

EOG Resources, Inc.
P.O. 1910
Vernal, UT 84078

May 28, 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
HORSE POINT 1-34
NW/SE, SEC. 34, T15 ½ S, R23E
GRAND COUNTY, UTAH
LEASE NO.: ST ML-46108
STATE OF UTAH 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

Ed Trotter @ EOGResources.com
Eos@state.utah.gov

Sincerely,



Ed Trotter
Agent
EOG Resources, Inc.

Attachments

RECEIVED
JUN 05 2003
DIV. OF OIL, GAS & MINING

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				5. MINERAL LEASE NO: ST ML 46108	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:	
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>				8. UNIT or CA AGREEMENT NAME:	
2. NAME OF OPERATOR: EOG RESOURCES, INC.				9. WELL NAME and NUMBER: HORSE POINT 1-34	
3. ADDRESS OF OPERATOR: P.O. BOX 1910 CITY VERNAL STATE UT ZIP 84078			PHONE NUMBER: (435) 789-4120	10. FIELD AND POOL, OR WILD CAT: NATURAL BUTTES <i>undersigned</i>	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 2140' FSL, 1760' FEL AT PROPOSED PRODUCING ZONE:				11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSE 34 15 1/2 23E S	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 61.71 MILES SOUTHEAST OF OURAY, UTAH				12. COUNTY: GRAND	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 1760'		16. NUMBER OF ACRES IN LEASE: 1136		17. NUMBER OF ACRES ASSIGNED TO THIS WELL:	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET)		19. PROPOSED DEPTH: 9,100		20. BOND DESCRIPTION: JP-0921	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 7141.5' GRADED GROUND		22. APPROXIMATE DATE WORK WILL START: 7/1/2003		23. ESTIMATED DURATION: AUGUST 1, 2003	

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
12 1/4"	9 5/8"	J-55	36.0#	325	SEE 8 POINT PLAN
8 3/4"	7"	J-55	23.0#	4,000	SEE 8 POINT PLAN
6 1/8"	4 1/2"	N-80	11.6#	9,100	SEE 8 POINT PLAN

25. **ATTACHMENTS**

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

<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 *Ed Trotter* DATE 5/28/2003

(This space for State use only)

API NUMBER ASSIGNED: 43-019-31397

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING

RECEIVED JUN 05 2003

DATE: 7-10-03

BY: *[Signature]* DIV. OF OIL, GAS & MINING

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 06/05/2003

API NO. ASSIGNED: 43-019-31397

WELL NAME: HORSE POINT 1-34
OPERATOR: EOG RESOURCES INC (N9550)
CONTACT: ED TROTTER

PHONE NUMBER: 435-789-4120

PROPOSED LOCATION:
NWSE 34 ^{15 1/2} 150S 230E
SURFACE: 2140 FSL 1760 FEL
BOTTOM: 2140 FSL 1760 FEL
GRAND
UNDESIGNATED (2)

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	DKD	7/8/03
Geology		
Surface		

LEASE TYPE: 3 - State
LEASE NUMBER: ML 46108
SURFACE OWNER: 3 - State

LATITUDE: 39.45795
LONGITUDE: 109.36265

PROPOSED FORMATION: ENRD

RECEIVED AND/OR REVIEWED:

Plat

Bond: Fed[] Ind[] Sta[3] Fee[]
(No. JP-0921 ^{OK})

Potash (Y/N)

Oil Shale 190-5 (B) or 190-3 or 190-13

Water Permit
(No. 49-1501)

RDCC Review (Y/N)
(Date:)

Fee Surf Agreement (Y/N)

LOCATION AND SITING:

R649-2-3.
Unit _____

R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells

R649-3-3. ~~Exception.~~

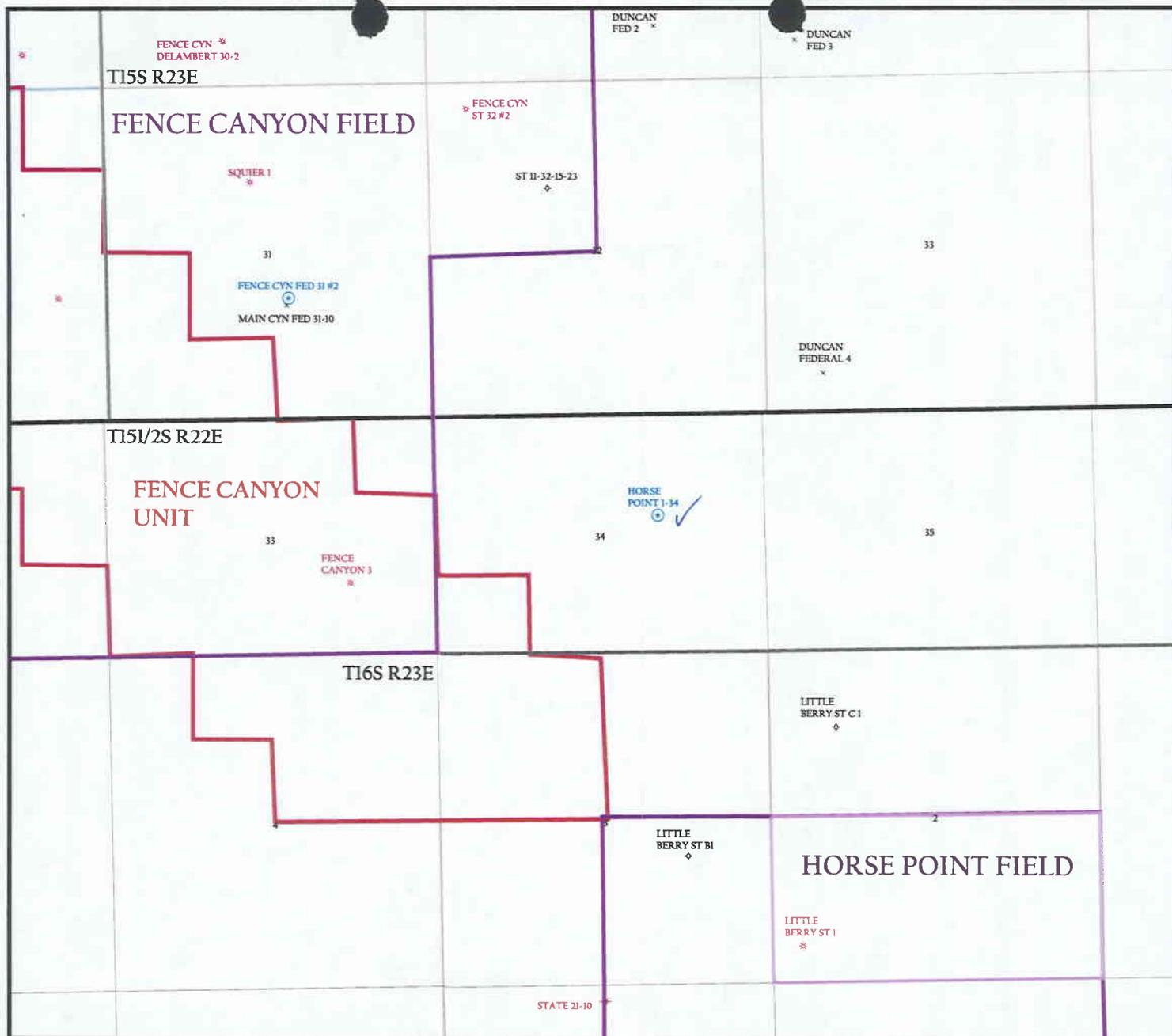
Drilling Unit
Board Cause No: _____
Eff Date: _____
Siting: _____

R649-3-11. Directional Drill

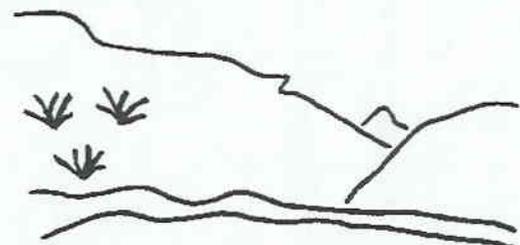
COMMENTS: Needs Presite (06-23-03)

STIPULATIONS: 1- Spacing Slip
2- STATEMENT OF BASIS

③ Production Casing Cement shall be brought above the top of the Frontier Form (+7000')



OPERATOR: EOG RESOURCES (N9550)
 SEC. 34 T.151/2S, R.23E
 FIELD: UNDESIGNATED (002)
 COUNTY: GRAND
 SPACING: R649-3-3 / EXCEPTION LOCATION



Utah Oil Gas and Mining

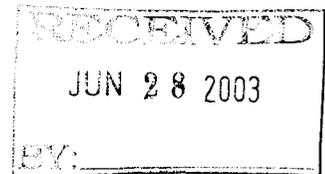
- Wells**
- ✓ GAS INJECTION
 - GAS STORAGE
 - LOCATION ABANDONED
 - NEW LOCATION
 - PLUGGED & ABANDONED
 - PRODUCING GAS
 - PRODUCING OIL
 - SHUT-IN GAS
 - SHUT-IN OIL
 - × TEMP. ABANDONED
 - TEST WELL
 - WATER INJECTION
 - WATER SUPPLY
 - ✓ WATER DISPOSAL

- 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



PREPARED BY: DIANA MASON
 DATE: 12-JUNE-2003



EOG Resources, Inc.
600 Seventeenth Street
Suite 1100N
Denver, CO 80202
(303) 572-9000
Fax: (303) 824-5400

June 13, 2003

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

Attention: Ms. Diana Mason

RE: Request for Exception Location
Horse Point 1-34 Well
Horse Point Area
Grand County, Utah

Ladies and Gentlemen:

EOG Resources, Inc. ("EOGR") applied with the Utah Division of Oil, Gas and Mining for a Drilling Permit for the captioned well. The well is scheduled to drill at the following location in the captioned area to a proposed subsurface depth of 9,100 feet to test the Cedar Mountain and Entrada Formations:

Township 15 1/2 South, Range 23 East, SLM
Section 34: NW4SE4
2,140' FSL and 1,760' FEL

Due to topographical and geological reasons EOGR is unable to drill this exploratory well at a legal location as defined under state rule R649-3-2. We therefore respectfully request from the state an exception to rule R649-3-2 in accordance with state rule R649-3-3. In support of our request we provide a survey plat and a topographical map. By referring to the topographical map you will note that we are unable to spot the well at the center of the NW/4SE/4 of Section 34, or within a 400' window, because of the steep terrain. For this wildcat well we prefer to keep location cost and surface disturbance to a minimum.

Please be advised that State of Utah Lease ML-46108 covers the SE4 of said Section 34 and other lands. This lease is held by EOG Resources, Inc. and National Fuel Corporation. By copy of this letter to Mr. J. C. Thompson, President of National Fuel Corporation, it is requested that he provide his written consent on behalf of National Fuel Corporation to the requested exception location by dating, signing and forwarding the duplicate original hereof to the Utah Division of Oil, Gas and Mining at the above address, and provide a copy to the undersigned at

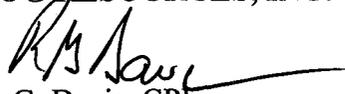
the letterhead address. There are no other owners within a 460' radius of the proposed well location.

EOGR respectfully requests the Utah Division of Oil, Gas and Mining to grant administrative approval of this application for an exception location described herein at its earliest opportunity.

Thank you for your consideration to our request. Should you have any questions regarding this matter, please feel free to give me a call at (303) 824-5428.

Sincerely,

EOG RESOURCES, INC.


R. G. Davis, CPL
Project Landman

cc: Sheila Bremer – Denver
Curt Parsons – Big Piney

Ms. Diane Thompson
National Fuel Corporation
7720 E. Belleview Ave., Suite B-300
Englewood, CO 80111

Accepted and agreed to this 30th day of June, 2003

National Fuel Corporation

By: Diane Thompson

Date: 6/30/03



EOG Resources, Inc.
600 Seventeenth Street
Suite 1100N
Denver, CO 80202
(303) 572-9000
Fax: (303) 824-5400

June 13, 2003

Utah Division of Oil, Gas and Mining
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RECEIVED

JUN 18 2003

energy opportunity growth

DIV. OF OIL, GAS & MINING

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EOG RESOURCES, INC.



R. G. Davis, CPL
Project Landman

cc: Sheila Bremer – Denver
Curt Parsons – Big Piney

Mr. J. C. Thompson
National Fuel Corporation
7720 E. Belleview Ave., Suite B-300
Englewood, CO 80111

Accepted and agreed to this _____ day of June, 2003

National Fuel Corporation

By: _____

Date: _____

R 23 E

Uintah County

Grand County

Horse Point 1-34

34

43-34

T
15 1/2
N

T
16
N

BUCKSK

----- OIL & Gas WELL LOCATION PATTERN PURSUANT TO UTAH DOGM RULE R649-3-2

□ LEGAL WINDOW WITHIN WHICH PERMITTED WELL COULD BE DRILLED PURSUANT TO UTAH DOGM RULE R649-3-2

— — — — Fence Canyon Unit

● Horse Point 1-34 NW SE SEC. 34 T15 1/2 N - R23E
Location Sec. 34 2140' FSL, 1760' FEL

Scale: 1"=1000'



Denver Division

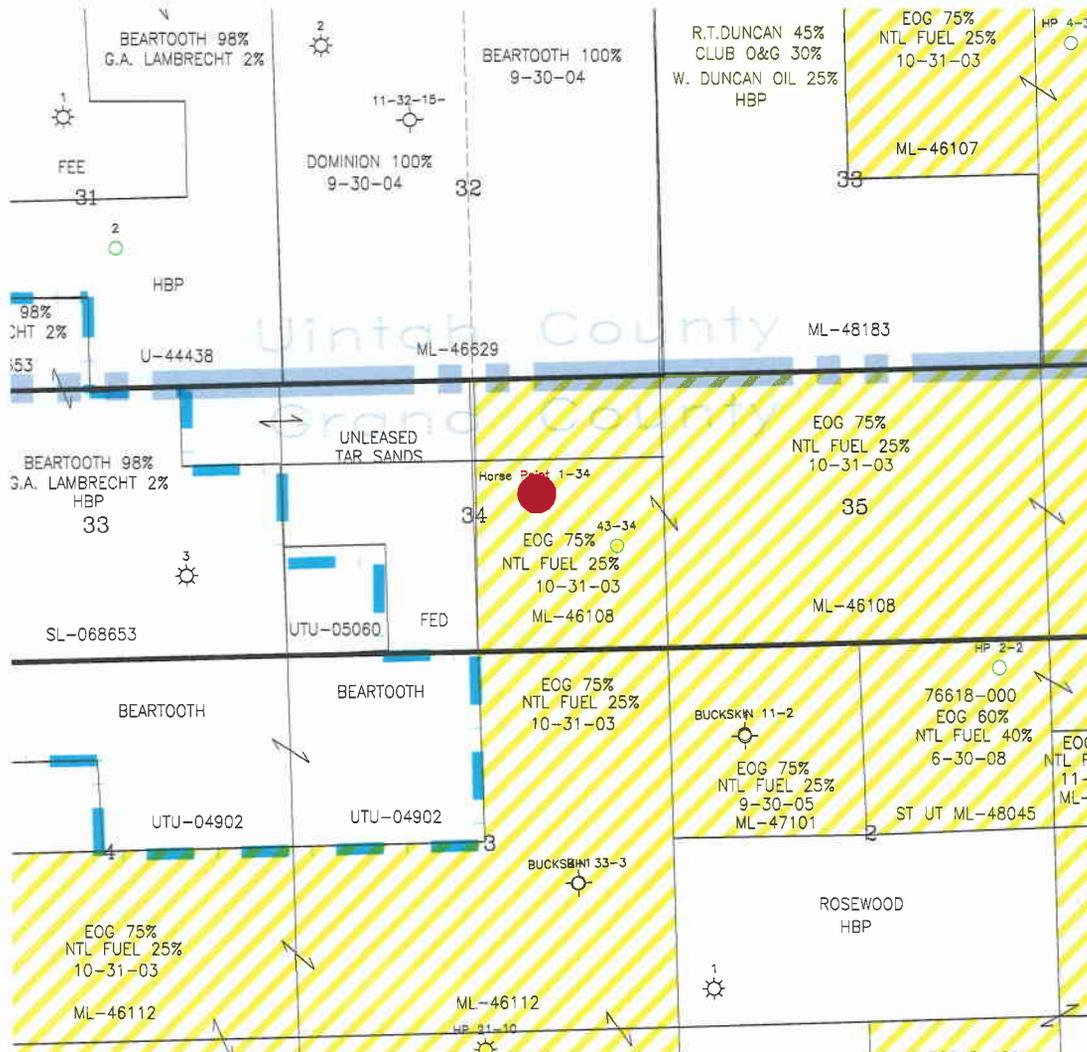
Well Exception Location Request

Horse Point 1-34

GRAND COUNTY, UTAH

Scale: 1"=1000'	Map ID 2001frontier_wells	Author BD	Date: 6/03
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R 23 E



T 15 N
T 15 1/2 N
T 16 N

-  EOG 100% W.I.
-  EOG PARTIAL W.I.

 Proposed Locations



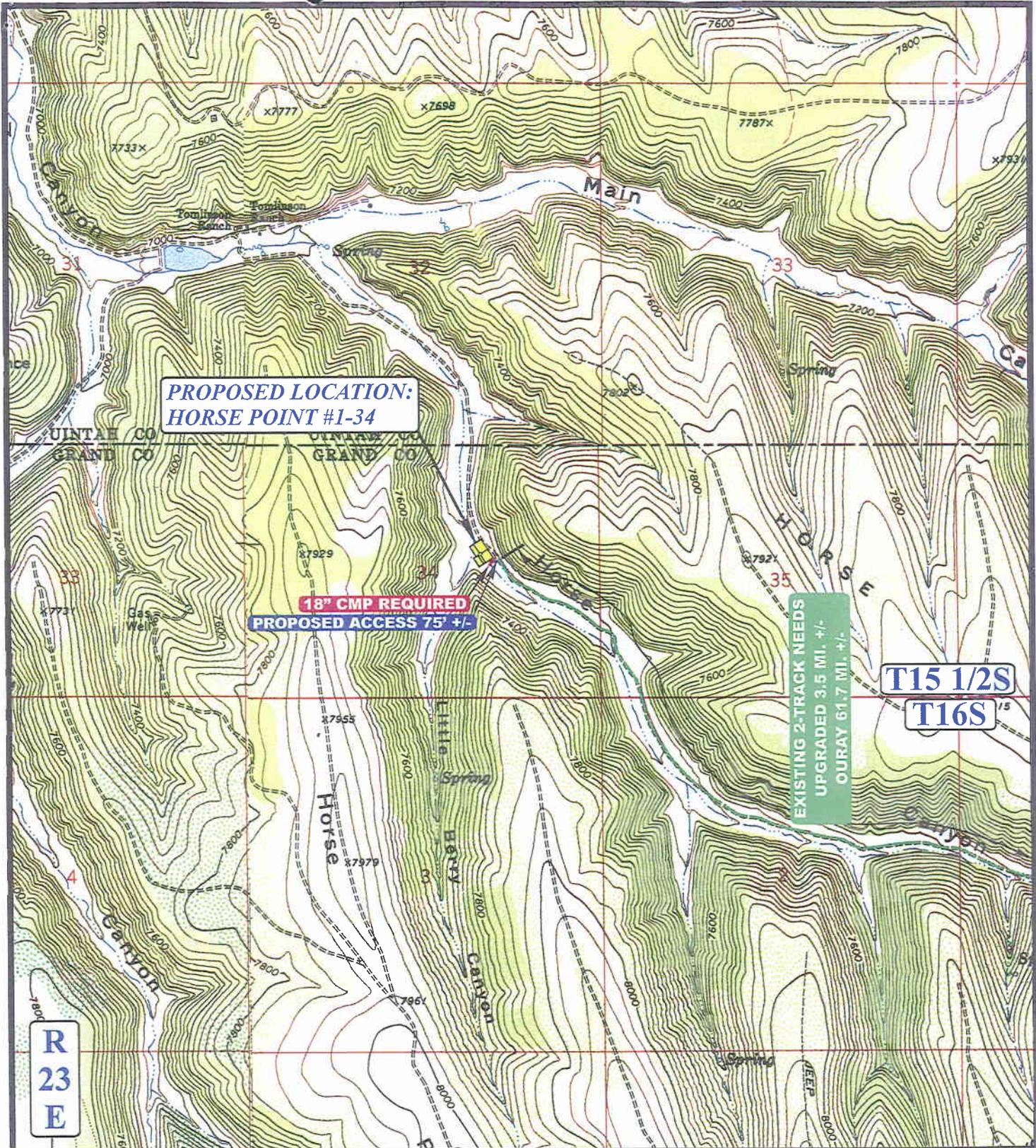
Denver Division

LAND MAP

Horse Point 1-34

GRAND COUNTY, UTAH

Scale: 2" = 1 mile	Map ID 2001frontier_wells	Author BD\	Date: 6/03
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LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING ROAD



EOG RESOURCES, INC.

HORSE POINT #1-34
SECTION 34, T15 1/2S, R23E, S.L.B.&M.
2140' FSL 1760' FEL

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

TOPOGRAPHIC **4 29 03**
MAP MONTH DAY YEAR
 SCALE: 1" = 2000' DRAWN BY: K.G. REVISED: 5-23-03

B
 TOPO

EIGHT POINT PLAN

HORSE POINT 1-34
NW/SE, SEC. 34, T15 1/2S, R23E, S.L.B.&M.
GRAND COUNTY, UTAH

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

FORMATION	DEPTH (KB)
Buck Tongue	3455'
Castlegate	3650'
Mancos	3900'
Mancos 'B'	4425'
Frontier	7215'
Dakota Silt	7420'
Dakota	7500'
Cedar Mountain	7590'
Morrison	7735'
Salt Wash	7891'
Entrada	8281'
Chinle	9043'

EST. TD: 9100

Anticipated BHP 3900 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>RATING FACTOR</u>		
							<u>COLLAPSE</u>	<u>BURST</u>	<u>TENSILE</u>
12 1/4"	0' - 325' +/- KB	325' +/-	9 5/8"	36.0 #	J-55	ST&C	2020 PSI	3520 PSI	394,000#
8 3/4"	325' - 4000' +/-KB	4000 +/-	7"	23.0 #	J-55	LTC	3270 PSI	4360 PSI	313,000#
6 1/8"	4000' - TD +/-KB	9100' +/-	4 1/2"	11.6 #	N-80	LTC	6350 PSI	7780 PSI	223,000#

All casing will be new or inspected.

5. Float Equipment:

Surface Hole Procedure (0-325' Below GL):

Guide Shoe

Centralizers: 1 – bow-spring 5-10' above shoe, then collar of joints #2, and #3. (3 total). Have bottom of collars on joints #1 and #2 tack-welded. Thread lock guide shoe and tops of joints #1 and #2.

Intermediate Hole Procedure (325'-4000'):

Float Shoe

Insert Flapper Valve

Centralizers: 1 bow-spring 5' above shoe, top of #2 and #3 collars, then every 6th joint for 7 collars (10 total centralizers).

Have bottom of collars on joint 1 and 2 tack-welded. Thread-lock float shoe and tops of joints #1 and #2.

EIGHT POINT PLAN

HORSE POINT 1-34
NW/SE, SEC. 34, T15 1/2S, R23E, S.L.B.&M.
GRAND COUNTY, UTAH

Float Equipment(Continued):

Production Hole Procedure (4000'-TD):

FS, 1 joint of casing, FC, and balance of casing to surface. Run marker collar $\pm 7000'$. Centralize 5' above shoe on joint #1, top of joint #2, then every 2nd joint to 6700' (15 total).

6. MUD PROGRAM

Surface Hole Procedure (0-325' below GL):

Air - Air Water Mist

Intermediate Hole Procedure (325-4000'):

Air / DAP (Diammonium Phosphate) / Baracat / Halliburton HC-2 / Foam as deep as possible to 4000'. If mud up is necessary, Quik Gel / DAP / PAC-R freshwater mud system; 8.5-8.8 ppg weight, 38-46 sec./qt. viscosity, ≤ 12 cc's water loss.

Production Hole Procedure (4000'-TD):

Air to 7400', Quik Gel / DAP / PAC-R freshwater mud system 7400'-TD (8.5-8.8 ppg weight, 38-46 sec./qt. viscosity, ≤ 12 cc's water loss.)

7. VARIANCE REQUESTS:

- A. EOG Resources, Inc. requests a variance to regulations requiring a straight run blooie line (Where possible, a straight run blooie line will be used).
- B. EOG Resources, Inc. requests a variance to regulations requiring an automatic ignitor or continuous pilot light on the blooie line. (Not required on aerated water system).
- B. EOG Resources, 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.

8. EVALUATION PROGRAM:

Logs: Schlumberger Platform Express from TD to base of intermediate casing.

9. CEMENT PROGRAM:

Surface Hole Procedure (0-325' Below GL)

Lead: 140% excess, 200 sx. Class G w/2% CaCl₂ & 0.25 pps cellophane flakes Mix at 15.8 ppg, 1.15 ft³/ft., 4.95 gps water.

Top Out: Top out with Class G cement w/ 2% CaCl₂ on side via 1" tubing if needed.

EIGHT POINT PLAN

HORSE POINT 1-34

NW/SE, SEC. 34, T15 1/2S, R23E, S.L.B.&M.

GRAND COUNTY, UTAH

CEMENT PROGRAM (Continued):

Intermediate Hole Procedure (325'-4000')

Lead: 150% excess (3000-0'), 300 sx. Class G w/ 5% D44, 12% D20, 1% D79, 0.25% D112, 0.2% D46, 0.25 pps D29. Mix at 11.0 ppg, 3.91 ft³/ft, 24.54 gps water.

Tail: 100% excess (4000-3000'), 220 sx. 50/50 Poz/G w/ 10% D44, 2% D20, 0.2% D46, 0.25 pps D29. Mix at 14.1 ppg, 1.36 ft³/sx, 6.25 gps water.

Production Hole Procedure (4000' to TD)

Slurry: ^{215 sks} 50:50 Poz w/ 2% D20, 2% D174, 0.25% D65, 0.5% D167, 0.15% D13. Mix at 14.2 ppg, 1.29 ft³/sx, 5.83 gps mix.

10. ABNORMAL CONDITIONS:

SURFACE HOLE PROCEDURE (0-325')

Potential Problems: Rubblized/graveled, sloughing rock and surface water.

INTERMEDIATE HOLE PROCEDURE (325-4000')

Potential Problems: Offset well information indicates water zones anywhere below 1100'. Sloughing formation throughout intermediate hole and keyseat development in upper portion of intermediate hole. Lost circulation is possible if the hole needs to be mudded up or while cementing surface casing.

PRODUCTION HOLE (4000'-TD)

Potential Problems: Sloughing shale and keyseat development is possible in the upper hole below the intermediate casing seat. Deviation up to 14° inclination and related excessive dogleg severity is possible from 5500-7000'.

11. STANDARD REQUIRED EQUIPMENT:

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

EIGHT POINT PLAN

HORSE POINT 1-34

NW/SE, SEC. 34, T15 1/2S, R23E, S.L.B.&M.

GRAND COUNTY, UTAH

12. 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.

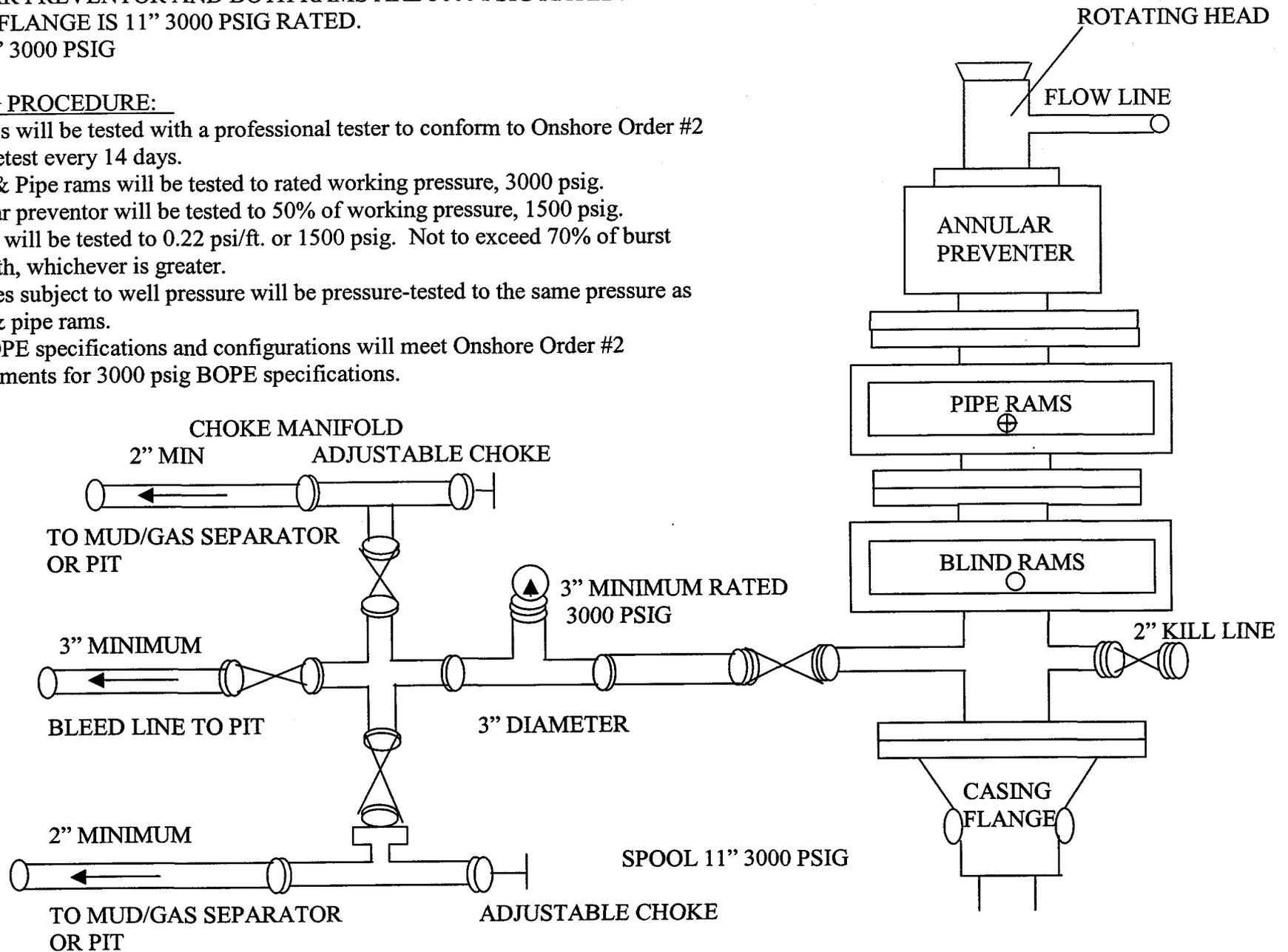
(Attachment: BOP Schematic Diagram)

3000 PSIG DIAGRAM

ANNULAR PREVENTOR AND BOTH RAMS ARE 3000 PSIG RATED.
 CASING FLANGE IS 11" 3000 PSIG RATED.
 BOPE 11" 3000 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, 3000 psig.
3. Annular preventor will be tested to 50% of working pressure, 1500 psig.
4. Casing will be tested to 0.22 psi/ft. or 1500 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 3000 psig BOPE specifications.



EOG RESOURCES, INC.
HORSE POINT #1-34
SECTION 34, T15 1/2 S, R23E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION ON THE SEEP RIDGE ROAD APPROXIMATELY 55.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 3.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN RIGHT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 3.5 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE WEST; FOLLOW ROAD FLAGS IN A WESTERLY DIRECTION APPROXIMATELY 75' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 92.7 MILES.

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

Company/Operator: EOG Resources, Inc.
Well Name & Number: Horse Point 1-34
Lease Number: ST ML-46108
Location: 2140' FSL & 1760' FEL, NW/SE, Sec. 34,
T15 ½ S, R23E, S.L.B.&M.,
Grand 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 61.71 miles southeast of Ouray, 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 75 feet 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, EOG Resources, 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**

A. Abandoned wells – 1*

B. Producing wells - 1*

(*See attached TOPO map “C” for location)

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.
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. 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 Northwest side of the location.

5. **LOCATION & TYPE OF WATER SUPPLY**

- A. Water supply will be from the Ouray Municipal Water Plant at Ouray, Utah, and/or Target Trucking Inc.’s water source in the SW/SW, Section 35, T9S, R22E, Uintah County, Utah (State Water Right #49-1501). Produced water from the Chapita Wells and Stagecoach Units will also be used.

- B. Water will be hauled by a licensed trucking company.
- C. No water well will be drilled on lease.

6. **SOURCE OF CONSTRUCTION MATERIAL**

- A. All construction material for this location and access road will be of native borrow and soil accumulated during the construction of the location.
- B. No mineral materials will be required.

7. **METHODS OF HANDLING WASTE DISPOSAL**

A. METHODS AND LOCATION

- 1. Cuttings will be confined in the reserve pit.
 - 2. A portable toilet will be provided for human waste during the drilling and completion of the well. Disposal will be at the Vernal sewage disposal plant.
 - 3. Burning will not be allowed. Trash and other waste material will be contained in a wire mesh cage and disposed of at the Uintah County landfill.
 - 4. Produced wastewater will be confined to a lined pit or storage tank for a period not to exceed 90 days after initial production. After the 90 day period, the produced water will be contained in a tank on location and then disposed of at one of the following three locations: Natural Buttes Unit 21-20B SWD, Ace Disposal, or EOG Resources, Inc. drilling operations (Chapita Wells Unit, Natural Buttes Unit & Stagecoach Unit).
 - 5. All chemicals will be disposed of at an authorized disposal site. Drip pans and absorbent pads will be used on the drilling rig to avoid leakage of oil to the pit.
- B. Water from drilling fluids and recovered during testing operations will be disposed of by either evaporating in the reserve pit or be removed and disposed of at an authorized disposal site. Introduction of well bore hydrocarbons to the reserve pit will be avoided by flaring them off in the flare pit at the time of recovery.

The reserve pit will be constructed so as not to leak, break, or allow discharge.

8. **ANCILLARY FACILITIES**

- A. No airstrips or camps are planned for this well.

9. **WELLSITE LAYOUT**

- A. Refer to attached well site plat for related topography cuts and fills and cross sections.

- B. Refer to attached well site plat for rig layout and soil material stockpile location as approved on On-site.
- C. Refer to attached well site plat for rig orientation, parking areas, and access road.

The reserve pit will be located on the South side of the location. The flare pit will be located downwind of the prevailing wind direction on the West side of the location, a minimum of 100 feet from the well head and 30 feet from the reserve pit fence.

The stockpiled topsoil will be stored on the between Corner #3 and the access road as well as from Corner 6 to East of Corner #7.

Access to the well pad will be from the Southeast.

FENCING REQUIREMENTS:

All pits will be fenced according to the following minimum standards:

- A. Thirty-nine inch net wire shall be used with at least one strand of barbed wire on top of the net wire. (Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence).
- B. The net wire shall be no more than 2 inches above the ground. The barbed wire strand shall be 3 inches above the net wire. Total height of the fence shall be at least 42 inches.
- C. Corner posts shall be cemented and/or braced in such a manner as to keep the fence tight at all times.
- D. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16 feet.
- E. All wire shall be stretched by using a stretching device before it is attached to the corner posts.

The reserve pit fencing will be on the three sides during drilling operations and on the fourth side when the rig moves off the location. Pits will be fenced and maintained until clean-up.

10. PLANS FOR RESTORATION OF SURFACE

A. PRODUCING LOCATION

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.

Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with CFR 3162.7-1.

If a plastic nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

11. **SURFACE OWNERSHIP**

Access road: State of Utah

Location: State of Utah

12. **OTHER INFORMATION**

A. EOG Resources, Inc. will inform all persons in the area who are associated with this project that they are subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator will immediately stop work that might further disturb such materials, and contact the AO. Within five working days the AO will inform the operator as to:

-whether the materials appear eligible for the National Register of Historic Places;

-the mitigation measures the operator will likely have to undertake before the site can be used.

-a time frame for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

If the operator wished, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials that may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that required mitigation has been completed, the operator will then be allowed to resume construction.

LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION

PERMITTING AGENT

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

DRILLING OPERATIONS

Donald Presenkowski
EOG Resources, Inc.
P.O. Box 250
Big Piney, WY 83113
Telephone: (307)276-4865

All lease or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approval plan of operations, and any applicable Notice to Lessees. EOG Resources, Inc. is fully responsible for the actions of their subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions that presently exist; that the statements made in the Plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by EOG Resources, Inc. and its contractors and subcontractors in conformity with this Plan and the terms and conditions under which it is approved.

5-28-2003
Date

Ed Trotter
Agent

EOG RESOURCES, INC.

HORSE POINT #1-34

LOCATED IN GRAND COUNTY, UTAH
SECTION 34, T15 1/2S, R23E, S.L.B.&M.



PHOTO: VIEW FROM PIT CORNER "C" TO LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHWESTERLY



- Since 1964 -

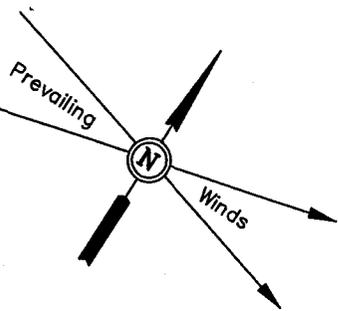
UELS Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS			4	29	03	PHOTO
			MONTH	DAY	YEAR	
TAKEN BY: B.B.	DRAWN BY: K.G.	REVISED: 5-23-03				

EOG RESOURCES, INC.

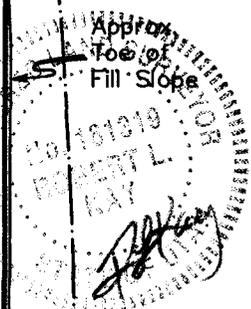
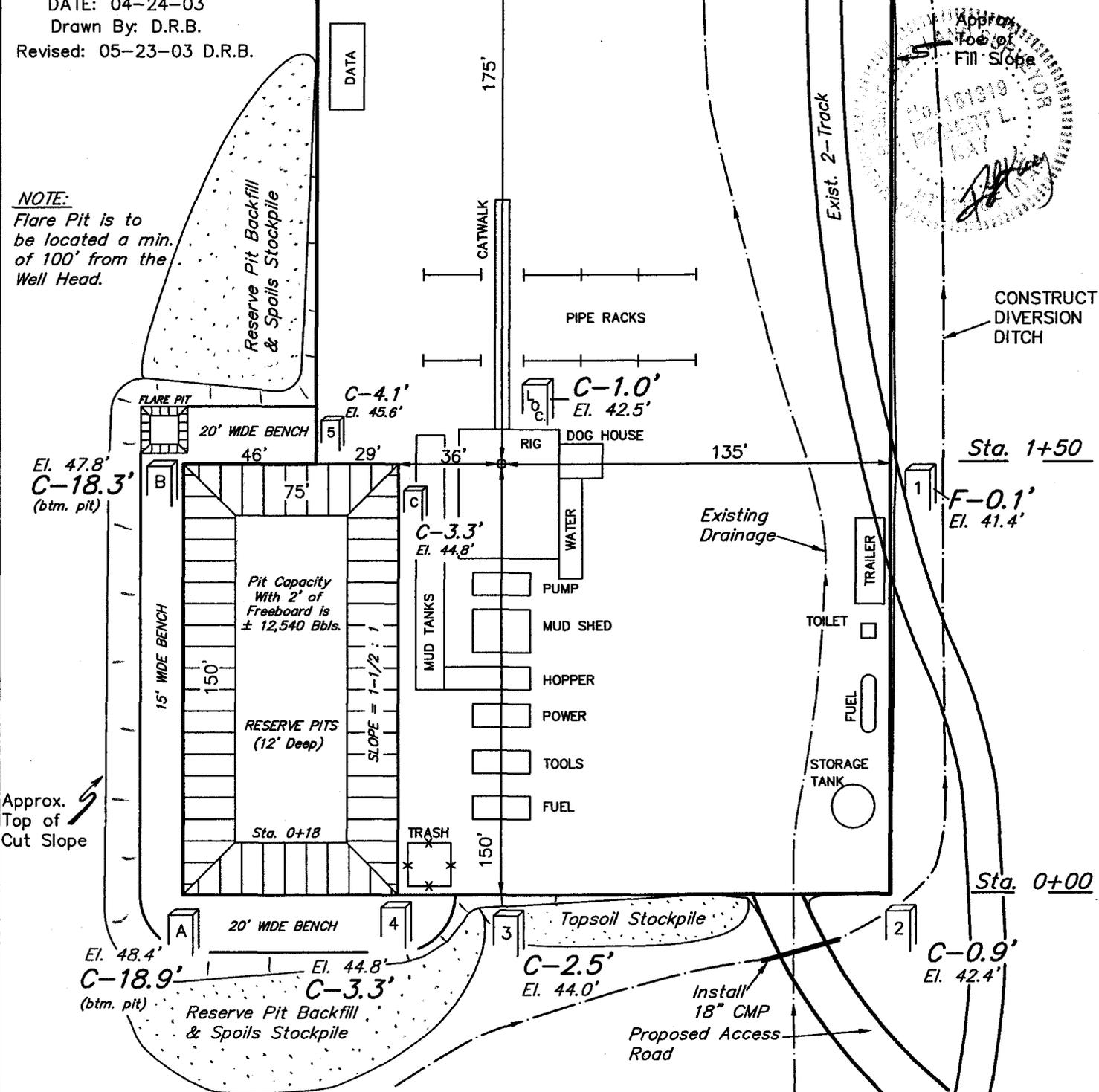
LOCATION LAYOUT FOR

HORSE POINT #1-34
SECTION 34, T15 1/2S, R23E, S.L.B.&M.
2140' FSL 1760' FEL



SCALE: 1" = 50'
DATE: 04-24-03
Drawn By: D.R.B.
Revised: 05-23-03 D.R.B.

NOTE:
Flare Pit is to be located a min. of 100' from the Well Head.



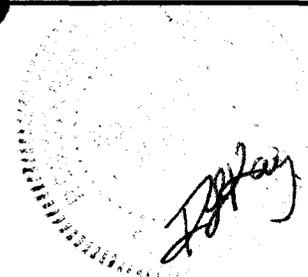
Elev. Ungraded Ground at Location Stake = 7142.5'
Elev. Graded Ground at Location Stake = 7141.5'

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

EOG RESOURCES, INC.

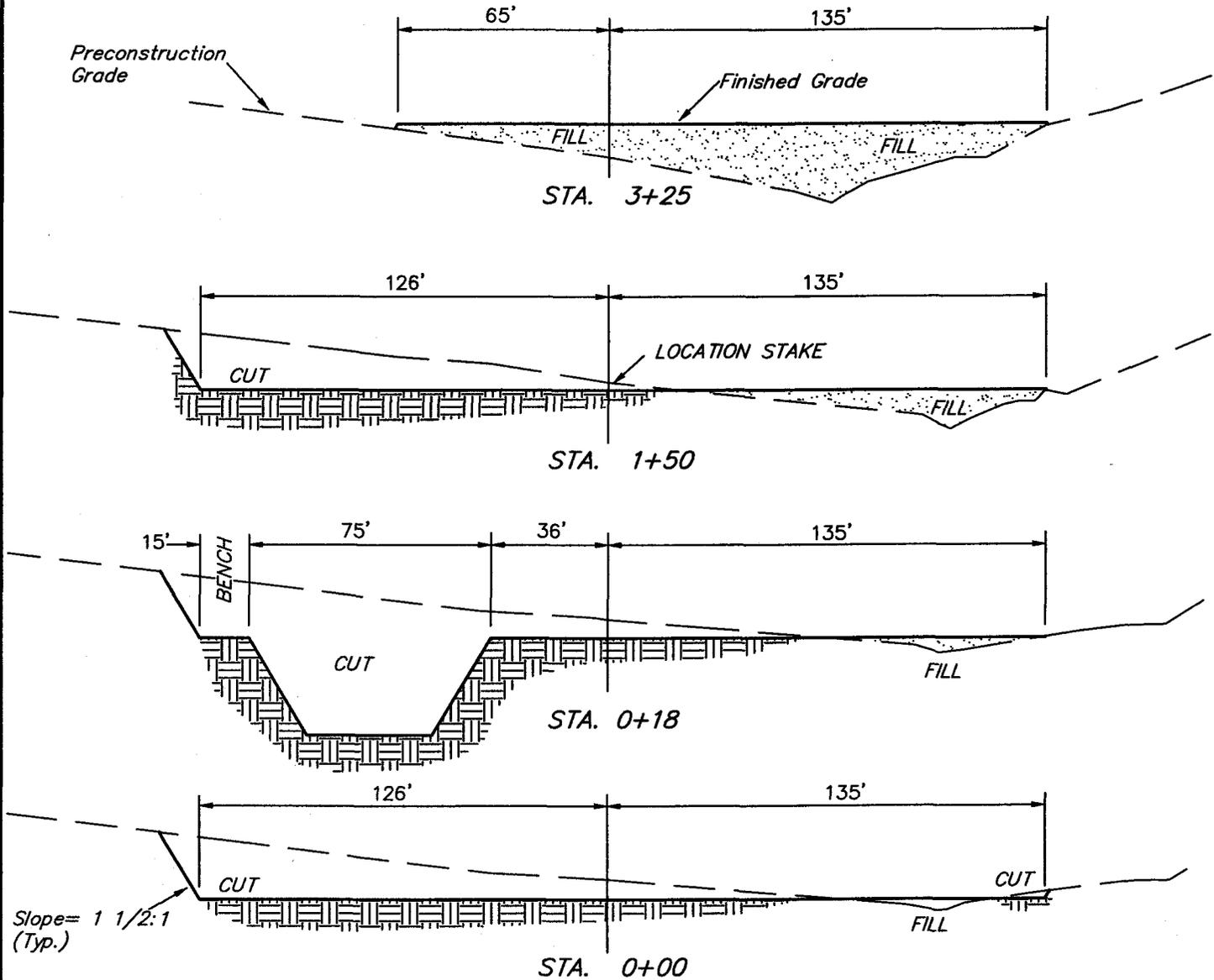
TYPICAL CROSS SECTIONS FOR

HORSE POINT #1-34
SECTION 34, T15 1/2S, R23E, S.L.B.&M.
2140' FSL 1760' FEL



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

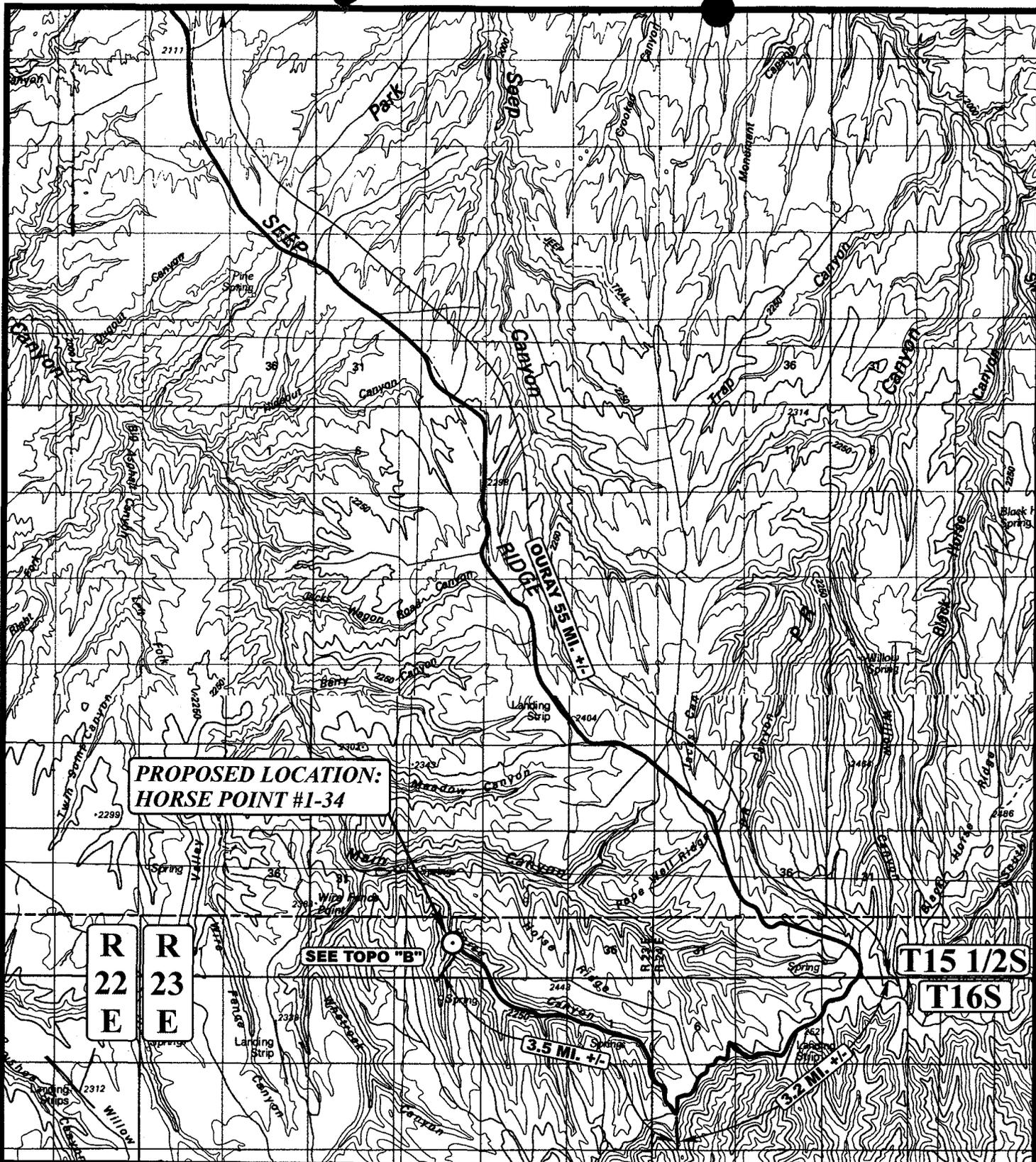
DATE: 04-24-03
Drawn By: D.R.B.
Revised: 05-23-03 D.R.B.



APPROXIMATE YARDAGES

(6") Topsoil Stripping = 1,440 Cu. Yds.
Remaining Location = 7,090 Cu. Yds.
TOTAL CUT = 8,530 CU.YDS.
FILL = 5,120 CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION = 3,140 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.) = 3,140 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation) = 0 Cu. Yds.



**PROPOSED LOCATION:
HORSE POINT #1-34**

**R
22
E** **R
23
E**

SEE TOPO "B"

**T15 1/2S
T16S**

LEGEND:

○ PROPOSED LOCATION



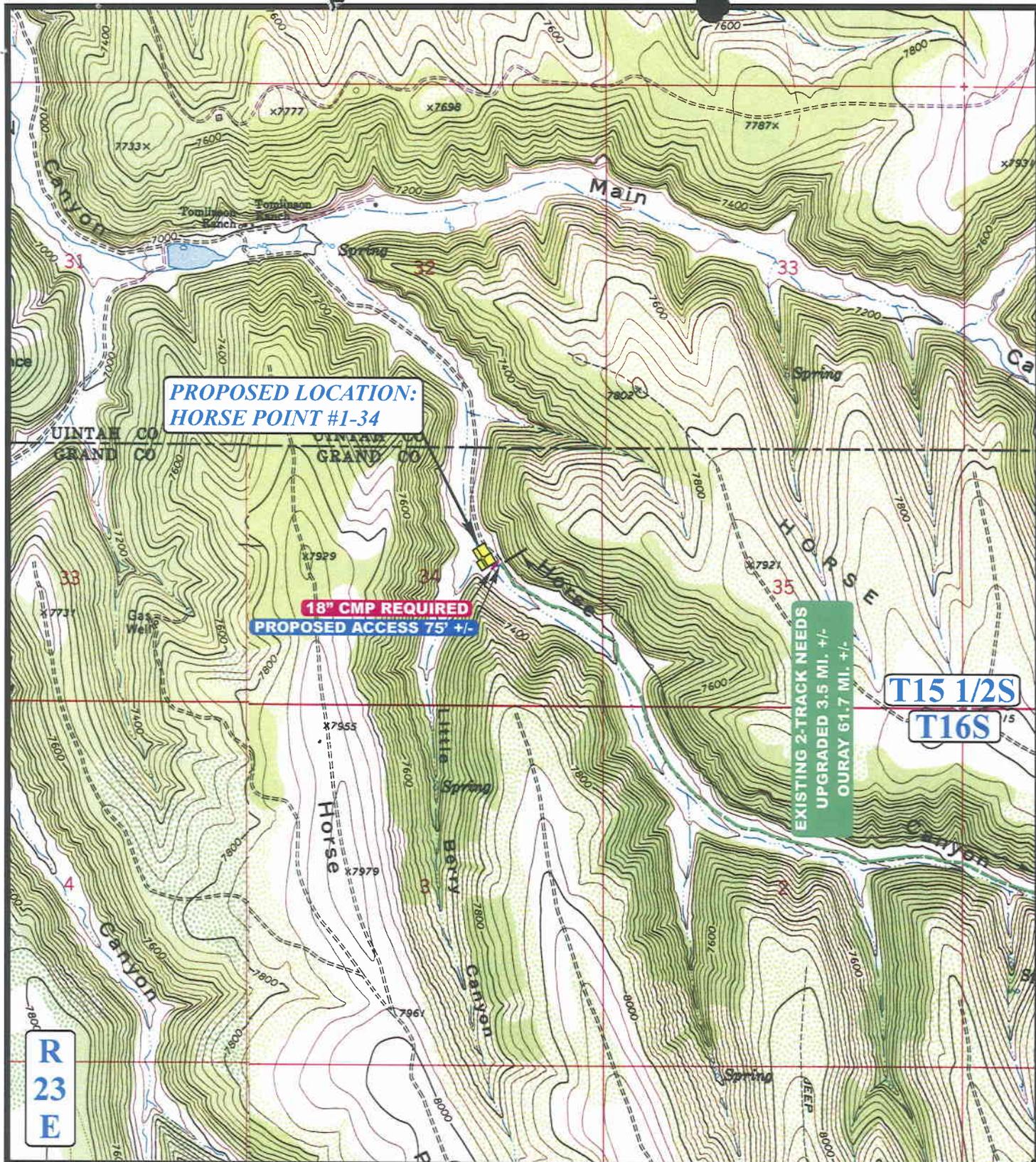
EOG RESOURCES, INC.

**HORSE POINT #1-34
SECTION 34, T15 1/2S, R23E, S.L.B.&M.
2140' FSL 1760' FEL**

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

TOPOGRAPHIC **4 29 03**
MAP MONTH DAY YEAR
 SCALE: 1:100,000 DRAWN BY: K.G. REVISED: 5-23-03

A
TOPO



**PROPOSED LOCATION:
HORSE POINT #1-34**

**18" CMP REQUIRED
PROPOSED ACCESS 75' +/-**

**EXISTING 2-TRACK NEEDS
UPGRADED 3.5 MI. +/-
OURAY 61.7 MI. +/-**

**T15 1/2S
T16S**

**R
23
E**

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING ROAD

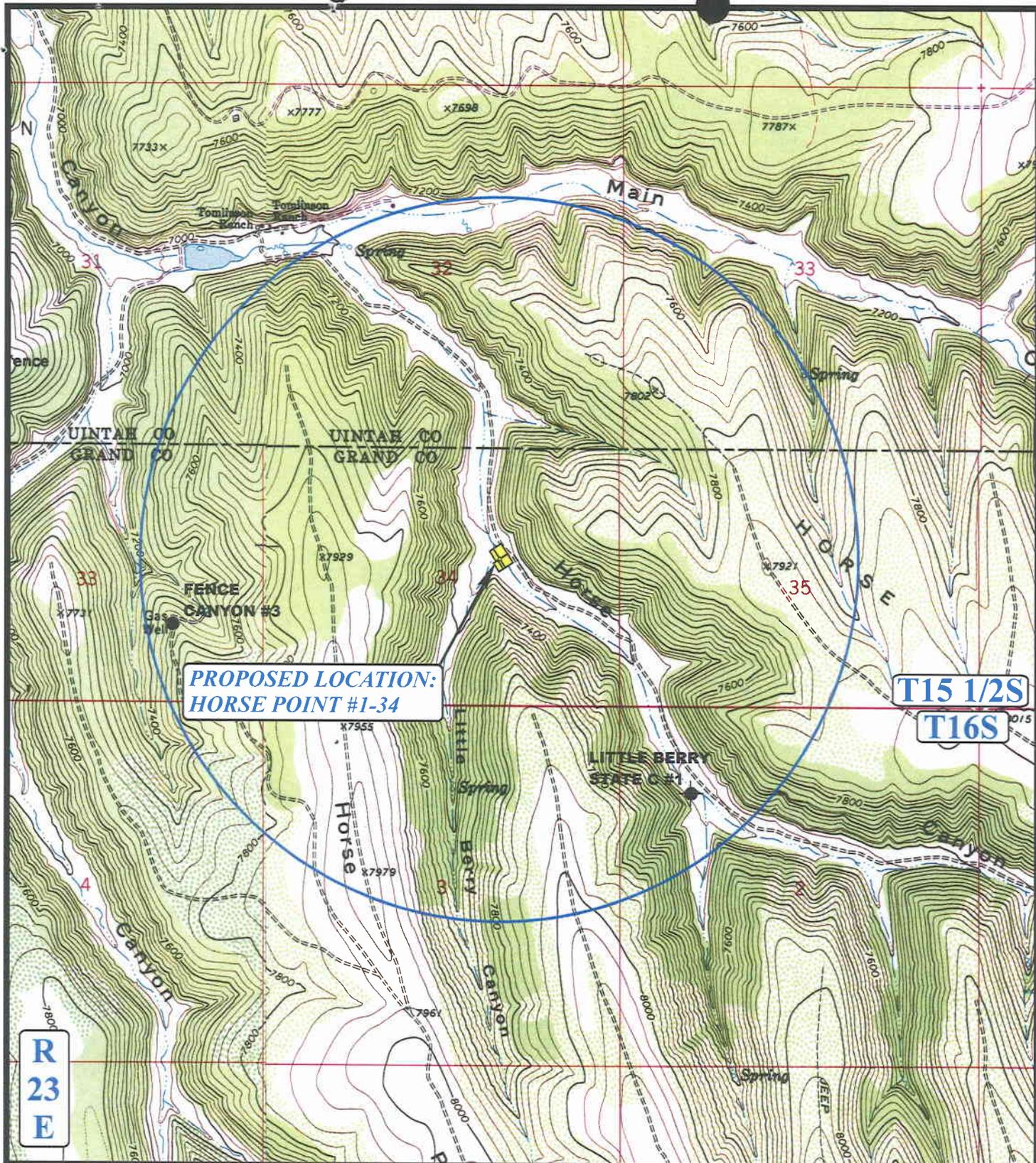


EOG RESOURCES, INC.

**HORSE POINT #1-34
SECTION 34, T15 1/2S, R23E, S.L.B.&M.
2140' FSL 1760' FEL**

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

TOPOGRAPHIC **4 29 03**
MAP MONTH DAY YEAR
SCALE: 1" = 2000' DRAWN BY: K.G. REVISED: 5-23-03 **B**
TOPO



**PROPOSED LOCATION:
HORSE POINT #1-34**

**T15 1/2 S
T16 S**

**R
23
E**

LEGEND:

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



EOG RESOURCES, INC.

**HORSE POINT #1-34
SECTION 34, T15 1/2 S, R23 E, S.L.B.&M.
2140' FSL 1760' FEL**



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

**TOPOGRAPHIC
MAP**

4 29 03
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: K.G. REVISED: 5-23-03



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

OPERATOR: EOG Resources Inc
WELL NAME & NUMBER: Horse point #1-34
API NUMBER: 43-013-31397
LOCATION: 1/4,1/4 NW/SE Sec: 34 TWP: 15 1/2 S RNG: 23 E 2140' FSL 1760' FEL

Geology/Ground Water:

EOG is proposing 325 feet of surface casing in the proposed well. The base of the moderately saline water is at approximately 2,500 feet in this area. This location lies on the Green River Formation. The proposed location is in a recharge area for the aquifers of the upper Green River formation and fresh water can be expected to be found in the upper Green River. A search of Division of Water Rights records indicates no water wells within a 10,000 foot radius of the center of Section 34. The proposed casing and cement program should adequately protect any useable ground water. Intermediate casing cement should be brought up above the base of the moderately saline groundwater.

Reviewer: Brad Hill **Date:** 06-24-2003

Surface:

Division staff did an onsite of the surface area in said date to take input and address surface issues regarding construction and drilling of this gas well. Ed Bonner with SITLA was notified by the division and invited to participate but was unable to attend. Floyd Bartlett with UDWR did attend and asked when drilling of well was scheduled. Ed Trotter claimed EOG would drill in two weeks if permit were ready. Barlett preferred they drill in summer or early fall because of bear den activity and fawning for big game animals. Access road is washed deep on both sides of road where it leaves the divide and runs north toward location. An 18" type culvert needs installed approximately 1.0 miles north along this existing two-track to allow drainage from the eastern slopes. (You can see where the washout has taken a natural path across roadway and is where the culvert should be installed). When the well is put into production, all fluids or blow down points should go to tanks and all pits closed because of canyon bottom, potential ground water and Delambert Ranch. Furthermore, a fence that crosses just south of location well need replaced with a cattle guard because of livestock use along canyon.

Reviewer: Dennis L Ingram **Date:** June 24, 2003

Conditions of Approval/Application for Permit to Drill:

1. A synthetic liner with a minimum thickness of 12 mils shall be properly installed and maintained in the reserve pit.
2. An 18" culvert placed along access road where natural water run-off has washed out road
3. A cattle guard installed at gate south of location to provide ease of access by landowner, cattle producer and public.

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

OPERATOR: EOG Resources, Inc.
WELL NAME & NUMBER: Horse Point #1-34
API NUMBER: 43-019-31387
LEASE: ST ML-46108 FIELD/UNIT: Undesignated
LOCATION: 1/4,1/4 NW/SE Sec: 34 TWP: 15 S RNG: 23E 2140 FSL 1760 FEL
LEGAL WELL SITING: 460 F SEC. LINE; 460 F 1/4,1/4 LINE; 920 F ANOTHER WELL.
GPS COORD (UTM): X =0640859 E; Y =4368670 N SURFACE OWNER: SITLA (STATE)

PARTICIPANTS

Dennis L. Ingram (DOGM); Ed Trotter (EOG Resources); Floyd Bartlett (UDWR)

REGIONAL/LOCAL SETTING & TOPOGRAPHY

Proposed immediately west of existing two-track road in bottom of Horse Canyon approximately 3.5 miles north off Book Cliffs Divide Road along canyon bottom, and at the confluence of Horse Canyon and Little Berry Canyon from the west. Main Canyon and Burt Delambert's Ranch is located another mile north where Horse and Main Canyons meet.

SURFACE USE PLAN

CURRENT SURFACE USE: Wildlife and Livestock grazing

PROPOSED SURFACE DISTURBANCE: Upgrade existing road and location measuring 325'x 200' plus reserve pit and additional acreage for spoil stockpile storage.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: Fence Canyon #3; Little Berry State C#1

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: Proposed as gas well with tanks and production equipment on location. Gas pipeline not known at present time but possibly along roadway to north to tie in below Delambert's Ranch and existing pipeline.

SOURCE OF CONSTRUCTION MATERIAL: Native cut and fill.

ANCILLARY FACILITIES: Requested a man camp to drill well for crewmembers on Sitla Lands; they were sent to Ed Bonner.

WASTE MANAGEMENT PLAN:

Submitted to the Division with Application to Drill

ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: Canyon bottom where two meet

FLORA/FAUNA: Sage Brush, oak, Squaw Apple, grass, PJ and other associated plant life native to upper region of Book Cliffs; Deer, elk, moose, coyote, black bear (dens in section, say bear track on road past staking), mountain lion, bobcat, rabbit, birds and smaller rodents and insect life typical of region.

SOIL TYPE AND CHARACTERISTICS: tan to light brown sandy loam with some clay present.

SURFACE FORMATION & CHARACTERISTICS: Green River Formation

EROSION/SEDIMENTATION/STABILITY: minor erosion, some sedimentation, no stability problems anticipated.

PALEONTOLOGICAL POTENTIAL: None observed during onsite visit.

RESERVE PIT

CHARACTERISTICS: Proposed on southwest corner of location in cut and adjacent to prevailing winds measuring 150'x 75'x 12' deep.

LINER REQUIREMENTS (Site Ranking Form attached): 30 points

SURFACE RESTORATION/RECLAMATION PLAN

According to Sitla at time of reclamation or back to original condition. UDWR provided seed mixture for revegetation and requested that sagebrush be piled up with surface soils and mixed back into same when reclamation is done.

SURFACE AGREEMENT: Yes

CULTURAL RESOURCES/ARCHAEOLOGY: Was done by Truesdale and provided to Sitla. Trotter was told he needed to provide a copy of the arch study to DOGM as well.

OTHER OBSERVATIONS/COMMENTS

Washed out access road, running spring utilized by wildlife and stock along Horse Canyon bottom on west side of road, location straddles access into adjacent Little Berry Canyon to west, bear track walking down road on location, bear den from seismic study to north and west of same-same section, Burt Delambert's Ranch located approximately 1.0 miles north at confluence of Horse and Main Canyons.

ATTACHMENTS

Photos of this location were taken and placed on file.

Dennis L. Ingram
DOGM REPRESENTATIVE

June 23, 2003 01:00 PM
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>5</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 containing significant levels of hazardous constituents	15	
	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 30 (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.









06-03 EOG Horse Point 1-4

Casing Schematic

Surface Green River

Surface

9-5/8"
MW 8.8
Frac 19.3
Hole 12 1/4

TOC @ 0.
Surface
325. MD

7"
MW 8.8
Frac 19.3
Hole 8 3/4

Intermediate
4000. MD

4-1/2"
MW 8.8
Hole 6 1/8

TOC @
7368.

7420 Dakota Silt
7500 Dakota
7590 Cedar Mt
7735 Morrison
7891 Salt Wash
8281 Entrada
9043 Chinle

Production
9100. MD

2500' Moderate Saline

3455 Buck Tongue

3650 Castlegate

3900 Mancos

4425 Mancos "R"

5500

Sloughing Shale
potential Deviation

7000

7215 Frontier

w/ 15% Washout

BHP
 $(.052)(8.8)(9100) = 4164$

Anticipate 3900

Gas
 $(.12)(9100) = 1092$

MASP = 3072

Gas
 $(0.22)(9100) = 2002$

MASP = 2162

BOPE = 3,000 proposed

w/ rotating head

~~Stip SA~~

3M BOPE Adequate
DWD 7/18/03

✓ Stip - TOC ± 7000
above frontier

Well name:	06-03 EOG Horse Point 1-34	
Operator:	EOG	Project ID:
String type:	Surface	43-019-31397
Location:	Grand County	

Design parameters:

Collapse
Mud weight: 8.800 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 2,594 psi
Internal gradient: 0.074 psi/ft
Calculated BHP: 2,618 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor: 1.125

Burst:
Design factor: 1.00

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

Tension is based on air weight.
Neutral point: 283 ft

Environment:

H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 70 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 220 ft

Cement top: Surface

Non-directional string.

Re subsequent strings:

Next setting depth: 9,200 ft
Next mud weight: 8.500 ppg
Next setting BHP: 4,062 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 2,800 ft
Injection pressure: 2,800 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)	Internal Capacity (ft³)
1	325	9.625	36.00	J-55	ST&C	325	325	8.796	23.1
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	149	2020	13.596	2618	3520	1.34	12	394	33.68 J

Prepared by: Clinton Dworshak
Utah Div. of Oil & Mining

Date: June 30, 2003
Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.
Collapse is based on a vertical depth of 325 ft, a mud weight of 8.8 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:	06-03 EOG Horse Point 1-34	
Operator:	EOG	Project ID:
String type:	Intermediate	43-019-31397
Location:	Grand County	

Design parameters:

Collapse

Mud weight: 8.800 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: 65 °F
 Bottom hole temperature: 121 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 250 ft

Cement top: Surface

Burst

Max anticipated surface pressure: 2,958 psi
 Internal gradient: 0.120 psi/ft
 Calculated BHP 3,438 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: 1.50 (B)

Tension is based on air weight.
 Neutral point: 3,471 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 9,200 ft
 Next mud weight: 8.500 ppg
 Next setting BHP: 4,062 psi
 Fracture mud wt: 19.250 ppg
 Fracture depth: 4,000 ft
 Injection pressure 4,000 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)	Internal Capacity (ft ³)
1	4000	7	23.00	J-55	LT&C	4000	4000	6.25	184.9
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	1828	3270	1.788	3438	4360	1.27	92	313	3.40 J

Prepared by: Clinton Dworshak
 Utah Div. of Oil & Mining

Date: June 30, 2003
 Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.
 Collapse is based on a vertical depth of 4000 ft, a mud weight of 8.8 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:

06-03 EOG Horse Point 1-34

Operator: **EOG**

String type: **Production**

Project ID:

43-019-31397

Location: **Grand County**

Design parameters:

Collapse

Mud weight: 8.800 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: 65 °F
Bottom hole temperature: 192 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 220 ft

Cement top: 7,368 ft

Burst

Max anticipated surface pressure: 189 psi
Internal gradient: 0.436 psi/ft
Calculated BHP 4,160 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: 1.50 (B)

Non-directional string.

Tension is based on air weight.
Neutral point: 7,903 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)	Internal Capacity (ft ³)
1	9100 ✓	4.5 ✓	11.60 ✓	N-80 ✓	LT&C ✓	9100	9100	3.875	210.9
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	4160	6350	1.526	4160	7780	1.87 ✓	106	223	2.11 J ✓

Prepared by: Clinton Dworshak
Utah Div. of Oil & Mining

Date: July 7, 2003
Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.
Collapse is based on a vertical depth of 9100 ft, a mud weight of 8.8 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.

AREA CODE 303
PHONE 220-7772

FAX
220-7773

National Fuel Corporation

7720 EAST BELLEVIEW AVENUE, #B-300
ENGLEWOOD, COLORADO 80111



June 18, 2003

Ms. Diana Mason
Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Salt Lake City, UT 84114-5801

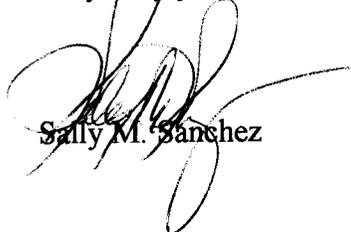
**RE: Horse Point 1-34 Well
Horse Point Area
Grand County, Utah**

Dear Ms. Mason:

In the above matter, attached is an *original* copy of the Letter Agreement dated June 13, 2003, which has been executed Ms. Diane Thompson, President of National Fuel Corporation.

Please feel free to contact the undersigned should you have any questions or require anything further.

Very truly yours,

A handwritten signature in black ink, appearing to read 'Sally M. Sanchez', is written over a printed name.

Sally M. Sanchez

/ss

cc: R.G. Davis, CPL
EOG Resources

Enclosures

RECEIVED

JUL 07 2003

DIV. OF OIL, GAS & MINING

From: Ed Bonner
To: Mason, Diana
Date: 7/10/03 11:53AM
Subject: Well Clearances

The following wells have been given cultural resource clearance by the Trust Lands Cultural Resources Group:

EOG Resources
Horse Point 1-34
Horse Point 4-32

Royale Energy
Moon Canyon 32-1

ConocoPhillips
Utah 05-224d
Utah 03-647
Utah 03-648
Utah 10-649

If you have any questions please give me a call.

CC: Baza, John; Garrison, LaVonne; Hill, Brad; Hunt, Gil



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

Michael O. Leavitt
Governor

Kathleen Clarke
Executive Director

Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

July 10, 2003

EOG Resources, Inc.
P O Box 1910
Vernal, UT 84078

Re: Horse Point 1-34 Well, 2140' FSL, 1760' FEL, NW SE, Sec. 34, T. 15 1/2 South,
R. 23 East, Grand 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.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby 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 43-019-31397.

Sincerely,

A handwritten signature in black ink that reads "John R. Baza".

John R. Baza
Associate Director

pab
Enclosures

cc: Grand County Assessor
SITLA

Operator: EOG Resources, Inc.
Well Name & Number Horse Point 1-34
API Number: 43-019-31397
Lease: ML 46108

Location: NW SE Sec. 34 T. 15 1/2 South R. 23 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. 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.
7. Production casing cement shall be brought above the top of the Frontier Formation ($\pm 7000'$).

DIVISION OF OIL, GAS AND MINING**SPUDDING INFORMATION**Name of Company: EOG RESOURCES INCWell Name: HORSE POINT 1-34Api No: 43-019-31397 Lease Type: STATESection 34 Township 15.5S Range 23E County GRANDDrilling Contractor CRAIG'S ROUST-ABOUT SERVICES RIG # AIR**SPUDDED:**Date 07/16/03Time 1:00 PMHow ROTARY**Drilling will commence:** _____Reported by ED TROTTERTelephone # 1-435-789-4120Date 07/17/2003 Signed: CHD



REVISED DRILLING PROGRAM II

HORSE POINT STATE 1-34

SURFACE LOCATION

1491' FSL, 1120' FEL (NE/SE), Sec 34, T15.5S, R23E

Latitude 39.456164, Longitude 109.360542

Grand County, Utah

API# 43-019-31397

July 18, 2003

SURFACE HOLE (0-150' Below GL)

(Hole drilled and casing pre-set w/spud rig using air)

Hole Size: 17-1/2" (Drilled to 150' or suitable casing seat, whichever depth is deeper)

Casing: 13-3/8", 48.0#, H-40, STC (Or higher grade / weight as available with minimum 12.250" Drift)

Cement:

Lead: 220 sx. (140% excess volume) Class 'G' cement (150-0' coverage) with 2% S1 (CaCl₂) & 0.25 pps D29 (cellophane flakes), mixed at 15.8 ppg, 1.15 cu. ft./sk., 4.95 gps water.

Top Out: Top out with Class 'G' cement with 2% S1 (CaCl₂) in mix water, 15.8 ppg, 1.15 cu. ft./sk., 4.95 gps via 1" tubing set at 25' if needed.

INTERMEDIATE HOLE (150-1000')

(Hole drilled with rotary tools)

BOPE: 13 5/8", 3M#, Annular BOP used as a diverter system and gas buster/flareline as blooie line. (Function test only prior to drill-out below surface casing)

Hole Size: 12-1/4" (Drilled to 1000' KB or 200' into Wasatch, whichever depth is deeper)

Mud: Water (circulate through reserve pit) with Gel/LCM sweeps.

Casing: 9-5/8", 36#, J55, STC

INTERMEDIATE HOLE (150-1000')

(Cont'd)

Cement:

Lead: 400 sx. (100% excess volume) Class 'G' cement (1000-0' coverage) with 10% D53 (Gypsum), 2% S1 (CaCl₂) & 0.25 pps D29 (Cellophane flakes) mixed at 14.2 ppg, 1.61 ft³/sk., 7.9 gps water.

Top Out: Top out with Class 'G' cement with 2% S1 (CaCl₂) in mix water, 15.8 ppg, 1.15 cu. ft./sk., 4.95 gps via 1" tubing if needed.

PRODUCTION HOLE (1000'-TD)

BOPE: Minimum 11", 3000 psi double gate with 1 set of pipe and 1 set of blind rams, an annular BOP.

Hole Size: 7 7/8"

Mud: Diammonium Phosphate (DAP). (8.4-9.2 ppg weight, vis as hole conditions require, water loss: NC-20 cc's).

Casing: 4 1/2", 11.6#, N80, LTC

Cement:

Lead: Class 'G' cement (6700-2000' coverage) with 5% D44 (Salt), 12% D20 (Bentonite), 1% D79% (Extender), 0.25% D112 (Fluid Loss Additive), 0.2% D46 (Anti-Foamer) & 0.25 pps D29 (Cellophane flakes) mixed at 11.0 ppg, 3.91 ft³/sk., 24.5 gps water.

Tail: 50:50 Poz G cement (TD-6700' coverage) with 2% D20 (Bentonite), 2% D174 (Extender), 0.25% D65 (Dispersant), 0.5% D167 (Fluid Loss Additive), 0.15% D13 (Retarder) mixed at 14.2 ppg, 1.29 ft³/sx, 5.83 gps water.

 Production hole cement volumes to be determined using openhole log caliper volume plus 10% excess, or gauge volume plus 30 % excess in the absence of an openhole caliper. A stage tool will be used if deemed necessary to insure cement coverage to a depth of 2000'.

Casing Schematic

Surface Green River

Surface

13-3/8"
MW 8.4
Frac 19.3

9-5/8"
MW 8.4
Frac 19.3

TOC @ 0.
TOC @ Surface
150. MD

w/ 15% washout

Intermediate
1000. MD

TOC @
2003.

2500 Moderate Saline

3455 Buck Tongue

3650 Castle Gate

3900 Mancos

4425 Mancos "B"

7215 Frontier

w/ 15% washout

4-1/2"
MW 9.2

Production
9100. MD

BHP

$(0.052)(9.2)(9100) = 4353$

Anticipate 3900

Gas

$(6.12)(9100) = 1092$

MAASP = 3261

BOPE = 3M proposed
w/ rotating head

Well name:	06-03 EOG Horse Point 1-34	
Operator:	EOG	Project ID:
String type:	Intermediate	43-019-31397
Location:	Grand County	

Design parameters:	Minimum design factors:	Environment:
<u>Collapse</u>	<u>Collapse:</u>	H2S considered? No
Mud weight: 8.400 ppg	Design factor 1.125	Surface temperature: 65 °F
Design is based on evacuated pipe.		Bottom hole temperature: 79 °F
		Temperature gradient: 1.40 °F/100ft
		Minimum section length: 250 ft
	<u>Burst:</u>	Cement top: 0 ft
	Design factor 1.00	
<u>Burst</u>		Non-directional string.
Max anticipated surface pressure: 2,958 psi	<u>Tension:</u>	
Internal gradient: 0.120 psi/ft	8 Round STC: 1.80 (J)	
Calculated BHP 3,078 psi	8 Round LTC: 1.80 (J)	
No backup mud specified.	Buttress: 1.60 (J)	
	Premium: 1.50 (J)	
	Body yield: 1.50 (B)	
	Tension is based on air weight.	Re subsequent strings:
	Neutral point: 876 ft	Next setting depth: 9,200 ft
		Next mud weight: 8.500 ppg
		Next setting BHP: 4,062 psi
		Fracture mud wt: 19.250 ppg
		Fracture depth: 4,000 ft
		Injection pressure 4,000 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)	Internal Capacity (ft³)
1	1000	9.625	36.00	J-55	ST&C	1000	1000	8.796	71.2

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	436	2020	4.629	3078	3520	1.14	36	394	10.94 J

Prepared by: Clinton Dworshak
Utah Div. of Oil & Mining

Date: July 18, 2003
Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.
Collapse is based on a vertical depth of 1000 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:	06-03 EOG Horse Point 1-34	
Operator:	EOG	Project ID:
String type:	Production	43-019-31397
Location:	Grand County	

Design parameters:

Collapse
Mud weight: 9.200 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 378 psi
Internal gradient: 0.436 psi/ft
Calculated BHP: 4,349 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor: 1.125

Burst:
Design factor: 1.00

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

Tension is based on air weight.
Neutral point: 7,849 ft

Environment:

H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 192 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 220 ft

Cement top: 2,003 ft

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	9100	4.5	11.60	N-80	LT&C	9100	9100	3.875	210.9
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	4349	6350	1.460	4349	7780	1.79	106	223	2.11 J

Prepared by: Clinton Dworshak
Utah Div. of Oil & Mining

Date: July 18, 2003
Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.
Collapse is based on a vertical depth of 9100 ft, a mud weight of 9.2 ppg The casing is considered to be evacuated for collapse purposes.
Burst strength is not adjusted for tension.

06-03 EOG Horse Point 1-94

Casing Schematic

Surface Green River

Surface

9-5/8"
MW 8.8
Frac 19.3
Hole 12 1/4

TOC @ 0.
TOC @ 0.
Surface
325. MD

3HP
 $(.050)(8.8)(9100) = 4164$

Anticipate 3900

Gas
 $(.12)(9100) = 1092$

MASP = 3072

$(0.22)(9100) = 2002$
MASP = 2162

BOPE = 3,000 proposed

w/ rotating head

~~Stip SA~~

3M BOPE Adequate
DWD 7/13/03

7"
MW 8.8
Frac 19.3
Hole 8 3/4

4-1/2"
MW 8.8
Hole 6 1/8

- 2500' Moderate Salina
- 3455' Buck Tongue
- 3650' Postb. g. c.
- 3900' Mancos
- Intermediate
4000. MD
- 4425' Mancos "R"
- 5500
- Sloughing shale
potential Deviation
- 7000
- 7215' Frontier
- TOC @ 7368.
- 7420' Dakota Silt
- 7500' Dakota
- 7540' Cedar Mt.
- 7735' Morrison
- 7891' Salt Wash
- 8281' Entrada
- 9043' Chinle

Production
9100. MD

w/ 15% Washout

Stip - TOC ± 7000
above frontier

Well name:
 Operator: **EOG**
 String type: Surface
 Location: Grand County

06-03 EOG Horse Point 1-34

Project ID:
 43-019-31397

Design parameters:

Collapse

Mud weight: 8.800 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: 65 °F
 Bottom hole temperature: 70 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 220 ft

Cement top: Surface

Burst

Max anticipated surface pressure: 2,594 psi
 Internal gradient: 0.074 psi/ft
 Calculated BHP 2,618 psi

No backup mud specified.

Tension:

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

Tension is based on air weight.
 Neutral point: 283 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 9,200 ft
 Next mud weight: 8.500 ppg
 Next setting BHP: 4,062 psi
 Fracture mud wt: 19.250 ppg
 Fracture depth: 2,800 ft
 Injection pressure 2,800 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)	Internal Capacity (ft³)
1	325	9.625	36.00	J-55	ST&C	325	325	8.796	23.1
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	149	2020	13.596	2618	3520	1.34	12	394	33.68 J

Prepared by: Clinton Dworshak
 Utah Div. of Oil & Mining

Date: June 30, 2003
 Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.
 Collapse is based on a vertical depth of 325 ft, a mud weight of 8.8 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:

06-03 EOG Horse Point 1-34

Operator: **EOG**

String type: Intermediate

Project ID:

43-019-31397

Location: Grand County

Design parameters:

Collapse

Mud weight: 8.800 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: 65 °F
Bottom hole temperature: 121 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 250 ft

Cement top: Surface

Burst

Max anticipated surface pressure: 2,958 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 3,438 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: 1.50 (B)

Tension is based on air weight.
Neutral point: 3,471 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 9,200 ft
Next mud weight: 8.500 ppg
Next setting BHP: 4,062 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 4,000 ft
Injection pressure 4,000 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)	Internal Capacity (ft³)
1	4000	7	23.00	J-55	LT&C	4000	4000	6.25	184.9
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	1828	3270	1.788	3438	4360	1.27	92	313	3.40 J

Prepared by: Clinton Dworshak
Utah Div. of Oil & Mining

Date: June 30, 2003
Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 4000 ft, a mud weight of 8.8 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:	06-03 EOG Horse Point 1-34	
Operator:	EOG	Project ID:
String type:	Production	43-019-31397
Location:	Grand County	

Design parameters:

Collapse
Mud weight: 8.800 ppg
Design is based on evacuated pipe.

Minimum design factors:

Collapse:
Design factor 1.125

Environment:

H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 192 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 220 ft

Burst

Max anticipated surface pressure: 189 psi
Internal gradient: 0.436 psi/ft
Calculated BHP 4,160 psi

Burst:

Design factor 1.00

Cement top: 7,368 ft

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: 1.50 (B)

Non-directional string.

Tension is based on air weight.
Neutral point: 7,903 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)	Internal Capacity (ft³)
1	9100	4.5	11.60	N-80	LT&C	9100	9100	3.875	210.9
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	4160	6350	1.526	4160	7780	1.87	106	223	2.11 J

Prepared by: Clinton Dworshak
Utah Div. of Oil & Mining

Date: July 7, 2003
Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.
Collapse is based on a vertical depth of 9100 ft, a mud weight of 8.8 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.

Return-path: <edtrotter@easilink.com>
Received: from a34-mta02.direcway.com
(a34-mta02.direcpc.com [66.82.4.91])
by UTSTDP13.state.ut.us; Wed, 02 Jul 2003 14:21:07 -0600
Received: from trotterfj20raw (dpc6682048001.direcpc.com [66.82.48.1])
by a34-mta02.direcway.com
(iPlanet Messaging Server 5.2 HotFix 1.12 (built Feb 13 2003))
with SMTP id <0HHE002SMR9XQR@a34-mta02.direcway.com> for
clintondworshak@utah.gov; Wed, 02 Jul 2003 13:30:04 -0400 (EDT)
Date: Wed, 02 Jul 2003 11:30:23 -0600
From: Ed Trotter <edtrotter@easilink.com>
Subject: Fw: Fw: APD
To: Clinton Dworshak <clintondworshak@utah.gov>
Message-id: <00f01c340bf\$a1d9c2c0\$c5105a0a@trotterfj20raw>
MIME-version: 1.0
X-MIMEOLE: Produced By Microsoft MimeOLE V6.00.2727.1300
X-Mailer: Microsoft Outlook Express 6.00.2720.3000
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 8BIT
X-Priority: 3
X-MSMail-priority: Normal

Clinton,
I hope this will answer all your questions. If not please contact me at
435-789-4120.

Thank you,
Ed

----- Original Message -----

From: <John_Rushing@eogresources.com>
To: "Ed Trotter" <edtrotter@easilink.com>
Sent: Wednesday, July 02, 2003 9:11 AM
Subject: Re: Fw: APD

Mr. Trotter:

Please find below the information requested for your review and forwarding
to Mr. Dworshak for APD approvals.

1. Horse Point 1-34
> Production String Program - Number of sacks of cement proposing to
use.

215 sks: 50:50 Poz: Class "G" + 2% D174 + 0.25 D65 + 0.5% D167 +
0.15% D13,
mixed at 14.2 ppg, 1.29 ft³/sk, 5.82 gps water.

2. Chapita Wells 649-2
> Production String Program - Lead & Tail - Number of sacks of cement
proposing to use.

Lead:

009

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

OPERATOR: EOG Resources, Inc.
ADDRESS: P.O. BOX 250
BIG PINEY, WYOMING 83113

OPERATOR ACCT. NO. 9550
FAX: EARLENE RUSSELL
(801) 359-3940

ENTITY ACTION FORM - FORM 6

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	LOCATION				COUNTY	SPUD DATE	EFFECTIVE DATE
					QQ	SEC.	TP	RG			
A	99999	13845	43- ^{P19} 31397	HORSE POINT 1-34	NW/SE	34	15	23	GRAND	7/16/2003	7/31/03
<i>ENRD</i>											
A	99999	13846	43-047-34105	NORTH DUCK CREEK 109-27	NW/SW	27	8S	21E	UINTAH	7/3/2003	7/31/03
CONFIDENTIAL											
<i>GRW WSTC</i>											

ACTIONS CODES (See instructions on back of form)

- 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)

NOTE: Use COMMENT section to explain why each Action Code was selected.

Kate Carlson

 Signature
 Regulatory Analyst
 Title

7/30/2003

 Date

Phone No. (307) 276-4842

RECEIVED

JUL 31 2003

DIV. OF OIL, GAS & MINING

(3/89)

F-612 P.01/01 T-438

3072763335

From-EOG - BIG PINEY, WY.

Jul-31-03 07:27am

2

2

908

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:

ST ML 46108

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

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 GAS WELL OTHER _____

8. WELL NAME and NUMBER:

HORSE POINT 1-34

2. NAME OF OPERATOR:
EOG RESOURCES, INC.

9. API NUMBER:

PENDING 43-019-31397

3. ADDRESS OF OPERATOR:
P.O. BOX 1910 CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER:
(435) 789-4120

10. FIELD AND POOL, OR WILDCAT:

NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2140' FSL, 1760 FEL

COUNTY: GRAND

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSE 34 15 23E 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: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<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 checked="" 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"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<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.

EOG Resources Inc. seeks approval of the attached changes to the drilling program of the above-described well.

RECEIVED
JUL 25 2003
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Ed Trotter

TITLE Agent

SIGNATURE *Ed Trotter*

DATE 7/18/2003

(This space for State use only)

EIGHT POINT PLAN

HORSE POINT 1-34
NW/SE, SEC. 34, T15 1/2S, R23E, S.L.B.&M.
GRAND COUNTY, UTAH

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

FORMATION	DEPTH (KB)
Buck Tongue	3455'
Castlegate	3650'
Mancos	3900'
Mancos 'B'	4425'
Frontier	7215'
Dakota Silt	7420'
Dakota	7500'
Cedar Mountain	7590'
Morrison	7735'
Salt Wash	7891'
Entrada	8281'
Chinle	9043'

EST. TD: 9100

Anticipated BHP 3900 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>RATING FACTOR</u>		
							<u>COLLAPSE</u>	<u>BURST</u>	<u>TENSILE</u>
17 1/2"	0' - 150' +/- KB	150' +/-	13 3/8"	48.0 #	H-40	ST&C	770 PSI	1730 PSI	322,000#
12 1/4"	150' - 1000' +/--KB	1000 +/-	9 5/8"	36.0 #	J-55	STC	2020 PSI	3520 PSI	394,000#
7 7/8"	1000' - TD +/--KB	9100' +/-	4 1/2"	11.6 #	N-80	LTC	6350 PSI	7780 PSI	223,000#

All casing will be new or inspected.

5. Float Equipment:

Surface Hole Procedure (0-150' Below GL):

Guide Shoe

Centralizers: 1 – bow-spring 5-10' above shoe, then collar of joints #2, and #3. (3 total). Have bottom of collars on joints #1 and #2 tack-welded. Thread lock guide shoe and tops of joints #1 and #2.

Intermediate Hole Procedure (150'-1000'):

Float Shoe

Insert Flapper Valve

Centralizers: 1 bow-spring 5' above shoe, top of #2 and #3 collars, then every 6th joint for 7 collars (10 total centralizers).

Have bottom of collars on joint 1 and 2 tack-welded. Thread-lock float shoe and tops of joints #1 and #2.

EIGHT POINT PLAN

HORSE POINT 1-34
NW/SE, SEC. 34, T15 1/2S, R23E, S.L.B.&M.
GRAND COUNTY, UTAH

Float Equipment(Continued):

Production Hole Procedure (1000'-TD):

FS, 1 joint of casing, FC, and balance of casing to surface. Run marker collar $\pm 7000'$. Centralize 5' above shoe on joint #1, top of joint #2, then every 2nd joint to 6700' (15 total).

6. MUD PROGRAM

Surface Hole Procedure (0-150' below GL):

Air – Air Water Mist

Intermediate Hole Procedure (150-1000'):

Water (circulate through reserve pit) with Gel/LCM sweeps.

Production Hole Procedure (1000'-TD):

Diammonium Phosphate (DAP). (8.4-9.2 ppg weight, vis as hole conditions require, water loss: NC-20 cc's).

7. VARIANCE REQUESTS:

- A. EOG Resources, Inc. requests a variance to regulations requiring a straight run blooie line (Where possible, a straight run blooie line will be used).
- B. EOG Resources, Inc. requests a variance to regulations requiring an automatic ignitor or continuous pilot light on the blooie line. (Not required on aerated water system).
- B. EOG Resources, 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.

8. EVALUATION PROGRAM:

Logs: Schlumberger Platform Express from TD to base of intermediate casing.

9. CEMENT PROGRAM:

Surface Hole Procedure (0-150' Below GL)

Lead: 220 sx. (140% excess volume) Class 'G' cement (150-0' coverage) with 2% S1 (CaCl₂) & 0.25 pps D29 (cellophane flakes), mixed at 15.8 ppg, 1.15 cu. ft./sk., 4.95 gps water.

Top Out: Top out with Class 'G' cement with 2% S1 (CaCl₂) in mix water, 15.8 ppg, 1.15 cu. ft./sk., 4.95 gps via 1" tubing set at 25' if needed.

EIGHT POINT PLAN

HORSE POINT 1-34 NW/SE, SEC. 34, T15 1/2S, R23E, S.L.B.&M. GRAND COUNTY, UTAH

CEMENT PROGRAM (Continued): Intermediate Hole Procedure (150'-1000')

Lead: 400 sx. (100% excess volume) Class 'G' cement (1000-0' coverage) with 10% D53 (Gypsum), 2% S1 (CaCl₂) & 0.25 pps D29 (Cellophane flakes) mixed at 14.2 ppg, 1.61 ft³/sk., 7.9 gps water.

Top Out: Top out with Class 'G' cement with 2% S1 (CaCl₂) in mix water, 15.8 ppg, 1.15 cu. ft./sk., 4.95 gps via 1" tubing if needed.

Production Hole Procedure (1000' to TD)

Lead: Class 'G' cement (6700-2000' coverage) with 5% D44 (Salt), 12% D20 (Bentonite), 1% D79% (Extender), 0.25% D112 (Fluid Loss Additive), 0.2% D46 (Anti-Foamer) & 0.25 pps D29 (Cellophane flakes) mixed at 11.0 ppg, 3.91 ft³/sk., 24.5 gps water.

Tail: 50:50 Poz G cement (TD-6700' coverage) with 2% D20 (Bentonite), 2% D174 (Extender), 0.25% D65 (Dispersant), 0.5% D167 (Fluid Loss Additive), 0.15% D13 (Retarder) mixed at 14.2 ppg, 1.29 ft³/sx, 5.83 gps water.

10. ABNORMAL CONDITIONS:

SURFACE HOLE PROCEDURE (0-150')

Potential Problems: Rubblized/graveled, sloughing rock and surface water.

INTERMEDIATE HOLE PROCEDURE (150-1000')

Potential Problems: Offset well information indicates water zones anywhere below 1100'. Sloughing formation throughout intermediate hole and keyseat development in upper portion of intermediate hole. Lost circulation is possible if the hole needs to be mudded up or while cementing surface casing.

PRODUCTION HOLE (1000'-TD)

Potential Problems: Sloughing shale and keyseat development is possible in the upper hole below the intermediate casing seat. Deviation up to 14° inclination and related excessive dogleg severity is possible from 5500-7000'.

11. STANDARD REQUIRED EQUIPMENT:

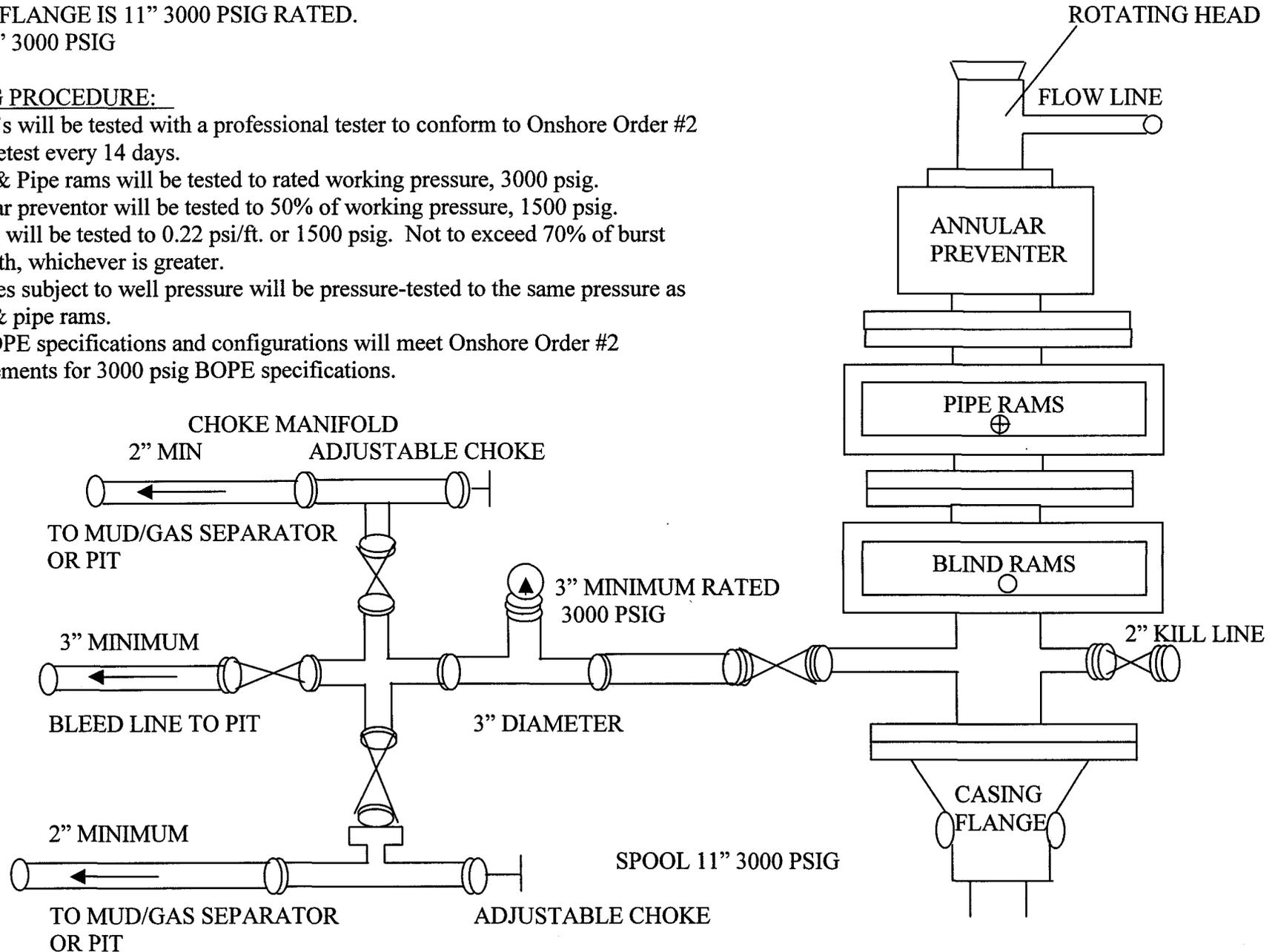
- A. Choke Manifold
- B. Kelly Cock
- C. Stabbing Valve
- D. Visual Mud Monitoring

3000 PSIG DIAGRAM

ANNULAR PREVENTOR AND BOTH RAMS ARE 3000 PSIG RATED.
CASING FLANGE IS 11" 3000 PSIG RATED.
BOPE 11" 3000 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, 3000 psig.
3. Annular preventor will be tested to 50% of working pressure, 1500 psig.
4. Casing will be tested to 0.22 psi/ft. or 1500 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 3000 psig BOPE specifications.



EIGHT POINT PLAN

HORSE POINT 1-34
NW/SE, SEC. 34, T15 1/2S, R23E, S.L.B.&M.
GRAND COUNTY, UTAH

12. 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)

STATE OF UTAH
DIVISION OF OIL, GAS & MINING

SUNDRY NOTICES AND REPORTS OF WELLS

Do not use this form for proposals to drill new wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals

5. Lease Designation and Serial Number: ST ML 46108		
6. If Indian, Allottee or Tribe Name:		
7. Unit Agreement Name:		
8. Well Name and Number: HORSE POINT 1-34		
1. Type of Well: <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Gas <input type="checkbox"/> Other		9. API Well Number: 43-019-31397
2. Name of Operator: ENRON OIL & GAS COMPANY		10. Field and Pool, or Wildcat: HORSE POINT
3. Address and Telephone Number: P.O. BOX 250 (307) 276-3331 BIG PINEY, WYOMING 83113		
4. Location of Well	County: GRAND	State: UTAH
Footage's: 2140' FSL - 1760' FEL (NW/SE)		
QQ, Sec., T., R., M.,: SECTION 34, T15.5E, R23S		

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

NOTICE OF INTENT (Submit in Duplicate)		SUBSEQUENT REPORT (Submit Original Form Only)	
<input type="checkbox"/> Abandonment	<input type="checkbox"/> New Construction	<input type="checkbox"/> Abandonment	<input type="checkbox"/> New Construction
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing
<input type="checkbox"/> Change of Plans (Gas)	<input type="checkbox"/> Recompletion	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Snoot or Acidize
<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Snoot or Acidize	<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Vent or Flare
<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off	<input checked="" type="checkbox"/> Other	SPUD
<input type="checkbox"/> Other			
Approximate date work will start _____		Date of work completion _____	

COMPLETIONS OR RECOMPLETIONS AND LOG form 8
* Must be accompanied by a cement verification report.

12. Describe proposed or completed operations (Clearly state all 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.)

EOG Resources, Inc. spud 17-1/4" surface hole at the subject location 7/16/2003. The contractor was Craig Air Rig. Carol Daniels of the Utah Division of Oil, Gas & Mining was notified of spud 7/16/2003.

13. Name & Signature: *Gaty Carlson* Title: **Regulatory Analyst** Date: **7/31/2003**

RECEIVED

AUG 04 2003

011

Schlumberger

Cementing Service Report

WITNESS Production Center of Dustin 2th of 2th overnight

Customer EOG RESOURCES, INC.						Job Number 2206744095				
Well Horse Point State 1-34			Location (legal) Sec 34 T15S R23E			Schlumberger Location Vernal, UT			Job Start	
Field WildCat		Formation Name/Type Chinle			Deviation °	Bit Size 7.88 in	Well MD 9,099 ft	Well TVD 9,099 ft		
County Grand		State/Province Utah			BHP psi	BHST 194 °F	BHCT 155 °F	Pore Press. Gradient psi/ft		
Well Master: 0630512871		API / UWI:			Casing/Liner					
Rig Name Key Well Service 942		Drilled For Gas		Service Via Land		Depth, ft 9100	Size, in 4.5	Weight, lb/ft 11.6	Grade N80	Thread 8RD
Offshore Zone		Well Class New	Well Type Development			1200	9.63	36	K55	8RD
Drilling Fluid Type		Max. Density lb/gal	Plastic Vt: cp		Depth,	Size, in	Weight, lb/ft	Grade	Thread	
Service Line Cementing		Job Type Cem Prod Casing				Perforations/Open Hole				
Max. Allowed Tubing Pressure 3000 psi		Max. Allowed Ann. Pressure psi		WellHead Connection Single cement head		Top, ft	Bottom, ft	spf	No. of Shots	Total Interval ft
Service Instructions Cement 9098' 4.5 11.6 In Two Stages. 1st Lead= 550 Sks 50/50 Poz G + Add@ 14.1 PPG Displace As Per Co. Rep Inst. 4 Hrs Between Stages. 2nd Stage Lead 400 Sks Hillift + Add@ 11.0 PPG. 100 Sks Tail G + 0.15% D013. @ 15.8 PPG Displace As Co Rep Inst.						Diameter in	Treat Down Casing	Displacement 140 bbl	Packer Type	Packer Depth ft
Casing/Tubing Secured <input checked="" type="checkbox"/> 1 Hole Volume Circulated prior to Cementing <input checked="" type="checkbox"/>						Casing Tools		Squeeze Job		
LIR Pressure: 990 psi						Shoe Type: Guide		Squeeze Type		
Pipe Rotated <input type="checkbox"/> Pipe Reciprocated <input type="checkbox"/>						Shoe Depth: 9098 ft		Tool Type:		
No. Centralizers: 2 Top Plugs: Bottom Plugs:						Stage Tool Type: Collar		Tool Depth: ft		
Cement Head Type: Single						Stage Tool Depth: 6726 ft		Tail Pipe Size: in		
Job Scheduled For: Arrived on Location:						Collar Type: Float		Tail Pipe Depth: ft		
						Collar Depth: 9053 ft		Sqz Total Vol: bbl		
Date	Time	Treating Pressure 24 hr clock psi	CMT RATE bbl/min	CMT VOL bbl	CMT DENS lb/gal	0	0	0	Message	
2003-Aug-27	0:36	-60	0.2	0.0	8.24	0	0	0	Hold Safety Meeting	
2003-Aug-27	0:52								Start Job	
2003-Aug-27	0:52	0	0.0	0.0	7.44	0	0	0		
2003-Aug-27	0:55								Pressure Test Lines	
2003-Aug-27	0:55	4317	0.0	0.0	7.38	0	0	0		
2003-Aug-27	0:55	3987	0.0	0.0	7.38	0	0	0		
2003-Aug-27	0:56	82	0.0	0.0	7.21	0	0	0		
2003-Aug-27	0:57	343	1.9	0.1	7.37	0	0	0		
2003-Aug-27	0:57								Start Pumping Wash	
2003-Aug-27	0:57	513	3.9	2.6	7.96	0	0	0		
2003-Aug-27	0:58	504	3.9	6.5	8.25	0	0	0		
2003-Aug-27	0:59	385	3.9	10.4	8.25	0	0	0		
2003-Aug-27	1:00	499	3.9	14.3	8.25	0	0	0		
2003-Aug-27	1:01	563	3.9	18.2	8.29	0	0	0		
2003-Aug-27	1:02								End Wash	
2003-Aug-27	1:02	462	3.9	20.4	8.25	0	0	0		
2003-Aug-27	1:02								Start Pumping Water	
2003-Aug-27	1:02	471	3.9	0.2	8.27	0	0	0		
2003-Aug-27	1:02	471	3.9	1.5	8.27	0	0	0		
2003-Aug-27	1:03	421	2.5	5.1	12.90	0	0	0		
2003-Aug-27	1:04								End Water	
2003-Aug-27	1:04	581	2.7	6.1	13.70	0	0	0		

Well		Field		Service Date		Customer			Job Number
Horse Point State #1-34		WildCat				EOG RESOURCES, INC.			2206744095
Date	Time	Treating Pressure	CMT RATE	CMT VOL	CMT DENS	0	0	0	Message
	24 hr clock	psi	bb/min	bbbl	lb/gal	0	0	0	
2003-Aug-27	1:04	769	3.9	0.3	13.78	0	0	0	
2003-Aug-27	1:04								Start Cement Slurry
2003-Aug-27	1:04	723	3.9	2.1	14.06	0	0	0	
2003-Aug-27	1:05	682	3.9	6.1	14.30	0	0	0	
2003-Aug-27	1:06	600	3.9	10.0	14.20	0	0	0	check Density 14.2 ppg
2003-Aug-27	1:07	540	3.9	13.9	14.27	0	0	0	
2003-Aug-27	1:08	490	3.9	17.8	14.37	0	0	0	
2003-Aug-27	1:09	430	6.6	22.2	14.27	0	0	0	
2003-Aug-27	1:10	417	6.6	28.8	14.30	0	0	0	
2003-Aug-27	1:11	398	6.6	35.5	14.27	0	0	0	
2003-Aug-27	1:12	517	7.8	42.6	14.18	0	0	0	
2003-Aug-27	1:13	407	6.6	49.5	14.26	0	0	0	
2003-Aug-27	1:14	398	6.6	56.1	14.17	0	0	0	
2003-Aug-27	1:15	394	6.6	62.7	14.18	0	0	0	
2003-Aug-27	1:16	536	7.8	69.6	14.20	0	0	0	
2003-Aug-27	1:17	394	6.6	76.6	14.19	0	0	0	
2003-Aug-27	1:18	385	6.6	83.2	14.12	0	0	0	Check Density 14.1 ppg
2003-Aug-27	1:19	389	6.6	89.8	14.15	0	0	0	
2003-Aug-27	1:20	389	6.6	96.4	14.07	0	0	0	
2003-Aug-27	1:21								End Cement Slurry
2003-Aug-27	1:21	5	0.3	99.4	13.61	0	0	0	
2003-Aug-27	1:21	0	0.0	0.0	13.50	0	0	0	
2003-Aug-27	1:21	5	0.0	0.0	13.49	0	0	0	
2003-Aug-27	1:21								Drop Dart
2003-Aug-27	1:22	5	0.0	0.0	11.74	0	0	0	
2003-Aug-27	1:23								Start Displacement
2003-Aug-27	1:23	929	6.3	0.2	11.76	0	0	0	
2003-Aug-27	1:23	609	7.2	0.3	11.76	0	0	0	
2003-Aug-27	1:23	211	4.4	0.4	11.77	0	0	0	
2003-Aug-27	1:23								Start Pumping Water
2003-Aug-27	1:24	334	5.1	4.5	9.43	0	0	0	
2003-Aug-27	1:25	23	2.1	8.3	8.30	0	0	0	
2003-Aug-27	1:25								End Water
2003-Aug-27	1:25								Start Pumping Mud
2003-Aug-27	1:25	37	2.1	8.3	8.31	0	0	0	
2003-Aug-27	1:25	110	3.0	8.6	8.43	0	0	0	
2003-Aug-27	1:26	-5	0.0	10.1	7.43	0	0	0	
2003-Aug-27	1:27	133	6.6	14.4	8.41	0	0	0	
2003-Aug-27	1:28	137	6.6	21.0	8.39	0	0	0	
2003-Aug-27	1:29	114	6.6	27.6	8.38	0	0	0	
2003-Aug-27	1:30	128	6.6	34.2	8.38	0	0	0	
2003-Aug-27	1:31	137	6.6	40.8	8.38	0	0	0	
2003-Aug-27	1:32	55	4.6	46.3	8.37	0	0	0	
2003-Aug-27	1:33	201	6.6	52.6	8.37	0	0	0	
2003-Aug-27	1:34	211	6.6	59.3	8.35	0	0	0	
2003-Aug-27	1:35	197	6.6	65.9	8.35	0	0	0	
2003-Aug-27	1:36	220	6.6	72.5	8.35	0	0	0	
2003-Aug-27	1:37	137	6.6	79.1	8.34	0	0	0	
2003-Aug-27	1:38	192	6.6	85.6	8.32	0	0	0	
2003-Aug-27	1:39	156	6.6	92.2	8.29	0	0	0	
2003-Aug-27	1:40	133	5.2	98.4	8.30	0	0	0	
2003-Aug-27	1:41	201	5.2	103.5	8.27	0	0	0	
2003-Aug-27	1:42	9	1.7	106.0	8.29	0	0	0	
2003-Aug-27	1:43	5	1.7	107.7	8.28	0	0	0	

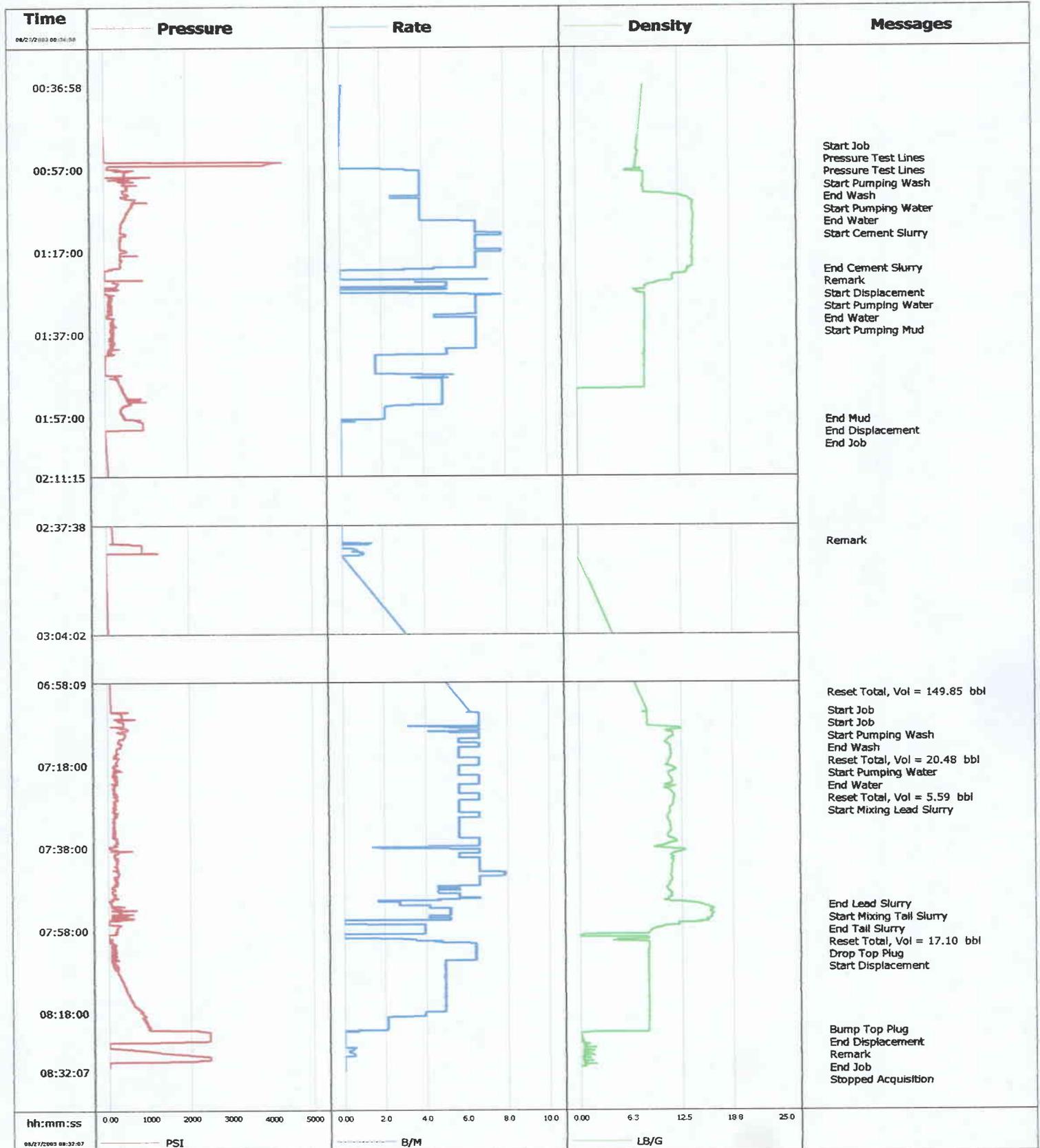
Well		Field		Service Date		Customer			Job Number
Horse Point State #1-34		WildCat				EOG RESOURCES, INC.			2206744095
Date	Time	Treating Pressure	CMT RATE	CMT VOL	CMT DENS	0	0	0	Message
	24 hr clock	psi	bbf/min	bbf	lb/gal	0	0	0	
2003-Aug-27	1:44	5	1.7	109.4	8.26	0	0	0	
2003-Aug-27	1:45	5	1.7	111.1	8.26	0	0	0	
2003-Aug-27	1:46	92	4.3	113.1	8.25	0	0	0	
2003-Aug-27	1:47	288	4.9	118.0	8.25	0	0	0	
2003-Aug-27	1:48	348	4.9	122.9	8.25	0	0	0	
2003-Aug-27	1:49	394	5.0	127.9	8.26	0	0	0	
2003-Aug-27	1:50	449	5.0	132.8	0.02	0	0	0	
2003-Aug-27	1:51	508	5.0	137.8	0.02	0	0	0	
2003-Aug-27	1:52	554	4.9	142.7	0.01	0	0	0	
2003-Aug-27	1:53	609	5.0	147.7	0.02	0	0	0	
2003-Aug-27	1:54	403	2.1	150.7	0.02	0	0	0	
2003-Aug-27	1:55	389	2.1	152.8	0.01	0	0	0	
2003-Aug-27	1:56	462	2.1	154.9	0.01	0	0	0	
2003-Aug-27	1:57								End Mud
2003-Aug-27	1:57	778	0.0	156.6	0.02	0	0	0	
2003-Aug-27	1:57	778	0.0	156.6	0.02	0	0	0	
2003-Aug-27	1:57								End Displacement
2003-Aug-27	1:57	792	0.5	156.6	0.02	0	0	0	
2003-Aug-27	1:58	916	0.0	156.8	0.02	0	0	0	
2003-Aug-27	1:59	929	0.0	156.8	0.02	0	0	0	
2003-Aug-27	2:00	137	0.0	156.8	0.02	0	0	0	
2003-Aug-27	2:00								End Job
2003-Aug-27	2:00	0	0.0	156.8	0.02	0	0	0	
2003-Aug-27	2:41								Drop opening bomb
2003-Aug-27	2:41	160	0.0	156.8	0.01	0	0	0	
2003-Aug-27	2:42	865	0.0	157.2	0.02	0	0	0	
2003-Aug-27	2:43	865	0.6	157.3	0.01	0	0	0	Open DV Tool
2003-Aug-27	2:44	-5	1.0	158.1	0.01	0	0	0	Hold Safety Meeting
2003-Aug-27	7:05								Start Job
2003-Aug-27	7:05	82	6.2	0.1	8.29	0	0	0	
2003-Aug-27	7:05	101	6.3	0.2	8.28	0	0	0	
2003-Aug-27	7:05								Start Job
2003-Aug-27	7:05								Start Pumping Wash
2003-Aug-27	7:05	151	6.2	0.5	8.22	0	0	0	
2003-Aug-27	7:05	320	6.6	1.7	7.93	0	0	0	
2003-Aug-27	7:06	348	6.6	8.5	8.27	0	0	0	
2003-Aug-27	7:07	311	6.6	15.1	8.29	0	0	0	
2003-Aug-27	7:08								End Wash
2003-Aug-27	7:08	394	6.6	20.3	8.28	0	0	0	
2003-Aug-27	7:08	398	6.6	20.5	8.28	0	0	0	
2003-Aug-27	7:08								Start Pumping Water
2003-Aug-27	7:08	389	6.6	0.7	8.27	0	0	0	
2003-Aug-27	7:08	394	6.6	1.2	8.25	0	0	0	
2003-Aug-27	7:09								End Water
2003-Aug-27	7:09	458	6.6	5.2	12.17	0	0	0	
2003-Aug-27	7:09	458	6.6	5.6	12.34	0	0	0	
2003-Aug-27	7:09	462	6.6	0.2	12.37	0	0	0	
2003-Aug-27	7:09								Start Mixing Lead Slurry
2003-Aug-27	7:09	481	6.6	1.1	12.40	0	0	0	
2003-Aug-27	7:10	430	6.6	6.9	11.43	0	0	0	
2003-Aug-27	7:11	398	6.6	13.5	11.16	0	0	0	
2003-Aug-27	7:12	256	5.6	19.4	10.53	0	0	0	
2003-Aug-27	7:13	316	6.6	25.7	11.06	0	0	0	
2003-Aug-27	7:14	215	5.6	31.6	11.15	0	0	0	

Well		Field		Service Date		Customer			Job Number
Horse Point State #1-34		WildCat				EOG RESOURCES, INC.			2206744095
Date	Time	Treating Pressure	CMT RATE	CMT VOL	CMT DENS	0	0	0	Message
	24 hr clock	psi	bbbl/min	bbbl	lb/gal	0	0	0	
2003-Aug-27	7:15	206	5.6	37.2	11.18	0	0	0	
2003-Aug-27	7:16	243	6.6	43.0	11.10	0	0	0	check Density 11 ppg
2003-Aug-27	7:17	215	6.6	49.6	10.82	0	0	0	
2003-Aug-27	7:18	169	5.6	55.9	11.02	0	0	0	
2003-Aug-27	7:19	233	5.6	61.5	11.50	0	0	0	
2003-Aug-27	7:20	151	5.6	67.1	10.92	0	0	0	
2003-Aug-27	7:21	206	6.6	73.7	11.22	0	0	0	
2003-Aug-27	7:22	211	6.6	80.3	11.21	0	0	0	
2003-Aug-27	7:23	160	5.6	86.1	10.90	0	0	0	
2003-Aug-27	7:24	151	5.6	91.7	11.21	0	0	0	
2003-Aug-27	7:25	211	6.6	97.8	11.56	0	0	0	
2003-Aug-27	7:26	211	6.6	104.4	11.49	0	0	0	
2003-Aug-27	7:27	169	5.6	110.1	11.43	0	0	0	
2003-Aug-27	7:28	179	5.6	115.7	11.03	0	0	0	check Density 11 ppg
2003-Aug-27	7:29	247	5.8	121.3	11.02	0	0	0	
2003-Aug-27	7:30	169	6.6	127.9	10.76	0	0	0	
2003-Aug-27	7:31	151	5.6	133.8	10.86	0	0	0	
2003-Aug-27	7:32	146	5.6	139.5	11.05	0	0	0	
2003-Aug-27	7:33	146	5.6	145.1	11.15	0	0	0	
2003-Aug-27	7:34	128	5.6	150.7	10.86	0	0	0	
2003-Aug-27	7:35	142	5.6	156.3	10.83	0	0	0	
2003-Aug-27	7:36	220	6.6	162.8	11.89	0	0	0	
2003-Aug-27	7:37	197	6.6	169.4	10.41	0	0	0	
2003-Aug-27	7:38	211	6.6	173.3	12.55	0	0	0	
2003-Aug-27	7:39	156	5.6	179.7	11.47	0	0	0	
2003-Aug-27	7:40	211	6.6	185.4	11.49	0	0	0	
2003-Aug-27	7:41	215	6.6	192.0	11.43	0	0	0	
2003-Aug-27	7:42	192	6.6	198.6	11.27	0	0	0	
2003-Aug-27	7:43	238	6.6	205.2	11.24	0	0	0	
2003-Aug-27	7:44	256	7.8	212.7	11.17	0	0	0	
2003-Aug-27	7:45	179	6.6	219.9	11.24	0	0	0	
2003-Aug-27	7:46	201	6.6	226.5	11.02	0	0	0	
2003-Aug-27	7:47	114	4.6	232.8	10.74	0	0	0	
2003-Aug-27	7:48	92	4.6	237.9	10.83	0	0	0	
2003-Aug-27	7:49	169	5.6	242.9	11.15	0	0	0	
2003-Aug-27	7:50	101	4.6	248.8	10.79	0	0	0	
2003-Aug-27	7:51	64	2.7	251.9	13.69	0	0	0	
2003-Aug-27	7:52								End Lead Slurry
2003-Aug-27	7:52	87	2.7	253.3	15.03	0	0	0	
2003-Aug-27	7:52								Start Mixing Tail Slurry
2003-Aug-27	7:52	82	2.7	0.2	15.14	0	0	0	
2003-Aug-27	7:52	156	4.2	1.5	15.73	0	0	0	
2003-Aug-27	7:53	243	5.1	6.7	15.84	0	0	0	
2003-Aug-27	7:54	270	4.2	11.8	16.04	0	0	0	
2003-Aug-27	7:55	266	5.2	16.4	15.56	0	0	0	
2003-Aug-27	7:55	37	1.3	17.1	15.67	0	0	0	
2003-Aug-27	7:55								End Tail Slurry
2003-Aug-27	7:55	23	0.0	17.1	15.66	0	0	0	
2003-Aug-27	7:55	14	0.0	0.0	15.59	0	0	0	
2003-Aug-27	7:55								Drop Top Plug
2003-Aug-27	7:56	69	0.0	0.0	12.08	0	0	0	
2003-Aug-27	7:57	220	3.9	3.6	9.42	0	0	0	
2003-Aug-27	7:58								Start Displacement
2003-Aug-27	7:58	183	3.9	7.5	8.52	0	0	0	

Well		Field		Service Date		Customer			Job Number
Horse Point State #1-34		WildCat				EOG RESOURCES, INC.			2206744095
Date	Time	Treating Pressure	CMT RATE	CMT VOL	CMT DENS	0	0	0	Message
	24 hr clock	psi	bbbl/min	bbbl	lb/gal	0	0	0	
2003-Aug-27	7:58	188	3.9	7.7	8.51	0	0	0	
2003-Aug-27	7:59	5	0.0	9.3	0.03	0	0	0	
2003-Aug-27	8:00	23	3.5	10.9	4.74	0	0	0	
2003-Aug-27	8:01	133	6.4	16.1	8.46	0	0	0	
2003-Aug-27	8:02	165	6.4	22.5	8.45	0	0	0	
2003-Aug-27	8:03	110	6.4	28.9	8.36	0	0	0	
2003-Aug-27	8:04	142	6.4	35.3	8.34	0	0	0	
2003-Aug-27	8:05	92	4.9	41.5	8.36	0	0	0	
2003-Aug-27	8:06	146	4.9	46.4	8.35	0	0	0	
2003-Aug-27	8:07	192	4.9	51.3	8.36	0	0	0	
2003-Aug-27	8:08	247	4.9	56.3	8.36	0	0	0	
2003-Aug-27	8:09	302	4.9	61.2	8.36	0	0	0	
2003-Aug-27	8:10	348	4.9	66.1	8.36	0	0	0	
2003-Aug-27	8:11	394	4.9	71.0	8.36	0	0	0	
2003-Aug-27	8:12	435	4.9	75.9	8.38	0	0	0	
2003-Aug-27	8:13	481	4.9	80.8	8.37	0	0	0	
2003-Aug-27	8:14	536	4.9	85.8	8.36	0	0	0	
2003-Aug-27	8:15	600	4.9	90.7	8.37	0	0	0	
2003-Aug-27	8:16	659	4.9	95.7	8.37	0	0	0	
2003-Aug-27	8:17	783	4.9	100.6	8.38	0	0	0	
2003-Aug-27	8:18	851	3.9	104.9	8.37	0	0	0	
2003-Aug-27	8:19	879	2.1	107.8	8.37	0	0	0	
2003-Aug-27	8:20	925	2.1	109.9	8.35	0	0	0	
2003-Aug-27	8:21	961	2.1	112.0	8.34	0	0	0	
2003-Aug-27	8:22								Bump Top Plug
2003-Aug-27	8:22	2161	0.2	113.7	8.33	0	0	0	
2003-Aug-27	8:22								End Displacement
2003-Aug-27	8:22	2211	0.0	113.7	8.33	0	0	0	
2003-Aug-27	8:22	2266	0.7	113.8	8.33	0	0	0	
2003-Aug-27	8:23								Remark
2003-Aug-27	8:23	2458	0.0	113.8	0.04	0	0	0	
2003-Aug-27	8:23	2458	0.0	113.8	0.06	0	0	0	
2003-Aug-27	8:24	2458	0.0	113.8	0.19	0	0	0	
2003-Aug-27	8:25	5	0.0	113.8	1.06	0	0	0	
2003-Aug-27	8:25	5	0.0	113.8	0.88	0	0	0	
2003-Aug-27	8:25								End Job
2003-Aug-27	8:26	266	0.5	113.9	0.65	0	0	0	
2003-Aug-27	8:27	1259	0.3	114.3	0.50	0	0	0	
2003-Aug-27	8:28	2417	0.1	114.7	0.33	0	0	0	Close DV Tool
2003-Aug-27	8:29	2147	0.0	114.7	0.28	0	0	0	
2003-Aug-27	8:30	-5	0.0	114.7	0.53	0	0	0	
2003-Aug-27	8:31	-3690	0.0	114.7	-6.25	0	0	0	

Well Horse Point State #1-34		Field WildCat		Service Date		Customer EOG RESOURCES, INC.		Job Number 2206744095	
Date	Time 24 hr clock	Treating Pressure psi	CMT RATE bbl/min	CMT VOL bbl	CMT DENS lb/gal	0	0	0	Message
						0	0	0	
Post Job Summary									
Average Pump Rates, bpm					Volume of Fluid Injected, bbl				
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2		
5.28			7.92	416	104	50			
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density			
2471.83		309.46	2440		bbl	lb/gal			
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp		<input type="checkbox"/> Cement Circulated to Surface?	Volume			
%	421 bbl	240 bbl	68 °F		<input type="checkbox"/> Washed Thru Perfs	To	ft		
Customer or Authorized Representative Hubert, Hays,			Schlumberger Supervisor Foote, Brian			<input type="checkbox"/> CirculationLost	<input checked="" type="checkbox"/> Job Completed		

Well	HPS 1-34	Client	EOG Resources
Field	Wildcat	SIR No.	2206744095
Engineer	Brian Foote	Job Type	4 1/2" Csg, 2 Stages Job
Country	United States	Job Date	08-27-2003

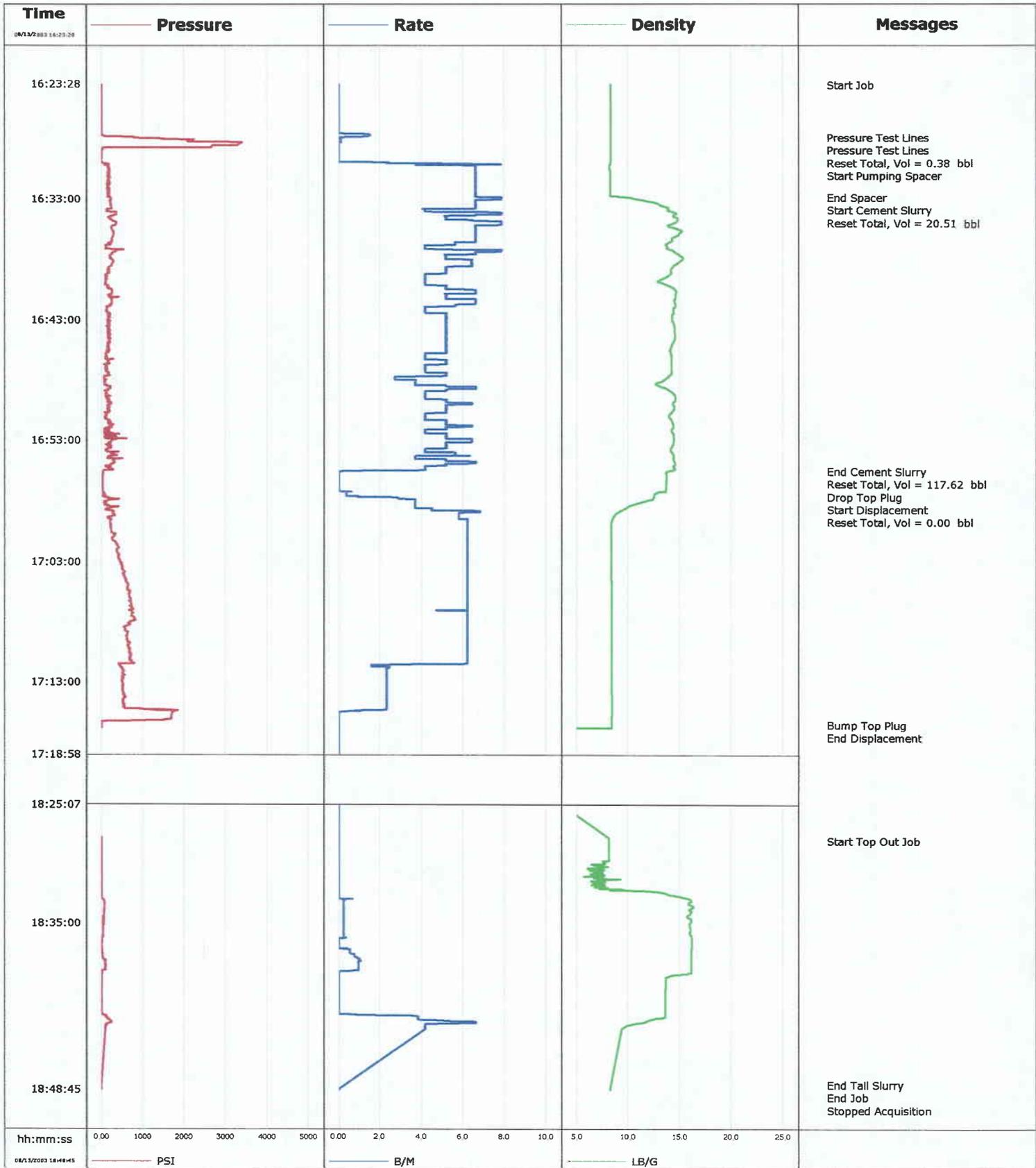


Customer EOG RESOURCES, INC.						Job Number 2206744086				
Well Horse Point State 1-34			Location (legal) Sec 34 T15S R23E			Schlumberger Location Vernal, UT			Job Start	
Field WildCat		Formation Name/Type		Deviation °		Bit Size 12.3 in	Well MD 1,200 ft	Well TVD 1,200 ft		
County Grand		State/Province Utah		BHP psi	BHST 93 °F	BHCT 74 °F	Pore Press. Gradient psi/ft			
Well Master: 0630512871		API / UWI:		Casing/Liner						
Rig Name Key Well Service 942	Drilled For Gas		Service Via Land		Depth, ft 135	Size, in 13.38	Weight, lb/ft 48	Grade H40	Thread 8RD	
Offshore Zone	Well Class New	Well Type Development			1201	9.63	36	H40	8RD	
Drilling Fluid Type			Max. Density lb/gal	Plastic Vh: cp	Depth,	Size, in	Weight, lb/ft	Grade	Thread	
Service Line Cementing		Job Type Cem Interm Casing			Tubing/Drill Pipe					
Max. Allowed Tubing Pressure 3000 psi	Max. Allowed Ann. Pressure psi	Wellhead Connection Single cement head		Top, ft	Bottom, ft	spf	No. of Shots	Total Interval ft		
Service Instructions Cement 1201 9 5/8 Intermediate Casing With 20 BBLs Water, 460 Sacks 10-2 RFC, .25#/Sk D029, Yield= 1.61 Water = 8.0 Gallons/ Sk @ 14.2 PPG. Displace As Per Co. Rep Instruction				Diameter in	Treat Down Casing	Displacement 89.5 bbl	Packer Type	Packer Depth ft		
				Tubing Vol. bbl	Casing Vol. 92.8 bbl	Annular Vol. 60 bbl	Open Hole Vol bbl			
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Volume Circulated prior to Cementing <input checked="" type="checkbox"/>			Casing Tools			Squeeze Job		
Lift Pressure: 550 psi		Pipe Rotated <input type="checkbox"/>			Pipe Reciprocated <input type="checkbox"/>			Shoe Type: Guide	Squeeze Type	
No. Centralizers:		Top Plugs: 1	Bottom Plugs:		Shoe Depth: 1201 ft			Tool Type:		
Cement Head Type: Single		Stage Tool Type:			Stage Tool Depth: ft			Tool Depth: ft		
Job Scheduled For:		Arrived on Location:		Leave Location:		Collar Type: Float	Tail Pipe Size: in		ft	
						Collar Depth: 1158 ft	Tail Pipe Depth: ft		ft	
						Sqz Total Vol: bbl			bbl	
Date	Time	Treating Pressure 24 hr clock psi	CMT RATE bbl/min	CMT VOL bbl	CMT DENS lb/gal	0	0	0	Message	
2003-Aug-13	16:23	0	0.0	0.0	8.29	0	0	0	Hold Safety Meeting	
2003-Aug-13	16:23					0	0	0	Start Job	
2003-Aug-13	16:27	1501	0.0	0.4	8.30	0	0	0		
2003-Aug-13	16:27								Pressure Test Lines	
2003-Aug-13	16:27	1479	0.0	0.4	8.30	0	0	0		
2003-Aug-13	16:28	3337	0.0	0.4	8.30	0	0	0		
2003-Aug-13	16:29	0	0.0	0.0	8.30	0	0	0		
2003-Aug-13	16:29								Start Pumping Spacer	
2003-Aug-13	16:29	23	2.3	0.1	8.29	0	0	0		
2003-Aug-13	16:30	192	6.6	3.6	8.24	0	0	0		
2003-Aug-13	16:31	197	6.6	10.1	8.28	0	0	0		
2003-Aug-13	16:32	174	6.6	16.7	8.28	0	0	0		
2003-Aug-13	16:32								End Spacer	
2003-Aug-13	16:32	229	7.8	19.4	10.50	0	0	0		
2003-Aug-13	16:32								Start Cement Slurry	
2003-Aug-13	16:32	238	7.8	19.9	10.86	0	0	0		
2003-Aug-13	16:33	211	6.6	20.5	11.37	0	0	0		
2003-Aug-13	16:33								Reset Total, Vol = 20.51 bbl	
2003-Aug-13	16:33	229	6.6	23.6	13.20	0	0	0		
2003-Aug-13	16:34	206	5.2	29.5	14.72	0	0	0		
2003-Aug-13	16:35	266	6.6	36.3	15.05	0	0	0		
2003-Aug-13	16:36	247	6.5	42.9	14.01	0	0	0		

Well		Field		Service Date		Customer		Job Number	
Horse Point State #1-34		WildCat				EOG RESOURCES, INC.		2206744086	
Date	Time	Treating Pressure	CMT RATE	CMT VOL	CMT DENS	0	0	0	Message
	24 hr clock	psi	bbf/min	bbf	lb/gal	0	0	0	
2003-Aug-13	16:37	266	6.6	48.7	14.82	0	0	0	
2003-Aug-13	16:38	238	6.4	54.6	14.36	0	0	0	check Density 14.3 ppg
2003-Aug-13	16:39	119	4.2	59.4	14.40	0	0	0	
2003-Aug-13	16:40	256	6.6	64.2	14.61	0	0	0	
2003-Aug-13	16:41	252	6.6	70.1	14.52	0	0	0	
2003-Aug-13	16:42	169	5.2	75.2	14.25	0	0	0	
2003-Aug-13	16:43	119	5.1	80.3	14.47	0	0	0	
2003-Aug-13	16:44	224	5.2	85.5	14.49	0	0	0	
2003-Aug-13	16:45	156	5.1	90.6	14.07	0	0	0	
2003-Aug-13	16:46	179	5.1	95.3	14.20	0	0	0	
2003-Aug-13	16:47	183	5.2	99.8	14.04	0	0	0	
2003-Aug-13	16:48	206	6.6	103.7	13.36	0	0	0	
2003-Aug-13	16:49	165	4.8	108.4	14.57	0	0	0	
2003-Aug-13	16:50	197	5.2	113.8	14.28	0	0	0	
2003-Aug-13	16:51	160	5.2	118.4	14.32	0	0	0	
2003-Aug-13	16:52	211	5.2	123.4	14.38	0	0	0	
2003-Aug-13	16:53	229	5.2	128.9	14.18	0	0	0	
2003-Aug-13	16:54	316	5.2	133.5	14.39	0	0	0	
2003-Aug-13	16:55	46	0.0	138.1	13.72	0	0	0	
2003-Aug-13	16:55								End Cement Slurry
2003-Aug-13	16:55	50	0.0	138.1	13.69	0	0	0	
2003-Aug-13	16:55	46	0.0	138.1	13.65	0	0	0	
2003-Aug-13	16:55								Reset Total, Vol = 117.62 bbl
2003-Aug-13	16:56	32	0.0	138.1	13.73	0	0	0	
2003-Aug-13	16:56								Drop Top Plug
2003-Aug-13	16:56	32	0.0	138.1	13.72	0	0	0	
2003-Aug-13	16:56								Start Displacement
2003-Aug-13	16:56	32	0.0	138.1	13.71	0	0	0	
2003-Aug-13	16:56								Reset Total, Vol = 0.00 bbl
2003-Aug-13	16:56	27	0.0	138.1	13.69	0	0	0	
2003-Aug-13	16:57	96	0.9	138.3	12.50	0	0	0	
2003-Aug-13	16:58	192	4.5	141.6	9.73	0	0	0	
2003-Aug-13	16:59	211	6.2	147.4	8.44	0	0	0	
2003-Aug-13	17:00	243	6.2	153.6	8.35	0	0	0	
2003-Aug-13	17:01	371	6.2	159.8	8.37	0	0	0	
2003-Aug-13	17:02	403	6.2	166.0	8.38	0	0	0	
2003-Aug-13	17:03	485	6.2	172.2	8.38	0	0	0	
2003-Aug-13	17:04	572	6.2	178.4	8.40	0	0	0	
2003-Aug-13	17:05	687	6.2	184.6	8.40	0	0	0	
2003-Aug-13	17:06	710	6.2	190.9	8.41	0	0	0	
2003-Aug-13	17:07	764	6.2	197.1	8.41	0	0	0	
2003-Aug-13	17:08	568	6.2	203.3	8.42	0	0	0	
2003-Aug-13	17:09	636	6.2	209.5	8.42	0	0	0	
2003-Aug-13	17:10	659	6.2	215.7	8.42	0	0	0	
2003-Aug-13	17:11	449	1.6	221.5	8.42	0	0	0	
2003-Aug-13	17:12	490	2.3	223.7	8.43	0	0	0	
2003-Aug-13	17:13	517	2.3	226.0	8.44	0	0	0	33 bbls Cement to surface
2003-Aug-13	17:14	526	2.3	228.3	8.44	0	0	0	
2003-Aug-13	17:15	1698	0.0	230.1	8.44	0	0	0	
2003-Aug-13	17:16								Bump Top Plug
2003-Aug-13	17:16	-5	0.0	230.1	8.43	0	0	0	
2003-Aug-13	17:16	-5	0.0	230.1	8.43	0	0	0	
2003-Aug-13	17:16								End Displacement
2003-Aug-13	18:28	5	0.0	230.1	8.16	0	0	0	

Well		Field		Service Date		Customer		Job Number	
Horse Point State #1-34		WildCat				EOG RESOURCES, INC.		2206744086	
Date	Time	Treating Pressure	CMT RATE	CMT VOL	CMT DENS	0	0	0	Message
	24 hr clock	psi	bbl/min	bbl	lb/gal	0	0	0	
2003-Aug-13	18:26								Start Top Out Job
2003-Aug-13	18:32	0	0.0	230.1	11.52	0	0	0	
2003-Aug-13	18:33	69	0.2	230.2	15.88	0	0	0	
2003-Aug-13	18:34	55	0.2	230.4	15.88	0	0	0	
2003-Aug-13	18:35	50	0.2	230.6	15.98	0	0	0	
2003-Aug-13	18:36	9	0.0	230.8	16.14	0	0	0	
2003-Aug-13	18:37	9	0.5	230.9	16.11	0	0	0	
2003-Aug-13	18:38	92	0.9	231.7	16.10	0	0	0	
2003-Aug-13	18:39	5	0.0	232.3	14.33	0	0	0	
2003-Aug-13	18:40	0	0.0	232.3	13.61	0	0	0	
2003-Aug-13	18:41	0	0.0	232.3	13.59	0	0	0	
2003-Aug-13	18:42	0	0.0	232.3	13.59	0	0	0	
2003-Aug-13	18:43	124	4.2	235.3	10.63	0	0	0	
2003-Aug-13	18:48								End Top Out Slurry
2003-Aug-13	18:48								End Job
2003-Aug-13	18:48	-5	0.0	237.0	8.28	0	0	0	
Post Job Summary									
Average Pump Rates, bpm					Volume of Fluid Injected, bbl				
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2		
4			6.5	130		20			
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density			
1700		340	1700		bbl	lb/gal			
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	<input checked="" type="checkbox"/> Cement Circulated to Surface?		Volume	33 bbl		
%	132 bbl	87 bbl	68 °F	<input type="checkbox"/> Washed Thru Perfs		To	ft		
Customer or Authorized Representative			Schlumberger Supervisor			<input checked="" type="checkbox"/> Circulation Lost		<input checked="" type="checkbox"/> Job Completed	
Hubert, Hays,			Foote, Brian						

Well	HORES POINT STATE 1-34	Client	EOG
Field	WILD CAT	SIR No.	2206744086
Engineer	Brian Foote	Job Type	INTERMEDIATE
Country	United States	Job Date	08-13-2003



•Experienced Since
1978 with
Double D
Double Jack
Now On My Own

SINGLE JACK TESTING & SERVICES INC. INVOICE # 3544

2292 I 1/4 Road • Grand Junction, Colorado 81505

(970) 245-9724

Vernal, Utah (435) 781-1357
Cortez, Colorado (970) 882-4918

Pay off original invoice.
No Statement will be
sent.

DATE 8-14-03 RIG NAME AND # Key 942
OPERATOR COG WELL NAME AND NO. Horse Point 1-34
COUNTY Grand STATE UT SECTION 034 TOWNSHIP 155 RANGE 23E

EQUIPMENT TESTED

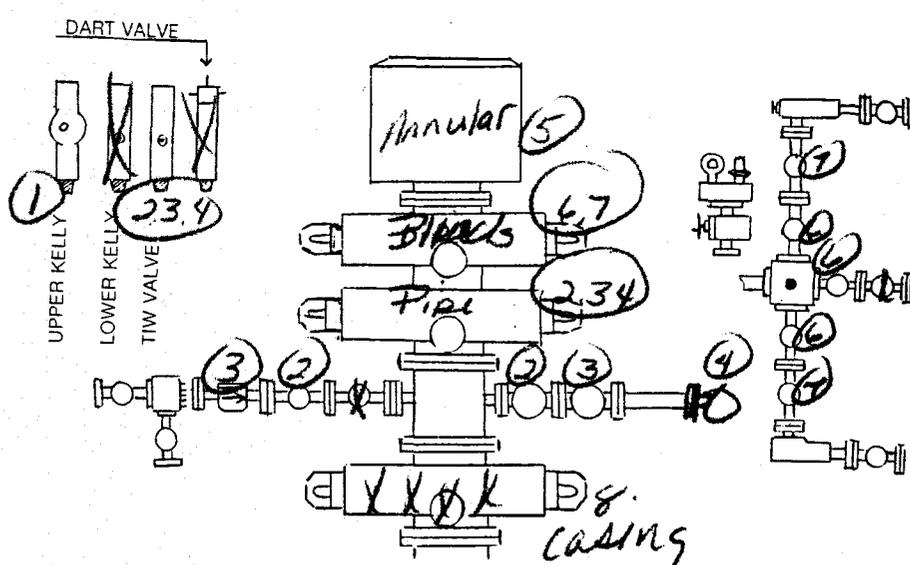
LOW
250 3,000 RAMS Blinds
250 3,000 RAMS Pipe
RAMS _____
250 1,500 ANNULAR B.O.P. _____
250 3,000 CHOKE LINE _____
250 3,000 KILL LINE _____
250 3,000 UPPER KELLY _____
LOWER KELLY _____
20 3,000 SAFETY VALVES _____
250 3,000 CHOKE MANIFOLD _____
1,500 ~~SUPER CHOKE~~ Casing

ADDITIONAL TESTS & COMMENTS

ACCUMULATOR TEST

TYPE 100Mg CONTROLS LABELED CORRECTLY YES
NITROGEN BACK-UP NA PSI AIR 110 ELECTRIC Triplex
REMOTE YES BLIND GUARDS INSTALLED YES
ACCUMULATOR PRESSURE 3000 MANIFOLD PSI 1,500 ANNULAR PSI 1,200

HP 1-34
230 419
302 380



Load Time _____ TEST PLUG 11" C-22 150% N/A
Start Travel Time 3:00am End 4:00pm RET. TOOL _____
Arrival Time 6:00am Dep Time 1:00pm TOP SUB. 4 1/2 X H 50% N/A
Single Jack Rep. W. K. KELLY SUB. 4 1/2 X H
Pusher: M. K. X-OVER SUB. _____

RATES
UNIT RATES 7 Hour set up charge on BOP & E tests 1,100%
ADDITIONAL _____
MILEAGE 1.75% per mi Rd trip Vernal UT 210mi 367%
METHANOL _____
OTHER Apple up 2 rows 11" 5,000 300%

Theresa Wynn
CO. REP.

M. Abbott
TESTED BY
W. Dodge
SINGLE JACK TESTING UNIT NUMBER

SUB TOTAL _____
TAX _____
TOTAL 1767.50

NOTICE TO ALL CUSTOMERS

If this account shall not be paid when due and it is placed with an attorney for collection, or if suit be instituted for collection, the undersigned agree(s) to pay in either case, reasonable expense of collection including attorney's fees and court cost in compliance with TRUTH IN LENDING AND THE UNIFORM CONSUMER CREDIT CODE, under the terms of our regular accounts, all amounts for service due and payable within THIRTY (30) DAYS from the receipt of an invoice for such services. A LATE CHARGE will be assessed when accounts are not paid when due. THE LATE CHARGE is computed by a "periodic rate" 1-3/4% PER MONTH which is an ANNUAL PERCENTAGE RATE OF 21% to the previous balance in the account on the billing date. No further credit can be extended on unpaid delinquent accounts until the delinquent account is paid in full. The contractor will not be held liable for damages caused by acts of God, or unforeseen circumstances that could not be reasonably anticipated in performing the work done as set forth above.

013

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

AMENDED REPORT [] FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL [], GAS WELL [x], DRY [], OTHER []
b. TYPE OF WORK: NEW WELL [x], HORIZ. LATS. [], DEEP-EN. [], RE-ENTRY [], DIFF. RESVR. [], OTHER []

2. NAME OF OPERATOR: EOG RESOURCES, INC

3. ADDRESS OF OPERATOR: P. O. BOX 250 CITY BIG PINEY STATE WY ZIP 83113
PHONE NUMBER: (307) 276-4833

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 2140' FSL - 1760' FEL
AT TOP PRODUCING INTERVAL REPORTED BELOW: SAME AS ABOVE
AT TOTAL DEPTH: SAME AS ABOVE

5. LEASE DESIGNATION AND SERIAL NUMBER: FEE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A

7. UNIT or CA AGREEMENT NAME: N/A

8. WELL NAME and NUMBER: HORSE POINT 1-34

9. API NUMBER: 4301931397

10. FIELD AND POOL, OR WILDCAT: HORSE POINT

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSE 34 15S 23E

12. COUNTY: GRAND 13. STATE: UTAH

14. DATE SPUDDED: 7/15/2003 15. DATE T.D. REACHED: 8/25/2003 16. DATE COMPLETED: 3-12-2004
ABANDONED [] READY TO PRODUCE [x]

17. ELEVATIONS (DF, RKB, RT, GL): 7160' KB

18. TOTAL DEPTH: MD 9,098 TVD 9,098 19. PLUG BACK T.D.: MD 9,052 TVD
20. IF MULTIPLE COMPLETIONS, HOW MANY? * 1

21. DEPTH BRIDGE PLUG SET: MD 8,700 TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
NEUTRON DENSITY/GR, INDUCTION LINEAR CORR/GR, PLATFORM EXPRESS, DIPHOLE SONIC, CBL/VDL/GR/CLL

23. WAS WELL CORED? NO [x] YES [] (Submit analysis)
WAS DST RUN? NO [x] YES [] (Submit report)
DIRECTIONAL SURVEY? NO [x] YES [] (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

Table with columns: 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

25. TUBING RECORD

Table with columns: SIZE, DEPTH SET (MD), PACKER SET (MD)

26. PRODUCING INTERVALS MSZC per BGH

Table with columns: FORMATION NAME, TOP (MD), BOTTOM (MD), TOP (TVD), BOTTOM (TVD)

27. PERFORATION RECORD

Table with columns: INTERVAL (Top/Bot - MD), SIZE, NO. HOLES, PERFORATION STATUS

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

Table with columns: DEPTH INTERVAL, AMOUNT AND TYPE OF MATERIAL

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: 3/12/2004	TEST DATE: 4/2/2004	HOURS TESTED: 24	TEST PRODUCTION RATES: →	OIL - BBL: 0	GAS - MCF: 740	WATER - BBL: 0	PROD. METHOD: Flowing
CHOKE SIZE: 17/64"	TBG. PRESS. 425	CSG. PRESS. 425	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

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: →	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: →	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: →	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

SOLD. OPERATIONS TURNED OVER TO NATIONAL FUELS UPON INITIAL PRODUCTION.

33. SUMMARY OF POROUS ZONES (Include Aquifers):

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.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
BUCK TONGUE	3,455	3,650	SHALE	Kmv (604MVRD)	1,201
KMV Castlegate	3,650	4,425	SANDSTONE	Lower Seo (L. Seo)	3,615
MANCOS B	4,425	7,215	SANDSTONE	Buck Tonque	3,550
FRONTIER	7,215	7,500	SHALE	Kmv Castlegate	6,765
Dakota	7,500	7,590	SANDSTONE	Mancos "B"	4,496
Cedar Mountain	7,590	7,735	SANDSTONE	Lower Mancos	5,230
MORRISON	7,735	7,891	SANDSTONE	Frontier/Ferron	7,192
SALT Wash	7,891	8,281	SANDSTONE	Dakota Silt	7,431
ENTRADA	8,281	9,043	SANDSTONE	Cedar Mountain	7,624
CHINLE	9,043	9,098	SHALE	Morrison	7,675

35. ADDITIONAL REMARKS (Include plugging procedure)

Perforated Wingate from 8737-38', 8742-44', 8749-50', 8772-75', 8779-90' & 8785-86' @ 2 SPF

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) ALFREDA SCHULZ

TITLE SR. REGULATORY ASSISTANT

SIGNATURE *Alfreda Schulz*

DATE 4/9/2004

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

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 n/a BIA n/a

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on:

n/a

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:

1. Changes entered in the Oil and Gas Database on:

4/27/2004

2. Changes have been entered on the Monthly Operator Change Spread Sheet on:

4/27/2004

3. Bond information entered in RBDMS on:

N/A

4. Fee wells attached to bond in RBDMS on:

N/A

5. Injection Projects to new operator in RBDMS on:

n/a

6. Receipt of Acceptance of Drilling Procedures for APD/New on:

n/a

STATE WELL(S) BOND VERIFICATION:

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

4127314

FEDERAL WELL(S) BOND VERIFICATION:

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

n/a

INDIAN WELL(S) BOND VERIFICATION:

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

n/a

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:

Per Becky Pritchett (SITLA) 75% of Lease ML 46108 was assigned 4/23/03 from National Fuel Corp to EOG; 25% of lease was retained by National Fuel Corp; Per WCR from EOG 4/9/04 "Sold, Operations turned over to National Fuels upon initial production."

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

FORM 9

<p align="center">SUNDRY NOTICES AND REPORTS ON WELLS</p> <p><small>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.</small></p>		<p>5. LEASE DESIGNATION AND SERIAL NUMBER: ML 46108</p>
<p>1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____</p>		<p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A</p>
<p>2. NAME OF OPERATOR: EOG Resources, Inc. <i>N 9550</i></p>		<p>7. UNIT or CA AGREEMENT NAME: N/A</p>
<p>3. ADDRESS OF OPERATOR: 600 17th St., Ste. 1100N Denver CO 80202</p>		<p>8. WELL NAME and NUMBER: Horse Point 1-34</p>
<p>4. LOCATION OF WELL FOOTAGES AT SURFACE: 2140' FSL & 1760' FEL COUNTY: Grand</p>		<p>9. API NUMBER: 4301931397</p>
<p>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSE 34 15.5 S 23E STATE: UTAH</p>		<p>10. FIELD AND POOL, OR WILDCAT: Horse Point</p>

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"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<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>Change of Operator</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.

Please be advised that National Fuel Corporation is considered to be the operator of the above referenced well and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. The effective date of change is March 12, 2004. National Fuel's State of Utah bond number is LPM 4024547. *4127314*

National Fuel Corporation
7979 E. Tufts Avenue Parkway, Suite 815
Denver, CO 80237

N 8060

Diane Thompson
Diane Thompson, President

Date: 4/20/2004

NAME (PLEASE PRINT) <u>Sheila Bremer</u>	TITLE <u>Regulatory Coordinator, EOG Resources, Inc.</u>
SIGNATURE <i>Sheila Bremer</i>	DATE <u>4/20/04</u>

(This space for State use only)

fax received 4/20/04

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APR 22 2004

DIV. OF OIL, GAS & MINING

014

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.

5. LEASE DESIGNATION AND SERIAL NUMBER:
ST ML 46108

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:
State #1-34 HORSE POINT 1-34

9. API NUMBER:
4301931397

10. FIELD AND POOL, OR WILDCAT:
Horse Point

1. TYPE OF WELL
OIL WELL GAS WELL OTHER _____

2. NAME OF OPERATOR:
National Fuel Corporation

3. ADDRESS OF OPERATOR:
7979 E. Tufts Ave. #815 CITY Denver STATE Co ZIP 80237

PHONE NUMBER:
(303) 220-7772

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2140' fsl, 1760' fel COUNTY: Grand

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSE 34 15S 23E STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input 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"/> 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 checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 3/12/2004	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input checked="" 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.

This notice is being submitted for notification of first production from the well listed above. Well started producing March 12th 2004, at a rate of 700 mcf/d.

NAME (PLEASE PRINT) Andrew Busch TITLE V.P. of Operations

SIGNATURE *Andrew Busch* DATE 5/4/2004

(This space for State use only)

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