Work on rig. No report.

1/3/04 PO drilling at 1828' with bit #1. Made 310' in 24 hrs. MW 8.4

GASCO Energy
Drilling Report
Gate Canyon State #31-21-11-15
NWNE, Sec.21 , T11S,R15E
Duchesne County, Utah

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- 1/4/04 PO drilling at 2184'. Drill from 1828' to 2181', bit #1 slowed down POOH at 2181' and GIH with bit #2 a 12 1/4" Sec 5376, 2- 8" collars, 12- 6" collars and 4 1/2" DP. Made 356' in 20 hrs. 85 RPM, 35,000# WOB, survey 1 deg at 2749', mud is water.
- 1/5/04 PO drilling at 2652' with bit #2. RPM 85, MW 8.4, WOB 35,000#
- 1/6/04 PO drilling at 2998' with bit #2. Made 318' in 20 hrs. MW 8.8, Vis 27, Ph 8.5, GPM 691, PP 1850, Survey .75 deg at 2853'.
- 1/7/04 PO POOH to run casing. Drill to 3124' C&C hole, POOH and tally drill pipe. Found Nabors tally was off by 4 jts, over 100'. GIH and drill actual footage 3023'-3117'. C&C hole to run intermediate casing. MW 8.8. Survey .75 deg @ 3086'
- 1/8/04 PO WOC. Drill to 3117, circ out and POOH. Ran 91 jts of 9 5/8" 36# J-55 ST&C casing to 3116'. RU Schlumberger and cement with 425 sxs of class G lite mixed at 11 PPG followed by 185 sxs of class G mixed at 14.2 PPG. Good returns thru job, topped off with 42 sxs of class G. Start nipple down BOP's.
- 1/9/04 PO NU BOP'S. ND BOP'S, cut off wellhead, cut off 9 5/8" csg, weld on new casing head, test wellhead to 1000psi OK, NU BOP'S. Should drill out this afternoon.
- 1/10/04 PO Test BOP's. NU BOP stack, replace hydraulic lines, NU diverter lines, replace two bad valves, RU tester, test upper and lower Kelly valves, replace one, test pipe rams 500 low, 5000 high.
- 1/11/04 PO TIH with BHA. Finish testing BOP's and choke, work on fillup line, relocate mousehole, repair charger pump, adjust drawworks brakes, make up Sec FM 2655PDC bit, Sperry Sun mud motor, 18- 6 1/4" collars.
- 1/12/04 PO drilling at 3624'. TIH, work on pipe spinner, TIH and tag cement, work on motors, drill cement and shoe, work on Kelly spinner and air compressor, drill shoe, TEST shoe to 11.88 ppg EMW. Drill to 3624'. ROP 37 ft/hr, Mw 8.4, Vis 24, Ph 10.5, WOB 12K, RPM 150, PP 1850, GPM 691. Oil show at 3515'.

GASCO Energy
Drilling Report
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NWNE, Sec.21 , T11S,R15E
Duchesne County, Utah

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- 1/13/04 PO control drilling at 4300' with bit #3. Drill to 4130', survey 3deg, control drill from 4130'-4300' to straighten out. Mw 8.8, Vis 26, Ph 8, WOB 12,000#, RPM 207, PP 1850, GPM 415, Survey 3 deg at 4025'.
- 1/14/04 PO control drilling at 5100' with bit #3. Drill from 4130' to 5100' with controlled ROP to control deviation. Mw 8.6, Vis 25, Ph 9.0, WOB 12,000#, RPM 207, PP 1850, GPM 415, Survey 3 deg at 4605'.
- 1/15/04 PO Drilling at 5775'. Drill from 5100' to 5775' with bit #3, made 675' in 23 hrs. Mw 8.7, Vis 26, Ph 8.5, WOB 15-20K, RPM 200, PP 1850, GPM 415.
- 1/16/04 PO drilling at 6315' with bit #3. Drill from 5775' to 6315' in 22 hrs. Mw 8.6, Vis 27, Ph 8.5, WOB 15-20,000#, RPM 200, PP 1850, GPM 415, Survey 3 deg at 5601'.
- 1/17/04 PO Drilling at 6457'. Drill from 6315' to 6457' with bit #3, made 142' in 12 hrs. POOH with bit #3, made 3340' in 108 hrs. GIH with HC 505Z PDC bit, teledrift, 24 6.25" collars. Mw 8.8, Vis 28, Ph 8.5, WOB 15-20K, RPM 200, PP 1850, GPM 415.
- 1/18/04 PO Drilling at 7125'. Fin GIH with bit #4, break in bit, drill from 6457' to 7125' with bit #4, made 668' in 20 hrs. Lost one mud pump, power wen out for several hours. Mw 8.7, Vis 26, Ph 8.5, WOB 15-20K, RPM 57, PP 1850, GPM 346, Survey 2deg at 6605'.
- 1/19/04 PO Drilling at 7550'. Drill from 7125' to 7550' with bit #4. Made 425' in 20 hrs with one pump. Lost rig power twice, mechanic on location now. Starting gradual mud-up. Mw 8.7, Vis 26, Ph 8.5, WOB 15-20K, RPM 57, PP 1850, GPM 346,
- 1/20/04 PO Drilling at 8000'. Drill from 7550' to 8000' with bit #4. Made 450' in 21 hrs. Lost generator again for several hours. MW 9.0, Vis 27, Ph 8.5, WOB 20K, RPM 57, PP 1850, GPM 346, Survey 2.5 deg at 7634'.
- 1/21/04 PO Drilling at 8300'. Drill from 8000' to 8300' with bit #4. Made 300' in 18 hrs. Pump #2 going down frequently cutting P- rate. Mw 9.3, Vis 30, Ph 8, WOB 20, RPM 57, PP 1850, GPM 346.
- 1/22/04 PO POOH for rig service. Drill from 8300' to 8445' with bit #4, lost pump #2 turbo, hydril leaking, cannot make any hole with one pump due to mud

GASCO Energy
Drilling Report
Gate Canyon State #31-21-11-15
NWNE, Sec.21 , T11S,R15E
Duchesne County, Utah

CONFIDENTIAL

motor stalling out. Replace turbo, pump still will not keep running. POOH to repair pump and Hydril. Mw 9.3, Vis 31, Ph 8.5.

1/23/04 PO Working on pump #2. Fin POOH with bit #4. Crew did not show up, two hands working on pump #2 Change liners and swabs from 6" to 5 1/2". Two more hands showed up, work on hydril and flowline.

See Excel file for drilling detail

4/18/04 Questar tap completed and meter house is set.

4/19/04 8 5/8" Riverbend Gas Gathering Pipeline complete. Welders working on pig traps and scrubber.

4/20/04 Roustabout crew set 2-300 bbl tanks, separator, and dehydrator. Facility 50% complete.

4/23/04 WHI NU frac tree w/ 10k 4 1/2" frac valve. NU Gasco 10k flowback manifold. 20 frac tks set. Nebecker starting to fill tks, using Baroid Kcl concentrate. (SCE)

4/29/04 Battery 90% complete. SD due to snow storm today. (SCE)

5/6/2004 RU Schlumberger-Wayne, RU full lubricator, RIH with 3 3/8" Power Jet gun 3 SPF. Perforate 11257'-11260', 11222'-11225', and 11173'-11176'. Well went on vacuum.

5/7/2004 RU Schlumberger. Took 3 bbls to fill hole. Break down Blackhawk Kenilworth with 4308 psi. Performed step rate test. Max rate 34.2 BPM at 6313 psi. 25 holes open. Start pad, wellhead ring gasket failed at bottom connection while pumping frac. Shut down frac. Flowed well back to pit, unloaded all frac fluid, well flowing estimated 300-500MCFPD on open choke. SI, well built to 2000 psi in 10 min. Open well to pit and flow while waiting on equipment. Pump 95 bbls 2% KCL down casing caught pressure and SD. GIH with Arrow Drill packer with millout extension and 10K knock-out plug on Slb wireline, set same at 11160'. Blew well down from 2300 psi to zero in 1 hour. Remove tree and found cardboard cover between flanges and no ring gasket installed. Installed ring gasket and replaced wellhead. SDFN.

5/8/2004 RU Slb wireline, GIH with 1 11/16" sinker bars to packer at 11160'. Pressure up to 2000 psi and tap on knock out plug, did not come loose, increased pressure to 3700psi and knocked plug loose. RU and frac Stage

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1, Blackhawk-Kenilworth with 97,600# of 20-40 sand and 70,800# of 20-40 SBXL partially cured resin coated sand, using 1402 bbls of YF-125ST fluid in 2 % KCL. ATP 7141psi at 42.8 BPM. ISIP 5140. GIH with Weatherford plug and set same at 11080'. Perforate Blackhawk-Sunnyside 10960'-10963', 11014'-11017', and 11060'-11062' 3 SPF with a 3 3/8" Power Jet gun. RU and frac Sunnyside with 91,500# of 20-40 sand and 75,000 # of 20-40 SBXL using 1872 bbls of YF-125ST fluid. ATP 6947 psi at 45.9 BPM. ISIP 4420psi. (17 holes open). Wait 30 minutes for resin to cure and turn well on with 3950psi on a 8/64" choke at 4:20 PM. Flowed back 478 bbls in 12 hrs on a 10/64 ck final flowing pressure 2850 psi.

- 5/9/2004 RU Slb wireline with STS 10K lubricator- Dewayne. GIH and set Weatherford Frac Plug at 10,800'. GIH with 3 3/8" Power Jet gun and Perf Blackhawk Desert and Grassy 10613'-616', 10650'-653', 10718'-720', 10774'-776'. 30 holes. Lubricator worked very well. RU Frac crew- Selwyn& Rob, Break down well with 4819 psi. ISIP-4070psi, Frac well with 46,850# of 20-40 sand using 1830 bbls of Slickwater. ATP 7046psi at 55 BPM. Well started screening-out, lost 2 benches, got well flushed at 34 BPM. ISIP 3880 psi. Flow well 16 hrs on a 14/64 ck with 1800psi FCP and made 912 BF with light sand. TR 1390 BF, 3897 BLWTR.
- 5/10/2004 Flow well 24 hrs on a 16/64 ck with 1600psi FCP and made 926 BF. TR 2316 BF, 2974 BLWTR.
- 5/11/2004 Shut well in to finish tie in @ wellhead. Put gas to separator and fired up dehy. Started to purge gas sales line. Fluid hit and had to put well back to flowback for night. Will finish purge in AM open thru Questar meter. (SCE) Flowed well 16 hrs on a 20/64 then 16/64 ck and made 533 BF with 1200psi FCP, TR 2849 BF, BLWTR 2441 BF. Fluid rate down to 10 BFPH, will put well down line this AM.
- 5/12/04 Finished purging sales line. Dew point at 30# (25# over limit). Blew line dn. Held 700 psi back pressure and Dehy brought dew pt down to 6#.. Flowing well thru sep on 14-16/64"ck, re-pressurizing gas sales line. (SCE) Flowed well 22 hrs on a 14-16/64 ck with 1000-650 psi FCP and made 285 BF. TR 3144. BLWTR 2156. This AM well had 650 psi, unloaded well to pit with a 20/64 ck.

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5/13/04

Well flowing to flowback tk @ 720 MCFPD rate w/ 300 FCP. Shut in @ 3:00 PM. RU SLB and full lube. RIH w/ Halliburton comp frac plug (8K) and set @ 10,260'. Perforated f/ 10236 to 10239, 10226 to 10228. Gun failed to fire next gun. POOH and repaired switch. RIH and finished perforating f/ 10210' to 10212', 10174' to 10178'.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER:
2. NAME OF OPERATOR: Gasco Production Company <i>N2575</i>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 114 Inverness Dr. East CITY Englewood STATE CO ZIP 80112		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: COUNTY: QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: STATE: UTAH		8. WELL NAME and NUMBER: see attached list
PHONE NUMBER: (303) 483-0044		9. API NUMBER:
		10. FIELD AND POOL, OR WILDCAT:

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>name change</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Pannonian Energy, Inc. changed its name to Gasco Production Company effective February 24, 2004
N1815

BLM Bond = UT1233
SITLA Bond = 4127764

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NAME (PLEASE PRINT) <u>Mark J. Choury</u>	TITLE <u>Land Manager</u>
SIGNATURE <i>Mark J. Choury</i>	DATE <u>4/20/04</u>

(This space for State use only)

WELL NAME	API #	LOCATION	COUNTY	Status
Federal 23-29 #1	43-047-34111	NESW, Sec. 29, T9S, R19E	Uintah	P
Federal 42-29-9-19	43-047-34202	SENE, Sec. 29, T9S, R19E	Uintah	P
Lytham Federal 22-22-9-19	43-047-34607	SENW, Sec. 22, T9S, R19E	Uintah	P
Federal 32-31-9-19	43-047-34201	SWNE, Sec. 31, T9S, R19E	Uintah	P
Alger Pass Unit #1	43-047-31824	SWNE, Sec. 2, T11S, R19E	Uintah	P
Gate Canyon State 31-21-11-15	43-013-32391	NWNE, Sec. 21, T11S, R15E	Duchesne	DRL
Wilkin Ridge State 12-32-10-17	43-013-32447	SWNW, Sec. 32, T10S, R17E	Duchesne	DRL
Willow Creek # 2	43-047-31818	SESW, Sec. 5, T11S, R20E	Uintah	TA
Hill Federal #1-10	43-047-31026	NESW, Sec. 10, T11S, R20E	Uintah	TA
Federal 23-21-9-19	43-047-34199	NESW, Sec. 21, T9S, R19E	Uintah	P
Federal 43-30-9-19	43-047-35343	NESE, Sec. 30, T9S, R19E	Uintah	APD
Gate Canyon State 41-20-11-15	43-013-32475	NENE, Sec. 20, T11S, R15E	Duchesne	APD
Federal 11-21-9-19	43-047-34608	NWNW, Sec. 21, T9S, R19E	Uintah	APD
Federal 11-22-9-19	43-047-35404	NWNW, Sec. 22, T9S, R19E	Uintah	APD
Federal 22-30-10-18	43-047-34924	SENW, Sec. 30, T10S, R18E	Uintah	APD
State 24-16-9-19	43-047-35588	SESW, Sec. 16, T9S, R19E	Uintah	NEW
Lafkas Federal 1-3	43-0473-31178	SWSW, Sec. 3, T11S, R20E	Uintah	S
Federal 21-6-9-19	43-047-34813	NENW, Sec. 6, T9S, R19E	Uintah	APD
Federal 42-21-9-19	43-047-35405	SENE, Sec. 21, T9S, R19E	Uintah	APD
Federal 31-21-9-19	43-047-35606	NWNE, Sec. 21, T9S, R19E	Uintah	APD
Federal 41-31-9-19	43-047-35624	NENE, Sec. 31, T9S, R19E	Uintah	APD
Federal 24-31-9-19	43-047-35623	SESW, Sec. 31, T9S, R19E	Uintah	NEW
Wilkin Ridge Federal 34-17-10-17	43-013-32560	SWSE, Sec. 17, T10S, R17E	Duchesne	APD

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Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING
1. GLH
2. CDW
3. FILE

052 Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective: **2/24/2004**

FROM: (Old Operator): N1815-Pannonian Energy, Inc. 114 Inverness Dr E Englewood, CO 80112 Phone: 1-(303) 483-0044	TO: (New Operator): N2575-Gasco Production Company 114 Inverness Dr E Englewood, CO 80112 Phone: 1-(303) 483-0044
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CA No.

Unit:

WELL(S)

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
K GATE CYN 31-21-11-15	21	110S	150E	4301332391	✓ 13787	State	GW	DRL
K GATE CYN 41-20-11-15	20	110S	150E	4301332475		State	GW	APD
K WILKIN RIDGE STATE 12-32-10-17	32	100S	170E	4301332447	✓ 14033	State	GW	DRL
K STATE 24-16-9-19	16	090S	190E	4304735588		State	GW	NEW
o FED 23-21-9-19	21	090S	190E	4304734199	✓ 13601	Federal	GW	P
K FED 11-21-9-19	21	090S	190E	4304734608		Federal	GW	APD
K FED 42-21-9-19	21	090S	190E	4304735405		Federal	GW	APD
K FEDERAL 31-21-9-19	21	090S	190E	4304735606		Federal	GW	APD
K LYTHAM FED 22-22-9-19	22	090S	190E	4304734607	✓ 13640	Federal	GW	P
K FED 11-22-9-19	22	090S	190E	4304735404		Federal	GW	APD
o FEDERAL 23-29 #1	29	090S	190E	4304734111	✓ 13441	Federal	GW	P
o FEDERAL 42-29-9-19	29	090S	190E	4304734202	✓ 13455	Federal	GW	P
K FEDERAL 43-30-9-19	30	090S	190E	4304735343		Federal	GW	APD
o FEDERAL 32-31-9-19	31	090S	190E	4304734201	✓ 13641	Federal	GW	P
o FEDERAL 24-31-9-19	31	090S	190E	4304735623		Federal	GW	NEW
K FEDERAL 41-31-9-19	31	090S	190E	4304735624		Federal	GW	APD
K FEDERAL 21-6-10-19	06	100S	190E	4304734813		Federal	GW	LA
K FED 22-30-10-18	30	100S	180E	4304734924		Federal	GW	APD
o LAFKAS FED 1-3	03	110S	200E	4304731178	✓ 1367	Federal	GW	S
o WILLOW CREEK UNIT 2	05	110S	200E	4304731818	✓ 11604	Federal	GW	TA
o HILL FEDERAL 1-10	10	110S	200E	4304731026	✓ 1368	Federal	GW	TA

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 4/22/2004
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/22/2004
3. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 4/21/2004
4. Is the new operator registered in the State of Utah: YES Business Number: ***
5. If **NO**, the operator was contacted on: *** 4/21/2004

6. (R649-9-2)Waste Management Plan has been received on: IN PLACE

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM in process BIA

8. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: in process

9. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

- Changes entered in the Oil and Gas Database on: 4/29/2004
- Changes have been entered on the Monthly Operator Change Spread Sheet on: 4/29/2004
- Bond information entered in RBDMS on: N/A
- Fee wells attached to bond in RBDMS on: N/A
- Injection Projects to new operator in RBDMS on: n/a
- Receipt of Acceptance of Drilling Procedures for APD/New on: 4/22/2004

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: 4127764

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: 4127759

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 4127765

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number n/a

2. The FORMER operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The FORMER operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS:

This is a corporate name change within the same corporation and it's subsidiaries

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43-013-38391



Distribution list: M. Decker, M. Erickson, R. Dean, D. Finneman, J. Longwell

- 4/7/03 Move in Huffman Excavation. Flat blade road around treed area.
- 4/8/03 Unload two dozers, start pushing location flat.
- 4/9/03 Ripping rock across location with two dozers.
- 4/10/03 Rocked out, will need to drill and shoot two high spots on pad and entire pit area.
- 4/11/03 Move in John Henry rock drill, drill pit area.
- 4/12/03 Drill blast holes in pit area and high spots.
- 4/13/03 Load holes with dynamite and Prell. Blast pit area and two high spots.
- 4/14/03 Push rubble out of pit area with dozers.
- 4/15/03 Level and finish location and pit.
- 4/16/03 Dress off access road with grader.
- 4/17/03 Move in Bill Juniors air drilling rig.
- 4/18/03 Drill 17 1/2" hole to 370'. Run 13 3/8" 54# H-40 casing to 359'. Cement with 350 sxs of class "H" cement with 2% CaCl2 mixed at 15.6 ppg.
- 4/19/03 Drill 12 1/4" hole with air hammer to 450' .
- 4/20/03 Drill 12 1/4" hole with air hammer to 910'
- 4/21/03 Drill 12 1/4" hole with air hammer to 1410'
- 4/22/03 RD and move off Bill Juniors rig.
- 4/23/03 WO Big Rig

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12/18/03 Huffman installed pit liner and several loads of water. Review location with Nabors Supt. Location looks fine for rig #924.

12/19/03 Start moving in loads of Nabors 924.

12/20/03 Moving in and rigging up Nabors #924.

12/21/03 Moving in and rigging up Nabors #924.

12/22/03 Moving in and rigging up Nabors #924.

12/23/03 Moving in and rigging up Nabors #924.

12/24/03 Moving in and rigging up Nabors #924, start drawworks engines and raise derrick.

12/25/03 SDF Christmas.

12/26/03 SDF Christmas.

12/27/03 Clear 1'-3' drifts of snow.

12/28/03 Have six men on location, eight more enroute, installing boiler and running engines and servicing rig. Received 3200' of 9 5/8" 36# J-55 ST&C intermediate casing.

12/29/03 Unload mud products, prepare to spud well.

12/30/03 Hook up boiler. WO personell. Plan to spud tonight if crew shows up.

12/31/03 Finish repairing rig, GIH with 12 1/4" Security XL18N Insert tip bit, 2-8" collars, 6-6" collars and 4 1/2" DP to 1402'. Resume drilling well at 11:21 PM 12-31-03. Drill to 1431', blew hole in standpipe. Pick up into surface casing. SD WO welder.

1/1/04 Repair standpipe and other broken equipment. No report

1/2/04 PO drilling at 1518' with bit #1. Work on rig. No report.

1/3/04 PO drilling at 1828' with bit #1. Made 310' in 24 hrs. MW 8.4

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- 1/4/04 PO drilling at 2184'. Drill from 1828' to 2181', bit #1 slowed down POOH at 2181' and GIH with bit #2 a 12 1/4" Sec 5376, 2- 8" collars, 12-6" collars and 4 1/2" DP. Made 356' in 20 hrs. 85 RPM, 35,000# WOB, survey 1 deg at 2749', mud is water.
- 1/5/04 PO drilling at 2652' with bit #2. RPM 85, MW 8.4, WOB 35,000#
- 1/6/04 PO drilling at 2998' with bit #2. Made 318' in 20 hrs. MW 8.8, Vis 27, Ph 8.5, GPM 691, PP 1850, Survey .75 deg at 2853'.
- 1/7/04 PO POOH to run casing. Drill to 3124' C&C hole, POOH and tally drill pipe. Found Nabors tally was off by 4 jts, over 100'. GIH and drill actual footage 3023'-3117'. C&C hole to run intermediate casing. MW 8.8. Survey .75 deg @ 3086'
- 1/8/04 PO WOC. Drill to 3117, circ out and POOH. Ran 91 jts of 9 5/8" 36# J-55 ST&C casing to 3116'. RU Schlumberger and cement with 425 sxs of class G lite mixed at 11 PPG followed by 185 sxs of class G mixed at 14.2 PPG. Good returns thru job, topped off with 42 sxs of class G. Start nipple down BOP's.
- 1/9/04 PO NU BOP'S. ND BOP'S, cut off wellhead, cut off 9 5/8" csg, weld on new casing head, test wellhead to 1000psi OK, NU BOP'S. Should drill out this afternoon.
- 1/10/04 PO Test BOP's. NU BOP stack, replace hydraulic lines, NU diverter lines, replace two bad valves, RU tester, test upper and lower Kelly valves, replace one, test pipe rams 500 low, 5000 high.
- 1/11/04 PO TIH with BHA. Finish testing BOP's and choke, work on fillup line, relocate mousehole, repair charger pump, adjust drawworks brakes, make up Sec FM 2655PDC bit, Sperry Sun mud motor, 18- 6 1/4" collars.
- 1/12/04 PO drilling at 3624'. TIH, work on pipe spinner, TIH and tag cement, work on motors, drill cement and shoe, work on Kelly spinner and air compressor, drill shoe, TEST shoe to 11.88 ppg EMW. Drill to 3624'. ROP 37 ft/hr, Mw 8.4, Vis 24, Ph 10.5, WOB 12K, RPM 150, PP 1850, GPM 691. Oil show at 3515'.

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- 1/13/04 PO control drilling at 4300' with bit #3. Drill to 4130', survey 3deg, control drill from 4130'-4300' to straighten out. Mw 8.8, Vis 26, Ph 8, WOB 12,000#, RPM 207, PP 1850, GPM 415, Survey 3 deg at 4025'.
- 1/14/04 PO control drilling at 5100' with bit #3. Drill from 4130' to 5100' with controlled ROP to control deviation. Mw 8.6, Vis 25, Ph 9.0, WOB 12,000#, RPM 207, PP 1850, GPM 415, Survey 3 deg at 4605'.
- 1/15/04 PO Drilling at 5775'. Drill from 5100' to 5775' with bit #3, made 675' in 23 hrs. Mw 8.7, Vis 26, Ph 8.5, WOB 15-20K, RPM 200, PP 1850, GPM 415.
- 1/16/04 PO drilling at 6315' with bit #3. Drill from 5775' to 6315' in 22 hrs. Mw 8.6, Vis 27, Ph 8.5, WOB 15-20,000#, RPM 200, PP 1850, GPM 415, Survey 3 deg at 5601'.
- 1/17/04 PO Drilling at 6457'. Drill from 6315' to 6457' with bit #3, made 142' in 12 hrs. POOH with bit #3, made 3340' in 108 hrs. GIH with HC 505Z PDC bit, teledrift, 24 6.25" collars. Mw 8.8, Vis 28, Ph 8.5, WOB 15-20K, RPM 200, PP 1850, GPM 415.
- 1/18/04 PO Drilling at 7125'. Fin GIH with bit #4, break in bit, drill from 6457' to 7125' with bit #4, made 668' in 20 hrs. Lost one mud pump, power wen out for several hours. Mw 8.7, Vis 26, Ph 8.5, WOB 15-20K, RPM 57, PP 1850, GPM 346, Survey 2deg at 6605'.
- 1/19/04 PO Drilling at 7550'. Drill from 7125' to 7550' with bit #4. Made 425' in 20 hrs with one pump. Lost rig power twice, mechanic on location now. Starting gradual mud-up. Mw 8.7, Vis 26, Ph 8.5, WOB 15-20K, RPM 57, PP 1850, GPM 346,
- 1/20/04 PO Drilling at 8000'. Drill from 7550' to 8000' with bit #4. Made 450' in 21 hrs. Lost generator again for several hours. MW 9.0, Vis 27, Ph 8.5, WOB 20K, RPM 57, PP 1850, GPM 346, Survey 2.5 deg at 7634'.
- 1/21/04 PO Drilling at 8300'. Drill from 8000' to 8300' with bit #4. Made 300' in 18 hrs. Pump #2 going down frequently cutting P- rate. Mw 9.3, Vis 30, Ph 8, WOB 20, RPM 57, PP 1850, GPM 346.
- 1/22/04 PO POOH for rig service. Drill from 8300' to 8445' with bit #4, lost pump #2 turbo, hydril leaking, cannot make any hole with one pump due to mud

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motor stalling out. Replace turbo, pump still will not keep running. POOH to repair pump and Hydril. Mw 9.3, Vis 31, Ph 8.5.

1/23/04 PO Working on pump #2. Fin POOH with bit #4. Crew did not show up, two hands working on pump #2 Change liners and swabs from 6" to 5 1/2". Two more hands showed up, work on hydril and flowline.

See Excel file for drilling detail

- 4/18/04 Questar tap completed and meter house is set.
- 4/19/04 8 5/8" Riverbend Gas Gathering Pipeline complete. Welders working on pig traps and scrubber.
- 4/20/04 Roustabout crew set 2-300 bbl tanks, separator, and dehydrator. Facility 50% complete.
- 4/23/04 WHI NU frac tree w/ 10k 4 1/2" frac valve. NU Gasco 10k flowback manifold. 20 frac tks set. Nebecker starting to fill tks, using Baroid Kcl concentrate. (SCE)
- 4/29/04 Battery 90% complete. SD due to snow storm today. (SCE)
- 5/6/2004 RU Schlumberger-Wayne, RU full lubricator, RIH with 3 3/8" Power Jet gun 3 SPF. Perforate 11257'-11260', 11222'-11225', and 11173'-11176'. Well went on vacuum.
- 5/7/2004 RU Schlumberger. Took 3 bbls to fill hole. Break down Blackhawk Kenilworth with 4308 psi. Performed step rate test. Max rate 34.2 BPM at 6313 psi. 25 holes open. Start pad, wellhead ring gasket failed at bottom connection while pumping frac. Shut down frac. Flowed well back to pit, unloaded all frac fluid, well flowing estimated 300-500MCFPD on open choke. SI, well built to 2000 psi in 10 min. Open well to pit and flow while waiting on equipment. Pump 95 bbls 2% KCL down casing caught pressure and SD. GIH with Arrow Drill packer with millout extension and 10K knock-out plug on Slb wireline, set same at 11160'. Blew well down from 2300 psi to zero in 1 hour. Remove tree and found cardboard cover between flanges and no ring gasket installed. Installed ring gasket and replaced wellhead. SDFN.
- 5/8/2004 RU Slb wireline, GIH with 1 11/16" sinker bars to packer at 11160'. Pressure up to 2000 psi and tap on knock out plug, did not come loose, increased pressure to 3700psi and knocked plug loose. RU and frac Stage

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1, Blackhawk-Kenilworth with 97,600# of 20-40 sand and 70,800# of 20-40 SBXL partially cured resin coated sand, using 1402 bbls of YF-125ST fluid in 2 % KCL. ATP 7141psi at 42.8 BPM. ISIP 5140. GIH with Weatherford plug and set same at 11080'. Perforate Blackhawk-Sunnyside 10960'-10963', 11014'-11017', and 11060'-11062' 3 SPF with a 3 3/8" Power Jet gun. RU and frac Sunnyside with 91,500# of 20-40 sand and 75,000 # of 20-40 SBXL using 1872 bbls of YF-125ST fluid. ATP 6947 psi at 45.9 BPM. ISIP 4420psi. (17 holes open). Wait 30 minutes for resin to cure and turn well on with 3950psi on a 8/64" choke at 4:20 PM. Flowed back 478 bbls in 12 hrs on a 10/64 ck final flowing pressure 2850 psi.

- 5/9/2004 RU Slb wireline with STS 10K lubricator- Dewayne. GIH and set Weatherford Frac Plug at 10,800'. GIH with 3 3/8" Power Jet gun and Perf Blackhawk Desert and Grassy 10613'-616', 10650'-653', 10718'-720', 10774'-776'. 30 holes. Lubricator worked very well. RU Frac crew-Selwyn& Rob, Break down well with 4819 psi. ISIP-4070psi, Frac well with 46,850# of 20-40 sand using 1830 bbls of Slickwater. ATP 7046psi at 55 BPM. Well started screening-out, lost 2 benches, got well flushed at 34 BPM. ISIP 3880 psi. Flow well 16 hrs on a 14/64 ck with 1800psi FCP and made 912 BF with light sand. TR 1390 BF, 3897 BLWTR.
- 5/10/2004 Flow well 24 hrs on a 16/64 ck with 1600psi FCP and made 926 BF. TR 2316 BF, 2974 BLWTR.
- 5/11/2004 Shut well in to finish tie in @ wellhead. Put gas to separator and fired up dehy. Started to purge gas sales line. Fluid hit and had to put well back to flowback for night. Will finish purge in AM open thru Questar meter. (SCE) Flowed well 16 hrs on a 20/64 then 16/64 ck and made 533 BF with 1200psi FCP, TR 2849 BF, BLWTR 2441 BF. Fluid rate down to 10 BFPH, will put well down line this AM.
- 5/12/04 Finished purging sales line. Dew point at 30# (25# over limit). Blew line dn. Held 700 psi back pressure and Dehy brought dew pt down to 6#.. Flowing well thru sep on 14-16/64"ck, re-pressurizing gas sales line. (SCE) Flowed well 22 hrs on a 14-16/64 ck with 1000-650 psi FCP and made 285 BF. TR 3144. BLWTR 2156. This AM well had 650 psi, unloaded well to pit with a 20/64 ck.

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- 5/13/04 Well flowing to flowback tk @ 720 MCFPD rate w/ 900 FCP. Shut in @ 3:00 PM. Made 124 BF, TR 3268, BLWTR 2032. RU SLB and full lube. RIH w/ Halliburton comp frac plug (8K) and set @ 10,260'. Perforated f/ 10236 to 10239, 10226 to 10228. Gun failed to fire next gun. POOH and repaired switch. RIH and finished perforating f/ 10210' to 10212', 10174' to 10178'.
- 5/14/04 Questar opened tap, flow well for one hour at 1 MMCFPD avg rate. SWI RU Slb and broke down lower Mesaverde Stage 4. Perform step rate test, 19 holes open. Sart frac, blender pumped 10 ppg sand slug by mistake, well screened out. Flow back well and clean up to pit. Start frac again, pump 20# linear gell pad followed by slickwater. Pumped 46,700# of 20-40 sand and 13,466# of 20-40 SBXL sand using 1610 bbls of gell and slickwater. ATP 6442psi At 55 BPM. Well screened out 60 bbls into flush. Turned well to flowback for 3 hours to clean up sand. GIH set a FTFP at 9762' and perforate stage 5 with a 3 3/8" Power Jet gun as follows: 9539'-542', 9578'-581', 9644'-646', 9687'-689', 9742'-744' 3 SPF. Flowed well 14 hrs and made 872 BF. FFP 400 psi on a 14/64 ck. TR 4140, BLWTR 2770.
- 5/15/04 RU Slb. Broke down stage 5 with 4640 psi. lost hydraulics on LTM have to run chemicals thru POD blender, will cut rate accordingly. Frac stage 5 with 76,000# of 20-40 sand and 55,000# of 20-40 SBXL using 2200 Bbls of Clear-Frac. ATP 4464 psi at 50 BPM. ISIP 3370 psi. Good height growth thru-out job. Flow back 160 bbls to get closure. RU wireline, set 8K Howco FTFP at 7896'. Perforate Upper Mesaverde 7876'-879', 7844'-846', 7830'-833', 7766'-768', 7756'-758' 3 SPF 36 holes. Boke down stage 6 with 4663 psi. Frac Dark Canyon with 76,800# of 20-40 sand and 19200# of 20-40 SBXL using 250 bbls of 20# linear gell and 2001 bbls of 2% KCL slickwater. ATP 6250psi at 62.4 BPM. ISIP 3680psi. GIH with 3 3/8" Power Jet gun and perforate 6292'-295', 6310'-313', 6462'-465', 6470'-473'. ISD-No plug set. Broke down Wasatch with 4663psi. Frac well with 96,000# of 20-40 sand and 24,000# of 20-40 SBXL using 250 bbls of 20# linear gell and 2523 bbls of 2% KCL Slickwater. ATP 4943psi at 57.3 BPM. ISIP-2841psi. Shut well in for 10 min and turned on a 12/64 ck. Flowed well 14 hrs on a 14 then 16/64 ck. This AM have 700psi FCP and made 1094 BF, TR 5234, BLWTR-8900.
- 5/16/04 Flowed well 24 hrs on a 16/64 ck and made 601 BF, TR-5835, BLWTR-8291. Final flowing pressure 100psi. Unload well to pit and put on a 24/64 ck.

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- 5/17/04 Flowed well 24 hrs on 48/64 ck and made 121BF. TR-5956, BLWTR-8170. Well loaded-up and barely flowing.
- 5/18/04 Road POOL rig 820 to loc. (SCE)
- 5/19/04 MIRU. Found well dead this AM. ND frac tree and flowback manifold. NU BOPE. RIH w/ 3 3/4" 4 blade junk mill (Weatherford) on pump off sub w/ float + 1 jt 2 3/8" + XN nipple (1.87") + 1 jt + x nipple + 2 3/8" tbg to +- 4250'. Shut dn due to high winds, cross threading tbg. SWIFN. (SCE)
- 5/20/04 Fd 600 psi SICP. Blew dead. Cont RIH w/ assy. Tagged sd @ 7842' (54' above top plug). Circ cln to plug @ 7896'. Drilled up HES frac plug in 40 min. No added flow after drill out. Cont RIH and tagged sd @ 9611' (151' sd on plug). Circ sd dn to 2nd HES frac plug @ 9762'. Drilled up in 30 min. Well started flowing. Unloaded +- 20 bbls to pit and put to flowback tk for night on 16/64" ck, w/ 20 psi FCP. 85 BLWTR today. (SCE)
- 5/21/04 Fd 150 FCP on 16/64" ck. Recovered 150 BW overnight. Opened to pit and flowed +- 30 bbls. RIH and tag sd @ 10230'. Circ cln to 10260' (3rd Howco plug) and well kicked off flowing. SI w/ 2500 psi. Flowed well all day to flowback tk and sep. FCP 1000 psi on 24/64" ck to tk and 18-24/64" ck to sep. At 5:00 PM, Flowed 358 BW, 7897 BLWTR. Turned well over to Premier Svcs (Kelly) for night. (SCE)
- 5/22/04 Well flowing this AM @ 900 FCP on 36/64" ck. Made 427 BW since 5:00 PM. TR 6897. BLWTR 7470. Drilled up 4th plug in 10 min. RIH and tagged fill @ 10,793'. Circ dn to plug @ 10,800 and drilled up in 1 hr 50 min. No additional flow. RIH and tagged fill @ 11,074'. Circ dn to 5th plug and drilled up in 50 min. Dropped dn to Arrowdrill perm pkr @ 11,060' and drilled up in 2 1/2 hrs. Ran remainder of pkr dn to 11,255' (2' above last set of perfs). Left well open to tk on 16/64" ck. 6:00 PM BLWTR 8017. (SCE)
- 5/23/04 Rig report to follow. Hung tubing off at approx 6100'. Well flowing up backside all day on 7/8" ck with 100psi FCP and made 778 BF. TR-7498, BLWTR-6851.
- 5/24/04 Flowed well 24 hrs on a 48/64 ck then 32/64 ck and made 1085 BF. TR-9570, BLWTR-5776. FTP 250 psi, CP 650psi. Some gas going down line thru a 4/64 ck.

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- 5/25/04 Flowed well 24 hrs on a 32/64 ck to pit with 200FTP, 600CP and made an estimated 1150 BW, TR-10720, BLWTR-4626.
- 5/26/04 Flowed well 24 hrs on a 32/64 ck to pit with 200 FTP and 600 CP and made an estimated 1130 BF, TR- 11850, BLWTR 3496
- 5/27/04 Flowed well 24 hrs on a 32/64 ck to pit with 100 FTP and 500 CP and made an estimated 860 BF, TR- 12710, BLWTR 2636 (suspect water production estimates to be high)
- 5/28/04 Well flowing to tk @ 200/450 on 32/64" ck TR 13129. BLWTR 2247.
- 5/29/04 Well flowing to tk @ 550/900 on 16/64" ck TR 13272. BLWTR 2104. Shut well in to build psi.
- 6/1/04 **Turned well dn line @ 7:00 AM 5/31/04**, w/ 1300/1350 on 16/64" ck (adj).
- 6/2/04 Well flowing @ 950/1200 on 16/64" ck against 750psi line pressure. Made 577 MCF, 80 BW, 0 BO, in 24 hrs.
- 6/3/04 Well flowed 24 hrs on a 18/64 ck with 875 FTP and 1150 CP against 750psi line pressure and made 632 MCF, 91 BW, 5 BC.
- 6/4/04 Well flowed 24 hrs on a 18/64 ck with 750 FTP and 1060 CP against 697 psi line pressure and made 650 MCF, 116 BW, 0 BC.

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Distribution list: M. Decker, M. Erickson, R. Dean, D. Finneman, J. Longwell

- 4/7/03 Move in Huffman Excavation. Flat blade road around treed area.
- 4/8/03 Unload two dozers, start pushing location flat.
- 4/9/03 Ripping rock across location with two dozers.
- 4/10/03 Rocked out, will need to drill and shoot two high spots on pad and entire pit area.
- 4/11/03 Move in John Henry rock drill, drill pit area.
- 4/12/03 Drill blast holes in pit area and high spots.
- 4/13/03 Load holes with dynamite and Prell. Blast pit area and two high spots.
- 4/14/03 Push rubble out of pit area with dozers.
- 4/15/03 Level and finish location and pit.
- 4/16/03 Dress off access road with grader.
DC\$35,000
- 4/17/03 Move in Bill Juniors air drilling rig.
- 4/18/03 Drill 17 1/2" hole to 370'. Run 13 3/8" 54# H-40 casing to 359'. Cement with 350 sxs of class "H" cement with 2% CaCl2 mixed at 15.6 ppg.
DC \$51,000 CWC \$86,000
- 4/19/03 Drill 12 1/4" hole with air hammer to 450' .
- 4/20/03 Drill 12 1/4" hole with air hammer to 910'
- 4/21/03 Drill 12 1/4" hole with air hammer to 1410'
- 4/22/03 RD and move off Bill Juniors rig.
- 4/23/03 WO Big Rig

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12/18/03 Huffman installed pit liner and several loads of water. Review location with Nabors Supt. Location looks fine for rig #924.

12/19/03 Start moving in loads of Nabors 924.

12/20/03 Moving in and rigging up Nabors #924.

12/21/03 Moving in and rigging up Nabors #924.

12/22/03 Moving in and rigging up Nabors #924.

12/23/03 Moving in and rigging up Nabors #924.

12/24/03 Moving in and rigging up Nabors #924, start drawworks engines and raise derrick.

12/25/03 SDF Christmas.

12/26/03 SDF Christmas.

12/27/03 Clear 1'-3' drifts of snow.

12/28/03 Have six men on location, eight more enroute, installing boiler and running engines and servicing rig. Received 3200' of 9 5/8" 36# J-55 ST&C intermediate casing.

12/29/03 Unload mud products, prepare to spud well.

12/30/03 Hook up boiler. WO personell. Plan to spud tonight if crew shows up.

12/31/03 Finish repairing rig, GIH with 12 1/4" Security XL18N Insert tip bit, 2-8" collars, 6-6" collars and 4 1/2" DP to 1402'. Resume drilling well at 11:21 PM 12-31-03. Drill to 1431', blew hole in standpipe. Pick up into surface casing. SD WO welder.

1/1/04 Repair standpipe and other broken equipment. No report

1/2/04 PO drilling at 1518' with bit #1. Work on rig. No report.

1/3/04 PO drilling at 1828' with bit #1. Made 310' in 24 hrs. MW 8.4

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- 1/4/04 PO drilling at 2184'. Drill from 1828' to 2181', bit #1 slowed down POOH at 2181' and GIH with bit #2 a 12 1/4" Sec 5376, 2- 8" collars, 12- 6" collars and 4 1/2" DP. Made 356' in 20 hrs. 85 RPM, 35,000# WOB, survey 1 deg at 2749', mud is water.
- 1/5/04 PO drilling at 2652' with bit #2. RPM 85, MW 8.4, WOB 35,000#
- 1/6/04 PO drilling at 2998' with bit #2. Made 318' in 20 hrs. MW 8.8, Vis 27, Ph 8.5, GPM 691, PP 1850, Survey .75 deg at 2853'.
- 1/7/04 PO POOH to run casing. Drill to 3124' C&C hole, POOH and tally drill pipe. Found Nabors tally was off by 4 jts, over 100'. GIH and drill actual footage 3023'-3117'. C&C hole to run intermediate casing. MW 8.8. Survey .75 deg @ 3086'
- 1/8/04 PO WOC. Drill to 3117, circ out and POOH. Ran 91 jts of 9 5/8" 36# J-55 ST&C casing to 3116'. RU Schlumberger and cement with 425 sxs of class G lite mixed at 11 PPG followed by 185 sxs of class G mixed at 14.2 PPG. Good returns thru job, topped off with 42 sxs of class G. Start nipple down BOP's.
- 1/9/04 PO NU BOP'S. ND BOP'S, cut off wellhead, cut off 9 5/8" csg, weld on new casing head, test wellhead to 1000psi OK, NU BOP'S. Should drill out this afternoon.
- 1/10/04 PO Test BOP's. NU BOP stack, replace hydraulic lines, NU diverter lines, replace two bad valves, RU tester, test upper and lower Kelly valves, replace one, test pipe rams 500 low, 5000 high.
- 1/11/04 PO TIH with BHA. Finish testing BOP's and choke, work on fillup line, relocate mousehole, repair charger pump, adjust drawworks brakes, make up Sec FM 2655PDC bit, Sperry Sun mud motor, 18- 6 1/4" collars.
- 1/12/04 PO drilling at 3624'. TIH, work on pipe spinner, TIH and tag cement, work on motors, drill cement and shoe, work on Kelly spinner and air compressor, drill shoe, TEST shoe to 11.88 ppg EMW. Drill to 3624'. ROP 37 ft/hr, Mw 8.4, Vis 24, Ph 10.5, WOB 12K, RPM 150, PP 1850, GPM 691. Oil show at 3515'.

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- 1/13/04 PO control drilling at 4300' with bit #3. Drill to 4130', survey 3deg, control drill from 4130'-4300' to straighten out. Mw 8.8, Vis 26, Ph 8, WOB 12,000#, RPM 207, PP 1850, GPM 415, Survey 3 deg at 4025'.
- 1/14/04 PO control drilling at 5100' with bit #3. Drill from 4130' to 5100' with controlled ROP to control deviation. Mw 8.6, Vis 25, Ph 9.0, WOB 12,000#, RPM 207, PP 1850, GPM 415, Survey 3 deg at 4605'.
- 1/15/04 PO Drilling at 5775'. Drill from 5100' to 5775' with bit #3, made 675' in 23 hrs. Mw 8.7, Vis 26, Ph 8.5, WOB 15-20K, RPM 200, PP 1850, GPM 415.
- 1/16/04 PO drilling at 6315' with bit #3. Drill from 5775' to 6315' in 22 hrs. Mw 8.6, Vis 27, Ph 8.5, WOB 15-20,000#, RPM 200, PP 1850, GPM 415, Survey 3 deg at 5601'.
- 1/17/04 PO Drilling at 6457'. Drill from 6315' to 6457' with bit #3, made 142' in 12 hrs. POOH with bit #3, made 3340' in 108 hrs. GIH with HC 505Z PDC bit, teledrift, 24 6.25" collars. Mw 8.8, Vis 28, Ph 8.5, WOB 15-20K, RPM 200, PP 1850, GPM 415.
- 1/18/04 PO Drilling at 7125'. Fin GIH with bit #4, break in bit, drill from 6457' to 7125' with bit #4, made 668' in 20 hrs. Lost one mud pump, power wen out for several hours. Mw 8.7, Vis 26, Ph 8.5, WOB 15-20K, RPM 57, PP 1850, GPM 346, Survey 2deg at 6605'.
- 1/19/04 PO Drilling at 7550'. Drill from 7125' to 7550' with bit #4. Made 425' in 20 hrs with one pump. Lost rig power twice, mechanic on location now. Starting gradual mud-up. Mw 8.7, Vis 26, Ph 8.5, WOB 15-20K, RPM 57, PP 1850, GPM 346,
- 1/20/04 PO Drilling at 8000'. Drill from 7550' to 8000' with bit #4. Made 450' in 21 hrs. Lost generator again for several hours. MW 9.0, Vis 27, Ph 8.5, WOB 20K, RPM 57, PP 1850, GPM 346, Survey 2.5 deg at 7634'.
- 1/21/04 PO Drilling at 8300'. Drill from 8000' to 8300' with bit #4. Made 300' in 18 hrs. Pump #2 going down frequently cutting P- rate. Mw 9.3, Vis 30, Ph 8, WOB 20, RPM 57, PP 1850, GPM 346.
- 1/22/04 PO POOH for rig service. Drill from 8300' to 8445' with bit #4, lost pump #2 turbo, hydril leaking, cannot make any hole with one pump due to mud

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motor stalling out. Replace turbo, pump still will not keep running. POOH to repair pump and Hydril. Mw 9.3, Vis 31, Ph 8.5.

1/23/04 PO Working on pump #2. Fin POOH with bit #4. Crew did not show up, two hands working on pump #2 Change liners and swabs from 6" to 5 1/2". Two more hands showed up, work on hydril and flowline.

See Excel file for drilling detail
CWC \$ 2,083,796

4/18/04 Questar tap completed and meter house is set.

4/19/04 8 5/8" Riverbend Gas Gathering Pipeline complete. Welders working on pig traps and scrubber.

4/20/04 Roustabout crew set 2-300 bbl tanks, separator, and dehydrator. Facility 50% complete.

4/23/04 WHI NU frac tree w/ 10k 4 1/2" frac valve. NU Gasco 10k flowback manifold. 20 frac tks set. Nebecker starting to fill tks, using Baroid Kcl concentrate. (SCE)

4/29/04 Battery 90% complete. SD due to snow storm today. (SCE)
DC \$86713 CWC \$2,170,509

5/6/2004 RU Schlumberger-Wayne, RU full lubricator, RIH with 3 3/8" Power Jet gun 3 SPF. Perforate 11257'-11260', 11222'-11225', and 11173'-11176'. Well went on vacuum. DC \$54,146 CWC \$2,224,655

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- 5/8/2004 RU Slb wireline, GIH with 1 11/16" sinker bars to packer at 11160'. Pressure up to 2000 psi and tap on knock out plug, did not come loose, increased pressure to 3700psi and knocked plug loose. RU and frac Stage 1, Blackhawk-Kenilworth with 97,600# of 20-40 sand and 70,800# of 20-40 SBXL partially cured resin coated sand, using 1402 bbls of YF-125ST fluid in 2 % KCL. ATP 7141psi at 42.8 BPM. ISIP 5140. GIH with Weatherford plug and set same at 11080'. Perforate Blackhawk-Sunnyside 10960'-10963', 11014'-11017', and 11060'-11062' 3 SPF with a 3 3/8" Power Jet gun. RU and frac Sunnyside with 91,500# of 20-40 sand and 75,000 # of 20-40 SBXL using 1872 bbls of YF-125ST fluid. ATP 6947 psi at 45.9 BPM. ISIP 4420psi. (17 holes open). Wait 30 minutes for resin to cure and turn well on with 3950psi on a 8/64" choke at 4:20 PM. Flowed back 478 bbls in 12 hrs on a 10/64 ck final flowing pressure 2850 psi.
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- 5/10/2004 Flow well 24 hrs on a 16/64 ck with 1600psi FCP and made 926 BF. TR 2316 BF, 2974 BLWTR.
- 5/11/2004 Shut well in to finish tie in @ wellhead. Put gas to separator and fired up dehy. Started to purge gas sales line. Fluid hit and had to put well back to flowback for night. Will finish purge in AM open thru Questar meter. (SCE) Flowed well 16 hrs on a 20/64 then 16/64 ck and made 533 BF with 1200psi FCP, TR 2849 BF, BLWTR 2441 BF. Fluid rate down to 10 BFPH, will put well down line this AM.
- 5/12/04 Finished purging sales line. Dew point at 30# (25# over limit). Blew line dn. Held 700 psi back pressure and Dehy brought dew pt down to 6#.. Flowing well thru sep on 14-16/64"ck, re-pressurizing gas sales line. (SCE) Flowed well 22 hrs on a 14-16/64 ck with 1000-650 psi FCP and made 285 BF. TR 3144. BLWTR 2156. This AM well had 650 psi, unloaded well to pit with a 20/64 ck.

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- 5/13/04 Well flowing to flowback tk @ 720 MCFPD rate w/ 900 FCP. Shut in @ 3:00 PM. Made 124 BF, TR 3268, BLWTR 2032. RU SLB and full lube. RIH w/ Halliburton comp frac plug (8K) and set @ 10,260'. Perforated f/ 10236 to 10239, 10226 to 10228. Gun failed to fire next gun. POOH and repaired switch. RIH and finished perforating f/ 10210' to 10212', 10174' to 10178'.
- 5/14/04 Questar opened tap, flow well for one hour at 1 MMCFPD avg rate. SWI RU Slb and broke down lower Mesaverde Stage 4. Perform step rate test, 19 holes open. Sart frac, blender pumped 10 ppg sand slug by mistake, well screened out. Flow back well and clean up to pit. Start frac again, pump 20# linear gell pad followed by slickwater. Pumped 46,700# of 20-40 sand and 13,466# of 20-40 SBXL sand using 1610 bbls of gell and slickwater. ATP 6442psi At 55 BPM. Well screened out 60 bbls into flush. Turned well to flowback for 3 hours to clean up sand. GIH set a FTFP at 9762' and perforate stage 5 with a 3 3/8" Power Jet gun as follows: 9539'-542', 9578'-581', 9644'-646', 9687'-689', 9742'-744' 3 SPF. Flowed well 14 hrs and made 872 BF. FFP 400 psi on a 14/64 ck. TR 4140, BLWTR 2770. DC \$53,196 CWC \$ 2,592,941
- 5/15/04 RU Slb. Broke down stage 5 with 4640 psi. lost hydraulics on LTM have to run chemicals thru POD blender, will cut rate accordingly. Frac stage 5 with 76,000# of 20-40 sand and 55,000# of 20-40 SBXL using 2200 Bbls of Clear-Frac. ATP 4464 psi at 50 BPM. ISIP 3370 psi. Good height growth thru-out job. Flow back 160 bbls to get closure. RU wireline, set 8K Howco FTFP at 7896'. Perforate Upper Mesaverde 7876'-879', 7844'-846', 7830'-833', 7766'-768', 7756'-758' 3 SPF 36 holes. Boke down stage 6 with 4663 psi. Frac Dark Canyon with 76,800# of 20-40 sand and 19200# of 20-40 SBXL using 250 bbls of 20# linear gell and 2001 bbls of 2% KCL slickwater. ATP 6250psi at 62.4 BPM. ISIP 3680psi. GIH with 3 3/8" Power Jet gun and perforate 6292'-295', 6310'-313', 6462'-465', 6470'-473'. ISD-No plug set. Broke down Wasatch with 4663psi. Frac well with 96,000# of 20-40 sand and 24,000# of 20-40 SBXL using 250 bbls of 20# linear gell and 2523 bbls of 2% KCL Slickwater. ATP 4943psi at 57.3 BPM. ISIP-2841psi. Shut well in for 10 min and turned on a 12/64 ck. Flowed well 14 hrs on a 14 then 16/64 ck. This AM have 700psi FCP and made 1094 BF, TR 5234, BLWTR-8900. DC \$ 453,942 CWC \$ 3,046,883

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- 5/16/04 Flowed well 24 hrs on a 16/64 ck and made 601 BF, TR-5835, BLWTR-8291. Final flowing pressure 100psi. Unload well to pit and put on a 24/64 ck.
- 5/17/04 Flowed well 24 hrs on 48/64 ck and made 121BF. TR-5956, BLWTR-8170. Well loaded-up and barely flowing.
- 5/18/04 Road POOL rig 820 to loc. (SCE)
- 5/19/04 MIRU. Found well dead this AM. ND frac tree and flowback manifold. NU BOPE. RIH w/ 3 3/4" 4 blade junk mill (Weatherford) on pump off sub w/ float + 1 jt 2 3/8" + XN nipple (1.87") + 1 jt + x nipple + 2 3/8" tbg to +- 4250'. Shut dn due to high winds, cross threading tbg. SWIFN. (SCE) DC \$27,253 CWC \$3,074,136
- 5/20/04 Fd 600 psi SICP. Blew dead. Cont RIH w/ assy. Tagged sd @ 7842' (54' above top plug). Circ cln to plug @ 7896'. Drilled up HES frac plug in 40 min. No added flow after drill out. Cont RIH and tagged sd @ 9611' (151' sd on plug). Circ sd dn to 2nd HES frac plug @ 9762'. Drilled up in 30 min. Well started flowing. Unloaded +- 20 bbls to pit and put to flowback tk for night on 16/64" ck, w/ 20 psi FCP. 85 BLWTR today. (SCE)
- 5/21/04 Fd 150 FCP on 16/64" ck. Recovered 150 BW overnight. Opened to pit and flowed +- 30 bbls. RIH and tag sd @ 10230'. Circ cln to 10260' (3rd Howco plug) and well kicked off flowing. SI w/ 2500 psi. Flowed well all day to flowback tk and sep. FCP 1000 psi on 24/64" ck to tk and 18-24/64" ck to sep. At 5:00 PM, Flowed 358 BW, 7897 BLWTR. Turned well over to Premier Svcs (Kelly) for night. (SCE)
- 5/22/04 Well flowing this AM @ 900 FCP on 36/64" ck. Made 427 BW since 5:00 PM. TR 6897. BLWTR 7470. Drilled up 4th plug in 10 min. RIH and tagged fill @ 10,793'. Circ dn to plug @ 10,800 and drilled up in 1 hr 50 min. No additional flow. RIH and tagged fill @ 11,074'. Circ dn to 5th plug and drilled up in 50 min. Dropped dn to Arrowdrill perm pkr @ 11,060' and drilled up in 2 1/2 hrs. Ran remainder of pkr dn to 11,255' (2' above last set of perfs). Left well open to tk on 16/64" ck. 6:00 PM BLWTR 8017. (SCE) DC \$ 69,017 CWC \$3,143,153
- 5/23/04 Rig report to follow. Hung tubing off at approx 6100'. Well flowing up backside all day on 7/8" ck with 100psi FCP and made 778 BF. TR-7498, BLWTR-6851.

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- 5/24/04 Flowed well 24 hrs on a 48/64 ck then 32/64 ck and made 1085 BF. TR-9570, BLWTR-5776. FTP 250 psi, CP 650psi. Some gas going down line thru a 4/64 ck.
- 5/25/04 Flowed well 24 hrs on a 32/64 ck to pit with 200FTP, 600CP and made an estimated 1150 BW, TR-10720, BLWTR-4626.
- 5/26/04 Flowed well 24 hrs on a 32/64 ck to pit with 200 FTP and 600 CP and made an estimated 1130 BF, TR- 11850, BLWTR 3496
- 5/27/04 Flowed well 24 hrs on a 32/64 ck to pit with 100 FTP and 500 CP and made an estimated 860 BF, TR- 12710, BLWTR 2636 (suspect water production estimates to be high)
- 5/28/04 Well flowing to tk @ 200/450 on 32/64" ck TR 13129. BLWTR 2247.
- 5/29/04 Well flowing to tk @ 550/900 on 16/64" ck TR 13272. BLWTR 2104. Shut well in to build psi.
- 5/30/04 Shut well in to build psi
- 5/31/04 Shut well in to build psi
- 6/1/04 **Turned well dn line @ 7:00 AM 5/31/04**, w/ 1300/1350 on 16/64" ck (adj). Well flowing @ 950/1200 on 16/64" ck against 750psi line pressure. Made 577 MCF, 80 BW, 0 BO, in 24 hrs.
- 6/2/04 Well flowed 24 hrs on a 18/64 ck with 875 FTP and 1150 CP against 750psi line pressure and made 632 MCF, 91 BW, 5 BC.
- 6/3/04 Well flowed 24 hrs on a 18/64 ck with 750 FTP and 1060 CP against 697 psi line pressure and made 650 MCF, 116 BW, 0 BC.
- 6/4/04 Well flowed 24 hrs on a 18/64 ck with 790 FTP and 1050 CP against 713 psi line pressure and made 591 MCF, 101 BW, 3 BC.
- 6/5/04 Well flowed 24 hrs on a 18/64 ck with 790 FTP and 1050 CP against 712 psi line pressure and made 581 MCF, 97 BW, 0 BC. Shut well in
- 6/6/04 1450 SITP, 1480 SICP
- 6/7/04 1600 SITP, 1600 SICP Turned well on for IP test

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- 6/8/04 Flowed 24 hrs on a 14/64 ck and made 1081 MCF, 252 BW with a Final FTP of 125psi and CP of 700psi. **Initial Production Test**
- 6/9/04 Shut in.
- 6/10/04 Flowed 20 hours on a 16/64 choke and made 203 MCF, 0 BC, 5 BW, FTP 1500psi, FCP 1500psi, gathering line 710psi, Questar main line 677psi
- 6/11/04 Flowed 24 hours on a 16/64 choke and made 648 MCF, 4 BC, 125 BW, FTP 750psi, FCP 1080psi, gathering line 678psi, Questar main line 610psi
- 6/12/04 Flowed 24 hours on a 16/64 CK, made 617MCF, 0BC, 108BW, FTP 750psi, FCP 1050psi, gas gathering line 720psi, Questar main line 713psi
- 6/13/04 Flowed 24 hours on a 16/64 CK, made 600MCF, 0BC, 128BW, FTP 750psi, FCP 1050psi, gas gathering line 721psi, Questar main line 712psi
- 6/14/04 Flowed 24 hours on a 16/64 CK, made 596 MCF, 0BC, 102BW, FTP 750psi, FCP 1020psi, gas gathering line 689psi, Questar main line 674psi.
- 6/15/04 Flowed 24 hours, made 531 MCF, 4BC, 80BW, FTP 750psi, FCP 1025psi, gas gathering line 740psi, Questar main line 731psi.
- 6/16/04 Flowed 24 hours, made 536 MCF, 1BC, 77BW, FTP 710psi, FCP 1050psi, gas gathering line 739psi, Questar main line 730psi. Changed choke to a 23/64 on 6/16/04.
- 6/17/04 Flowed 24 hours on a 23/64 choke, made 534 MCF, 0BC, 76BW, FTP 740psi, FCP 1025psi, gas gathering line 693psi, Questar main line 688psi. Changed choke to a 30/64 in the A.M. on 6/17/04.
- 6/18/04 Flowed 24 hours on a 30/64 choke, made 554 MCF, 2BC, 96BW, FTP 750psi, FCP 1000psi, gas gathering line 727psi, Questar main line 717psi. Changed choke to a 32/64 in the A.M. on 6/18/04.
- 6/19/04 Flowed 24 hours on a 32/64 choke, made 530 MCF, 0BC, 72BW, FTP 750psi, FCP 1000psi, gas gathering line 733psi, Questar main line 723psi. Changed choke to a 36/64 in the A.M. on 6/19/04.

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- 6/20/04 Flowed 24 hours on a 36/64 choke, made 527 MCF, 2BC, 88BW, FTP 740psi, FCP 1000psi, gas gathering line 721psi, Questar main line 512psi. Changed choke to a 40/64 in the A.M. on 6/20/04.
- 6/21/04 Flowed 24 hours on a 40/64 choke, made 517 MCF, 2BC, 88BW, FTP 700psi, FCP 1000psi, gas gathering line 692psi, Questar main line 674psi. Changed choke to a 48/64 in the A.M. on 6/21/04.
- 6/22/04 Flowed 24 hours on a 48/64 choke, made 492 MCF, 0BC, 74BW, FTP 750psi, FCP 1000psi, gas gathering line 731psi, Questar main line 720psi. Changed choke to a 64/64 in the A.M. on 6/22/04.
- 6/23/04 Flowed 24 hours on a 64/64 choke, made 487 MCF, 2BC, 68BW, FTP 750psi, FCP 1000psi, gas gathering line 727psi, Questar main line 718psi. CWC \$3,143,153
- 6/24/04 Flowed 24 hours on a 64/64 choke, made 488 MCF, 0BC, 70BW, FTP 725psi, FCP 1000psi, gas gathering line 709psi, Questar main line 700psi.

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Distribution list: M. Decker, M. Erickson, R. Dean, D. Finneman, J. Longwell

- 4/7/03 Move in Huffman Excavation. Flat blade road around treed area.
- 4/8/03 Unload two dozers, start pushing location flat.
- 4/9/03 Ripping rock across location with two dozers.
- 4/10/03 Rocked out, will need to drill and shoot two high spots on pad and entire pit area.
- 4/11/03 Move in John Henry rock drill, drill pit area.
- 4/12/03 Drill blast holes in pit area and high spots.
- 4/13/03 Load holes with dynamite and Prell. Blast pit area and two high spots.
- 4/14/03 Push rubble out of pit area with dozers.
- 4/15/03 Level and finish location and pit.
- 4/16/03 Dress off access road with grader.
DC\$35,000
- 4/17/03 Move in Bill Juniors air drilling rig.
- 4/18/03 Drill 17 1/2" hole to 370'. Run 13 3/8" 54# H-40 casing to 359'. Cement with 350 sxs of class "H" cement with 2% CaCl2 mixed at 15.6 ppg.
DC \$51,000 CWC \$86,000
- 4/19/03 Drill 12 1/4" hole with air hammer to 450' .
- 4/20/03 Drill 12 1/4" hole with air hammer to 910'
- 4/21/03 Drill 12 1/4" hole with air hammer to 1410'
- 4/22/03 RD and move off Bill Juniors rig.
- 4/23/03 WO Big Rig

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12/18/03 Huffman installed pit liner and several loads of water. Review location with Nabors Supt. Location looks fine for rig #924.

12/19/03 Start moving in loads of Nabors 924.

12/20/03 Moving in and rigging up Nabors #924.

12/21/03 Moving in and rigging up Nabors #924.

12/22/03 Moving in and rigging up Nabors #924.

12/23/03 Moving in and rigging up Nabors #924.

12/24/03 Moving in and rigging up Nabors #924, start drawworks engines and raise derrick.

12/25/03 SDF Christmas.

12/26/03 SDF Christmas.

12/27/03 Clear 1'-3' drifts of snow.

12/28/03 Have six men on location, eight more enroute, installing boiler and running engines and servicing rig. Received 3200' of 9 5/8" 36# J-55 ST&C intermediate casing.

12/29/03 Unload mud products, prepare to spud well.

12/30/03 Hook up boiler. WO personell. Plan to spud tonight if crew shows up.

12/31/03 Finish repairing rig, GIH with 12 1/4" Security XL18N Insert tip bit, 2-8" collars, 6-6" collars and 4 1/2" DP to 1402'. Resume drilling well at 11:21 PM 12-31-03. Drill to 1431', blew hole in standpipe. Pick up into surface casing. SD WO welder.

1/1/04 Repair standpipe and other broken equipment. No report

1/2/04 PO drilling at 1518' with bit #1. Work on rig. No report.

1/3/04 PO drilling at 1828' with bit #1. Made 310' in 24 hrs. MW 8.4

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- 1/4/04 PO drilling at 2184'. Drill from 1828' to 2181', bit #1 slowed down POOH at 2181' and GIH with bit #2 a 12 1/4" Sec 5376, 2- 8" collars, 12- 6" collars and 4 1/2" DP. Made 356' in 20 hrs. 85 RPM, 35,000# WOB, survey 1 deg at 2749', mud is water.
- 1/5/04 PO drilling at 2652' with bit #2. RPM 85, MW 8.4, WOB 35,000#
- 1/6/04 PO drilling at 2998' with bit #2. Made 318' in 20 hrs. MW 8.8, Vis 27, Ph 8.5, GPM 691, PP 1850, Survey .75 deg at 2853'.
- 1/7/04 PO POOH to run casing. Drill to 3124' C&C hole, POOH and tally drill pipe. Found Nabors tally was off by 4 jts, over 100'. GIH and drill actual footage 3023'-3117'. C&C hole to run intermediate casing. MW 8.8. Survey .75 deg @ 3086'
- 1/8/04 PO WOC. Drill to 3117, circ out and POOH. Ran 91 jts of 9 5/8" 36# J-55 ST&C casing to 3116'. RU Schlumberger and cement with 425 sxs of class G lite mixed at 11 PPG followed by 185 sxs of class G mixed at 14.2 PPG. Good returns thru job, topped off with 42 sxs of class G. Start nipple down BOP's.
- 1/9/04 PO NU BOP'S. ND BOP'S, cut off wellhead, cut off 9 5/8" csg, weld on new casing head, test wellhead to 1000psi OK, NU BOP'S. Should drill out this afternoon.
- 1/10/04 PO Test BOP's. NU BOP stack, replace hydraulic lines, NU diverter lines, replace two bad valves, RU tester, test upper and lower Kelly valves, replace one, test pipe rams 500 low, 5000 high.
- 1/11/04 PO TIH with BHA. Finish testing BOP's and choke, work on fillup line, relocate mousehole, repair charger pump, adjust drawworks brakes, make up Sec FM 2655PDC bit, Sperry Sun mud motor, 18- 6 1/4" collars.
- 1/12/04 PO drilling at 3624'. TIH, work on pipe spinner, TIH and tag cement, work on motors, drill cement and shoe, work on Kelly spinner and air compressor, drill shoe, TEST shoe to 11.88 ppg EMW. Drill to 3624'. ROP 37 ft/hr, Mw 8.4, Vis 24, Ph 10.5, WOB 12K, RPM 150, PP 1850, GPM 691. Oil show at 3515'.

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- 1/13/04 PO control drilling at 4300' with bit #3. Drill to 4130', survey 3deg, control drill from 4130'-4300' to straighten out. Mw 8.8, Vis 26, Ph 8, WOB 12,000#, RPM 207, PP 1850, GPM 415, Survey 3 deg at 4025'.
- 1/14/04 PO control drilling at 5100' with bit #3. Drill from 4130' to 5100' with controlled ROP to control deviation. Mw 8.6, Vis 25, Ph 9.0, WOB 12,000#, RPM 207, PP 1850, GPM 415, Survey 3 deg at 4605'.
- 1/15/04 PO Drilling at 5775'. Drill from 5100' to 5775' with bit #3, made 675' in 23 hrs. Mw 8.7, Vis 26, Ph 8.5, WOB 15-20K, RPM 200, PP 1850, GPM 415.
- 1/16/04 PO drilling at 6315' with bit #3. Drill from 5775' to 6315' in 22 hrs. Mw 8.6, Vis 27, Ph 8.5, WOB 15-20,000#, RPM 200, PP 1850, GPM 415, Survey 3 deg at 5601'.
- 1/17/04 PO Drilling at 6457'. Drill from 6315' to 6457' with bit #3, made 142' in 12 hrs. POOH with bit #3, made 3340' in 108 hrs. GIH with HC 505Z PDC bit, teledrift, 24 6.25" collars. Mw 8.8, Vis 28, Ph 8.5, WOB 15-20K, RPM 200, PP 1850, GPM 415.
- 1/18/04 PO Drilling at 7125'. Fin GIH with bit #4, break in bit, drill from 6457' to 7125' with bit #4, made 668' in 20 hrs. Lost one mud pump, power wen out for several hours. Mw 8.7, Vis 26, Ph 8.5, WOB 15-20K, RPM 57, PP 1850, GPM 346, Survey 2deg at 6605'.
- 1/19/04 PO Drilling at 7550'. Drill from 7125' to 7550' with bit #4. Made 425' in 20 hrs with one pump. Lost rig power twice, mechanic on location now. Starting gradual mud-up. Mw 8.7, Vis 26, Ph 8.5, WOB 15-20K, RPM 57, PP 1850, GPM 346,
- 1/20/04 PO Drilling at 8000'. Drill from 7550' to 8000' with bit #4. Made 450' in 21 hrs. Lost generator again for several hours. MW 9.0, Vis 27, Ph 8.5, WOB 20K, RPM 57, PP 1850, GPM 346, Survey 2.5 deg at 7634'.
- 1/21/04 PO Drilling at 8300'. Drill from 8000' to 8300' with bit #4. Made 300' in 18 hrs. Pump #2 going down frequently cutting P- rate. Mw 9.3, Vis 30, Ph 8, WOB 20, RPM 57, PP 1850, GPM 346.
- 1/22/04 PO POOH for rig service. Drill from 8300' to 8445' with bit #4, lost pump #2 turbo, hydril leaking, cannot make any hole with one pump due to mud

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motor stalling out. Replace turbo, pump still will not keep running. POOH to repair pump and Hydril. Mw 9.3, Vis 31, Ph 8.5.

1/23/04 PO Working on pump #2. Fin POOH with bit #4. Crew did not show up, two hands working on pump #2 Change liners and swabs from 6" to 5 1/2". Two more hands showed up, work on hydril and flowline.

See Excel file for drilling detail
CWC \$ 2,083,796

4/18/04 Questar tap completed and meter house is set.

4/19/04 8 5/8" Riverbend Gas Gathering Pipeline complete. Welders working on pig traps and scrubber.

4/20/04 Roustabout crew set 2-300 bbl tanks, separator, and dehydrator. Facility 50% complete.

4/23/04 WHI NU frac tree w/ 10k 4 1/2" frac valve. NU Gasco 10k flowback manifold. 20 frac tks set. Nebecker starting to fill tks, using Baroid Kcl concentrate. (SCE)

4/29/04 Battery 90% complete. SD due to snow storm today. (SCE)
DC \$86713 CWC \$2,170,509

5/6/2004 RU Schlumberger-Wayne, RU full lubricator, RIH with 3 3/8" Power Jet gun 3 SPF. Perforate 11257'-11260', 11222'-11225', and 11173'-11176'. Well went on vacuum. DC \$54,146 CWC \$2,224,655

5/7/2004 RU Schlumberger. Took 3 bbls to fill hole. Break down Blackhawk Kenilworth with 4308 psi. Performed step rate test. Max rate 34.2 BPM at 6313 psi. 25 holes open. Start pad, wellhead ring gasket failed at bottom connection while pumping frac. Shut down frac. Flowed well back to pit, unloaded all frac fluid, well flowing estimated 300-500MCFPD on open choke. SI, well built to 2000 psi in 10 min. Open well to pit and flow while waiting on equipment. Pump 95 bbls 2% KCL down casing caught pressure and SD. GIH with Arrow Drill packer with millout extension and 10K knock-out plug on Slb wireline, set same at 11160'. Blew well down from 2300 psi to zero in 1 hour. Remove tree and found cardboard cover between flanges and no ring gasket installed. Installed ring gasket and replaced wellhead. SDFN.

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- 5/8/2004 RU Slb wireline, GIH with 1 11/16" sinker bars to packer at 11160'. Pressure up to 2000 psi and tap on knock out plug, did not come loose, increased pressure to 3700psi and knocked plug loose. RU and frac Stage 1, Blackhawk-Kenilworth with 97,600# of 20-40 sand and 70,800# of 20-40 SBXL partially cured resin coated sand, using 1402 bbls of YF-125ST fluid in 2 % KCL. ATP 7141psi at 42.8 BPM. ISIP 5140. GIH with Weatherford plug and set same at 11080'. Perforate Blackhawk-Sunnyside 10960'-10963', 11014'-11017', and 11060'-11062' 3 SPF with a 3 3/8" Power Jet gun. RU and frac Sunnyside with 91,500# of 20-40 sand and 75,000 # of 20-40 SBXL using 1872 bbls of YF-125ST fluid. ATP 6947 psi at 45.9 BPM. ISIP 4420psi. (17 holes open). Wait 30 minutes for resin to cure and turn well on with 3950psi on a 8/64" choke at 4:20 PM. Flowed back 478 bbls in 12 hrs on a 10/64 ck final flowing pressure 2850 psi.
- 5/9/2004 RU Slb wireline with STS 10K lubricator- Dewayne. GIH and set Weatherford Frac Plug at 10,800'. GIH with 3 3/8" Power Jet gun and Perf Blackhawk Desert and Grassy 10613'-616', 10650'-653', 10718'-720', 10774'-776'. 30 holes. Lubricator worked very well. RU Frac crew- Selwyn& Rob, Break down well with 4819 psi. ISIP-4070psi, Frac well with 46,850# of 20-40 sand using 1830 bbls of Slickwater. ATP 7046psi at 55 BPM. Well started screening-out, lost 2 benches, got well flushed at 34 BPM. ISIP 3880 psi. Flow well 16 hrs on a 14/64 ck with 1800psi FCP and made 912 BF with light sand. TR 1390 BF, 3897 BLWTR. DC \$315,090 CWC \$ 2,539,745
- 5/10/2004 Flow well 24 hrs on a 16/64 ck with 1600psi FCP and made 926 BF. TR 2316 BF, 2974 BLWTR.
- 5/11/2004 Shut well in to finish tie in @ wellhead. Put gas to separator and fired up dehy. Started to purge gas sales line. Fluid hit and had to put well back to flowback for night. Will finish purge in AM open thru Questar meter. (SCE) Flowed well 16 hrs on a 20/64 then 16/64 ck and made 533 BF with 1200psi FCP, TR 2849 BF, BLWTR 2441 BF. Fluid rate down to 10 BFPH, will put well down line this AM.
- 5/12/04 Finished purging sales line. Dew point at 30# (25# over limit). Blew line dn. Held 700 psi back pressure and Dehy brought dew pt down to 6#.. Flowing well thru sep on 14-16/64"ck, re-pressurizing gas sales line. (SCE) Flowed well 22 hrs on a 14-16/64 ck with 1000-650 psi FCP and made 285 BF. TR 3144. BLWTR 2156. This AM well had 650 psi, unloaded well to pit with a 20/64 ck.

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- 5/13/04 Well flowing to flowback tk @ 720 MCFPD rate w/ 900 FCP. Shut in @ 3:00 PM. Made 124 BF, TR 3268, BLWTR 2032. RU SLB and full lube. RIH w/ Halliburton comp frac plug (8K) and set @ 10,260'. Perforated f/ 10236 to 10239, 10226 to 10228. Gun failed to fire next gun. POOH and repaired switch. RIH and finished perforating f/ 10210' to 10212', 10174' to 10178'.
- 5/14/04 Questar opened tap, flow well for one hour at 1 MMCFPD avg rate. SWI RU Slb and broke down lower Mesaverde Stage 4. Perform step rate test, 19 holes open. Sart frac, blender pumped 10 ppg sand slug by mistake, well screened out. Flow back well and clean up to pit. Start frac again, pump 20# linear gell pad followed by slickwater. Pumped 46,700# of 20-40 sand and 13,466# of 20-40 SBXL sand using 1610 bbls of gell and slickwater. ATP 6442psi At 55 BPM. Well screened out 60 bbls into flush. Turned well to flowback for 3 hours to clean up sand. GIH set a FTFP at 9762' and perforate stage 5 with a 3 3/8" Power Jet gun as follows: 9539'-542', 9578'-581', 9644'-646', 9687'-689', 9742'-744' 3 SPF. Flowed well 14 hrs and made 872 BF. FFP 400 psi on a 14/64 ck. TR 4140, BLWTR 2770. DC \$53,196 CWC \$ 2,592,941
- 5/15/04 RU Slb. Broke down stage 5 with 4640 psi. lost hydraulics on LTM have to run chemicals thru POD blender, will cut rate accordingly. Frac stage 5 with 76,000# of 20-40 sand and 55,000# of 20-40 SBXL using 2200 Bbls of Clear-Frac. ATP 4464 psi at 50 BPM. ISIP 3370 psi. Good height growth thru-out job. Flow back 160 bbls to get closure. RU wireline, set 8K Howco FTFP at 7896'. Perforate Upper Mesaverde 7876'-879', 7844'-846', 7830'-833', 7766'-768', 7756'-758' 3 SPF 36 holes. Boke down stage 6 with 4663 psi. Frac Dark Canyon with 76,800# of 20-40 sand and 19200# of 20-40 SBXL using 250 bbls of 20# linear gell and 2001 bbls of 2% KCL slickwater. ATP 6250psi at 62.4 BPM. ISIP 3680psi. GIH with 3 3/8" Power Jet gun and perforate 6292'-295', 6310'-313', 6462'-465', 6470'-473'. ISD-No plug set. Broke down Wasatch with 4663psi. Frac well with 96,000# of 20-40 sand and 24,000# of 20-40 SBXL using 250 bbls of 20# linear gell and 2523 bbls of 2% KCL Slickwater. ATP 4943psi at 57.3 BPM. ISIP-2841psi. Shut well in for 10 min and turned on a 12/64 ck. Flowed well 14 hrs on a 14 then 16/64 ck. This AM have 700psi FCP and made 1094 BF, TR 5234, BLWTR-8900. DC \$ 453,942 CWC \$ 3,046,883

GASCO Energy
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Duchesne County, Utah

CONFIDENTIAL

- 5/16/04 Flowed well 24 hrs on a 16/64 ck and made 601 BF, TR-5835, BLWTR-8291. Final flowing pressure 100psi. Unload well to pit and put on a 24/64 ck.
- 5/17/04 Flowed well 24 hrs on 48/64 ck and made 121BF. TR-5956, BLWTR-8170. Well loaded-up and barely flowing.
- 5/18/04 Road POOL rig 820 to loc. (SCE)
- 5/19/04 MIRU. Found well dead this AM. ND frac tree and flowback manifold. NU BOPE. RIH w/ 3 3/4" 4 blade junk mill (Weatherford) on pump off sub w/ float + 1 jt 2 3/8" + XN nipple (1.87") + 1 jt + x nipple + 2 3/8" tbg to +- 4250'. Shut dn due to high winds, cross threading tbg. SWIFN. (SCE) DC \$27,253 CWC \$3,074,136
- 5/20/04 Fd 600 psi SICP. Blew dead. Cont RIH w/ assy. Tagged sd @ 7842' (54' above top plug). Circ cln to plug @ 7896'. Drilled up HES frac plug in 40 min. No added flow after drill out. Cont RIH and tagged sd @ 9611' (151' sd on plug). Circ sd dn to 2nd HES frac plug @ 9762'. Drilled up in 30 min. Well started flowing. Unloaded +- 20 bbls to pit and put to flowback tk for night on 16/64" ck, w/ 20 psi FCP. 85 BLWTR today. (SCE)
- 5/21/04 Fd 150 FCP on 16/64" ck. Recovered 150 BW overnight. Opened to pit and flowed +- 30 bbls. RIH and tag sd @ 10230'. Circ cln to 10260' (3rd Howco plug) and well kicked off flowing. SI w/ 2500 psi. Flowed well all day to flowback tk and sep. FCP 1000 psi on 24/64" ck to tk and 18-24/64" ck to sep. At 5:00 PM, Flowed 358 BW, 7897 BLWTR. Turned well over to Premier Svcs (Kelly) for night. (SCE)
- 5/22/04 Well flowing this AM @ 900 FCP on 36/64" ck. Made 427 BW since 5:00 PM. TR 6897. BLWTR 7470. Drilled up 4th plug in 10 min. RIH and tagged fill @ 10,793'. Circ dn to plug @ 10,800 and drilled up in 1 hr 50 min. No additional flow. RIH and tagged fill @ 11,074'. Circ dn to 5th plug and drilled up in 50 min. Dropped dn to Arrowdrill perm pkr @ 11,060' and drilled up in 2 1/2 hrs. Ran remainder of pkr dn to 11,255' (2' above last set of perfs). Left well open to tk on 16/64" ck. 6:00 PM BLWTR 8017. (SCE) DC \$ 69,017 CWC \$3,143,153
- 5/23/04 Rig report to follow. Hung tubing off at approx 6100'. Well flowing up backside all day on 7/8" ck with 100psi FCP and made 778 BF. TR-7498, BLWTR-6851.

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- 5/24/04 Flowed well 24 hrs on a 48/64 ck then 32/64 ck and made 1085 BF. TR-9570, BLWTR-5776. FTP 250 psi, CP 650psi. Some gas going down line thru a 4/64 ck.
- 5/25/04 Flowed well 24 hrs on a 32/64 ck to pit with 200FTP, 600CP and made an estimated 1150 BW, TR-10720, BLWTR-4626.
- 5/26/04 Flowed well 24 hrs on a 32/64 ck to pit with 200 FTP and 600 CP and made an estimated 1130 BF, TR- 11850, BLWTR 3496
- 5/27/04 Flowed well 24 hrs on a 32/64 ck to pit with 100 FTP and 500 CP and made an estimated 860 BF, TR- 12710, BLWTR 2636 (suspect water production estimates to be high)
- 5/28/04 Well flowing to tk @ 200/450 on 32/64" ck TR 13129. BLWTR 2247.
- 5/29/04 Well flowing to tk @ 550/900 on 16/64" ck TR 13272. BLWTR 2104. Shut well in to build psi.
- 5/30/04 Shut well in to build psi
- 5/31/04 Shut well in to build psi
- 6/1/04 **Turned well dn line @ 7:00 AM 5/31/04**, w/ 1300/1350 on 16/64" ck (adj). Well flowing @ 950/1200 on 16/64" ck against 750psi line pressure. Made 577 MCF, 80 BW, 0 BO, in 24 hrs.
- 6/2/04 Well flowed 24 hrs on a 18/64 ck with 875 FTP and 1150 CP against 750psi line pressure and made 632 MCF, 91 BW, 5 BC.
- 6/3/04 Well flowed 24 hrs on a 18/64 ck with 750 FTP and 1060 CP against 697 psi line pressure and made 650 MCF, 116 BW, 0 BC.
- 6/4/04 Well flowed 24 hrs on a 18/64 ck with 790 FTP and 1050 CP against 713 psi line pressure and made 591 MCF, 101 BW, 3 BC.
- 6/5/04 Well flowed 24 hrs on a 18/64 ck with 790 FTP and 1050 CP against 712 psi line pressure and made 581 MCF, 97 BW, 0 BC. Shut well in
- 6/6/04 1450 SITP, 1480 SICP
- 6/7/04 1600 SITP, 1600 SICP Turned well on for IP test

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- 6/8/04 Flowed 24 hrs on a 14/64 ck and made 1081 MCF, 252 BW with a Final FTP of 125psi and CP of 700psi. **Initial Production Test**
- 6/9/04 Shut in.
- 6/10/04 Flowed 20 hours on a 16/64 choke and made 203 MCF, 0 BC, 5 BW, FTP 1500psi, FCP 1500psi, gathering line 710psi, Questar main line 677psi
- 6/11/04 Flowed 24 hours on a 16/64 choke and made 648 MCF, 4 BC, 125 BW, FTP 750psi, FCP 1080psi, gathering line 678psi, Questar main line 610psi
- 6/12/04 Flowed 24 hours on a 16/64 CK, made 617MCF, 0BC, 108BW, FTP 750psi, FCP 1050psi, gas gathering line 720psi, Questar main line 713psi
- 6/13/04 Flowed 24 hours on a 16/64 CK, made 600MCF, 0BC, 128BW, FTP 750psi, FCP 1050psi, gas gathering line 721psi, Questar main line 712psi
- 6/14/04 Flowed 24 hours on a 16/64 CK, made 596 MCF, 0BC, 102BW, FTP 750psi, FCP 1020psi, gas gathering line 689psi, Questar main line 674psi.
- 6/15/04 Flowed 24 hours, made 531 MCF, 4BC, 80BW, FTP 750psi, FCP 1025psi, gas gathering line 740psi, Questar main line 731psi.
- 6/16/04 Flowed 24 hours, made 536 MCF, 1BC, 77BW, FTP 710psi, FCP 1050psi, gas gathering line 739psi, Questar main line 730psi. Changed choke to a 23/64 on 6/16/04.
- 6/17/04 Flowed 24 hours on a 23/64 choke, made 534 MCF, 0BC, 76BW, FTP 740psi, FCP 1025psi, gas gathering line 693psi, Questar main line 688psi. Changed choke to a 30/64 in the A.M. on 6/17/04.
- 6/18/04 Flowed 24 hours on a 30/64 choke, made 554 MCF, 2BC, 96BW, FTP 750psi, FCP 1000psi, gas gathering line 727psi, Questar main line 717psi. Changed choke to a 32/64 in the A.M. on 6/18/04.
- 6/19/04 Flowed 24 hours on a 32/64 choke, made 530 MCF, 0BC, 72BW, FTP 750psi, FCP 1000psi, gas gathering line 733psi, Questar main line 723psi. Changed choke to a 36/64 in the A.M. on 6/19/04.

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- 6/20/04 Flowed 24 hours on a 36/64 choke, made 527 MCF, 2BC, 88BW, FTP 740psi, FCP 1000psi, gas gathering line 721psi, Questar main line 512psi. Changed choke to a 40/64 in the A.M. on 6/20/04.
- 6/21/04 Flowed 24 hours on a 40/64 choke, made 517 MCF, 2BC, 88BW, FTP 700psi, FCP 1000psi, gas gathering line 692psi, Questar main line 674psi. Changed choke to a 48/64 in the A.M. on 6/21/04.
- 6/22/04 Flowed 24 hours on a 48/64 choke, made 492 MCF, 0BC, 74BW, FTP 750psi, FCP 1000psi, gas gathering line 731psi, Questar main line 720psi. Changed choke to a 64/64 in the A.M. on 6/22/04.
- 6/23/04 Flowed 24 hours on a 64/64 choke, made 487 MCF, 2BC, 68BW, FTP 750psi, FCP 1000psi, gas gathering line 727psi, Questar main line 718psi. CWC \$3,143,153
- 6/24/04 Flowed 24 hours on a 64/64 choke, made 488 MCF, 0BC, 70BW, FTP 725psi, FCP 1000psi, gas gathering line 709psi, Questar main line 700psi.
- 6/25/04 Flowed 24 hours on a 64/64 choke, made 497 MCF, 2BC, 73BW, FTP 700psi, FCP 980psi, gas gathering line 709psi, Questar main line 668psi.
- 6/26/04 Flowed 24 hours on a 64/64 choke, made 476 MCF, 1BC, 60BW 130 hauled out, FTP 750psi, FCP 1000psi, gas gathering line 736psi, Questar main line 728psi.
- 6/27/04 Flowed 24 hours on a 64/64 choke, made 471 MCF, 0BC, 75BW with 130 hauled out, FTP 750psi, FCP 1000psi, gas gathering line 734psi, Questar main line 726psi.
- 6/28/04 Flowed 24 hours on a 64/64 choke, made 475 MCF, 2BC, 77BW, FTP 750psi, FCP 1000psi, gas gathering line 711psi, Questar main line 702psi.
- 6/29/04 Flowed 24 hours on a 64/64 choke, made 446 MCF, 0BC, 56BW, FTP 720psi, FCP 1000psi, gas gathering line 716psi, Questar main line 691psi.
- 6/30/04 Flowed 24 hours on a 64/64 choke, made 484 MCF, 1BC, 70BW with 120 hauled out, FTP 720psi, FCP 1000psi, gas gathering line 698psi, Questar main line 688psi.

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- 7/1/04 Flowed 24 hours on a 64/64 choke, made 489 MCF, 3BC, 67BW, FTP 700psi, FCP 990psi, gas gathering line 690psi, Questar main line 682psi.
- 7/2/04 Flowed 24 hours on a 64/64 choke, made 500MCF, 0BC, 76BW with 120 hauled out, FTP 700psi, FCP 990psi, gas gathering line 690psi, Questar main line 682psi.

056

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL
AMENDED REPORT FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL GAS WELL DRY OTHER _____
b. TYPE OF WORK: NEW WELL HORIZ. LATS. DEEP-EN RE-ENTRY DIFF. RESVR. OTHER _____

2. NAME OF OPERATOR: Gasco Production Company

3. ADDRESS OF OPERATOR: 14 Inverness Drive East CITY Englewood STATE CO ZIP 80112 PHONE NUMBER: (303) 483-0044

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 701' FNL & 1898' FEL (NWNE)
AT TOP PRODUCING INTERVAL REPORTED BELOW: same
AT TOTAL DEPTH: same

14. DATE SPUNDED: 12/31/2003 15. DATE T.D. REACHED: 3/1/2004 16. DATE COMPLETED: 6/9/2004 ABANDONED READY TO PRODUCE

18. TOTAL DEPTH: MD 11,430 TVD 11,430 19. PLUG BACK T.D.: MD TVD 20. IF MULTIPLE COMPLETIONS, HOW MANY? * 21. DEPTH BRIDGE MD PLUG SET: TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
MUD LOGS

23. WAS WELL CORED? NO YES (Submit analysis)
WAS DST RUN? NO YES (Submit report)
DIRECTIONAL SURVEY? NO YES (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
17 1/2"	13.38 H-40	54#	0	359		G 350	349	Surface	0
12 1/4"	9.625 J-55	36#	0	3,116		G/G-Lt 610	348	Surface	0
7 7/8"	4.5 P110	13.5##	0	11,430		G 3,335	760	Surface	0

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8	6.100							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) Blackhawk	11,173	11,260		
(B) (See Attachment)				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
11,173 11,176	.36	9	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
11,222 11,225	.36	9	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
11,257 11,260	.36	9	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
11,173 - 11,260 (See Attachment)	97,600# 20/40 sand & 70,800# 20/40 SBXL sand using 1722 bbls YF125ST

29. ENCLOSED ATTACHMENTS:

- ELECTRICAL/MECHANICAL LOGS
- GEOLOGIC REPORT
- DST REPORT
- DIRECTIONAL SURVEY
- SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION
- CORE ANALYSIS
- OTHER: _____

30. WELL STATUS:

Producing

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31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 5/13/2004		TEST DATE: 6/8/2004		HOURS TESTED: 24		TEST PRODUCTION RATES: →		OIL - BBL: 0	GAS - MCF: 1,081	WATER - BBL: 252	PROD. METHOD: Flowing
CHOKE SIZE: 14/64"	TBG. PRESS. 125	CSG. PRESS. 700	API GRAVITY	BTU - GAS 1,053	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL: 0	GAS - MCF: 1,081	WATER - BBL: 252	INTERVAL STATUS: A - G	

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →		OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:	

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →		OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:	

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →		OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:	

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

Sold

33. SUMMARY OF POROUS ZONES (Include Aqifers):

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.
Green River	0		
Wasatch	3,627	7,751	
Mesaverde	7,751	10,326	
Castlegate	10,326	10,558	
Blackhawk	10,558	11,274	
Mancos	11,274		TD @11,430 within Mancos

34. FORMATION (Log) MARKERS:

Name	Top (Measured Depth)

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) John Longwell TITLE Operations Manager
 SIGNATURE *John Longwell* DATE 7/22/2004

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top - Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
 1594 West North Temple, Suite 1210
 Box 145801
 Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

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DIV. OF OIL, GAS & MINING

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26. Producing Intervals

27. Perforation Record

<u>Formation Name</u>	<u>Top</u>	<u>Bottom</u>	<u>Perforated Interval</u>	<u>Size</u>	<u>No. Holes</u>	<u>Perforation Status</u>
B. Blackhawk	10960	11062	10960-963; 11014-017; 11060-062	0.36	24 Open	Flowing
C. Blackhawk	10613	10776	10613-616; 10650-653; 10718-720; 10774-776	0.36	30 Open	Flowing
D. Lower Mesaverde	10174	10239	10174-178; 10210-212; 10226-228; 10236-239	0.36	30 Open	Flowing
E. Lower Mesaverde	9539	9744	9539-542; 9578-581; 9644-646; 9687-689; 9742-744	0.36	12 Open	Flowing
F. Upper Mesaverde	7756	7879	7756-758; 7766-768; 7830-833; 7844-846; 7876-879	0.36	12 Open	Flowing
G. Wasatch	6292	6473	6292-295; 6310-313; 6462-465; 6470-473	0.36	12 Open	Flowing

28. Acid, Fracture, Treatment, Cement Squeeze, etc.

<u>Depth Interval</u>	<u>Amount and type of Material</u>
B. 10960 - 11062	91,500# 20/40 sand & 75,000# 20/40 SBXL using 1872 bbls YF125ST fluid.
C. 10613 - 10776	46,850# 20/40 sand using 1830 bbls of Slickwater
D. 10174 - 10239	46,700# 20/40 sand & 13,466# 20/20 SBXL sand using 1610 bbls gel and Slickwater
E. 9539 - 9744	76,000# 20/40 sand & 55,000# 20-40 SBXL sand using 2200 bbls Clear Frac.
F. 7756 - 7879	76,800# 20/40 sand & 19,200# 20/40 SBXL sand using 250 bbls 20# gel, 2001 bbls KCL Slickwater
G. 6292 - 6473	96,000# 20/40 sand & 24,000# 20/40 SBXL sand using 250 bbls of 20# gel, 2523 BBLS bbls KCL Slickwater



July 29, 2004

Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Re: Well Completion Report, Form 8
Gate Canyon State 31-21-11-15
Wilken Ridge State 12-32-10-17
Duchesne County, Utah

Ladies and Gentlemen:

Enclosed for your consideration are two (2) Well Completion forms regarding the captioned. Should questions arise you may contact the undersigned.

Sincerely,

Gasco Production Company

A handwritten signature in cursive script, appearing to read "Mari A. Johnson".

Mari A. Johnson
Manager of Property Administration
Direct Telephone: 720-974-2465

Encl.

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DIV. OF OIL, GAS & MINING

GASCO Energy
Drilling Report
Gate Canyon State #31-21-11-15
NWNE, Sec.21 , T11S,R15E
Duchesne County, Utah

43-013-39391

5/26/04 Flowed well 24 hrs on a 32/64 ck to pit with 200 FTP and 600 CP and made an estimated 1130 BF, TR- 11850, BLWTR 3496

5/27/04 Flowed well 24 hrs on a 32/64 ck to pit with 100 FTP and 500 CP and made an estimated 860 BF, TR- 12710, BLWTR 2636 (suspect water production estimates to be high)

5/28/04 Well flowing to tk @ 200/450 on 32/64" ck TR 13129. BLWTR 2247.

5/29/04 Well flowing to tk @ 550/900 on 16/64" ck TR 13272. BLWTR 2104. Shut well in to build psi.

5/30/04 Shut well in to build psi

5/31/04 Shut well in to build psi

6/1/04 **Turned well dn line @ 7:00 AM 5/31/04**, w/ 1300/1350 on 16/64" ck (adj). Well flowing @ 950/1200 on 16/64" ck against 750psi line pressure. Made 577 MCF, 80 BW, 0 BO, in 24 hrs.

6/2/04 Well flowed 24 hrs on a 18/64 ck with 875 FTP and 1150 CP against 750psi line pressure and made 632 MCF, 91 BW, 5 BC.

6/3/04 Well flowed 24 hrs on a 18/64 ck with 750 FTP and 1060 CP against 697 psi line pressure and made 650 MCF, 116 BW, 0 BC.

6/4/04 Well flowed 24 hrs on a 18/64 ck with 790 FTP and 1050 CP against 713 psi line pressure and made 591 MCF, 101 BW, 3 BC.

6/5/04 Well flowed 24 hrs on a 18/64 ck with 790 FTP and 1050 CP against 712 psi line pressure and made 581 MCF, 97 BW, 0 BC. Shut well in

6/6/04 1450 SITP, 1480 SICP

6/7/04 1600 SITP, 1600 SICP Turned well on for IP test

6/8/04 **Flowed 24 hrs on a 14/64 ck and made 1081 MCF, 252 BW with a Final FTP of 125psi and CP of 700psi. Initial Production Test**

wo 6/9/04 Shut in.

6/10/04 Flowed 20 hours on a 16/64 choke and made 203 MCF, 0 BC, 5 BW, FTP 1500psi, FCP 1500psi, gathering line 710psi, Questar main line 677psi

6/11/04 Flowed 24 hours on a 16/64 choke and made 648 MCF, 4 BC, 125 BW, FTP 750psi, FCP 1080psi, gathering line 678psi, Questar main line 610psi

6/12/04 Flowed 24 hours on a 16/64 CK, made 617MCF, 0BC, 108BW, FTP 750psi, FCP 1050psi, gas gathering line 720psi, Questar main line 713psi

GASCO Energy
Drilling Report
Gate Canyon State #31-21-11-15
NWNE, Sec.21 , T11S,R15E
Duchesne County, Utah

43-013-32371

- 6/13/04 Flowed 24 hours on a 16/64 CK, made 600MCF, 0BC, 128BW, FTP 750psi, FCP 1050psi, gas gathering line 721psi, Questar main line 712psi
- 6/14/04 Flowed 24 hours on a 16/64 CK, made 596 MCF, 0BC, 102BW, FTP 750psi, FCP 1020psi, gas gathering line 689psi, Questar main line 674psi.
- 6/15/04 Flowed 24 hours, made 531 MCF, 4BC, 80BW, FTP 750psi, FCP 1025psi, gas gathering line 740psi, Questar main line 731psi.
- 6/16/04 Flowed 24 hours, made 536 MCF, 1BC, 77BW, FTP 710psi, FCP 1050psi, gas gathering line 739psi, Questar main line 730psi. Changed choke to a 23/64 on 6/16/04.
- 6/17/04 Flowed 24 hours on a 23/64 choke, made 534 MCF, 0BC, 76BW, FTP 740psi, FCP 1025psi, gas gathering line 693psi, Questar main line 688psi. Changed choke to a 30/64 in the A.M. on 6/17/04.
- 6/18/04 Flowed 24 hours on a 30/64 choke, made 554 MCF, 2BC, 96BW, FTP 750psi, FCP 1000psi, gas gathering line 727psi, Questar main line 717psi. Changed choke to a 32/64 in the A.M. on 6/18/04.
- 6/19/04 Flowed 24 hours on a 32/64 choke, made 530 MCF, 0BC, 72BW, FTP 750psi, FCP 1000psi, gas gathering line 733psi, Questar main line 723psi. Changed choke to a 36/64 in the A.M. on 6/19/04.
- 6/20/04 Flowed 24 hours on a 36/64 choke, made 527 MCF, 2BC, 88BW, FTP 740psi, FCP 1000psi, gas gathering line 721psi, Questar main line 512psi. Changed choke to a 40/64 in the A.M. on 6/20/04.
- 6/21/04 Flowed 24 hours on a 40/64 choke, made 517 MCF, 2BC, 88BW, FTP 700psi, FCP 1000psi, gas gathering line 692psi, Questar main line 674psi. Changed choke to a 48/64 in the A.M. on 6/21/04.
- 6/22/04 Flowed 24 hours on a 48/64 choke, made 492 MCF, 0BC, 74BW, FTP 750psi, FCP 1000psi, gas gathering line 731psi, Questar main line 720psi. Changed choke to a 64/64 in the A.M. on 6/22/04.
- 6/23/04 Flowed 24 hours on a 64/64 choke, made 487 MCF, 2BC, 68BW, FTP 750psi, FCP 1000psi, gas gathering line 727psi, Questar main line 718psi.
CWC \$3,143,153
- 6/24/04 Flowed 24 hours on a 64/64 choke, made 488 MCF, 0BC, 70BW, FTP 725psi, FCP 1000psi, gas gathering line 709psi, Questar main line 700psi.
- 6/25/04 Flowed 24 hours on a 64/64 choke, made 497 MCF, 2BC, 73BW, FTP 700psi, FCP 980psi, gas gathering line 709psi, Questar main line 668psi.
- 6/26/04 Flowed 24 hours on a 64/64 choke, made 476 MCF, 1BC, 60BW 130 hauled out, FTP 750psi, FCP 1000psi, gas gathering line 736psi, Questar main line 728psi.
- 6/27/04 Flowed 24 hours on a 64/64 choke, made 471 MCF, 0BC, 75BW with 130 hauled out, FTP 750psi, FCP 1000psi, gas gathering line 734psi, Questar main line 726psi.

GASCO Energy
Drilling Report
Gate Canyon State #31-21-11-15
NWNE, Sec.21 , T11S,R15E
Duchesne County, Utah

43-013-32391

- 6/28/04 Flowed 24 hours on a 64/64 choke, made 475 MCF, 2BC, 77BW, FTP 750psi, FCP 1000psi, gas gathering line 711psi, Questar main line 702psi.
- 6/29/04 Flowed 24 hours on a 64/64 choke, made 446 MCF, 0BC, 56BW, FTP 720psi, FCP 1000psi, gas gathering line 716psi, Questar main line 691psi.
- 6/30/04 Flowed 24 hours on a 64/64 choke, made 484 MCF, 1BC, 70BW with 120 hauled out, FTP 720psi, FCP 1000psi, gas gathering line 698psi, Questar main line 688psi.
- 7/1/04 Flowed 24 hours on a 64/64 choke, made 489 MCF, 3BC, 67BW, FTP 700psi, FCP 990psi, gas gathering line 690psi, Questar main line 682psi.
- 7/2/04 Flowed 24 hours on a 64/64 choke, made 500MCF, 0BC, 76BW with 120 hauled out, FTP 700psi, FCP 990psi, gas gathering line 690psi, Questar main line 682psi.
- 7/3/04 FINAL REPORT - reporting migrated to production spreadsheet

Run prod log

8/25/04 RU Delsco slick line unit. RIH w/ 1.9" gauge ring. Tag SN @ 6238'. RIH w/ 1.74" gauge ring and fd SN clean. Tagged sd fill @ 11,250'. Only 5' fill up since cln out. (SCE).

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8/31/04 RU SLB (Jason) and ran production log. Stacked out @ 9534'. Tried to get thru several times. No success. Logged rest of hole.

~~100~~ **RU to cln out scale and lower tbg**

10/26/04 MIRU Temples Well Serv rig. Mixed 170 bbls poly gel. (KF w/ Premier) DC 4754. CC 4754.

GASCO Energy
Drilling Report
Gate Canyon State #31-21-11-15
NWNE, Sec.21 , T11S,R15E
Duchesne County, Utah

- 10/27/04 RU. Mix magnafiber in gel. Kill well w/ 110 bbls. ND tree. NU BOPE. Tally OOH w/ 199 jts tbg. RIH w/ Reed 3 3/4" bit + Weatherford pumpoff bit sub + XN nipple + 199 jts tbg. SWIFN. (KF w/ Premier) DC 3885 CC 8639
- 10/28/04 Fd 500/500. Blew well dn. Kill tbg w/ 20 bbls gel and magna fiber wtr. Cont PU and RIH w/ tbg. Tagged scale @ 9526'. Pumped 295 bbls gelled fiber wtr and still no circ. Pulled up 10 stds and SDFN. (KF w/ Premier) DC 9530 CC 18169
- 10/29/04 Fd 0/400. Blew csg dn. RIH w/ 10 jts and RU power swivel. Pumped 220 bbls gel and fiber w/ no returns. Mixed and pumped 15#/bbl fiber and finally got circulation w/ 80 bbls dn csg. Drill out hard scale f/ 9526' to 9536', and fell thru. Tagged again @ 9682. Drill to 9735'. Tag again @ 10,644' and drilled hard to 10,694'. Circ hole clean and POOH w/ 10 jts. SWIFN. (KF w/ Premier). DC 9930 CC 28099
- 10/30/04 RIH and tag @ 10797'. Drilled light scale f/ 10797' to 11263', ND BOPE. NU tree. Circ hole cln w/ cln 2% Kcl. Drop ball and pump off bit. Landed tbg w/ bit sub + 1 jt + XN nipple + 354 jts. EOT @ 11177'. Broached tbg to 11000'. RDMOL. MIRU Delsco swab rig. SDFN. (KF w/ Premier) DC 7730 CC 35829.
- 10/31/04 RU Delsco swab rig. Swabbed well.

GASCO Energy
 Drilling Report
 Gate Canyon State #31-21-11-15
 NWNE, Sec.21 , T11S,R15E
 Duchesne County, Utah

43-013-32391

- 6/28/04 Flowed 24 hours on a 64/64 choke, made 475 MCF, 2BC, 77BW, FTP 750psi, FCP 1000psi, gas gathering line 711psi, Questar main line 702psi.
- 6/29/04 Flowed 24 hours on a 64/64 choke, made 446 MCF, 0BC, 56BW, FTP 720psi, FCP 1000psi, gas gathering line 716psi, Questar main line 691psi.
- 6/30/04 Flowed 24 hours on a 64/64 choke, made 484 MCF, 1BC, 70BW with 120 hauled out, FTP 720psi, FCP 1000psi, gas gathering line 698psi, Questar main line 688psi.
- 7/1/04 Flowed 24 hours on a 64/64 choke, made 489 MCF, 3BC, 67BW, FTP 700psi, FCP 990psi, gas gathering line 690psi, Questar main line 682psi.
- 7/2/04 Flowed 24 hours on a 64/64 choke, made 500MCF, 0BC, 76BW with 120 hauled out, FTP 700psi, FCP 990psi, gas gathering line 690psi, Questar main line 682psi.
- 7/3/04 FINAL REPORT - reporting migrated to production spreadsheet

Run prod log

- 8/25/04 RU Delsco slick line unit. RIH w/ 1.9" gauge ring. Tag SN @ 6238'. RIH w/ 1.74" gauge ring and fd SN clean. Tagged sd fill @ 11,250'. Only 5' fill up since cln out. (SCE).
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- 8/31/04 RU SLB (Jason) and ran production log. Stacked out @ 9534'. Tried to get thru several times. No success. Logged rest of hole.

RU to cln out scale and lower tbg

- 10/26/04 MIRU Temples Well Serv rig. Mixed 170 bbls poly gel. (KF w/ Premier) DC 4754. CC 4754.

GASCO Energy
Drilling Report
Gate Canyon State #31-21-11-15
NWNE, Sec.21 , T11S,R15E
Duchesne County, Utah

43-013-32391

- 10/27/04 RU. Mix magnafiber in gel. Kill well w/ 110 bbls. ND tree. NU BOPE. Tally OOH w/ 199 jts tbg. RIH w/ Reed 3 3/4" bit + Weatherford pumpoff bit sub + XN nipple + 199 jts tbg. SWIFN. (KF w/ Premier) DC 3885 CC 8639
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- 10/29/04 Fd 0/400. Blew csg dn. RIH w/ 10 jts and RU power swivel. Pumped 220 bbls gel and fiber w/ no returns. Mixed and pumped 15#/bbl fiber and finally got circulation w/ 80 bbls dn csg. Drill out hard scale f/ 9526' to 9536', and fell thru. Tagged again @ 9682. Drill to 9735'. Tag again @ 10,644' and drilled hard to 10,694'. Circ hole clean and POOH w/ 10 jts. SWIFN. (KF w/ Premier). DC 9930 CC 28099
- 10/30/04 RIH and tag @ 10797'. Drilled light scale f/ 10797' to 11263', ND BOPE. NU tree. Circ hole cln w/ cln 2% Kcl. Drop ball and pump off bit. Landed tbg w/ bit sub + 1 jt + XN nipple + 354 jts. EOT @ 11177'. Broached tbg to 11000'. RDMOL. MIRU Delsco swab rig. SDFN. (KF w/ Premier) DC 7730 CC 35829.

Turned well and swabbing over to Pumpers (Scott McKinnon).

TRIPLE J SERVICES INC.

Swab/Flow Report:

			<u>Casing</u>	<u>Tubing</u>
Well: <i>gasco PRODUCTION CO</i> gate canyon state 41-20-11-15	Report Date: 2-16-07	Tubing Size: 2 3/8	Initial Pressure: 805	110
Area: <i>T 115 R 15E S-21</i> <i>43-013-32391</i>	Bleed of Time: 10 min	F Nipple Depth: 10500	Final Pressure: 540	220

Time	Runs	Fluid Levels	Pulled from	Bbls per run	Flow time after run	Fluid Entry	Type of Fluid Remarks	Time	Casing PSI
7:25	1	3700	5200				no blow water		
7:45	2	3900	5400				" "		
8:05	3	4200	5700				" "		
8:25	4	4500	6000				" "		
8:45	5	4800	6300				" "		
9:07	6	4800	6300				" "		
9:28	7	4800	6300				slight blow "		
9:52	8	4900	6400				" "		
10:15	9	5100	6600				" gas cut water		
10:40	10	5500	7000				" "		
11:05	11	5800	7800				flowing to tank "		

5:00 – 7:00 crew travel.

7:00 – 7:25 blow well down, hookup swab.

7:25 – 11:30 swab well.

11:30 – 11:50 well flowing to tank, plunger came up, let well clean up.

11:50 – 12:50 pull old plunger, drop new plunger, 1.900 fish bone plunger.

12:50 – 5:30 open well to sales for 10 min, plunger came up, rig unit down, road rig to compressor station, leave well open to sales.

5:30 – 7:00 crew travel.

Cost \$2930.00

Total bbls swabbed back 50 bbls.

RECEIVED

FEB 20 2007

DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: ML-90001-OBA
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: GATE CANYON
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: GATE CYN 31-21-11-15
2. NAME OF OPERATOR: GASCO PRODUCTION COMPANY	9. API NUMBER: 43013323910000
3. ADDRESS OF OPERATOR: 8 Inverness Dr. East, Suite 100 , Englewood, CO, 80112	PHONE NUMBER: 303 483-0044 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0701 FNL 1898 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 21 Township: 11.0S Range: 15.0E Meridian: S	9. FIELD and POOL or WILDCAT: GATE CANYON COUNTY: DUCHESNE STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 10/12/2010 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input checked="" type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Gasco would like to dispose of water at RN Industries state approved commercial disposal facility located in Sections 4 and 9 Township 2 south Range 2 west in Bluebell UT. This facility would be used in addition to the currently approved disposal facilities that Gasco uses to dispose of water from this well.

Approved by the Utah Division of Oil, Gas and Mining

Date: October 06, 2010

By:

NAME (PLEASE PRINT) Roger Knight	PHONE NUMBER 303 996-1803	TITLE EHS Supervisor
SIGNATURE N/A		DATE 10/5/2010

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: ML-90001-OBA
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: GATE CANYON
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: GATE CYN 31-21-11-15
2. NAME OF OPERATOR: GASCO PRODUCTION COMPANY	9. API NUMBER: 43013323910000
3. ADDRESS OF OPERATOR: 8 Inverness Dr. East, Suite 100 , Englewood, CO, 80112	PHONE NUMBER: 303 483-0044 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0701 FNL 1898 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 21 Township: 11.0S Range: 15.0E Meridian: S	9. FIELD and POOL or WILDCAT: GATE CANYON COUNTY: DUCHESNE STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

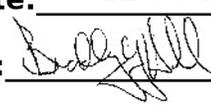
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 1/7/2011 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input checked="" type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Gasco would like to dispose of water at Integrated Water management, LLC state approved commercial disposal facility located in Section 30, 2 south Range 4 west in North Blue Bench UT. This facility would be used in addition to the currently approved disposal facilities that Gasco uses to dispose of water from this well.

**Accepted by the
Utah Division of
Oil, Gas and Mining**

Date: 12/30/2010

By: 

NAME (PLEASE PRINT) Roger Knight	PHONE NUMBER 303 996-1803	TITLE EHS Supervisor
SIGNATURE N/A		DATE 12/29/2010

Effective Date: 4/16/2015

FORMER OPERATOR:	NEW OPERATOR:
Gasco Production Company N2575 7979 E. Tufts Avenue, Suite 11500 Denver, CO 80237 303-996-1805	Badlands Production Company N4265 7979 E. Tufts Avenue, Suite 11500 Denver, CO 80237 303-996-1805
CA Number(s):	Unit(s): Gate Canyon, Wilkin Ridge Deep, RBU-EOR-GRRV

WELL INFORMATION:

Well Name	Sec	TWN	RNG	API	Entity	Mineral	Surface	Type	Status
See Attached List									

OPERATOR CHANGES DOCUMENTATION:

- Sundry or legal documentation was received from the **FORMER** operator on: 6/2/2015
- Sundry or legal documentation was received from the **NEW** operator on: 6/2/2015
- New operator Division of Corporations Business Number: 1454161-0143

REVIEW:

- Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on: 6/2/2015
- Receipt of Acceptance of Drilling Procedures for APD on: N/A
- Reports current for Production/Disposition & Sundries: 6/3/2015
- OPS/SI/TA well(s) reviewed for full cost bonding: 1/20/2016
- UIC5 on all disposal/injection/storage well(s) approved on: N/A
- Surface Facility(s) included in operator change: None
- Inspections of PA state/fee well sites complete on (only upon operators request): N/A

NEW OPERATOR BOND VERIFICATION:

- Federal well(s) covered by Bond Number: SUR0027842
- Indian well(s) covered by Bond Number: N/A
- State/fee well(s) covered by Bond Number(s): SUR0027845
SUR0035619 -FCB

DATA ENTRY:

- Well(s) update in the **OGIS** on: 1/22/2016
- Entity Number(s) updated in **OGIS** on: 1/22/2016
- Unit(s) operator number update in **OGIS** on: 1/22/2016
- Surface Facilities update in **OGIS** on: N/A
- State/Fee well(s) attached to bond(s) in **RBDMS** on: 1/22/2016
- Surface Facilities update in **RBDMS** on: N/A

LEASE INTEREST OWNER NOTIFICATION:

- The **NEW** operator of the Fee (Mineral) wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 1/22/2016

COMMENTS:

From: Gasco Production Company
 To: Badlands Production Company
 Effective Date: 4/16/2015

Well Name	Section	TWN	RNG	API Number	Entity	Mineral	Surface	Type	Status
FEDERAL 23-18G-9-19	18	090S	190E	4304752496		Federal	Federal	OW	APD
FEDERAL 14-17G-9-19	17	090S	190E	4304752522		Federal	Federal	OW	APD
FEDERAL 13-18G-9-19	18	090S	190E	4304752538		Federal	Federal	OW	APD
FEDERAL 23-29G-9-19	29	090S	190E	4304752544		Federal	Federal	OW	APD
FEDERAL 24-20G-9-19	20	090S	190E	4304752545		Federal	Federal	OW	APD
FEDERAL 31-21G-9-19	21	090S	190E	4304752546		Federal	Federal	OW	APD
Federal 323-29-9-19	29	090S	190E	4304753026		Federal	Federal	GW	APD
Federal 421-29-9-19	29	090S	190E	4304753027		Federal	Federal	GW	APD
Federal 322-29-9-19	29	090S	190E	4304753029		Federal	Federal	GW	APD
Federal 431-29-9-19	29	090S	190E	4304753030		Federal	Federal	GW	APD
Federal 432-29-9-19	29	090S	190E	4304753031		Federal	Federal	GW	APD
Federal 414-29-9-19	29	090S	190E	4304753070		Federal	Federal	GW	APD
FEDERAL 412-29-9-19	29	090S	190E	4304753073		Federal	Federal	GW	APD
FEDERAL 213-29-9-19	29	090S	190E	4304753076		Federal	Federal	GW	APD
federal 321-29-9-19	29	090S	190E	4304753078		Federal	Federal	GW	APD
FEDERAL 213-29-9-19	29	090S	190E	4304753079		Federal	Federal	GW	APD
FEDERAL 321-29-9-19	29	090S	190E	4304753080		Federal	Federal	GW	APD
Federal 212-29-9-19	29	090S	190E	4304753133		Federal	Federal	GW	APD
State 321-32-9-19	32	090S	190E	4304754479		State	State	GW	APD
State 423-32-9-19	32	090S	190E	4304754480		State	State	GW	APD
State 421-32-9-19	32	090S	190E	4304754481		State	State	GW	APD
State 413-32-9-19	32	090S	190E	4304754482		State	State	GW	APD
State 323-32-9-19	32	090S	190E	4304754483		State	State	GW	APD
State 431-32-9-19	32	090S	190E	4304754529		State	State	GW	APD
Desert Spring State 224-36-9-18	36	090S	180E	4304754541		State	State	GW	APD
Desert Spring State 243-36-9-18	36	090S	180E	4304754542		State	State	GW	APD
Desert Spring State 241-36-9-18	36	090S	180E	4304754543		State	State	GW	APD
FEDERAL 332-30-9-19	30	090S	190E	4304753012	19650	Federal	Federal	GW	DRL
WILKIN RIDGE FED 43-29-10-17	29	100S	170E	4301333098	15941	Federal	Federal	GW	OPS
LAMB TRUST 11-23-9-19	23	090S	190E	4304736915	16556	Fee	Fee	GW	OPS
SHEEP WASH FED 43-26-9-18	26	090S	180E	4304738573	17201	Federal	Federal	GW	OPS
FEDERAL 13-19-9-19	19	090S	190E	4304739777	18344	Federal	Federal	GW	OPS
FEDERAL 12-17-9-19	17	090S	190E	4304739800	17202	Federal	Federal	GW	OPS
GATE CYN 31-21-11-15	21	110S	150E	4301332391	13787	State	State	GW	P
WILKIN RIDGE ST 12-32-10-17	32	100S	170E	4301332447	14033	State	State	GW	P
GATE CYN 41-20-11-15	20	110S	150E	4301332475	14417	State	State	GW	P
WILKIN RIDGE FED 34-17-10-17	17	100S	170E	4301332560	14726	Federal	Federal	GW	P
GATE CYN 41-19-11-16	19	110S	160E	4301332611	14439	Federal	Federal	GW	P
WILKIN RIDGE ST 44-32-10-17	32	100S	170E	4301332619	15649	State	State	GW	P
WILKIN RIDGE FED 12-4-11-17	4	110S	170E	4301332674	15537	Federal	Federal	GW	P
WILKIN RIDGE ST 24-32-10-17	32	100S	170E	4301332676	15242	State	State	GW	P
WILKIN RIDGE FED 23-29-10-17	29	100S	170E	4301332679	14033	Federal	Federal	GW	P
GATE CYN ST 23-16-11-15	16	110S	150E	4301332685	16082	State	State	GW	P
WILKIN RIDGE ST 34-16-10-17	16	100S	170E	4301332730	15243	State	State	GW	P
WILKIN RIDGE FED 31-29-10-17	29	100S	170E	4301332773	15370	Federal	Federal	GW	P
WILKIN RIDGE 32-08	8	110S	170E	4301332778	14802	Federal	Federal	GW	P
GATE CYN ST 23-16-11-16	16	110S	160E	4301332888	15098	State	State	GW	P
WILKIN RIDGE FED 24-20-10-17	20	100S	170E	4301333081	15714	Federal	Federal	GW	P
WILKIN RIDGE FED 32-20-10-17	20	100S	170E	4301333087	15807	Federal	Federal	GW	P
WILKIN RIDGE FED 14-4-11-17	4	110S	170E	4301333099	15920	Federal	Federal	GW	P
RYE PATCH FED 22-21	22	110S	140E	4301333437	16919	Federal	Federal	GW	P
RYE PATCH FED 24-21	24	110S	140E	4301333443	16367	Federal	Federal	GW	P
SQUAW CROSSING U 5	2	100S	180E	4304730129	16266	State	State	OW	P
RBU 5-11D	11	100S	180E	4304730409	9005	Federal	Federal	OW	P
FEDERAL 7-25A	25	090S	180E	4304730624	9030	Federal	Federal	OW	P

From: Gasco Production Company
 To: Badlands Production Company
 Effective Date: 4/16/2015

RBU 6-2D	2	100S	180E	4304731190	7075	State	State	OW	P
NGC 33-18J	18	090S	190E	4304731200	6155	Federal	Federal	OW	P
RBU 13-2D	2	100S	180E	4304731280	16267	State	State	OW	P
RBU 16-3D	3	100S	180E	4304731352	16268	Federal	Federal	OW	P
RBU 10-11D	11	100S	180E	4304731357	7053	Federal	Federal	OW	P
RBU 8-10D	10	100S	180E	4304731364	4955	Federal	Federal	OW	P
RBU 15-3D	3	100S	180E	4304731539	9965	Federal	Federal	OW	P
RBU 12-12D	12	100S	180E	4304731651	10688	Federal	Federal	OW	P
RBU 2-10D	10	100S	180E	4304731801	10784	Federal	Federal	OW	P
RBU 3-15D	15	100S	180E	4304733600	13213	Federal	Federal	OW	P
RBU 3-12D	12	100S	180E	4304733739	14492	Federal	Federal	OW	P
STATE 7-36A	36	090S	180E	4304733741	14244	State	State	GW	P
FEDERAL 34-29	29	090S	190E	4304733750	13174	Federal	Federal	GW	P
FEDERAL 24-7 #1	7	100S	180E	4304733983	13182	Federal	Federal	GW	P
FEDERAL 23-29 #1	29	090S	190E	4304734111	13441	Federal	Federal	GW	P
FED 24-20-9-19	20	090S	190E	4304734168	14150	Federal	Federal	GW	P
FED 44-20-9-19	20	090S	190E	4304734169	14140	Federal	Federal	GW	P
FED 23-21-9-19	21	090S	190E	4304734199	13601	Federal	Federal	GW	P
FED 32-31-9-19	31	090S	190E	4304734201	13641	Federal	Federal	GW	P
FED 42-29-9-19	29	090S	190E	4304734202	13455	Federal	Federal	GW	P
PETES WASH 23-12 #1	12	100S	170E	4304734286	13492	Federal	Federal	GW	P
STATE 4-32B	32	090S	190E	4304734314	14440	State	State	GW	P
FED 14-18-2 #1	18	100S	180E	4304734539	13491	Federal	Federal	GW	P
FED 43-24-3 #1	24	100S	170E	4304734551	13726	Federal	Federal	GW	P
LYTHAM FED 22-22-9-19	22	090S	190E	4304734607	13640	Federal	Federal	GW	P
FED 11-21-9-19	21	090S	190E	4304734608	14151	Federal	Federal	GW	P
FED 22-30-10-18	30	100S	180E	4304734924	14280	Federal	Federal	GW	P
FEDERAL 43-30-9-19	30	090S	190E	4304735343	14202	Federal	Federal	GW	P
FED 11-22-9-19	22	090S	190E	4304735404	14203	Federal	Federal	GW	P
FED 42-21-9-19	21	090S	190E	4304735405	14928	Federal	Federal	GW	P
STATE 24-16-9-19	16	090S	190E	4304735588	14418	State	Federal	GW	P
FEDERAL 31-21-9-19	21	090S	190E	4304735606	14441	Federal	Federal	GW	P
FEDERAL 12-29-9-19	29	090S	190E	4304735614	14442	Federal	Federal	GW	P
FEDERAL 24-31-9-19	31	090S	190E	4304735623	14640	Federal	Federal	GW	P
FEDERAL 41-31-9-19	31	090S	190E	4304735624	14419	Federal	Federal	GW	P
LAMB TRUST 24-22-9-19	22	090S	190E	4304735732	14496	Fee	Fee	GW	P
LAMB TRUST 24-14-9-19	14	090S	190E	4304735733	14519	Fee	Fee	GW	P
FEDERAL 11-22-10-18	22	100S	180E	4304735808	15592	Federal	Federal	GW	P
FEDERAL 21-6-10-19	6	100S	190E	4304735844	14356	Federal	Federal	GW	P
DESERT SPRING ST 41-36-9-18	36	090S	180E	4304735845	14639	State	State	GW	P
STATE 12-32-9-19	32	090S	190E	4304735995	14871	State	State	GW	P
FEDERAL 12-20-9-19	20	090S	190E	4304736093	14976	Federal	Federal	GW	P
FEDERAL 32-20-9-19	20	090S	190E	4304736094	16120	Federal	Federal	GW	P
FEDERAL 23-30-9-19	30	090S	190E	4304736095	14872	Federal	Federal	GW	P
SHEEP WASH FED 34-26-9-18	26	090S	180E	4304736113	15096	Federal	Federal	GW	P
DESERT SPRING ST 23-36-9-18	36	090S	180E	4304736219	14738	State	State	GW	P
DESERT SPRING ST 21-36-9-18	36	090S	180E	4304736220	14763	State	State	GW	P
DESERT SPRING ST 12-36-9-18	36	090S	180E	4304736233	14764	State	State	GW	P
DESERT SPRING ST 43-36-9-18	36	090S	180E	4304736241	14992	State	State	GW	P
DESERT SPRING ST 34-36-9-18	36	090S	180E	4304736242	14716	State	State	GW	P
FEDERAL 14-31-9-19	31	090S	190E	4304736271	15884	Federal	Federal	GW	P
FEDERAL 12-31-9-19	31	090S	190E	4304736336	15086	Federal	Federal	GW	P
FEDERAL 21-31-9-19	31	090S	190E	4304736368	15605	Federal	Federal	GW	P
FEDERAL 23-31-9-19	31	090S	190E	4304736442	15715	Federal	Federal	GW	P
SHEEP WASH FED 43-25-9-18	25	090S	180E	4304736600	14977	Federal	Federal	GW	P
FEDERAL 43-19-9-19	19	090S	190E	4304736719	15186	Federal	Federal	GW	P

From: Gasco Production Company
 To: Badlands Production Company
 Effective Date: 4/16/2015

SHEEP WASH FED 21-25-9-18	25	090S	180E	4304736727	15475	Federal	Federal	GW	P
FEDERAL 21-30-9-19	30	090S	190E	4304736739	15476	Federal	Federal	GW	P
SHEEP WASH FED 23-25-9-18	25	090S	180E	4304736740	15213	Federal	Federal	GW	P
FEDERAL 23-19-9-19	19	090S	190E	4304736771	15355	Federal	Federal	GW	P
SHEEP WASH FED 41-25-9-18	25	090S	180E	4304736772	15338	Federal	Federal	GW	P
FEDERAL 41-30-9-19	30	090S	190E	4304736817	15212	Federal	Federal	GW	P
LAMB TRUST 34-22-9-19	22	090S	190E	4304736913	15187	Fee	Fee	GW	P
LAMB TRUST 14-14-9-19	14	090S	190E	4304736916	17012	Fee	Fee	GW	P
DESERT SPRING ST 33-36-9-18	36	090S	180E	4304737115	15011	State	State	GW	P
FEDERAL 14-17-9-19	17	090S	190E	4304737116	16163	Federal	Federal	GW	P
FEDERAL 34-18-9-19	18	090S	190E	4304737117	16275	Federal	Federal	GW	P
UTELAND ST 41-2-10-18	2	100S	180E	4304737132	15087	State	State	GW	P
UTELAND ST 43-2-10-18	2	100S	180E	4304737338	15365	State	State	GW	P
FEDERAL 41-19-9-19	19	090S	190E	4304737611	16311	Federal	Federal	GW	P
FEDERAL 32-30-9-19	30	090S	190E	4304737612	16051	Federal	Federal	GW	P
FEDERAL 12-30-9-19	30	090S	190E	4304737613	16052	Federal	Federal	GW	P
FEDERAL 21-19-9-19	19	090S	190E	4304737621	16253	Federal	Federal	GW	P
FEDERAL 14-18-9-19	18	090S	190E	4304737622	16264	Federal	Federal	GW	P
FEDERAL 34-30-9-19	30	090S	190E	4304737630	16557	Federal	Federal	GW	P
DESERT SPRING FED 21-1-10-18	1	100S	180E	4304737631	15961	Federal	Federal	GW	P
FEDERAL 12-1-10-18	1	100S	180E	4304737646	16023	Federal	Federal	GW	P
SHEEP WASH FED 14-25-9-18	25	090S	180E	4304737647	16121	Federal	Federal	GW	P
UTELAND ST 21-2-10-18	2	100S	180E	4304737676	16254	State	State	GW	P
UTELAND ST 12-2-10-18	2	100S	180E	4304737677	15806	State	State	GW	P
UTELAND ST 34-2-10-18	2	100S	180E	4304738028	16868	State	State	GW	P
FEDERAL 14-19-9-19	19	090S	190E	4304738336	16467	Federal	Federal	GW	P
FEDERAL 34-19-9-19	19	090S	190E	4304738337	16119	Federal	Federal	GW	P
SHEEP WASH FED 41-26-9-18	26	090S	180E	4304738351	16884	Federal	Federal	GW	P
SHEEP WASH FED 32-25-9-18	25	090S	180E	4304738352	16349	Federal	Federal	GW	P
SHEEP WASH FED 34-25-9-18	25	090S	180E	4304738353	16210	Federal	Federal	GW	P
FEDERAL 12-19-9-19	19	090S	190E	4304738407	16236	Federal	Federal	GW	P
SHEEP WASH FED 23-26-9-18	26	090S	180E	4304738465	16558	Federal	Federal	GW	P
SHEEP WASH FED 12-25-9-18	25	090S	180E	4304738469	16449	Federal	Federal	GW	P
FEDERAL 23-18-9-19	18	090S	190E	4304738575	16312	Federal	Federal	GW	P
LAMB TRUST 34-22A-9-19	22	090S	190E	4304738673	15832	Fee	Fee	GW	P
UTELAND FED 42-11-10-18	11	100S	180E	4304738896	16792	Federal	Federal	GW	P
STATE 21-32B	32	090S	190E	4304739170	16309	State	State	GW	P
STATE 22-32A	32	090S	190E	4304739171	16308	State	State	GW	P
STATE 21-32A	32	090S	190E	4304739172	16310	State	State	GW	P
FEDERAL 11-19-9-19	19	090S	190E	4304739717	17054	Federal	Federal	GW	P
SHEEP WASH FED 31-25-9-18	25	090S	180E	4304739729	17241	Federal	Federal	GW	P
SHEEP WASH FED 11-25-9-18	25	090S	180E	4304739730	17266	Federal	Federal	GW	P
DESERT SPG FED 41-1-10-18	1	100S	180E	4304739773	17013	Federal	Federal	GW	P
FED 32-19X-9-19(RIGSKID)	19	090S	190E	4304740233	17014	Federal	Federal	GW	P
FEDERAL 23-30G-9-19	30	090S	190E	4304751280	18211	Federal	Federal	OW	P
FEDERAL 34-19G-9-19	19	090S	190E	4304751281	18210	Federal	Federal	OW	P
FEDERAL 442-30-9-19	30	090S	190E	4304752870	19647	Federal	Federal	GW	P
FEDERAL 333-30-9-19	30	090S	190E	4304752872	19648	Federal	Federal	GW	P
FEDERAL 423-30-9-19	30	090S	190E	4304753011	19649	Federal	Federal	GW	P
Desert Springs State 412-36-9-18	36	090S	180E	4304753324	19783	State	State	GW	P
Desert Springs State 424-36-9-18	36	090S	180E	4304753325	19783	State	State	GW	P
Desert Springs State 133-36-9-18	36	090S	180E	4304753326	19747	State	State	GW	P
Desert Spring State 142-36-9-18	36	090S	180E	4304753327	19747	State	State	GW	P
DESERT SPRINGS ST 422-36-9-18	36	090S	180E	4304753328	19783	State	State	GW	P
WILKIN RIDGE ST 31-32-10-17	32	100S	170E	4301332677	15144	State	State	GW	S
RBU 4-11D	11	100S	180E	4304730718	16269	Federal	Federal	OW	S

From: Gasco Production Company
To: Badlands Production Company
Effective Date: 4/16/2015

RBU 2-11D	11	100S	180E	4304730826	16270	Federal	Federal	OW	S
RBU 6-11D	11	100S	180E	4304731192	16271	Federal	Federal	OW	S
STATE 2-32B	32	090S	190E	4304732221	11371	State	State	GW	S
STATE 9-36A	36	090S	180E	4304732225	11364	State	State	GW	S
FEDERAL 13-30B	30	090S	190E	4304733581	13249	Federal	Federal	GW	S
STATE 13-36A	36	090S	180E	4304733598	17838	State	State	GW	S
FEDERAL 16-26A	26	090S	180E	4304733601	12928	Federal	Federal	GW	S
FEDERAL 31-29	29	090S	190E	4304733653	13077	Federal	Federal	GW	S
RBU 1-10D	10	100S	180E	4304734312	16265	Federal	Federal	OW	S
FEDERAL 13-18-9-19	18	090S	190E	4304739776	17149	Federal	Federal	GW	S

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:

UTU-76482

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL

OIL WELL GAS WELL OTHER _____

8. WELL NAME and NUMBER:

Desert Spring Fed 21-1-10-18

2. NAME OF OPERATOR:

Gasco Production Company

9. API NUMBER:

4304737631

3. ADDRESS OF OPERATOR:

7979 E. Tufts Ave. CITY **Denver** STATE **CO** ZIP **80237**

PHONE NUMBER:

(303) 483-0044

10. FIELD AND POOL, OR WILDCAT:

Uteland Butte

4. LOCATION OF WELL

FOOTAGES AT SURFACE: **0633 FNL 1512 FWL**

COUNTY: **Uintah**

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: **NENW 1 10S 18E S**

STATE: **UTAH**

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 4/16/2015	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Gasco Production Company requests a change of operator on this well, in addition to the wells on the attached list from Gasco Production Company to Badlands Production Company, effective date of 4/16/2015.

Gasco Production Company
7979 E Tufts Ave, Suite 1150
Denver CO 80237
303-996-1805



Michael Decker, Exec. Vice President & COO

Badlands Production Company
7979 E Tufts Ave, Suite 1150
Denver CO 80237
303-996-1805



Michael Decker, Exec. Vice President & COO

RECEIVED

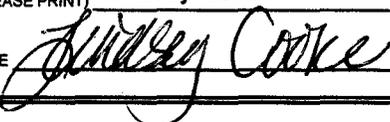
JUN 02 2015

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) **Lindsey Cooke**

TITLE **Engineering Tech**

SIGNATURE



DATE **5/18/2015**

(This space for State use only)

APPROVED

JAN 22 2016

DIV. OIL GAS & MINING
BY: *Rachel Medina*

Well Name	Section	TWN	RNG	API	Entity	Mineral	Surface	Type	Status
FEDERAL 332-30-9-19	30	090S	190E	4304753012	19650	Federal	Federal	GW	DRL
WILKIN RIDGE FED 43-29-10-17	29	100S	170E	4301333098	15941	Federal	Federal	GW	OPS
LAMB TRUST 11-23-9-19	23	090S	190E	4304736915	16556	Fee	Fee	GW	OPS
SHEEP WASH FED 43-26-9-18	26	090S	180E	4304738573	17201	Federal	Federal	GW	OPS
FEDERAL 13-19-9-19	19	090S	190E	4304739777	18344	Federal	Federal	GW	OPS
FEDERAL 12-17-9-19	17	090S	190E	4304739800	17202	Federal	Federal	GW	OPS
GATE CYN 31-21-11-15	21	110S	150E	4301332391	13787	State	State	GW	P
WILKIN RIDGE ST 12-32-10-17	32	100S	170E	4301332447	14033	State	State	GW	P
GATE CYN 41-20-11-15	20	110S	150E	4301332475	14417	State	State	GW	P
WILKIN RIDGE FED 34-17-10-17	17	100S	170E	4301332560	14726	Federal	Federal	GW	P
GATE CYN 41-19-11-16	19	110S	160E	4301332611	14439	Federal	Federal	GW	P
WILKIN RIDGE ST 44-32-10-17	32	100S	170E	4301332619	15649	State	State	GW	P
WILKIN RIDGE FED 12-4-11-17	4	110S	170E	4301332674	15537	Federal	Federal	GW	P
WILKIN RIDGE ST 24-32-10-17	32	100S	170E	4301332676	15242	State	State	GW	P
WILKIN RIDGE FED 23-29-10-17	29	100S	170E	4301332679	14033	Federal	Federal	GW	P
GATE CYN ST 23-16-11-15	16	110S	150E	4301332685	16082	State	State	GW	P
WILKIN RIDGE ST 34-16-10-17	16	100S	170E	4301332730	15243	State	State	GW	P
WILKIN RIDGE FED 31-29-10-17	29	100S	170E	4301332773	15370	Federal	Federal	GW	P
WILKIN RIDGE 32-08	8	110S	170E	4301332778	14802	Federal	Federal	GW	P
GATE CYN ST 23-16-11-16	16	110S	160E	4301332888	15098	State	State	GW	P
WILKIN RIDGE FED 24-20-10-17	20	100S	170E	4301333081	15714	Federal	Federal	GW	P
WILKIN RIDGE FED 32-20-10-17	20	100S	170E	4301333087	15807	Federal	Federal	GW	P
WILKIN RIDGE FED 14-4-11-17	4	110S	170E	4301333099	15920	Federal	Federal	GW	P
RYE PATCH FED 22-21	22	110S	140E	4301333437	16919	Federal	Federal	GW	P
RYE PATCH FED 24-21	24	110S	140E	4301333443	16367	Federal	Federal	GW	P
RBU 5-11D	11	100S	180E	4304730409	9005	Federal	Federal	OW	P
FEDERAL 7-25A	25	090S	180E	4304730624	9030	Federal	Federal	OW	P
RBU 6-2D	2	100S	180E	4304731190	7075	State	State	OW	P
NGC 33-18J	18	090S	190E	4304731200	6155	Federal	Federal	OW	P
RBU 13-2D	2	100S	180E	4304731280	16267	State	State	OW	P
RBU 16-3D	3	100S	180E	4304731352	16268	Federal	Federal	OW	P
RBU 10-11D	11	100S	180E	4304731357	7053	Federal	Federal	OW	P
RBU 8-10D	10	100S	180E	4304731364	4955	Federal	Federal	OW	P
RBU 15-3D	3	100S	180E	4304731539	9965	Federal	Federal	OW	P
RBU 12-12D	12	100S	180E	4304731651	10688	Federal	Federal	OW	P
RBU 2-10D	10	100S	180E	4304731801	10784	Federal	Federal	OW	P
RBU 3-15D	15	100S	180E	4304733600	13213	Federal	Federal	OW	P
RBU 3-12D	12	100S	180E	4304733739	14492	Federal	Federal	OW	P
STATE 7-36A	36	090S	180E	4304733741	14244	State	State	GW	P
FEDERAL 34-29	29	090S	190E	4304733750	13174	Federal	Federal	GW	P
FEDERAL 24-7 #1	7	100S	180E	4304733983	13182	Federal	Federal	GW	P
FEDERAL 23-29 #1	29	090S	190E	4304734111	13441	Federal	Federal	GW	P
FED 24-20-9-19	20	090S	190E	4304734168	14150	Federal	Federal	GW	P
FED 44-20-9-19	20	090S	190E	4304734169	14140	Federal	Federal	GW	P
FED 23-21-9-19	21	090S	190E	4304734199	13601	Federal	Federal	GW	P
FED 32-31-9-19	31	090S	190E	4304734201	13641	Federal	Federal	GW	P
FED 42-29-9-19	29	090S	190E	4304734202	13455	Federal	Federal	GW	P
PETES WASH 23-12 #1	12	100S	170E	4304734286	13492	Federal	Federal	GW	P
STATE 4-32B	32	090S	190E	4304734314	14440	State	State	GW	P
FED 14-18-2 #1	18	100S	180E	4304734539	13491	Federal	Federal	GW	P
FED 43-24-3 #1	24	100S	170E	4304734551	13726	Federal	Federal	GW	P
LYTHAM FED 22-22-9-19	22	090S	190E	4304734607	13640	Federal	Federal	GW	P
FED 11-21-9-19	21	090S	190E	4304734608	14151	Federal	Federal	GW	P
FED 22-30-10-18	30	100S	180E	4304734924	14280	Federal	Federal	GW	P
FEDERAL 43-30-9-19	30	090S	190E	4304735343	14202	Federal	Federal	GW	P
FED 11-22-9-19	22	090S	190E	4304735404	14203	Federal	Federal	GW	P
FED 42-21-9-19	21	090S	190E	4304735405	14928	Federal	Federal	GW	P
STATE 24-16-9-19	16	090S	190E	4304735588	14418	State	Federal	GW	P

FEDERAL 31-21-9-19	21	090S	190E	4304735606	14441	Federal	Federal	GW	P
FEDERAL 12-29-9-19	29	090S	190E	4304735614	14442	Federal	Federal	GW	P
FEDERAL 24-31-9-19	31	090S	190E	4304735623	14640	Federal	Federal	GW	P
FEDERAL 41-31-9-19	31	090S	190E	4304735624	14419	Federal	Federal	GW	P
LAMB TRUST 24-22-9-19	22	090S	190E	4304735732	14496	Fee	Fee	GW	P
LAMB TRUST 24-14-9-19	14	090S	190E	4304735733	14519	Fee	Fee	GW	P
FEDERAL 11-22-10-18	22	100S	180E	4304735808	15592	Federal	Federal	GW	P
FEDERAL 21-6-10-19	6	100S	190E	4304735844	14356	Federal	Federal	GW	P
DESERT SPRING ST 41-36-9-18	36	090S	180E	4304735845	14639	State	State	GW	P
STATE 12-32-9-19	32	090S	190E	4304735995	14871	State	State	GW	P
FEDERAL 12-20-9-19	20	090S	190E	4304736093	14976	Federal	Federal	GW	P
FEDERAL 32-20-9-19	20	090S	190E	4304736094	16120	Federal	Federal	GW	P
FEDERAL 23-30-9-19	30	090S	190E	4304736095	14872	Federal	Federal	GW	P
SHEEP WASH FED 34-26-9-18	26	090S	180E	4304736113	15096	Federal	Federal	GW	P
DESERT SPRING ST 23-36-9-18	36	090S	180E	4304736219	14738	State	State	GW	P
DESERT SPRING ST 21-36-9-18	36	090S	180E	4304736220	14763	State	State	GW	P
DESERT SPRING ST 12-36-9-18	36	090S	180E	4304736233	14764	State	State	GW	P
DESERT SPRING ST 43-36-9-18	36	090S	180E	4304736241	14992	State	State	GW	P
DESERT SPRING ST 34-36-9-18	36	090S	180E	4304736242	14716	State	State	GW	P
FEDERAL 14-31-9-19	31	090S	190E	4304736271	15884	Federal	Federal	GW	P
FEDERAL 12-31-9-19	31	090S	190E	4304736336	15086	Federal	Federal	GW	P
FEDERAL 21-31-9-19	31	090S	190E	4304736368	15605	Federal	Federal	GW	P
FEDERAL 23-31-9-19	31	090S	190E	4304736442	15715	Federal	Federal	GW	P
SHEEP WASH FED 43-25-9-18	25	090S	180E	4304736600	14977	Federal	Federal	GW	P
FEDERAL 43-19-9-19	19	090S	190E	4304736719	15186	Federal	Federal	GW	P
SHEEP WASH FED 21-25-9-18	25	090S	180E	4304736727	15475	Federal	Federal	GW	P
FEDERAL 21-30-9-19	30	090S	190E	4304736739	15476	Federal	Federal	GW	P
SHEEP WASH FED 23-25-9-18	25	090S	180E	4304736740	15213	Federal	Federal	GW	P
FEDERAL 23-19-9-19	19	090S	190E	4304736771	15355	Federal	Federal	GW	P
SHEEP WASH FED 41-25-9-18	25	090S	180E	4304736772	15338	Federal	Federal	GW	P
FEDERAL 41-30-9-19	30	090S	190E	4304736817	15212	Federal	Federal	GW	P
LAMB TRUST 34-22-9-19	22	090S	190E	4304736913	15187	Fee	Fee	GW	P
LAMB TRUST 14-14-9-19	14	090S	190E	4304736916	17012	Fee	Fee	GW	P
DESERT SPRING ST 33-36-9-18	36	090S	180E	4304737115	15011	State	State	GW	P
FEDERAL 14-17-9-19	17	090S	190E	4304737116	16163	Federal	Federal	GW	P
FEDERAL 34-18-9-19	18	090S	190E	4304737117	16275	Federal	Federal	GW	P
UTELAND ST 41-2-10-18	2	100S	180E	4304737132	15087	State	State	GW	P
UTELAND ST 43-2-10-18	2	100S	180E	4304737338	15365	State	State	GW	P
FEDERAL 41-19-9-19	19	090S	190E	4304737611	16311	Federal	Federal	GW	P
FEDERAL 32-30-9-19	30	090S	190E	4304737612	16051	Federal	Federal	GW	P
FEDERAL 12-30-9-19	30	090S	190E	4304737613	16052	Federal	Federal	GW	P
FEDERAL 21-19-9-19	19	090S	190E	4304737621	16253	Federal	Federal	GW	P
FEDERAL 14-18-9-19	18	090S	190E	4304737622	16264	Federal	Federal	GW	P
FEDERAL 34-30-9-19	30	090S	190E	4304737630	16557	Federal	Federal	GW	P
DESERT SPRING FED 21-1-10-18	1	100S	180E	4304737631	15961	Federal	Federal	GW	P
FEDERAL 12-1-10-18	1	100S	180E	4304737646	16023	Federal	Federal	GW	P
SHEEP WASH FED 14-25-9-18	25	090S	180E	4304737647	16121	Federal	Federal	GW	P
UTELAND ST 21-2-10-18	2	100S	180E	4304737676	16254	State	State	GW	P
UTELAND ST 12-2-10-18	2	100S	180E	4304737677	15806	State	State	GW	P
UTELAND ST 34-2-10-18	2	100S	180E	4304738028	16868	State	State	GW	P
FEDERAL 14-19-9-19	19	090S	190E	4304738336	16467	Federal	Federal	GW	P
FEDERAL 34-19-9-19	19	090S	190E	4304738337	16119	Federal	Federal	GW	P
SHEEP WASH FED 41-26-9-18	26	090S	180E	4304738351	16884	Federal	Federal	GW	P
SHEEP WASH FED 32-25-9-18	25	090S	180E	4304738352	16349	Federal	Federal	GW	P
SHEEP WASH FED 34-25-9-18	25	090S	180E	4304738353	16210	Federal	Federal	GW	P
FEDERAL 12-19-9-19	19	090S	190E	4304738407	16236	Federal	Federal	GW	P
SHEEP WASH FED 23-26-9-18	26	090S	180E	4304738465	16558	Federal	Federal	GW	P
SHEEP WASH FED 12-25-9-18	25	090S	180E	4304738469	16449	Federal	Federal	GW	P
FEDERAL 23-18-9-19	18	090S	190E	4304738575	16312	Federal	Federal	GW	P

LAMB TRUST 34-22A-9-19	22	090S	190E	4304738673	15832	Fee	Fee	GW	P
UTELAND FED 42-11-10-18	11	100S	180E	4304738896	16792	Federal	Federal	GW	P
STATE 21-32B	32	090S	190E	4304739170	16309	State	State	GW	P
STATE 22-32A	32	090S	190E	4304739171	16308	State	State	GW	P
STATE 21-32A	32	090S	190E	4304739172	16310	State	State	GW	P
FEDERAL 11-19-9-19	19	090S	190E	4304739717	17054	Federal	Federal	GW	P
SHEEP WASH FED 31-25-9-18	25	090S	180E	4304739729	17241	Federal	Federal	GW	P
SHEEP WASH FED 11-25-9-18	25	090S	180E	4304739730	17266	Federal	Federal	GW	P
DESERT SPG FED 41-1-10-18	1	100S	180E	4304739773	17013	Federal	Federal	GW	P
FED 32-19X-9-19(RIGSKID)	19	090S	190E	4304740233	17014	Federal	Federal	GW	P
FEDERAL 23-30G-9-19	30	090S	190E	4304751280	18211	Federal	Federal	OW	P
FEDERAL 34-19G-9-19	19	090S	190E	4304751281	18210	Federal	Federal	OW	P
FEDERAL 442-30-9-19	30	090S	190E	4304752870	19647	Federal	Federal	GW	P
FEDERAL 333-30-9-19	30	090S	190E	4304752872	19648	Federal	Federal	GW	P
FEDERAL 423-30-9-19	30	090S	190E	4304753011	19649	Federal	Federal	GW	P
Desert Springs State 412-36-9-18	36	090S	180E	4304753324	19783	State	State	GW	P
Desert Springs State 424-36-9-18	36	090S	180E	4304753325	19783	State	State	GW	P
Desert Springs State 133-36-9-18	36	090S	180E	4304753326	19747	State	State	GW	P
Desert Spring State 142-36-9-18	36	090S	180E	4304753327	19747	State	State	GW	P
DESERT SPRINGS ST 422-36-9-18	36	090S	180E	4304753328	19783	State	State	GW	P
WILKIN RIDGE ST 31-32-10-17	32	100S	170E	4301332677	15144	State	State	GW	S
SQUAW CROSSING U 5	2	100S	180E	4304730129	16266	State	State	OW	S
RBV 4-11D	11	100S	180E	4304730718	16269	Federal	Federal	OW	S
RBV 2-11D	11	100S	180E	4304730826	16270	Federal	Federal	OW	S
RBV 6-11D	11	100S	180E	4304731192	16271	Federal	Federal	OW	S
STATE 2-32B	32	090S	190E	4304732221	11371	State	State	GW	S
STATE 9-36A	36	090S	180E	4304732225	11364	State	State	GW	S
FEDERAL 13-30B	30	090S	190E	4304733581	13249	Federal	Federal	GW	S
STATE 13-36A	36	090S	180E	4304733598	17838	State	State	GW	S
FEDERAL 16-26A	26	090S	180E	4304733601	12928	Federal	Federal	GW	S
FEDERAL 31-29	29	090S	190E	4304733653	13077	Federal	Federal	GW	S
RBV 1-10D	10	100S	180E	4304734312	16265	Federal	Federal	OW	S
FEDERAL 13-18-9-19	18	090S	190E	4304739776	17149	Federal	Federal	GW	S

* See attached list



United States Department of the Interior



BUREAU OF LAND MANAGEMENT

Utah State Office

440 West 200 South, Suite 500

Salt Lake City, UT 84101-1345

<http://www.blm.gov/ut/st/en.html>

IN REPLY REFER TO:
3180 (UTU90523X)
UT-922000

October 30, 2015

Mr. Josh Crist
Badlands Energy, Inc.
7979 East Tufts Avenue, Suite 1150
Denver, Colorado 80237

Dear Mr. Crist:

The Gate Canyon II Unit Agreement, Duchesne County, Utah, is approved effective October 30, 2015. This agreement has been designated No. UTU90523X.

This unit provides for the drilling of one obligation well and subsequent drilling obligations pursuant to Section 9 of the unit agreement. The initial well is to be drilled to a depth of 15,605 feet or a depth sufficient to test 100 feet below the top of the Dakota Formation, whichever is less; and located in the SE¼ of Section 18, Township 11 South, Range 15 East, SLB&M, Duchesne County, Utah.

No extension of time beyond April 30, 2016, will be granted to commence the "obligation well" other than "unavoidable delay" (Section 25), where justified.

Approval of this agreement does not warrant or certify that the operator thereof and other holders of operating rights hold legal or equitable title to those rights in the subject leases which are committed hereto.

The basic information is as follows:

1. The depth of the test well and the area to be unitized were approved under the unit plan regulations of December 22, 1950, by Bureau of Land Management letter dated May 19, 2015.
2. All substances are unitized.

3. The unit area embraces 27,955.41 acres, more or less, of which the 20,471.11 acres (73.23 percent) are Federal lands; 7,084.30 acres (25.34 percent) are State lands, and 400.00 (1.43 percent) are Patented lands.

The following leases embrace lands included within the unit area:

UTU62159	UTU67253	UTU74396	UTU76810
UTU65319	UTU73165	UTU75231	UTU76811
UTU65779**	UTU73425	UTU75233	UTU76812
UTU66798	UTU74387	UTU75670	UTU80914**
UTU66800	UTU74395	UTU76478	

** Indicates non-committed leases.

All lands and interests are fully/effectively committed except Tracts 3 totaling 270.80 acres (0.97 percent) Tract 19 totaling 320.00 acres (1.14 percent) and Tract 28 totaling 80.00 acres (.29 percent) which are not committed. Also, certain overriding royalty interest owners have not signed the unit agreement. All parties owning interests within this unit area were invited to join the unit agreement.

Unleased Federal land, Tract 20, totaling 360.00 acres (1.29 percent), is not committed, but is considered to be effectively controlled acreage because, prior to issuance of leases for the acreage, the lessee(s) may be required to commit to the unit agreement.

In view of the foregoing commitment status, effective control of operations within the unit area is assured. We are of the opinion that the agreement is necessary and advisable in the public interest and for the purpose of more properly conserving natural resources.

Copies of the approved agreement are being distributed to the BLM Vernal Field Office, Utah Division of Oil, Gas and Mining, and the Office of Natural Resources Revenue. You are requested to furnish all other interested parties with appropriate evidence of this approval.

If there are any questions, please contact Judy Nordstrom at (801) 539-4108.

Sincerely,



Roger L. Bankert
Chief, Branch of Minerals

cc: UDOGM
SITLA
ONRR w/Exhibit B (Attn: Jessica Bowlen/Joshua Pearson)
FOM – Vernal w/enclosure

CERTIFICATION - DETERMINATION

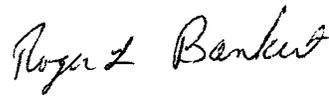
Pursuant to the authority vested in the Secretary of the Interior, under the Act approved February 25, 1920, 41 Stat. 437, as amended, 30 U.S.C. sec 181, et seq., and delegated to the Authorized Officer of the Bureau of Land Management, under the authority of 43 CFR 3180, I do hereby:

A. Approve the attached agreement for the development and operation of the Gate Canyon II Unit Area, Duchesne County, Utah. This approval shall be invalid *ab initio* if the public interest requirement under § 3183.4(b) of this title is not met.

B. Certify and determine that the unit plan of development and operation contemplated in the attached agreement is necessary and advisable in the public interest for the purpose of more properly conserving the natural resources.

C. Certify and determine that the drilling, producing, rental, minimum royalty and royalty requirements of all Federal leases committed to said Agreement are hereby established, altered, changed or revoked to conform with the terms and conditions of this agreement.

Dated: October 30, 2015



Chief, Branch of Minerals
Bureau of Land Management

Contract No: UTU90523X

Wells added to Gate Canyon II Unit.
Effective October 30, 2015

GATE CYN 41-20-11-15	20	110S	150E	4301332475	14417	State	State	GW	P
GATE CYN 31-21-11-15	21	110S	150E	4301332391	13787	State	State	GW	P
GATE CYN ST 23-16-11-16	16	110S	160E	4301332888	15098	State	State	GW	P
GATE CYN 41-19-11-16	19	110S	160E	4301332611	14439	Federal	Federal	GW	P