

SEGO RESOURCES

September 16, 1997

U.S. Department of the Interior
Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, Utah 84078

Attn: Mr. Ed Forsman

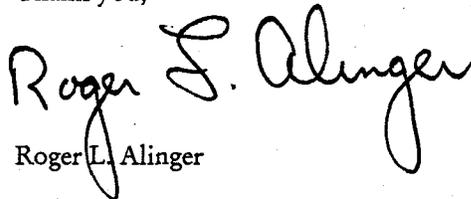
Re: Application for Permit to Drill (APD)
Federal Oil & Gas Lease UTU73425
Sego Resources Well #4
SW/4 NE/4 Sec. 31, T11S, R16E
Duchesne County, Utah

Dear Mr. Forsman:

Enclosed are one original and two copies of the above referenced APD plus supporting material. As part of this application, we are requesting right-of-way on an existing road that crosses the corners of three federal sections after it leaves the East Wrinkles Road. Specifics are shown on the attached "B Topo" and explained in the *Surface Use Program*.

Please contact me at (801) 789-7250 if additional information is needed.

Thank you,


Roger L. Alinger

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

5. Lease Designation and Serial No. UTU73425

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK DRILL [X] DEEPEN []

6. If Indian, Allottee or Tribe Name NA

b. TYPE OF WELL OIL WELL () GAS WELL (X) OTHER () SINGLE ZONE () MULTIPLE ZONE ()

7. Unit Agreement Name NA

2. Name of Operator Sego Resources Corp.

8. FARM OR LEASE NAME, WELL NO. Sego Resources Well #4

3. Address and Telephone Number 266 West 100 North Suite #1 Vernal, Utah 84078 Telephone (801) 789-7250

9. API Well No.

4. LOCATION OF WELL (Report location clearly and accordance with any State requirements.*) At Surface 1813' FNL 2027' FEL, Sec. 31, T11S, R16E 659 617

10. Field And Pool, or Wildcat Wildcat

At proposed prod. zone same

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 31, T11S, R16E, S.L.B.&M.

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 25 miles south of Myton, Utah

CONFIDENTIAL

12. COUNTY OR PARISH Dushesne 13. STATE Utah

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. 827' (est) (Also nearest drig. unit line, if any)

16. NO. OF ACRES IN LEASE 271.6

17. NO. OF ACRES ASSIGNED TO THIS WELL 80

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED OR APPLIED FOR, ON THIS LEASE, FT. NA

19. PROPOSED DEPTH 6500'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) GL 6520'

22. APPROX. DATE WORK WILL START 25-Oct-97

Table with 5 columns: SIZE OF HOLE, GRADE, SIZE OF CASING, WEIGHT PER FOOT, SETTING DEPTH, QUANTITY OF CEMENT. Rows include 12-1/4" and 8-1/2" hole sizes.

Sego Resources Corp. proposes to drill, test and complete the Sego Resources Well #4 as a vertical well in the Wasatch formation Please reference the accompanying Drilling Program

BLM Right of Way is being requested with this APD

Operations for this well will be conducted under a Statewide Bond.

There is no spacing in the area. Wells can be drilled anywhere within a 200 foot square around the center of a 40 acre block.

CONFIDENTIAL

Please consider all submittals pertaining to this well "Company Confidential".

If additional information is required, please contact the undersigned at (801) 789-7250, FAX (801) 789-7261

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED: Roger Alinger Roger Alinger TITLE: CEO DATE: 16-Sep-97

(This space for Federal or State office use) PERMIT NO. 43-013-31949 APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

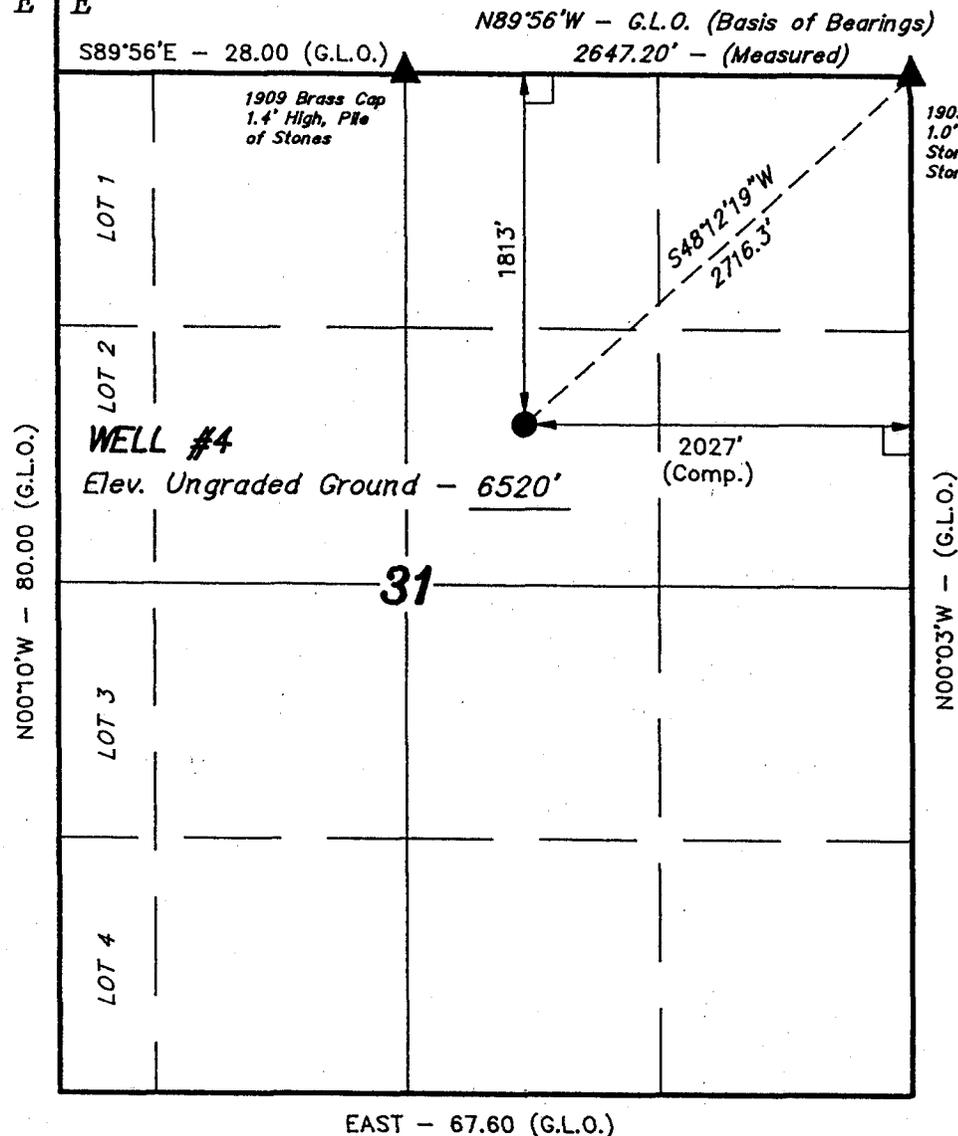
CONDITIONS OF APPROVAL, IF ANY:

Approved by John R. Baya Title Associate Director Date 9/30/97

T11S, R16E, S.L.B.&M.

R
15
E

R
16
E



LEGEND:

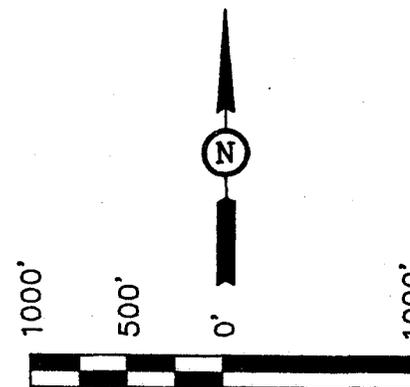
- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

SEGO RESOURCES

Well Location, WELL #4, located as shown in the SW 1/4 NE 1/4 of Section 31, T11S, R16E, S.L.B.&M. Duchesne County, Utah.

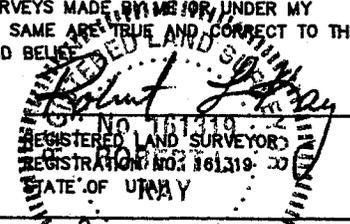
BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHEAST CORNER OF SECTION 29, T11S, R16E, S.L.B.&M. TAKEN FROM THE COWBOY BENCH, QUADRANGLE, UTAH, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 6404 FEET.



SCALE
CERTIFICATE

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



UINTAH ENGINEERING & SURVEYING 85 SOUTH 200 EAST - VERNAL, UTAH 84078 (801) 789-1017		
SCALE 1" = 1000'	DATE SURVEYED: 08-04-97	DATE DRAWN: 08-12-97
PARTY G.S. J.W. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE SEGO RESOURCES	

SEGO RESOURCES CORP.
SEGO RESOURCES WELL #4
SW/NE SECTION 31, T11S, R16E
DUCHESNE COUNTY, UTAH

DRILLING PROGRAM

1. Estimated tops of important geologic markers:

Ground Level	6517.6' graded
Green River	Surface to 3192'
Wasatch	3192' to T.D.

2. Estimated depths of anticipated water, oil, gas or minerals:

<u>Mineral</u>	<u>Formation</u>	<u>Depth</u>
Natural gas	Wasatch	5322'

Fresh water Fresh water aquifers will be protected with surface casing set at 650'.
All potentially productive usable water, hydrocarbons, and other
mineral zones will be protected with casing and cement.

3. Proposed casing program:

8 5/8", J-55, 24.0# ST&C set at 650' KB (new)—centralizers will be used on the bottom 3 joints
5 1/2", J-55, 15.5# LT&C set at 6500' (TD) (new)—centralizers will be used across the pay zone

4. Minimum specifications for pressure control:

1. The BOP and related equipment will meet or exceed the requirements of a 2M-psi system as set forth in Onshore Order No. 2.
2. The BOP and related well control equipment will be pressure tested to rated pressure or 70% of internal yield of surface casing (2065 psi) when initially installed and whenever any seal subject to pressure test is broken.
3. Pipe and blind rams will be functioned each trip (max. once/day); annular preventers weekly.

5. Mud System: The following is meant as a guide only. Actual mud weights will be determined by hole conditions. Sufficient quantities of mud materials will be maintained or readily accessible for assuring well control.

<u>Interval</u>	<u>Mud Weight PPG</u>	<u>Viscosity SEC</u>	<u>Fluid Loss CC</u>	<u>Remarks</u>
0 - 650'	8.4 - 8.9	27 - 45	No control	Fresh water native mud w/high viscosity sweeps
650' - 3000'	8.4 - 8.9	27 - 45	No control	Fresh water native mud w/high viscosity sweeps
3000' - 6500'	8.4 - 8.9	35 - 45	10 - 12	PHPA polymer

6. Testing, Logging, and Coring Program

Cores-DST's: None anticipated at this time.

Surveys: Deviation surveys will be taken at 325' and TD of surface pipe (+/- 650'). Max. deviation of 2 deg. at casing point and no more than 1 deg. change between surveys. Deviation surveys to be taken at 500' intervals from surface casing to TD.

Mud Logger: From 500' above the Wasatch to TD. Sample frequency to be determined.

Logging:	AIT, GR	TD to surface casing shoe
	LDT, CNL, MSFL, Cal	TD to 3000'
	Dipole Sonic	To be determined
	Magnetic Resonance	To be determined

7. Cementing Program

Surface Pipe: Will be cemented with 155 sacks of 50:50 POZ "C" with 10% bentonite, plus additives (yield approximately 2.94 cu-ft per sack) followed by 85 sacks of Class "G" cement with 2.0% CaCl₂ plus additives (yield approximately 1.17 cu-ft per sack). Total quantity is 100% excess based on 8 5/8" casing in a 12 1/4" hole. In the event cement does not circulate to surface or fall back of the cement column occurs, a top out cement job will be done to bring cement back to surface.

Production String: Estimated volume is 345 sacks of 50:50 POZ "G" with 2.0% bentonite plus additives (yield approximately 1.25 cu-ft per sack). Volume is based on 10% excess over quantity required for 2200' of coverage with 5 1/2" casing in a 7 7/8" hole. Actual volumes will be determined from the caliper log.

8. Abnormal Conditions/Expected BHP

No abnormal pressures are anticipated in the Tertiary Green River or Wasatch formations. As such, bottom hole pressures are expected to be less than 2900 PSI. There has been no indication of H₂S in any wells drilled in the area.

9. Other Information

The Vernal District BLM office (801) 789-1362 is to be notified:

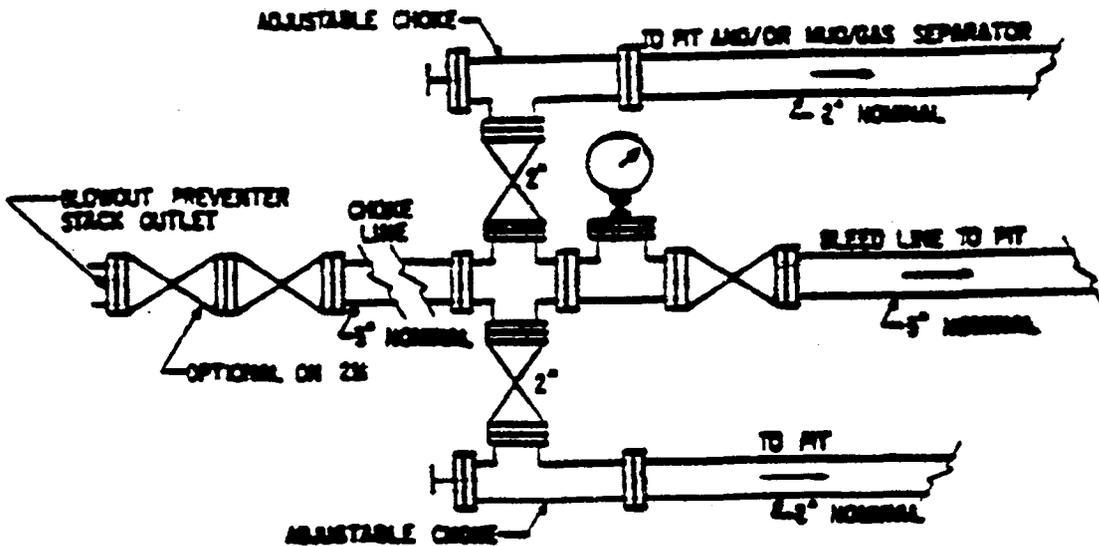
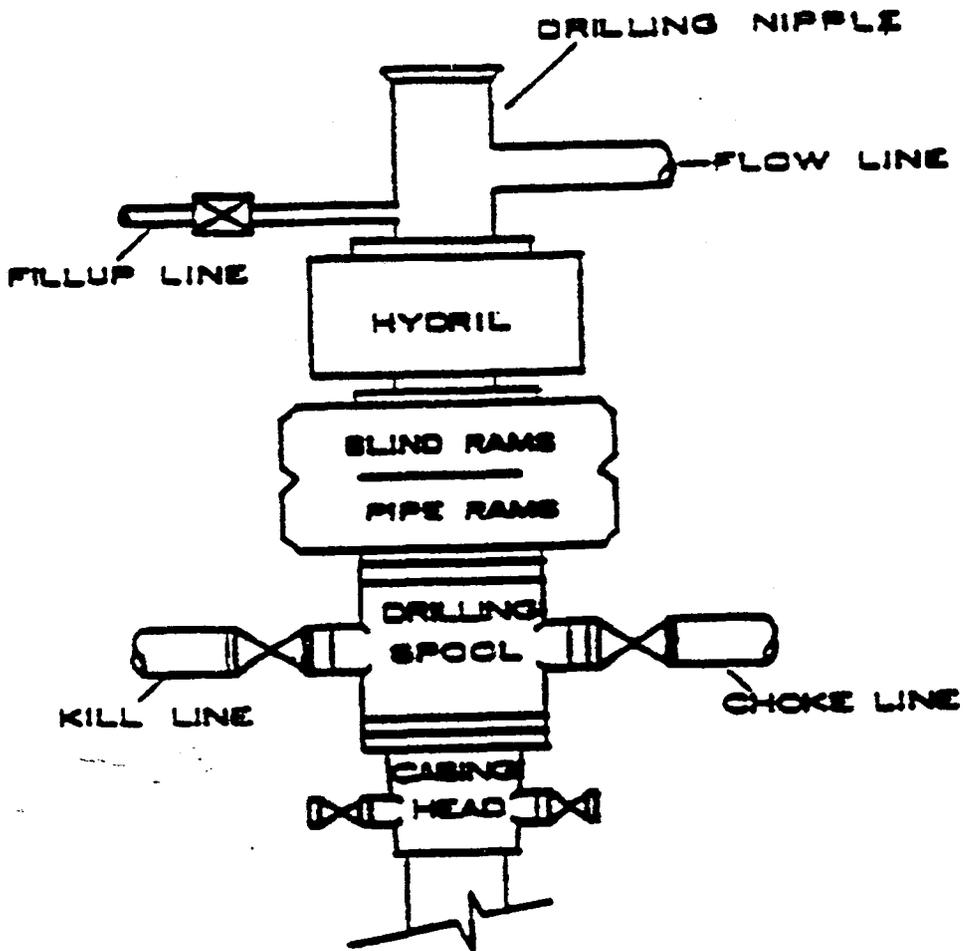
- 48 hours prior to construction of location and access roads
- prior to moving the drilling rig on location
- at least 24 hours prior to spudding the well
- at least 24 hours prior to running casing and cementing all casing strings
- 24 hours prior to initiating pressure tests on BOP equipment

Should it be necessary to make after hour's notification, one of the following individuals will be contacted:

- | | |
|-----------------|----------------|
| - Ed Forsman | (801) 789-7077 |
| - Wayne Bankert | (801) 789-4170 |
| - Jerry Kenczka | (801) 781-4410 |

2M SYSTEM

BOP STACK



Sego Resources Corp.

Well name:	Sego Resources Wells # 1 thru 4		Project ID:
Operator:	Sego Resources		6500' Wasatch Wells
String type:	Surface 650'		
AFE No.:			
Location:	Uinta Basin, Utah		

Design parameters:

Collapse
Mud weight: 9.00 ppg
Design is based on evacuated pipe.

Minimum design factors:

Collapse
Design factor 1.125

Environment:

H2S considered? No
Surface temperature: 60.00 °F
Bottom hole temperature: 144 °F
Temperature gradient: 1.30 °F/100ft
Minimum section length: 150 ft

Burst:

Design factor 1.00

Burst

Max anticipated surface pressure 226 psi
Internal gradient: 0.439 psi/ft
Calculated BHP 304 psi

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.

No backup mud specified.

Tension is based on buoyed weight.

Neutral point: 562 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbw/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	650	8.625	24.00	J-55	ST&C	650	650	7.972	31.3
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Klps)	Tension Strength (Klps)	Tension Design Factor
1	304	1370	4.51	304	2950	9.71	13	244	18.08J

Prepared by: Roger Allinger
Sego Resources

Phone: (801) 789-7250
FAX: (801) 789-7261

Date: Sept. 5, 1997
Vernal, Utah

Remarks:

Collapse is based on a vertical depth of 650 ft, a mud weight of 9 ppg. The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kamler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Casing2 designed by Lone Star Steel and Mauer Engineering, Inc.

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

Sego Resources Corp.

Well name:	Sego Resources Wells # 1 thru 4		
Operator:	Sego Resources		
String type:	<i>Production</i>		Project ID:
AFE No.:	All 6500' Wasatch wells		6500' Wasatch Well
Location:	Uinta Basin, Utah		

Design parameters:

Collapse
Mud weight: 9.00 ppg
Design is based on evacuated pipe.

Minimum design factors:

Collapse
Design factor 1.125

Environment:

H2S considered? No
Surface temperature: 60.00 °F
Bottom hole temperature: 144 °F
Temperature gradient: 1.30 °F/100ft
Minimum section length: 150 ft

Burst:

Design factor 1.00

Burst

Max anticipated surface pressure 3,556 psi
Internal gradient: 0.440 psi/ft
Calculated BHP 6,416 psi

Annular backup: 8.34

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 buoyed weight.

Neutral point: 5,615 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	6500	5.5	15.50	J-55	LT&C	6500	6500	4.825	203.8
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	3039	4040	1.33	3599	4810	1.34	87	217	2.49 J

Prepared by: Roger Alinger
Sego Resources

Phone: (801) 789-7250
FAX: (801) 789-7261

Date: Sept. 9, 1997
Vernal, Utah

Remarks:

Collapse is based on a vertical depth of 6500 ft, a mud weight of 9 ppg. The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kamler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Casing2 designed by Lone Star Steel and Mauer Engineering, Inc.

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

SEGO RESOURCES CORP.
SEGO RESOURCES WELL #4
SW/NE SECTION 31, T11S, R16E
DUCHESNE COUNTY, UTAH

SURFACE USE PROGRAM

1. Existing Roads

See attached "topo A" and "topo B".

2. Planned access Roads

The planned access road leaves the East Wrinkles Road at a point in the SE/4 S24-T11S-R15E. From there, it follows an old lease road approximately 2 miles into the SE/4 S30-T11S-R16E. At that point the road will begin following an existing 2 track for approximately 0.4 miles toward the southwest in section 31. From the existing 2 track approximately 0.3 miles of new road will be constructed to the south. The new road will have a running surface of 14 feet and a maximum disturbed width of 24 feet.

The existing road will be upgraded by clearing rocks and generally smoothing it. The existing road down the hillside of section 30 will be cleared of slides and rocks, maintaining a slight "inslope" and constructing water bars where current drainage occurs.

As part of this application Sego Resources is requesting right-of-way (ROW) across approximately 2 miles of existing roads in Sections 24 and 25, T11S, R15E, and Section 30, T11S, R16E, Duchesne County, Utah. ROW requested is as follows: SE/4 Sec. 24-T11S-R15E; NE/4 Sec. 25-T11S-R15E; SW/4 Sec. 30-T11S-R16E; and S/2, SE/4 Sec. 30-T11S-R16E as shown on the attached topographic map "B topo".

3. Location of Existing Wells

In the northeast quarter of section 31, approximately 0.4 mi. to the northeast of the proposed location there is an abandoned well by the name of the Minnie Maude #1. The well was drilled by El Paso Natural Gas in 1954 and TD'd at 3808' in the Green River formation

4. Location of Existing and Proposed Facilities

There are no existing facilities on the site.

If the well is completed as a producer, a request for approval of subsequent operations will be made for production equipment and flowlines.

All permanent structures built or installed on the site will be painted Carlsbad Canyon (2.5Y 6/2).

5. Location and Type of Water Supply

Jim Nebeker Trucking will provide water from their water well in S34-T3S-R2W. The water permit number is 43-1721. Additional water may be obtained from private water rights in Nine-Mile Canyon. If this is done, a sundry notice will be sent to the BLM.

6. Source of Construction Materials

See attached *Location Layout*. All materials for construction will be obtained on-site.

7. Methods for Handling Waste Disposal

All drill cuttings will be contained and buried in the reserve pit shown on the Location Layout, Exhibit B. The pit will be lined with a 12-mil plastic/nylon material underlain by sufficient bedding to protect the liner from tearing. No trash or material that might puncture the liner will be disposed of in the pit.

All drilling fluids including salts and chemicals will be contained in the reserve pit. After completion of the well, drilling fluids will be either moved to the next location for use or left in the pit until sufficient evaporation has occurred to backfill the pit. If it appears the evaporation process will take longer than 6 months, the drilling fluid will be hauled to an approved disposal facility.

A portable toilet will be furnished for onsite personnel.

A trash basket will be provided on location for garbage and other waste material. At the end of drilling operations, the trash basket will be hauled to an approved disposal site. Trash will not be burned on location.

No hazardous materials in an amount greater than 10,000 pounds will be used, stored, produced, transported, or disposed of annually in association with the drilling, testing, or completing of the well. In addition extremely hazardous substances as defined in 40 CFR 355, in threshold planning quantities, will not be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

After first production, produced water will be confined to the reserve pit for a period not to exceed ninety days. During the ninety day period, in accordance with Onshore Order No. 7, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the Authorized Officers approval.

8. Ancillary Facilities

No camp facilities will be used for drilling personnel. Trailers for the toolpusher and drilling superintendent are anticipated.

9. Well Site Layout

See the attached *Location Layout* for the location of all equipment and *Cross Section* for the projected cut and fill necessary on the location.

The reserve pit will be fenced according to the following minimum standards:

- a. 39-inch net wire will be used with at least one strand of barbed wire on top of the net wire.
- b. The net wire will be no more than 2 inches above the ground. The barbed wire will be 3 inches above the net wire. Total height of the fence will be at least 42 inches.
- c. Corner posts will 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 will be used between the corner braces. The maximum distance between any two posts will be no greater than 16 feet.
- e. All wire will be stretched, by using a stretching device, before it is attached to the corner posts.

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

10. Plan 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 will be removed in accordance with 43 CFR 3162.7-1.

The plastic/nylon liner will be torn and perforated before backfilling the reserve pit.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 120 days from the date of well completion, weather permitting. Before any dirt work begins on the pit, all fluids will be removed.

b) *Dry Hole/Abandoned Location*

At such time as the well is plugged and abandoned, Segco will submit a subsequent report of abandonment and the B.L.M. will attach the appropriate surface rehabilitation conditions of approval.

11. Surface Ownership

Access Road: BLM Land—ROW will be required across Sec. 24 & 25-T11S-R15E and Sec. 30-T11S-R16E.
 Location: BLM Land

12. Other Additional Information

- a. Sego Resources is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Sego will immediately stop work that might further disturb such materials, and contact the Authorized Officer. Grand River Institute has previously submitted a *Summary Report of Inspection for Cultural Resources* to the BLM. There was no finding of cultural resources.
- b. Sego Resources will control noxious weeds along the rights-of-way for roads, pipelines, well sites, and other applicable facilities. On BLM administered land a Pesticide Use Proposal will be submitted, and approval obtained, before application of herbicides or other pesticides.
- c. Drilling rigs and/or equipment used during drilling operations on this wellsite will not be stacked or stored on Federal Lands after the conclusion of drilling operations or at any other time without BLM authorization.
- d. A silt catchment basin will be constructed east of the well pad. BLM personnel will determine the specific location at the time of location construction.
- e. Item 9. in the Drilling Program has notification requirements that will be met.
- f. A complete copy of the approved APD, if applicable, will be on location during the construction of location and during drilling activities.

13. Lessee's or Operators Representative and Certification

Representative

Name: Roger L. Alinger

Address: P.O. Box 1066, 266 West 100 North #1, Vernal, Utah 84078

Telephone No. (801) 789-7250

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 which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and, that the work associated with the operations proposed here will be performed by Sego Resources and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

9/16/97
Date

Roger Alinger
Roger Alinger
Area Manager

Onsite Date: September 8, 1997

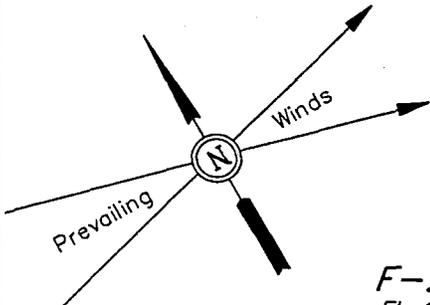
Participants on Joint Inspection

- | | |
|-------------------|-------------------------------------|
| • Byron Tolman | BLM |
| • Ron Trogstad | BLM |
| • Jean Sinclear | BLM |
| • Steve Strong | BLM |
| • Jim Justice | J-West Oilfield Service |
| • Henry Pehacek | J-West Oilfield Service |
| • Robert Kay | Uintah Engineering & Land Surveying |
| • Logan MacMillan | Sego Resources |
| • Roger Alinger | Sego Resources |

SEGO RESOURCES

LOCATION LAYOUT FOR

WELL #4
SECTION 31, T11S, R16E, S.L.B.&M.
1813' FNL 2027' FEL



F-2.3'
El. 15.3'

F-2.9'
El. 14.7'

F-7.3'
El. 10.3'

Sta. 3+10

Approx. Toe of Fill Slope

SCALE: 1" = 50'
DATE: 08-12-97
Drawn By: D.R.B.
Revised: 09-09-97 D.R.B.

NOTE:

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

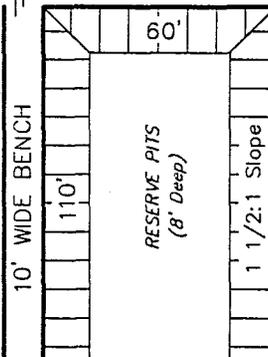
FLARE PIT

Pit Topsoil Stockpile
C-3.0'
El. 20.6'

El. 21.0'
C-11.4'
(btm. pit)

NOTE: Pit Capacity W/2' of Freeboard is ±4,600 Bbls.

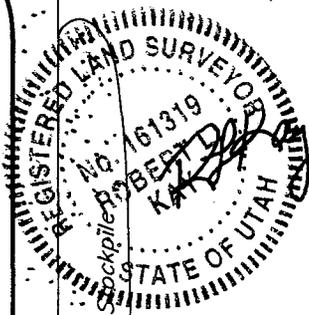
Reserve Pit Backfill & Spoils Stockpile



Sta. 0+67

Sta. 1+65

F-7.2'
El. 10.4'



El. 25.8'
C-16.2'
(btm. pit)

El. 25.0'
C-7.4'

Approx. Top of Cut Slope

El. 23.3'
C-5.7'

C-3.5'
El. 21.1'

F-2.8'
El. 14.8'

Sta. 0+00

Proposed Access Road

Elev. Ungraded Ground at Location Stake = 6520.0'
Elev. Graded Ground at Location Stake = 6517.6'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017

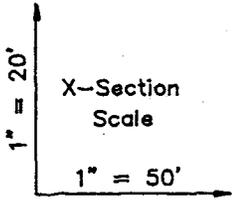
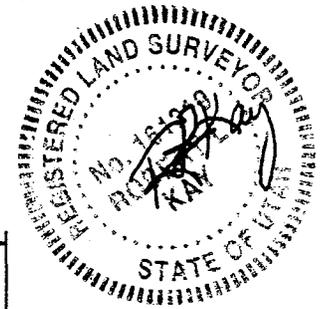
SEGO RESOURCES

TYPICAL CROSS SECTIONS FOR

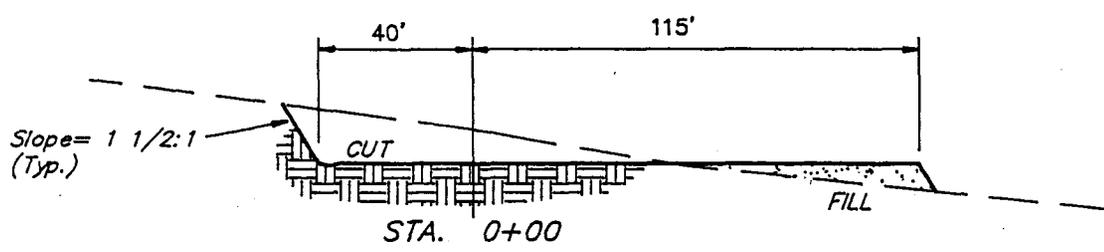
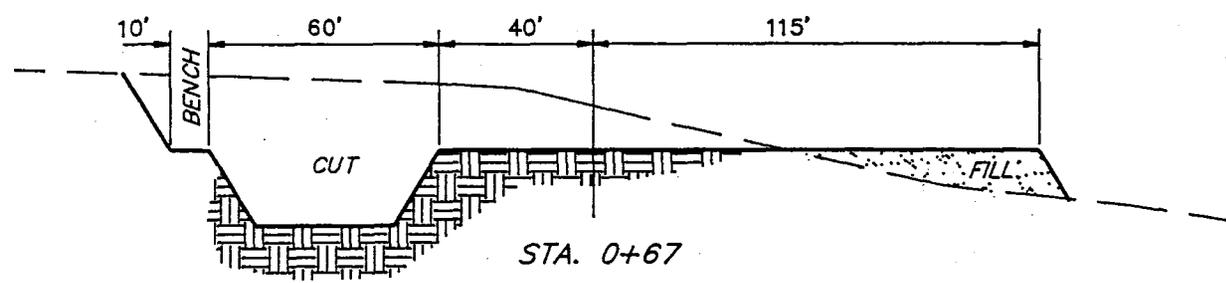
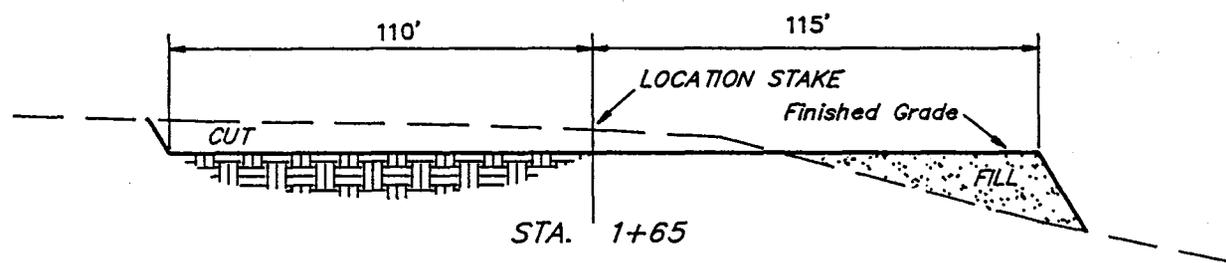
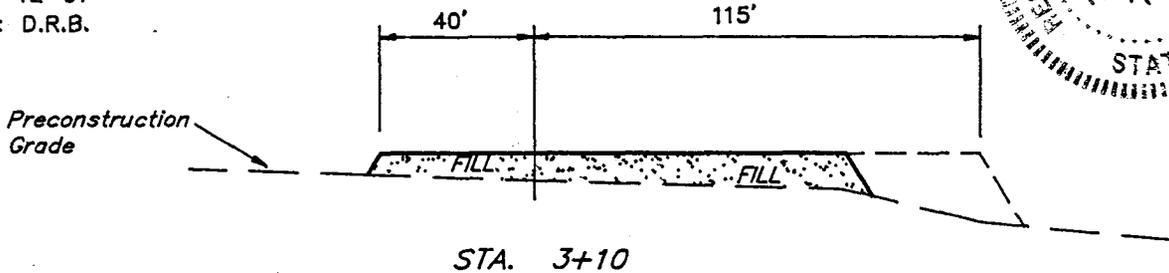
WELL #4

SECTION 31, T11S, R16E, S.L.B.&M.

1813' FNL 2027' FEL



DATE: 08-12-97
Drawn By: D.R.B.

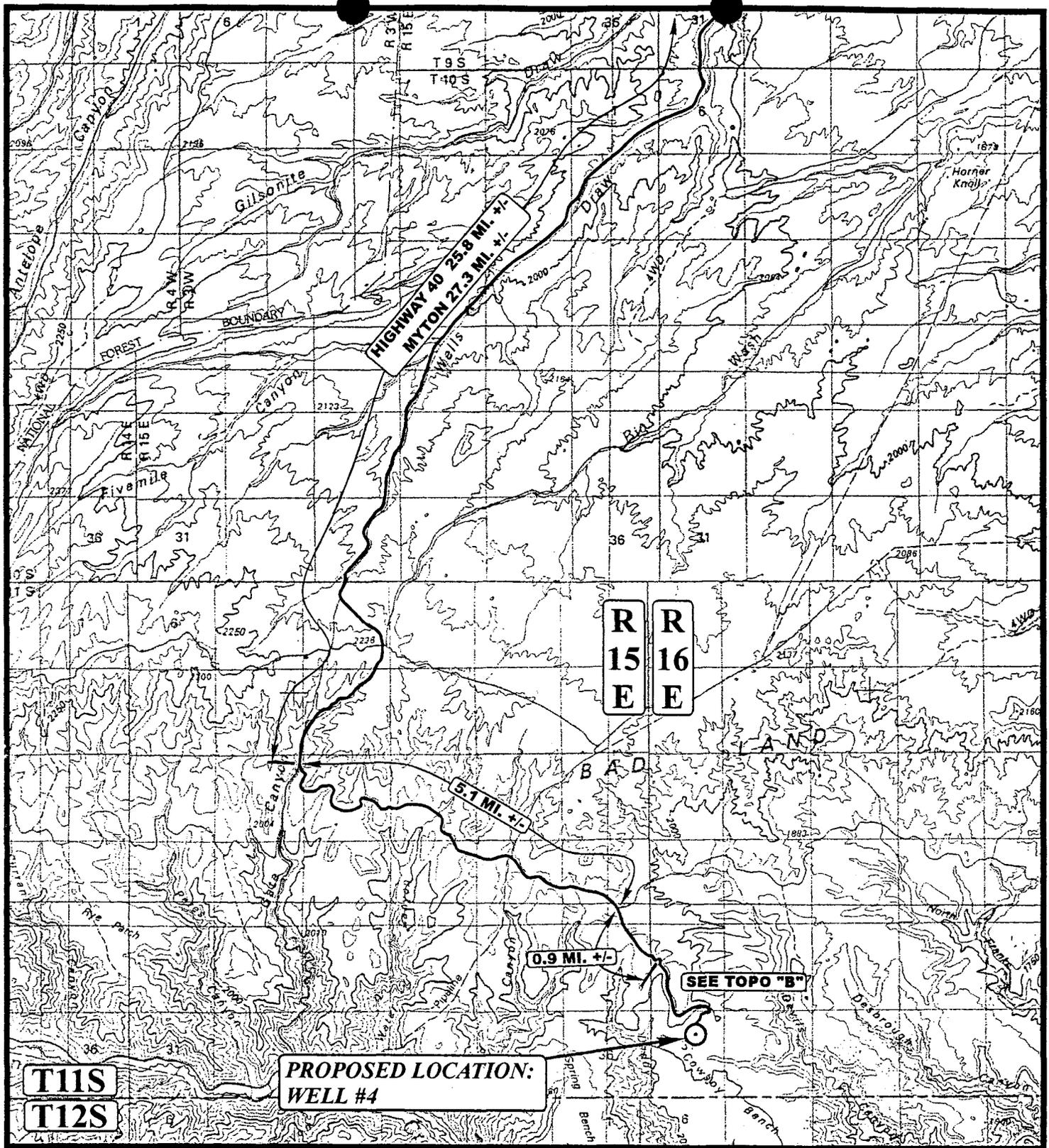


APPROXIMATE YARDAGES

(6") Topsoil Stripping	=	1,010	Cu. Yds.
Remaining Location	=	5,070	Cu. Yds.
TOTAL CUT	=	6,080	CU.YDS.
FILL	=	4,150	CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION	=	1,710	Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	1,710	Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	=	0	Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017



T11S
T12S

**PROPOSED LOCATION:
WELL #4**

R 15
R 16
E E

LEGEND:

⊙ PROPOSED LOCATION



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(801) 789-1017 * FAX (801) 789-1813
Email: uels@easilink.com



SEGO RESOURCES

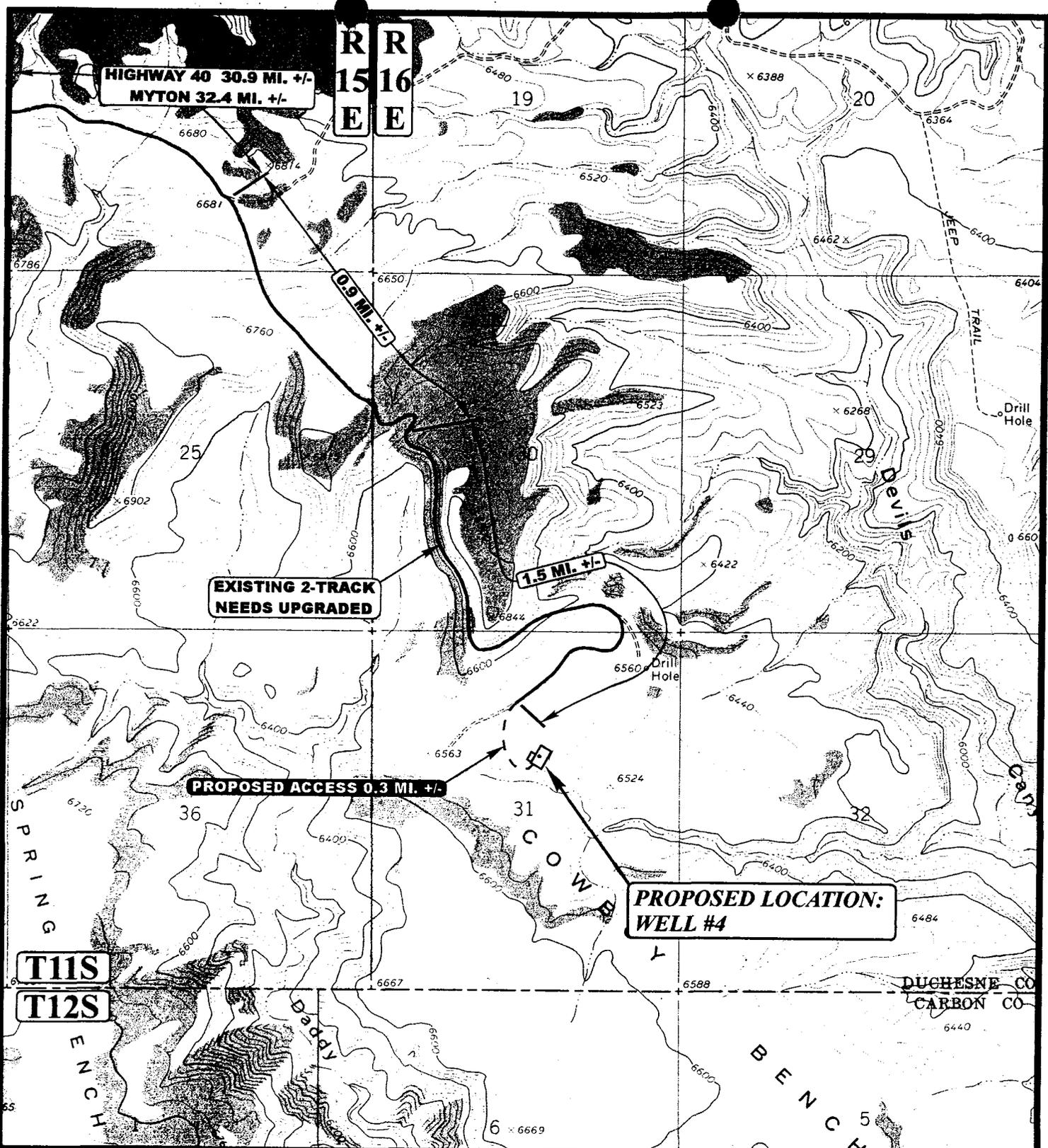
WELL #4
SECTION 31, T11S, R16E, S.L.B.&M.
1813' FNL 2027' FEL

TOPOGRAPHIC
MAP

8 12 97
MONTH DAY YEAR

SCALE: 1 : 100,000 DRAWN BY: D.COX REVISED: 00-00-00





LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING ROAD



SEGO RESOURCES

WELL #4
SECTION 31, T11S, R16E, S.L.B.&M.
1813' FNL 2027' FEL

UELS
Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (801) 789-1017 * FAX (801) 789-1813
 Email: uels@easilink.com

TOPOGRAPHIC **8** **12** **97**
MAP MONTH DAY YEAR
 SCALE: 1" = 2000' DRAWN BY: D.COX REVISED: 00-00-00 **B**
 TOPO

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 09/18/97

API NO. ASSIGNED: 43-013-31949

WELL NAME: SEGO RESOURCES #4
OPERATOR: SEGO RESOURCES CORP (N6095)

PROPOSED LOCATION:
SWNE 31 - T11S - R16E
SURFACE: 1813-FNL-2027-FEL
BOTTOM: 1813-FNL-2027-FEL
DUCHESNE COUNTY
WILDCAT FIELD (001)

INSPECT LOCATION BY: / /		
TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: FED
LEASE NUMBER: UTU - 73425

PROPOSED PRODUCING FORMATION: WSTC

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Federal State Fee
(Number 125,000 BLANKET SURETY)
- Potash (Y/N)
- Oil shale (Y/N)
- Water permit
(Number 43-1721)
- RDCC Review (Y/N)
(Date: _____)

LOCATION AND SITING:

- R649-2-3. Unit: _____
- R649-3-2. General.
- R649-3-3. Exception.
- Drilling Unit.
Board Cause no: _____
Date: _____

COMMENTS: _____

STIPULATIONS: _____

OPERATOR: SEGO RESOURCES (N)

FIELD: WILDCAT (001)

SEC, TWP, RNG: 23, T11S, R15E, & 31, T11S, R16E

COUNTY: DUCHESNE UAC: R649-3-2 & 649-3-3



PREPARED:
DATE: 22-SEP-97



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

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
James W. Carter
Division Director

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

September 30, 1997

Sego Resources Corporation
266 West 100 North, Suite #1
Vernal, Utah 84078

Re: Sego Resources #4 Well, 1813' FNL, 2027' FEL, SW NE,
Sec. 31, T. 11 S., R. 16 E., Duchesne County, Utah

Gentlemen:

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

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-31949.

Sincerely,

John R. Baza
Associate Director

lwp

Enclosures

cc: Duchesne County Assessor
Bureau of Land Management, Vernal District Office

9-25-97

John —

Additional forms filed
w/ the BLM. Hope this
is the equivalent of OOGM
Form 5.

FILE

#1 ~~43-013-31946~~

#2 ~~43-013-31947~~

#3 ~~43-013-31948~~

#4 43-013-31949

Roger A.

DOGMA

Expires: February 28, 1995

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

5. Lease Designation and Serial No. UTU73425

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK DRILL [X] DEEPEN []

6. If Indian, Allottee or Tribe Name NA

b. TYPE OF WELL OIL WELL () GAS WELL (X) OTHER () SINGLE ZONE () MULTIPLE ZONE ()

7. Unit Agreement Name NA

2. Name of Operator

Sego Resources Corp.

8. FARM OR LEASE NAME, WELL NO. Sego Resources Well #4

3. Address and Telephone Number

266 West 100 North Suite #1 Vernal, Utah 84078 Telephone (801) 789-7250

9. API Well No.

4. LOCATION OF WELL (Report location clearly and accordance with any State requirements.)*

At Surface 1813' FNL 2027' FEL, Sec. 31, T11S, R16E

10. Field And Pool, or Wildcat

Wildcat

At proposed prod. zone same

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 31, T11S, R16E, S.L.B.&M.

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

25 miles south of Myton, Utah

12. COUNTY OR PARISH

Duchesne

13. STATE

Utah

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT. 827' (est) (Also nearest drtg. unit line, if any)

16. NO. OF ACRES IN LEASE

271.6

17. NO. OF ACRES ASSIGNED TO THIS WELL

80

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED OR APPLIED FOR, ON THIS LEASE, FT.

NA

19. PROPOSED DEPTH

6500'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

GL 6520'

22. APPROX. DATE WORK WILL START

25-Oct-97

23. PROPOSED CASING AND CEMENTING PROGRAM

Table with 5 columns: SIZE OF HOLE, GRADE, SIZE OF CASING, WEIGHT PER FOOT, SETTING DEPTH, QUANTITY OF CEMENT. Includes rows for 12-1/4" and 8-1/2" hole sizes.

Sego Resources Corp. proposes to drill, test and complete the Sego Resources Well #4 as a vertical well in the Wasatch formation

Please reference the accompanying Drilling Program

BLM Right of Way is being requested with this APD

Operations for this well will be conducted under a Statewide Bond.

There is no spacing in the area. Wells can be drilled anywhere within a 200 foot square around the center of a 40 acre block.

RECEIVED

SEP 15 1997

Please consider all submittals pertaining to this well "Company Confidential".

If additional information is required, please contact the undersigned at (801) 789-7250, FAX (801) 789-7261

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED: Roger Alinger

Roger Alinger (Signature)

TITLE: CEO

DATE:

16-Sep-97

(This space for Federal or State office use)

PERMIT NO. NOTICE OF APPROVAL

APPROVAL DATE

CONDITIONS OF APPROVAL TO OPERATOR'S USE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

Approved by

(Signature)

Title

Assistant Field Manager Mineral Resources

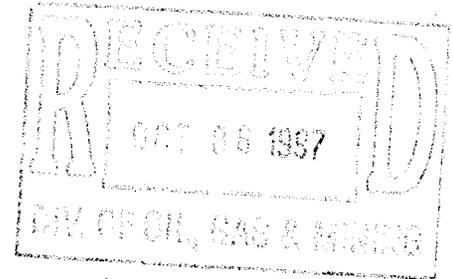
Date SEP 29 1997

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

11-080-711-430

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Sego Resources Corp
Well Name & Number: Sego Resources Well No. 4
API Number: 43-013-31949
Lease Number: UTU-73425
Location: SWNE Sec. 31 T. 11 S R. 16 E



NOTIFICATION REQUIREMENTS

- Location Construction - at least 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 - at least twenty-four (24) hours prior to running casing and cementing all casing strings.
- BOP and Related Equipment Tests - at least twenty-four (24) hours prior to initiating pressure 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.

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative by the operator to insure compliance.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

A. DRILLING PROGRAM

1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report **ALL** water shows and water-bearing sands to Tim Ingwell of this office **prior to setting the next casing string or requesting plugging orders**. Faxed copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a **2M** system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

In addition, to the cementing proposal for the surface casing, a minimum of 200 ft. of Class G neat cement shall be placed from 200 ft. to surface in the 8 5/8 in. X 12 1/4 in annulus.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected via the cementing program by having a cement top for the production casing at least 200 ft. above the base of the Usable Water Zone, identified at 3835 ft.. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

A cement bond log (CBL) will be run from the production casing shoe to Top of Cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. **One copy** of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The Vernal District Office shall be notified, during regular work hours (7:45 a.m.-4:30 p.m., Monday through Friday except holidays), at least 24 hours prior to spudding the well.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-5 (b.9. d.), and shall be submitted to the appropriate District Office within sixty (60) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-5 (b. 4).

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This

report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted following initial installation and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approval or notification is necessary, please contact one of the following individuals:

Wayne Bankert (801) 789-4170
Petroleum Engineer

Ed Forsman (801) 789-7077
Petroleum Engineer

Jerry Kenczka (801) 789-1190
Petroleum Engineer

BLM FAX Machine (801) 781-4410

EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

- Unused fracturing fluids or acids
- Gas plant cooling tower cleaning wastes
- Painting wastes
- Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids
- Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste
- Refinery wastes
- Liquid and solid wastes generated by crude oil and tank bottom reclaimers
- Used equipment lubrication oils
- Waste compressor oil, filters, and blowdown
- Used hydraulic fluids
- Waste solvents
- Waste in transportation pipeline-related pits
- Caustic or acid cleaners
- Boiler cleaning wastes
- Boiler refractory bricks
- Incinerator ash
- Laboratory wastes
- Sanitary wastes
- Pesticide wastes
- Radioactive tracer wastes
- Drums, insulation and miscellaneous solids.

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

-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 and Gas Exploration and Development. (1989).

The road shall be constructed/upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Construction/upgrading shall include ditching, draining, and crowning (2 to 3%). Graveling or capping the roadbed will be required as necessary to provide a well constructed safe road. Prior to construction/upgrading, the proposed road surface or existing 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. Should mud holes develop, they shall be filled in to prevent detours. 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 crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. When snow is removed from the road during the winter months, the snow should be pushed outside of the burrow ditches and the turn outs should be kept clear so that when the snow melts the water will be channeled away from the road.

-If the well becomes a producing well the following stipulations will apply:

1. If a condensate tank is installed, it will be a low profile tank.
2. The location topsoil pile will be broadcast seeded with the following seed mix:

Winterfat	Ceratoides lanata	6 lbs/acre
Needle and Tread	Stipa comata	8 lbs/acre
Shadscale	Atriplex confertifolia	6 lbs/acre
Blue grama	Bouteloua gracilis	4 lbs/acre

3. The reserve pit will be filled, recontoured, topsoil respread, and then seeded with the same seed mix stipulated above. If the seed is drilled on the reserve pit, the poundage can be cut in half. All seed should be pure live seed.

SEGO RESOURCES

September 24, 1997

SELF-CERTIFICATION STATEMENT

Please be advised that Sego Resources Corp. is the operator of Sego Resources Well No. 4; SW/4, NE/4, Section 31, Township 11 South, Range 16 East; Lease UTU 73425, Duchesne County, Utah; and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by American Casualty Company under their Bond Number 158577991.


Chief Executive Office

SPUDDING INFORMATION

Name of Company: SEGO RESOURCES

Well Name: SEGO RESOURCES # 4

Api No. 43-013-31949

Section: 31 Township: 11S Range: 16E County: DUCHESNE

Drilling Contractor: _____

Rig # _____

SPUDDED:

Date: 10/29/97

Time: 11:00 AM

How: DRY HOLE

Drilling will commence: _____

Reported by: KEN ALLEN

Telephone NO.: _____

Date: 10/30/97 Signed: JLT

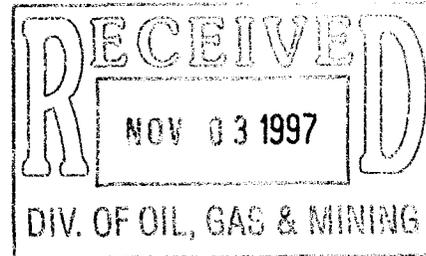
✓

COCHRANE RESOURCES, INC.

Engineering
Wellsite Supervision
Lease Operating

P.O. Box 1656
Roosevelt, Utah 84066
Phone (801) 722-5081

October 31, 1997



State of Utah
Division of Oil, Gas, & Mining
1594 North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Dear Sir:

Sego Resources
Well No 4
Sec 31, T 11 S, R 16 E
Duchesne County, Utah

43-D13-31949

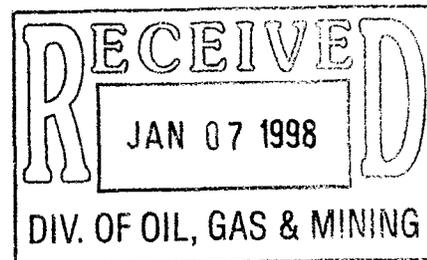
Well was spudded October 29, 1997 at 11:00 AM with Bill Martin Jr Drilling. An 11" hole was drilled to 665' with air. 656.7' of 8 5/8" 24 # csg was run and cemented to surface. Currently waiting on drilling rig.

Yours truly,

A handwritten signature in cursive script, appearing to read "Ken Allen".

Ken Allen
Agent

SEGO RESOURCES



January 6, 1998

U.S. Department of the Interior
Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, Utah 84078

Attn: Mr. Ed Forsman

Re: Progress Reports
Federal Oil & Gas Lease UTU73425
Sego Resources Well #4
API #43-013-31949
SW/4 NE/4 Sec. 31, T11S, R16E
Duchesne County, Utah

CONFIDENTIAL

Dear Mr. Forsman:

Enclosed are daily drilling reports for the first 21 days of activity on the subject well. I will blame the tardiness of getting these reports in on the holidays and do a better job in the future.

Please contact me at (435) 789-7250 if additional information is needed.

Regards,

Roger
Roger L. Alinger

Cc: DNR/DOGM

CONFIDENTIAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT TO DRILL --" for such proposals

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

SUBMIT IN TRIPLICATE

1. Type of Well:

OIL GAS OTHER:

2. Name of Operator

Sego Resources Corp.

3. Address and Telephone Number

P.O. Box 1066, 266 W. 100 N. Ste. #1, Vernal, Utah 84078

Telephone (435) 789-7250 Fax (435) 789-7261

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1813' FNL 2027' FEL, Sec. 31, T11S, R16E

CONFIDENTIAL

5. Lease Designation and Serial No.

UTU73425

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

Middle Bench

8. Well Name and No.

Sego Resources Well #4

9. API Well No.

43-013-31949

10. Field and Pool, or Exploratory Area

Wildcat

11. County of Parish, State

Duchesne, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

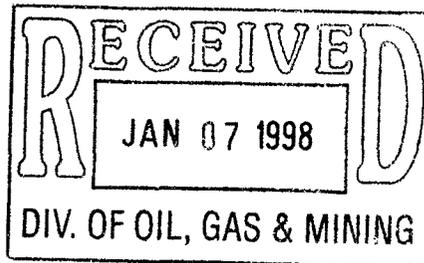
TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other: Request for extension
	<input checked="" type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completions on Well Completion or Recompletion Report and Log Form)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)*

The proposed total depth is being increased to 7000' from 6500' to encounter additional Wasatch sands.

CONFIDENTIAL



PLEASE CONSIDER ALL SUBMITTALS PERTAINING TO THIS WELL AS "COMPANY CONFIDENTIAL"

If additional information is needed, please contact the undersigned at (435) 789-7250, FAX (435) 789-7261

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

Name/Signature: Roger L. Alinger

Roger L. Alinger

Title: CEO Date: January 6, 1998

(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

Conditions of approval (if any):

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

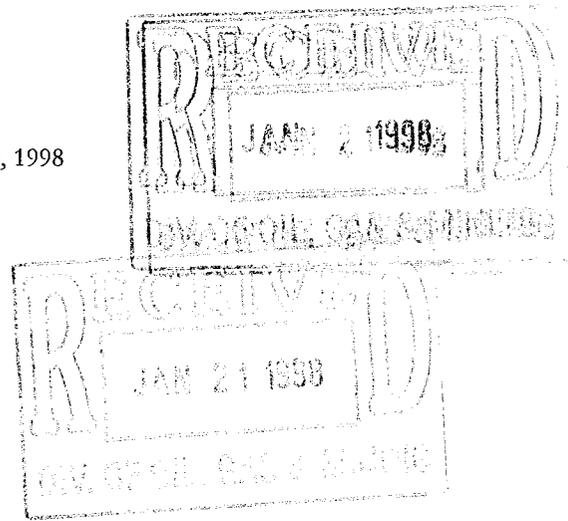
SEGO RESOURCES

January 19, 1998

U.S. Department of the Interior
Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, Utah 84078

Attn: Mr. Ed Forsman

Re: Progress Reports
Federal Oil & Gas Lease UTU73425
Sego Resources Well #4
API #43-013-31949
SW/4 NE/4 Sec. 31, T11S, R16E
Duchesne County, Utah



CONFIDENTIAL

Dear Mr. Forsman:

Enclosed are daily drilling reports for days 22-31 on the subject well. Also enclosed is a sundry notice for abandonment of the well. We will begin restoring the location soon.

Please contact me at (435) 789-7250 if additional information is needed.

Regards,

Roger
Roger L. Alinger

Cc: DNR/DOGM

SEGO RESOURCES
DAILY DRILLING REPORT

Date:	1/8/98	Well: Sego Resources Well # 4	AFE # A97104 \$351M
Depth	5976	Proj TD 7000'	Present Drilling
Prog.	67'	Formt Kw	Operation
Days	23	Supervisor: Chuck Emerson	Phone: 801-790-3337
			Rig: Molen # 1

MUD DATA

Mud Type	gel water	Daily Mud Cost	Cum Mud Cost
Pit Vol, Bbls	400	Hole Vol. 339	Vendor Mustang Drilling
Wt	9.5	Vis 36	Engr. Craig Hart
Sol.	8.4	PV 12	Yp 7
	O/W 0/91.6	ES 1 1/4	Cl 400
		Gels 2/4	API WL 8.8
		Ca 60	LCM Tr
			pH 9.5
			pf/mf .2/.55

DRILLING DATA

Bit #	Size	Mfgr	Type	S/N	Jets	In	Out	Ftg	Hrs	ROP	RPM	WOB	C Grading
1	7 7/8"	STC	F15H	N4058	3/16s	665'	3290'	2625'	63	41.7	70	40	
2	7 7/8"	STC	F-2H	N3967	3/16s	3290'	3714'	424'	33 1/2	12.6	70	40	
3	7 7/8"	STC	F-14	M5443	3/16's	3714'	4771'	1057'	86	12.5	70	40	
4	7 7/8"	SEC	ERA18	7E+05	3/16's	4771'	5924'	1144	117	9.9	70	40	
5	7 7/8"	STC	F-15	LP274	3/16's	5924'		52'	5 1/2	9.5	70	40	

BHA #	In @	Description	Length	Wt.
1	615'	bit, bit sub, 20-6" DC	581.43'	41K
2	3714'	bit, bit sub, 14-6" DC, dtlg jars, 6-6" DC's	594.08'	42K

Hookload, M#	68K	Torque	Drag (+Up/-Down), M#	Allow Max Pull, M#	170K
--------------	-----	--------	----------------------	--------------------	------

Pump	Make	Model	Stk	Lnr	SPM	GPM	Press	Deviation Surveys					
Data, #1	Emasco	D-375	14	6"	52	285	650	Depth	Incl	Azim	TVD	E/-W	N/-S
#2								1025'	1				

ECD	AVDC	AVDP	AVDP	1605'	1 1/2
-----	------	------	------	-------	-------

Jet Vel	Kill SPM	Kill Press	2130'	1 3/4
---------	----------	------------	-------	-------

BGG	CG	TG	Vendor	3250'	2
-----	----	----	--------	-------	---

Max	@	Engr	4768'	1 3/4
-----	---	------	-------	-------

CASING DATA

Size	Top	Depth	Wt	Gr	Shoe Test, ppg
8 5/8"	surf.	657'	24	J-55	

DESCRIPTION OF DAILY ACTIVITIES

Time	Date Last Bop Test	Date Last Bop Drill	Tour
0700 To	Hrs.	Date Last PVT Check	
9:00	2	Drilling	
11:00	2	Circ & Cond Drop survey	
14:00	3	TOOH f/bit #5	
17:30	3 1/2	Rig repair-mud pump	
21:30	4	TIH	
22:00	1/2	Wash & Ream 26' soft fill	
23:00	1	Drilling	
1:00	2	Rig repair-mud pump	
4:00	3	Drilling	
4:30	1/2	Rig repair-mud pump	
6:00	1 1/2	Drilling	
7:00	1	Rig repair-mud pump	

SEGO RESOURCES
DAILY DRILLING REPORT

Date:	1/15/98	Well: Sego Resources Well # 4	AFE # A97104 \$351M
Depth	6992'	Proj TD 7000'	Present Plugging
Prog.	0	Format Kw	Operation
Days	30	Supervisor: Chuck Emerson	Phone: 801-790-3337
			Rig: Molen # 1

MUD DATA

Mud Type	gel water	Daily Mud Cost	Cum Mud Cost
Pit Vol, Bbls	400	Hole Vol. 431	Vendor Mustang Drilling
Wt	9.4	Vis 38	Engr. Craig Hart
Sol.	7.7	PV 14 YP 9	Gels 2/4 API WL 8.8
		ES 1	HTHP pH 9.5
		CI 400	Ca 60 LCM Tr
			pH 9.5

DRILLING DATA

Bit #	Size	Mfgr	Type	S/N	Jets	In	Out	Ftg	Hrs	ROP	RPM	WOB	C Grading
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3	7 7/8"	STC	F-14	M5443	3/16's	3714'	4771'	1057'	86	12.5	70	40	
4	7 7/8"	SEC	ERA18	7E+05	3/16's	4771'	5924'	1144	117	9.9	70	40	
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Hookload, M#	68K	Torque	Drag (+Up/-Down),M#	Allow Max Pull, M#	170K								
Pump	Make	Model	Stk	Lnr	SPM	GPM	Press	Deviation Surveys					
Data, #1	Emasco	D-375	14	6"	52	285	800	Depth	Incl	Azim	TVD	E/-W	N/-S
#2								1025'	1				
ECD	AVDC	AVDP	AVDP					1605'	1 1/2				
Jet Vel	Kill SPM	Kill Press						2130'	1 3/4				
BGG	CG	TG	Vendor					3250'	2				
Max	@	Logger	Bill Small					4768'	1 3/4				

CASING DATA

Size	Top	Depth	Wt	Gr	Shoe Test, ppg
8 5/8"	surf.	657'	24	J-55	

DESCRIPTION OF DAILY ACTIVITIES

Time	Date Last Bop Test	Date Last Bop Drill	Tour
0700 To	Hrs.	Date Last PVT Check	
8:00	1	TIH w/DC	
10:30	2 1/2	w/o LD crew	
11:00	1/2	RU LD crew	
12:30	1 1/2	LDDC	
16:30	4	RD flag & TIH 206 jts OE to 6419'	
18:00	1 1/2	RU flag & LD 38 Jts to 5243'	
20:00	2	Spot 200' plug: 150 sk class "G" w/2% CaCl (50% excess) Held O.K.	
22:00	2	LD 65 jts to 3223' (load out 92 jts rental driil pipe)	
23:00	1	Spot 200' plug: 150 sk class "G" w/2% CaCl (30% excess) Held O.K.	
3:00	4	Pull 10 stands WO cement. RIH to tag cement. Plug set OK	
6:30	3 1/2	LD 79 jts to 753'	
7:00	1/2	Spot 200' plug: 80 sk class "G" w2% CaCl (10% excess) Held OK	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT TO DRILL --" for such proposals

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

SUBMIT IN TRIPLICATE

1. Type of Well:
OIL GAS OTHER:

2. Name of Operator
Sego Resources Corp.

3. Address and Telephone Number
P.O. Box 1066, 266 W. 100 N. Ste. #1, Vernal, Utah 84078
Telephone (435) 789-7250 Fax (435) 789-7261

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1813' FNL 2027' FEL, Sec. 31, T11S, R16E

5. Lease Designation and Serial No.

UTU73425

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

Middle Bench F

8. Well Name and No.

Sego Resources Well #4

9. API Well No.

43-013-31949

10. Field and Pool, or Exploratory Area

11. County of Parish, State

Duchesne, Utah

CONFIDENTIAL

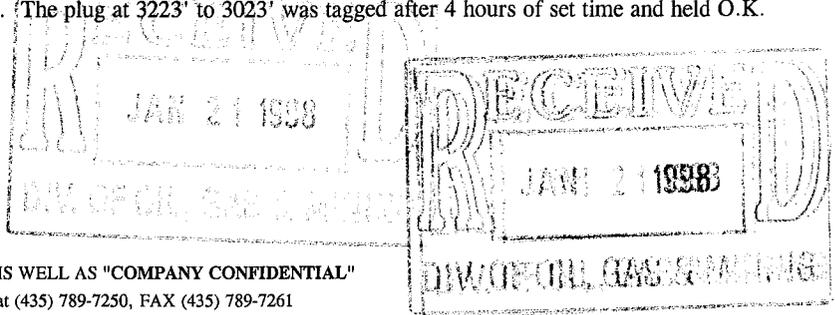
12 CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input checked="" type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
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	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completions on Well Completion or Recompletion Report and Log Form)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)*

The Sego Resources well #4 was plugged on January 14 and 15 by setting the following plugs: 200' class "G" (w/50% excess) from 5243' to 5043', 200' class "G" (w/30% excess) from 3223' to 3023', 200' class "G" (w/10% excess) from 753' to 553', and a final 50 sk class "G" plug from 94' to surface. The plug at 3223' to 3023' was tagged after 4 hours of set time and held O.K.



PLEASE CONSIDER ALL SUBMITTALS PERTAINING TO THIS WELL AS "COMPANY CONFIDENTIAL"
If additional information is needed, please contact the undersigned at (435) 789-7250, FAX (435) 789-7261

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

Name/Signature: Roger L. Alinger *Roger L. Alinger* Title: CEO Date: January 16, 1998

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval (if any):

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM - FORM 6

OPERATOR Sego Resources
ADDRESS P.O. Box 1066
266 W 100 N #2
Vernal, UT 84078

OPERATOR ACCT. NO. N 6095

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION				COUNTY	SPUD DATE	EFFECTIVE DATE
					OO	SC	TP	RG			
A	99999	12349	43-013-31446	Sego Resources Well #1	SW/4 NW/4	23	11S	15E	Oucheswe	10/24/97	
WELL 1 COMMENTS: CONFIDENTIAL Entity added 4-17-98. (Middle Bench Unit) <i>fec</i>											
B	99999	12349	43-013-31449	Sego Resources Well #4	SW/4 NE/4	31	11S	16E	Oucheswe	10/29/97	
WELL 2 COMMENTS: CONFIDENTIAL Entity added 4-17-98. (middle bench unit) <i>fec</i>											
A	99999	12349	43-013-31447	Sego Resources Well #2	SW/4 NE/4	23	11S	15E	Oucheswe		
WELL 3 COMMENTS: CONFIDENTIAL #2 was never spudded. Instead, all material was moved to Twin Knolls 5-9J and it was spud on 1/19/98 Entity added 4-17-98. (middle bench unit) <i>fec</i>											
A	99999	12350	43-013-31996	Twin Knolls 5-9J	SW/4 NW/4	9	11S	17E	Oucheswe	1/19/98	
WELL 4 COMMENTS: CONFIDENTIAL Entity added 4-17-98. <i>fec</i>											
A	99999	12351	43-013-31994	Twin Knolls 15-8J	SW/4 SE/4	8	11S	17E	Oucheswe	1/31/98	
WELL 5 COMMENTS: CONFIDENTIAL Entity added 4-17-98. <i>fec</i>											

- ACTION 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.

(3/89)

R. S. Alinger
Signature
CEO
Title
4-17-98
Date
Phone No. (435) 789-7250

APR-17-98 10:29 AM Sego Resources Corp. 801 789 7261 P. 02

PHONE CONVERSATION DOCUMENTATION FORM

✓ Copy?

Conversation Pertains to:

WELL

OTHER

Sego Resources 4

Section 31 Township 11 S Range 16 E

API Number 43-013-31949

Topic of Conversation: Well Completion Report

Date of Phone Call: 4/6/99

Time: 10:30 Am

DOGMEmployee (name): Don Staley

✓ Initiated Call?

Spoke with:

Name: Roger Alinger

✓ Initiated Call?

Of (company/organization): Sego Resources Phone: 303-799-0324

Highlights of Conversation:

DTS Requested WCR for well.

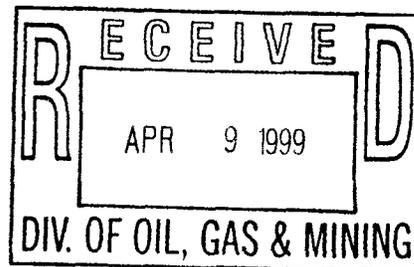
Mr. Alinger said he would submit one.
Well is PxA'd

SEGO RESOURCES

AN EXPLORATION AND PRODUCTION COMPANY

April 6, 1999

Mr. Don Stahley
Dept. Natural Resources,
Div. Oil Gas and Mining
P.O. Box 145801
Salt Lake City, UT 84114-5801



Dear Mr. Stahley:

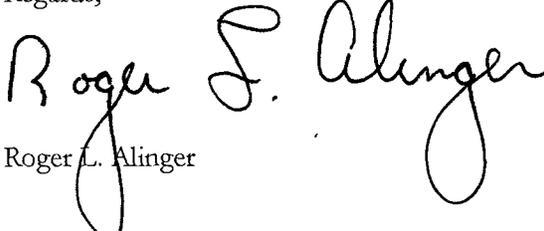
Enclosed please find the following documents:

- 1) Sego Resources Well #4 Completion Report – minted just for DOGM
- 2) Completion Report on Twin Knolls 5-9J
- 3) Completion Report on Twin Knolls 15-8J
- 4) DOGM and BLM approval for 1 year extension of Twin Knolls 11-9J APD
- 5) DOGM and BLM approval for 1 year extension of Twin Knolls 7-8J APD
- 6) MMS report showing Petroglyph as operator of the Ute Tribal 29-13 D3E well
- 7) Preliminary Completion Report on the Ute Tribal 29-13 D3E well.

As discussed, Petroglyph has taken over operatorship of the Ute Tribal 29-13 D3E well and completed it in a zone above that shown on our completion report. I'm not sure who is in their Roosevelt, UT office now but if you are still missing information, the person to contact in Hutchinson, KS is Ken Smith at (316) 665-8500.

If I can be of further assistance, please contact me.

Regards,


Roger L. Alinger

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells or to deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT TO DRILL --" for such proposals

FORM APPROVED Budget Bureau No. 1004-0135 Expires March 31, 1993

SUBMIT IN TRIPLICATE

1. Type of Well:

OIL [] GAS [X] OTHER: []

2. Name of Operator

Sego Resources Corp.

3. Address and Telephone Number

P.O. Box 1066, 266 W. 100 N. Ste. #1, Vernal, Utah 84078 Telephone (435) 789-7250 Fax (435) 789-7261

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1813' FNL 2027' FEL, Sec. 31, T11S, R16E

JAN 21 1998

5. Lease Designation and Serial No.

UTU73425

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

Middle Bench F

8. Well Name and No.

Sego Resources Well #4

9. API Well No.

43-013-31949

10. Field and Pool, or Exploratory Area

11. County of Parish, State

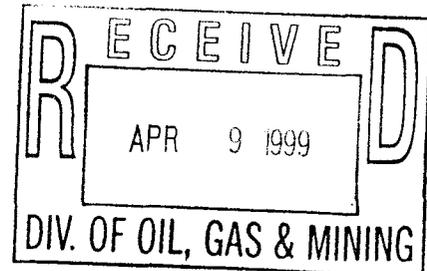
Duchesne, Utah

12 CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

Table with 2 columns: TYPE OF SUBMISSION and TYPE OF ACTION. Includes checkboxes for Notice of Intent, Subsequent Report, Final Abandonment Notice, Abandonment, Recompletion, Plugging Back, Casing Repair, Altering Casing, Other: Request for extension, Change of Plans, New Construction, Non-Routine Fracturing, Water Shut-Off, Conversion to Injection, Dispose Water.

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)*

The Sego Resources well #4 was plugged on January 14 and 15 by setting the following plugs: 200' class "G" (w/50% excess) from 5243' to 5043', 200' class "G" (w/30% excess) from 3223' to 3023', 200' class "G" (w/10% excess) from 753' to 553', and a final 50 sk class "G" plug from 94' to surface. The plug at 3223' to 3023' was tagged after 4 hours of set time and held O.K.



PLEASE CONSIDER ALL SUBMITTALS PERTAINING TO THIS WELL AS "COMPANY CONFIDENTIAL" If additional information is needed, please contact the undersigned at (435) 789-7250, FAX (435) 789-7261

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

Name/Signature: Roger L. Alinger Roger L. Alinger

Title: CEO Date: January 16, 1998

(This space for Federal or State office use)

Approved by

Signature of Assistant Field Manager

Assistant Field Manager Mineral Resources Title

Date: MAR 23 1998

Conditions of approval (if any):

Title 18 U.S.C. Section 1001 makes it a crime for any person knowingly and willfully to make to any department or any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

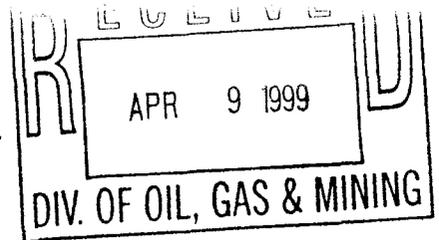
*See Instructions On Reverse Side

OPERATOR



United States Department of the Interior
BUREAU OF LAND MANAGEMENT

Vernal Field Office
170 South 500 East
Vernal, Utah 84078-2799



Phone: (435) 781-4400
Fax: (435) 781-4410

IN REPLY REFER TO:
3162
UT08300

October 13, 1998

CERTIFIED MAIL
Return Receipt Requested
P 594 453 431

Sego Resources Corporation
Mr. Roger L. Alinger
9137 East Mineral Circle
Englewood, Colorado 80112 -3433

OPTIONAL FORM 99 (7-90)

FAX TRANSMITTAL

of pages 2

To	Roger Alinger	From	Sven Olmsted
Dept./Agency	Sego Resource	Phone #	435-781-4468
Fax #	303-789-0333	Fax #	

NSN 7540-01-317-7388 5099-101 GENERAL SERVICES ADMINISTRATION

Re: Surface Reclamation
Well No. 4
SWNE Section 31, T11S, R16E
Lease No. 73425

Mr. Alinger:

This letter is in response to your inquiry of October 2, 1998. At that time you requested that the Vernal Field Office re-evaluate the requirements for reclamation of the above referenced well location. On March 23, 1998 a Subsequent Report of Abandonment was approved and detailed reclamation requirements were attached as Conditions of Approval.

Your recent concern was that most of the access road to the location had been previously developed in the 1950's and that reclamation of that segment of the access was not Sego Resources Corporations obligation. The approval of the Application for Permit to Drill Well No. 4 was relatively mute on reclamation obligations in the Surface Use Program.

The Vernal Field Office has re-evaluated the issue and is modifying the reclamation requirement as stated in Condition of Approval #2 of the Subsequent Report. The following shall be Segos Resources Corporations obligation for reclamation of the area:

Sego Resources Corporation shall recontour all disturbed surfaces that were newly developed for the drilling of Well No. 4 to near natural contours. All cuts, fills, borrow ditches, and berm will not be noticable. These surfaces include the well pad location and the 0.3 mile of access as proposed in the Application for Permit to Drill. All other Conditions beside #2 of the Subsequent Report still apply. Where the north end of the reclaimed access road meets the old road surface Sego Resources shall develop a slight berm to reduce the possibility that vehicles will try to travel the reclaimed surfaces.

An adversely affected party who contests a decision of the Authorized Officer may request an administrative review before the Utah BLM State Director. Such requests, including supporting documentation, shall be filed with the State Director within twenty (20) business days from the date the decision was received. Upon request and showing good cause, an extension for submitting supporting data may be granted by the State Director. Requests for administrative review should be sent to: State Director, Bureau of Land Management, Utah State Office, P.O. Box 45155, Salt Lake City, Utah 84145-0155.

If you should have any questions please contact Stan Olmstead (435-781-4468) of this Office.

Sincerely,



Howard B. Cleavinger II
Assistant Field Manager

FORM 3160-4
(November 1983)
(Formerly 9-330)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

FORM APPROVED
Budget Bureau No 1004-0137
Expires: August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1 a. TYPE OF WELL OIL WELL GAS WELL OTHER

b. TYPE OF COMPLETION NEW WELL WORK OVER
 DEEPEEN DIFF. RESERV. OTHER Dry Hole

2. NAME OF OPERATOR
Sego Resources Corp.

3. ADDRESS OF OPERATOR
9137 E. Mineral Circle, Suite 250, Englewood, CO 80112

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At Surface
1813' FNL 2027' FEL, Sec 31, T11S, R16E
At Proposed Producing Zone
At Total Depth: Same

5. LEASE DESIGNATION AND SERIAL No.
UTU 73425

6. IF INDIAN, ALLOTTEE OR TRIBAL NAME

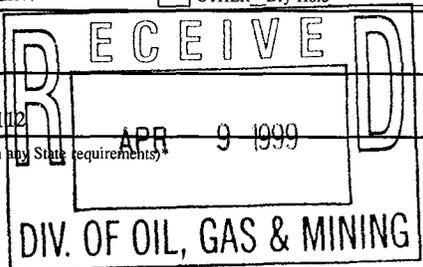
7. UNIT AGREEMENT NAME
Middle Bench

8. FARM OR LEASE NAME

9. WELL NAME
Sego Resources Well #4

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. QQ, SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
SW/NE Sec 31, T11S, R16E



14. PERMIT NO. 43-013-31949		DATE ASSIGNED 9/30/97		12. COUNTY Duchesne	13. STATE Utah
15. SPUD DATE 10/29/77	16. DATE TD REACHED 1/13/98	17. DATE COMPL. (Ready to prod.) N/A 1-15-98	18. ELEVATIONS (DF, RKB, RT, GL, ETC.)* 6529' KB	19. ELEV. CASINGHEAD 6517 GL	
20. TOTAL DEPTH, MD & TVD 6992'	21. PLUG BACK TD, MD & TVD 6992' surface	22. IF MULTIPLE COMPL., HOW MANY?*		23. INTERVAL DRILLED BY Rotary? Cable Tools? x	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION -- TOP, BOTTOM, NAME (MD & TVD) N/A				25. WAS DIRECTIONAL SURVEY MADE? no	
26. TYPE ELECTRIC AND OTHER LOGS RUN AIT & FDC/CNL 2-17-98			27. WAS WELL CORED? () Yes (x) No (Submit Analysis) DRILL STEM TEST? () Yes (x) No (See Reverse Side)		

28. CASING RECORD (Report all strings set in well)

SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24	657'	11"	cement to surface w/240 sx class G	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size, and number) Cement Plugs set: 5043' to 5243' 3023' to 3223' 553' to 753' surface to 94'	32. CID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33. PRODUCTION						
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) Flowing				WELL STATUS (Producing or shut-in) Well P&A'd on January 15, 1998
DATE OF TEST	HOURS TESTED	COKE SIZE	PROD'N FOR TEST PERIOD	OIL--BBL.	GAS--MCF	WATER--BBL.
FLOW. TBG PRESSURE		CSG PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF	WATER--BBL.

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that this report is true and complete to the best of my knowledge

Signed: R.L. Alinger *Roger S Alinger* Title: District Operations Manager

See Spaces for Additional data on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT TO DRILL --" for such proposals

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.
UTU73425
6. If Indian, Allottee or Tribe Name
N/A
7. If Unit or CA, Agreement Designation
Middle Bench U
8. Well Name and No.
Sego Resources Well #4
9. API Well No.
43-013-31949
10. Field and Pool, or Exploratory Area
Wildcat
11. County of Parish, State
Duchesne, Utah

1. Type of Well:
OIL GAS OTHER:

2. Name of Operator
Sego Resources Corp.

3. Address and Telephone Number
P.O. Box 1066, 266 W. 100 N. Ste. #1, Vernal, Utah 84078
Telephone (435) 789-7250 Fax (435) 789-7261

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1813' FNL 2027' FEL, Sec. 31, T11S, R16E

12 CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other See Below
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completions on Well Completion or Recompletion Report and Log Form)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)*

Sego Resources Corp. effective September 2, 1999 merged into Falcon Creek Resources, Inc.

Falcon Creek Resources, Inc.
621 17th Street, Suite 1800
Denver CO. 80293-0621

The bonds in effect are attached.
Sego Resources, Corp. bond's will have a name change to read Falcon Creek Resources, Inc.

PLEASE CONSIDER ALL SUBMITTALS PERTAINING TO THIS WELL AS "COMPANY CONFIDENTIAL"
If additional information is needed, please contact the undersigned at (435) 789-7250, FAX (435) 789-7261

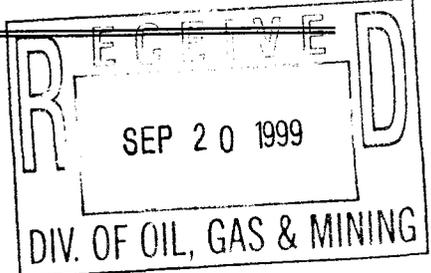
14 I hereby certify that the foregoing is true and correct.
Name/Signature: Joe H. Cox Jr. Joe H. Cox Jr. Title: Senior Engineer Date: September 17, 1999

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval (if any):

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instructions On Reverse Side





United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

In Reply Refer To:
3106
UTU-62159 et al
(UT-932)

SEP 21 1999

NOTICE

Falcon Creek Resources, Inc.
621 17th Street, Suite 1800
Denver, CO 80293-0621

Oil and Gas

Merger Recognized

Acceptable evidence has been filed in this office concerning the merger of Sego Resources Corp. into Falcon Creek Resources, Inc. with Falcon Creek Resources, Inc. being the surviving entity.

For our purposes the merger is recognized effective September 7, 1999, the date the Secretary of State of the State of Delaware recognized the merger.

The oil and gas lease files identified on the enclosed exhibit have been noted as to the merger. The exhibit is the list supplied by Falcon Creek Resources, Inc. We have not adjudicated the case files to determine if the entity affected by the merger holds an interest in the leases identified, nor have we attempted to identify leases where the entity is the operator on the ground, maintaining no vested record title or operating rights interest. We are notifying the Minerals Management Service and all applicable BLM offices of the merger by a copy of this notice. If additional documentation for a change of operator is required by our Field Offices, you will be contacted by them.

By recognition of the merger the principal is automatically changed by operation of law from Sego Resources Corp. to Falcon Creek Resources, Inc. on Statewide Surety Bond No. 158577991 (BLM Bond No. UT1089).

/s/ Robert Lopez

Robert Lopez
Chief, Branch of
Minerals Adjudication

Enclosure

Exhibit of Leases

cc: Moab Field Office
Vernal Field Office
MMS—Reference Data Branch, MS 3130, P.O. Box 5860, Denver, CO 80217
State of Utah, DOGM, Attn: Kristen Risbeck (Ste. 1210), Box 145801, SLC, UT 84114
American Casualty Company of Reading Pennsylvania, CNA Plaza, Chicago, IL 60685
Irene Anderson (UT-932)
Teresa Thompson (UT-931)
LaVerne Steah (UT-942)

SEP 23 1999

DEPT. OF OIL, GAS & MINING

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT TO DRILL --" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well:
OIL GAS OTHER:

2. Name of Operator
Falcon Creek Resources, Inc.

3. Address and Telephone Number
621 17th Street, Suite 1800
Telephone (3 303-675-0007

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1813' FNL 2027' FEL, Sec. 31, T11S, R16E

5. Lease Designation and Serial No.
UTU73425

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA, Agreement Designation
Middle Bench U

8. Well Name and No.
Sego Resources Well #4

9. API Well No.
43-013-31949

10. Field and Pool, or Exploratory Area
Wildcat

11. County of Parish, State
Duchesne, Utah

12 CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
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<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other See Below
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completions on Well Completion or Recompletion Report and Log Form)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)*

Sego Resources Corp. effective September 2, 1999 merged into Falcon Creek Resources, Inc.

Falcon Creek Resources, Inc.
621 17th Street, Suite 1800
Denver CO. 80293-0621

The bonds in effect are attached.
Sego Resources, Corp. bond's will have a name change to read Falcon Creek Resources, Inc.

PLEASE CONSIDER ALL SUBMITTALS PERTAINING TO THIS WELL AS "COMPANY CONFIDENTIAL"
If additional information is needed, please contact the undersigned at (435) 789-7250, FAX (435) 789-7261

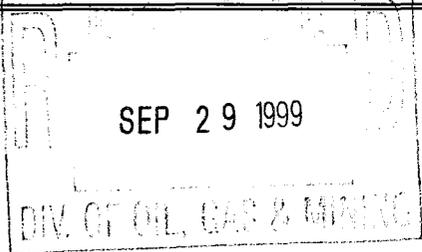
14 I hereby certify that the foregoing is true and correct.
Name/Signature: Joe H. Cox Jr.  Title: Senior Engineer Date: September 27, 1999

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval (if any):

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instructions On Reverse Side



OPERATOR CHANGE WORKSHEET

1- GEN	4-KAS ✓
2-CDW	3-CDW ✓
3-JLT	6-FILE

Check each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (Well Sold) Designation of Agent
 Operator Name Change Only Merger

The operator of the well(s) listed below has changed, effective: 9-1-99

TO:(New Operator) FALCON CREEK RES., INC.
 Address: 621 17TH ST., STE 1800
DENVER, CO 80293-0621
Linda Baker
 Phone: 1-(303) 675-0007
 Account No. N2915

FROM:(Old Operator) SEGO RESOURCES CORP.
 Address: P. O. BOX 1066
VERNAL, UT 84078-4362
 Phone: 1-(435)-789-7250
 Account No. N6095

WELL(S):	CA No.	N/A	or	N/A	Unit
Name: <u>SEGO RESOURCES 4</u>	API: <u>43-013-31949</u>	Entity: <u>12349</u>	S	<u>31</u>	T <u>11S</u> R <u>16E</u> Lease: <u>U-73425</u>
Name: <u>TWIN KNOLLS 15-8J</u>	API: <u>43-013-31994</u>	Entity: <u>12351</u>	S	<u>8</u>	T <u>11S</u> R <u>17E</u> Lease: <u>U-75672</u>
Name: <u>TWIN KNOLLS 11-9J</u>	API: <u>43-013-31997</u>	Entity: <u>99999</u>	S	<u>9</u>	T <u>11S</u> R <u>17E</u> Lease: <u>U-74403</u>
Name: <u>TWIN KNOLLS 5-9J</u>	API: <u>43-013-31996</u>	Entity: <u>12350</u>	S	<u>9</u>	T <u>11S</u> R <u>17E</u> Lease: <u>U-74403</u>
Name: <u>TWIN KNOLLS 7-8J</u>	API: <u>43-013-31995</u>	Entity: <u>99999</u>	S	<u>8</u>	T <u>11S</u> R <u>17E</u> Lease: <u>U-75672</u>
Name: _____	API: _____	Entity: _____	S	_____	T _____ R _____ Lease: _____
Name: _____	API: _____	Entity: _____	S	_____	T _____ R _____ Lease: _____
Name: _____	API: _____	Entity: _____	S	_____	T _____ R _____ Lease: _____
Name: _____	API: _____	Entity: _____	S	_____	T _____ R _____ Lease: _____

OPERATOR CHANGE DOCUMENTATION

- YES 1. A pending operator change file has been set up.
YES 2. (R649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator on 9-20-99.
YES 3. (R649-8-10) Sundry or other legal documentation has been received from the **NEW** operator on 9-29-99.
YES 4. The new company has been looked up in the **Department of Commerce, Division of Corporations Database** if the new operator above is not currently operating any wells in Utah. Is the operator registered with the State?
 Yes/No If yes, the company file number is 224062 if no, Division letter was mailed to the new operator on _____
YES 5. **Federal and Indian Lease Wells.** The BLM or the BIA has approved the merger, name change or operator change for all wells listed above involving Federal or Indian leases on 9-7-99.
N/A 6. **Federal and Indian Units.** The BLM or the BIA has approved the successor of unit operator for all wells listed above involving unit operations on _____.
N/A 7. **Federal and Indian Communitization Agreements ("CA").** The BLM or the BIA has approved the operator change for all wells listed above involved in the CA on _____.

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH		4-KAS ✓
2. CDW ✓		5-SJ ✓
3. JLT		6-FILE

Enter date after each listed item is completed

Change of Operator (Well Sold)

Designation of Agent

Operator Name Change (Only)

X Merger

The operator of the well(s) listed below has changed, effective:

7-14-2000

FROM: (Old Operator):

FALCON CREEK RESOURCES INC

Address: 621 17TH STREET STE 1800

DENVER, CO 80293-0621

Phone: 1-(303)-675-0007

Account No. N2915

TO: (New Operator):

SAPIENT ENERGY CORPORATION

Address 621 17TH STREET STE 1800

DENVER, CO 80293-0621

Phone: 1-(303)-675-0007

Account N1385

CA No.

Unit:

WELL(S)

NAME	API NO.	ENTITY NO.	SEC. TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
SEGO RESOURCES # 3	43-013-31948	99999	23-11S-15E	FED	GW	LA
SEGO RESOURCES # 4	43-013-31949	12349	31-11S-16E	FED	GW	PA
SEGO RESOURCES # 1	43-013-31946	12349	23-11S-15E	FED	WS	A
TWIN KNOLLS 7-8J	43-013-31995	99999	08-11S-17E	FED	GW	LA
TWIN KNOLLS 15-8J	43-013-31994	12351	08-11S-17E	FED	GW	S
TWIN KNOLLS 5-9J	43-013-31996	12350	09-11S-17E	FED	GW	S
TWIN KNOLLS 11-9J	43-013-31997	99999	09-11S-17E	FED	GW	LA

OPERATOR CHANGES DOCUMENTATION

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 07/25/2000
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 07/25/2000
- The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 10-17-2000
- Is the new operator registered in the State of Utah: YES Business Number: 1401148-0143
- If **NO**, the operator was contacted on: _____
- 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: 06/05/2000
- Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
- Federal and Indian Communization Agreements ("CA"):** The BLM or the BIA has approved the operator

change for all wells listed involved in a CA on: N/A

9. **Underground Injection Control ("UIC") Proj:** 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: 10/18/2000
- 2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 10/18/2000
- 3. Bond information entered in RBDMS on: N/A
- 4. Fee wells attached to bond in RBDMS on: N/A

STATE BOND VERIFICATION:

- 1. State well(s) covered by Bond No.: N/A

FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:

- 1. (R649-3-1) The **NEW** operator of any fee well(s) listed has furnished a bond: 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
- 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: _____

FILMING:

- 1. All attachments to this form have been **MICROFILMED** on: 2.26.01

FILING:

- 1. **ORIGINALS/COPIES** of all attachments pertaining to each individual well have been filed in each well file on: _____

COMMENTS:



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

In Reply Refer To:
3106
UTU-64913 et al
(UT-932)

AUG 10 2000

NOTICE

Sapient Energy Corp. : Oil and Gas
621 17th Street, Suite 1800 :
Denver, CO 80293-0621 :

Merger Recognized

Acceptable evidence has been filed in this office concerning the merger of Falcon Creek Resources, Inc. into Sapient Energy Corp. with Sapient Energy Corp. being the surviving entity.

The oil and gas lease files identified on the enclosed exhibit have been noted as to the merger. The exhibit is the list supplied by Sapient Energy Corp. We have not adjudicated the case files to determine if the entity affected by the merger holds an interest in the leases identified, nor have we attempted to identify leases where the entity is the operator on the ground, maintaining no vested record title or operating rights interest. We are notifying the Minerals Management Service and all applicable BLM offices of the merger by a copy of this notice. If additional documentation for a change of operator is required by our Field Offices, you will be contacted by them.

Oil and gas leases UTU-66477 and UTU-77375 are closed on the records of this office.

By recognition of the merger the principal is automatically changed by operation of law from Falcon Creek Resources, Inc. to Sapient Energy Corp. on Statewide Surety Bond No. 158577991 (BLM Bond No. UT1089).

/s/ Robert Lopez

Robert Lopez
Chief, Branch of
Minerals Adjudication

Enclosure
Exhibit of Leases

cc: Moab Field Office
Vernal Field Office
MMS-Reference Data Branch, MS 3130, P.O. Box 5860, Denver, CO 80217
State of Utah, DOGM, Attn: Jim Thompson (Ste. 1210), Box 145801, SLC, UT 84114
American Casualty Company of Reading Pennsylvania, CNA Plaza, Chicago, IL 60685
Irene Anderson (UT-932)
Teresa Thompson (UT-931)
LaVerne Steah (UT-942)

RECEIVED

AUG 11 2000

DIVISION OF
OIL, GAS AND MINING

Exhibit "A"

BLM Leases involved with the merger between Falcon Creek Resources, Inc. and Sapient Energy Corp.
Utah

UT U-64913	UT U-75231
UT U-64921	UT U-75232
UT U-65319	UT U-75233
UT U-65323	UT U-75670
UT U-65324	UT U-75672
UT U-65767	UT U-76760
UT U-65773	UT U-76761
UT U-65776	UT U-76809
UT U-65779	UT U-76810
UT U-65782	UT U-76811
UT U-65783	UT U-76812
UT U-65785	UT U-76814
UT U-66477	EXPIRED 12/31/1499 UT U-77336
UT U-66798	UT U-77375 EXPIRED APRIL 30, 2000
UT U-66800	
UT U-67253	
UT U-68527	
UT U-68529	
UT U-69003	
UT U-69094	
UT U-69095	
UT U-69096	
UT U-70847	
UT U-70848	
UT U-70849	
UT U-70850	
UT U-70887	
UT U-70888	
UT U-70889	
UT U-71401	
UT U-72013	
UT U-73165	
UT U-73425	
UT U-73664	
UT U-73666	
UT U-73669	
UT U-74387	
UT U-74395	
UT U-74396	
UT U-74397	
UT U-74403	

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT TO DRILL --" for such proposals

5. Lease Designation and Serial No.

UTU73425

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

Middle Bench U

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Sego Resources Well #4

9. API Well No.

43-013-31949

10. Field and Pool, or Exploratory Area

Wildcat

11. County of Parish, State

Duchesne, Utah

SUBMIT IN TRIPLICATE

1. Type of Well:

OIL GAS OTHER:

2. Name of Operator

Falcon Creek Resources, Inc.

3. Address and Telephone Number

621 17th Street, Suite 1800
Telephone (3 303-675-0007

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1813' FNL 2027' FEL, Sec. 31, T11S, R16E

12 CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

- Abandonment
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 Casing Repair
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 Water Shut-Off
 Conversion to Injection
 Dispose Water

(Note: Report results of multiple completions on Well Completion or Recompletion Report and Log Form)

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Falcon Creek Resources has merged into Sapient Energy Corporation. Please be advised of the name and address changes.
As of July 14, 2000

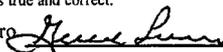
Sapient Energy Corporation (Colorado Office- Operations Office)
621 17th Street, Suite 1800
Denver CO. 80293-0621

Sapient Energy Corporation (Tulsa Office- Main office)
8801 South Yale, Suite 150
Tulsa, Oklahoma 74137

If additional information is needed, please contact the undersigned at (303) 799-0324, FAX (303) 799-0333

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

Name/Signature: Gerald Lucero



Title: Manager of Operations

Date: August 16, 2000

(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

Conditions of approval (if any):

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instructions On Reverse Side

RECEIVED

AUG 24 2000

DIVISION OF
OIL, GAS AND MINING

43-013-31949

~~43-013-12349~~

-51121

GASCO PRODUCTION COMPANY
APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL
SEGO WELL #4
TOWNSHIP 11 SOUTH, RANGE 16 EAST, SECTION 31
DUCHESNE COUNTY, UTAH

LEASE UTU-73425

API NUMBER 43-013-31949

NOVEMBER 14, 2011

TABLE OF CONTENTS

UIC FORM 1-APPLICATION FOR INJECTION WELL	
WELLBORE DIAGRAM OF PROPOSED INJECTION WELL	
WORK PROCEDURE FOR INJECTION COMPLETION	
COMPLETED RULE R649-5-1 QUESTIONNAIRE	
COMPLETED RULE R649-5-2 QUESTIONNAIRE	
ATTACHMENT A	HALF MILE RADIUS MAP
ATTACHMENT B	HALF MILE RADIUS MAP WITH LEASES
ATTACHMENT C	WELL LOCATION PLAT
ATTACHMENT D	LIST OF OPERATORS OR OWNERS AND SURFACE OWNERS WITHIN HALF-MILE RADIUS
ATTACHMENT E	CERTIFICATION FOR OWNER NOTIFICATION
ATTACHMENT F	NaCl LOG (TIF IMAGE ON POWERPOINT CD)
ATTACHMENT G	WATER ANAYSIS
ATTACHMENT H	FRACTURE GRADIENT CALCULATIONS
ATTACHMENT I	WORK PROCEDURE FOR PROPOSED PLUG AND ABANDON
ATTACHMENT J	WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL

POWERPOINT

ENCLOSURE 1	MAP, STRUCTURE, TOP WASATCH FORMATION, LINE OF CROSS SECTION
ENCLOSURE 2	CROSS SECTION

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

LIC-ORM 1

APPLICATION FOR INJECTION WELL

Name of Operator Gusco Producer Company	Utah Account Number N 2575	Well Name and Number Sogo Well #4
Address of Operator 8 Riverross Dr. E. 100 Englewood CO 80112	Phone Number (303) 483-0044	AP Number 4301331940
Location of Well Tractage: 1813 FNL, 2027 FEL County: Duchesne 30, Section, Township, Range: SWNE 31 11S 10E State: UTAH		Field or Well Name Unnamed License Designation and Number Federal UTU-73426

Is this application for expansion of an existing project? Yes No

Will the proposed well be used for:

Enhanced Recovery?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Disposal?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Storage?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>

Is this application for a new well to be drilled? Yes No

If this application is for an existing well, has a casing test been performed? Yes No

Date of test _____

Proposed injection interval: from 3,174 to 5,030

Proposed maximum injection rate: 3,000 bpd pressure 1,150 psig

Proposed injection zone consists of oil gas and/or fresh water within 1/2 mile of the well

List of attachments: Wellbore Diagram, Work Procedure, Completed Rule 6649 # 1 Questionnaire, Completed Rule 6649-5.2 Questionnaire, Attachments A-J, Powerpoint Map and Cross Section

ATTACH ADDITIONAL INFORMATION AS REQUIRED BY CURRENT UTAH OIL AND GAS CONSERVATION GENERAL RULES

I hereby certify that the information and complete to the best of my knowledge.

Name (Please Print): Robin Dean Title: Geological Manager

Signature: Robin Dean Date: 11/14/2011

(303) 996-1814 ext. 114

WELLBORE DIAGRAM OF PROPOSED INJECTION WELL

Operator : Gasco Production Co.
Field : Undesignated
Surface Location : Sec. 31, T11S - R16E
Surface Footages : 1,813' FNL & 2,027' FEL
County : Duchesne
State : Utah
API No. : 43 013 31949
Elevation : 6,520' GR

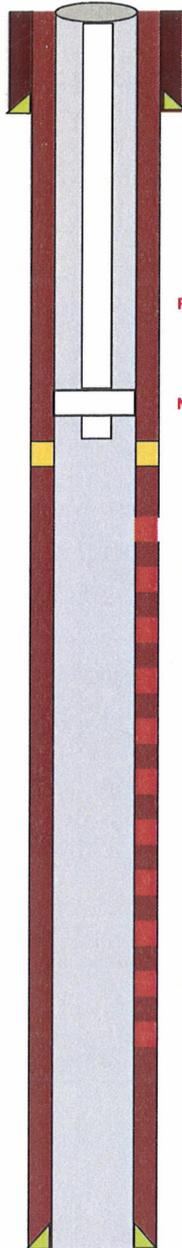
Surface Hole : 11"
Proposed Prod. Hole: 7-7/8"

Anticipated Disposal: 3000 BPD

Tubing	Length	Cum Length
KB		
Wellhead Donut		
2 7/8", 6.5# PCID (even)	+/- 3,100'	+/- 3,100'
Nickel Plated Packer	+/- 5'	+/- 3,105'
1 pup 2 7/8" 6.5# PCID	+/- 2'	3,107'

Proposed Cementing Program

+/- 5,152 - 3,120':	14.2 ppg	Stage 1
+/- 3,120 - surface:	11.5 ppg	Stage 2



Surface Casing : 8-5/8", 24#, J-55
Set at : 656.7'
Cement : 240 sx Class "G" w/
 2% CaCl₂ & 1/4# cel flake
 Cmt to surf w/223 sx away

Intermediate Casing : None
Set at : NA
Cement : NA

Proposed Prod. Casing: 5-1/2", 17#, J-55, 8R, LT&C, L-80 or J-55
Proposed Prod. Csg. Top: Surface

Nickel-Plated Ret. Packer +/- 3,100' (2-7/8" x 5-1/2")
DV Tool +/- 3,120' (5-1/2" Stage Cementing Collar)

	Feet
Perfs 3,174'-3,178', 4 SPF, 90° phasing, 39 gr., 3-3/8" hollow carrier, API 51" or better	4
Perfs 3,184'-3,218' " " " " " "	34
Perfs 3,227'-3,240' " " " " " "	13
Perfs 3,508'-3,529' " " " " " "	21
Perfs 3,831'-3,845' " " " " " "	14
Perfs 4,028'-4,066' " " " " " "	38
Perfs 4,074'-4,112' " " " " " "	38
Perfs 4,129'-4,143' " " " " " "	14
Perfs 4,710'-4,724' " " " " " "	14
Perfs 4,850'-4,855' " " " " " "	5
Perfs 5,027'-5,030' " " " " " "	3
Total	198

Rat Hole +/- 5,030'-5,060'

Float Collar +/- 5,060'-5,061'
Shoe Joint +/- 5,061'-5,106'
Shoe Joint +/- 5,106'-5,151'
Guide Shoe +/- 5,151'-5,152', TD

WORK PROCEDURE FOR PROPOSED COMPLETION

- 1) RIH w/ open-ended tubing @ swab fluid level to 4,300'. POOH.
 - 2) RIH w wireline perf. guns & shoot 5,027'-5,030', 4,850'-4,855', 4,710'-4,724', w/ 39 gr charges, 4 SPF 90 deg phasing. POOH.
(Note time of each perforating shot, changes in line weight after each shot. Pull out of fluid and tag fluid between shots and note depth of each F.L. and time of each F.L. tag)
 - 3) If satisfactory fluid influx from step (2), go to step (4a). If unsatisfactory go to step (4d)
 - 4a) Set wireline retrievable BP @ +/- 4,200'.
 - 4b) Swab F.L. down to 2,500'
 - 4c) RIH w/ tubing-conveyed guns & perf. w/ 4 SPF, 39 gr or greater charges the following:
 - 4d) RIH w wireline guns and perf. w/ 4 SPF, 39 gr charges the following.
- | | | | | |
|----|---------------|---------------|---------------|---------------|
| 5) | 4,129'-4,143' | 4,028-4,066' | 3,508'-3,529' | 3,184'-3,218' |
| | 4,074'-4,112' | 3,831'-3,845' | 3,227'-3,240' | 3,174'-3,178' |
- 6) Swab test for a stabilized rate. Stimulate perms as required by test.
 - 7) RIH with injection packer @ +/- 3,100'
 - 8) Begin salt water disposal operations

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS
RULE R649-5-1**

1. Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the board after notice and hearing.

2. A petition for authority for the injection of gas, liquefied petroleum gas, air, water, or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:

2.1. The name and address of the operator of the project.

**Gasco Production Company
8 Inverness Drive East, Suite 100
Englewood, Colorado 80112**

2.2. A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile radius of the project area.

See Attachment A.

2.3. A full description of the particular operation for which approval is requested.

Approval is requested to reenter the Sego #4 dry hole, run casing and complete it as a salt water disposal well.

2.4. A description of the pools from which the identified wells are producing or have produced.

Sego Well #4 was originally completed as a dry hole. The only other well within a half-mile radius is El Paso Unit #1, which was also completed as a dry hole.

2.5. The names, description and depth of the pool or pools to be affected.

The proposed injection well will inject into sands the upper part of the Eocene Wasatch Formation. The sands are feldspathic fluvial and braidplain deposits that were deposited by rivers flowing northward from the Uncompahgre Uplift towards Lake Uinta, which lay in the center of the Uinta Basin.

2.6. A copy of a log of a representative well completed in the pool.

Logs for Sego #4 are on file with the Utah Department of Oil, Gas and Mining.

2.7. A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.

Estimated Average Injection rate: 3,000 BWPD. rwh 11/8/11

2.8. A list of all operators or owners and surface owners within a one-half mile radius of the proposed project.

Attachment C shows the leases within a one half mile radius of Segro Well #4. Attachment D is a list of all operators or owners and surface owners within a one-half mile radius of the proposed project.

2.9. An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.

See Attachment E.

2.10. Any additional information the board may determine is necessary to adequately review the petition.

Gasco Production Company will supply any requested information to the board.

3. Applications as required by R649-5-2 for injection wells that are located within the project area, may be submitted for board consideration and approval with the request for authorization of the recovery project.

4. Established recovery projects may be expanded and additional wells placed on injection only upon authority from the board after notice and hearing or by administrative approval.

5. If the proposed injection interval can be classified as an USDW, approval of the project is subject to the requirements of R649-5-4

The proposed injection interval is not an USDW.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER
DISPOSAL, STORAGE AND ENHANCED RECOVERY WELLS
RULE R649-5-2**

1. Injection wells shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.

2. The application for an injection well shall include a properly completed UIC Form 1 and the following:

2.1. A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed well, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.

See Attachments A,B and D.

2.2. Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper, and porosity.

All logs are on file with the Utah Division of Oil, Gas and Mining

2.3. A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.

Sego Well #4 was completed as a dry hole and casing was not set. Gasco Production Company plans to run casing. A cement bond log will be run and provided.

2.4. Copies of logs already on file with the division should be referenced, but need not be refiled.

2.5. A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.

5-1/2" 17# L-80 or J-55 casing will be run from surface to +/- 5,152' through the existing 8-5/8" surface pipe set at 657'. A stage cementing collar will be located in the 5-1/2" string at +/- 3,120'.

After nipping up BOP's, the hole will be displaced with a clean fluid of known density and a packer will be run on tubing to just below surface in the 5-1/2" casing. The casing will be tested through tubing to 80% of the published yield pressure for that weight and grade of pipe and pressure held for 15 min. A chart will be scribed or a video of the gauge with commentary will be supplied as evidence of the test.

(R. V. Hoffmeyer, DTC Energy Group, 307 262-9355)

2.6. A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.

3,000 BWPD.

2.7. Standard laboratory analyses of:

2.7.1. The fluid to be injected,

Please see Attachment G for analyses from Gasco's producing wells. In addition, the disposal well will be used for the disposal of other flowback fluids such as spent acid and frac fluids.

2.7.2. The fluid in the formation into which the fluid is being injected, and
Gasco does not presently have a laboratory analysis of water from Sego #4. However, the NaCl log indicates typical Wasatch formation waters with equivalent ppm NaCl in the 11,000 to 60,000 range, generally increasing with depth, similar to gas field waters across the Uinta Basin.

2.7.3. The compatibility of the fluids.

Bill Barrett Corporation is not experiencing any problems injecting produced water from the Mesaverde and Blackhawk into disposal zones in the Wasatch at their Prickly Pear Unit 12-24 in 24-12S-14E and compatibility problems are not anticipated at Sego Well #4.

2.8. The proposed average and maximum injection pressures:

Average Injection Pressure: 1,050 psi, Maximum Injection Pressure: 1,150 psi

2.9. Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter any fresh water strata.

Injection pressures will be maintained at less than the fracture gradient of the formations to avoid initiating fractures in the Confining Zones.

The structure map on the Top of the Wasatch Formation (Powerpoint, Enclosure1) shows smooth contours with no evidence of faulting which might have caused fracturing.

2.10. Appropriate geological data on the injection interval with confining beds clearly labeled,

Please refer to the Powerpoint Enclosure 2, Cross Section. The confining beds, both the Upper Confining Zone and the Lower Confining Zone, are labeled and shaded in gray. The Upper Confining Zone, from 2987' to 3174', consists of tight shales and limestones in the top of the Wasatch and the bottom half of the Uteland Butte Limestone of the Green River

Formation. The Lower Confining Zone, from 5030' to 5400', consists of tight shales and silts in the Wasatch.

The specific Wasatch sands within the Injection Zone proposed for injection are colored in yellow and labeled in red on the cross section.

2.10.1. Nearby Underground Sources of Drinking Water, including the geologic formation name,

The nearest known USDW is the water well at Gasco's Eight Mile Flat Evaporation Facility in W/2 Section 29, Township 9 South, Range 18 East, approximately 18 miles Northwest of Sego Well #4. That water well is completed in the much shallower Uinta Formation at 80' and is located 19 miles from Sego Well #4.

2.10.2. Lithologic descriptions, thicknesses, depths, water quality, and lateral extent;

The proposed injection well will inject into sands the upper part of the Eocene Wasatch Formation. The sands are feldspathic fluvial and braidplain deposits that were deposited by rivers flowing northward from the Uncompahgre Uplift towards lake Uinta, which lay in the center of the Uinta Basin. The sands are enclosed in red, gray, green and purple continental shales. Porosities are in the 10 to 20% range and the sands should accept water. The specific injection zones are listed below:

**Sego Well #4 Proposed Water Disposal Well
Proposed Perforations**

**Base Moderately Saline Aquifer (BMSA) 2987'-new study by
Base Moderately Saline Aquifer (BMSA) 3979-old TechPub !**

Proposed Perfs	Zone	Thickness
3174-78	Wasatch	4
3184-3218	Wasatch	34
3227-40	Wasatch	13
3508-29	Wasatch	21
3831-45	Wasatch	14
4028-66	Wasatch	38
4074-4112	Wasatch	38
4129-43	Wasatch	14
4710-24	Wasatch	14
4850-55	Wasatch	3
5027-30	Wasatch	3

Total 196

The Upper Confining Zone is from 2987' to 3174' in the top of the Wasatch and the bottom half of the Uteland Butte Limestone. It consists of tight shales and limestones.

The Lower Confining Zone is from 5030' to 5400' in the Wasatch and consists of tight shales and silts.

Sego Well #4 Tops

<u>Formation</u>	<u>Depth</u>
Green River Formation	surface
Garden Gulch Member	806'
Y Marker	1597
Douglas Creek Member	1647'
BiCarbonate Marker	1820'
B Limestone Marker	1900'
Castle Peak Limestone Marker	2442'
Uteland Butte Limestone (=Basal Ls)	2909'
Top of Upper Confining Zone	2987
Wasatch Formation	3108'
Base of Upper Confining Zone	3174'
Top of Injection Zone	3174'
Base of Injection Zone	5035'
Top of Lower Confining Zone	5065'
Base of Lower Confining Zone	5400'
Total Depth	6992'
Base of USDW	2987'

The lateral extent of the sands is not well known in the area because of limited previous drilling. However, Bill Barrett Corporation has a good disposal well mainly in Upper Wasatch sands at their Prickly Pear Unit 12-24 in 24-12S-14E.

The Utah Geological Survey is in the process of updating its Moderately Saline Aquifer Study as part of a Uinta Basin water project entitled Water-Related Issues Affecting Conventional Oil and Gas Recovery and Potential Oil-Shale Development in the Uinta Basin, Utah.

The existing study, which was written in 1987, is The State of Utah Department of Natural Resources Technical Publication No. 92, *Base of Moderately Saline Ground Water in the Uinta Basin, Utah*, which indicates that USDW's do not exist at depths at below a depth of 3879' in the Wasatch At Sego #4. Technical Publication No. 92 shows the elevation of the "base of moderately saline water" (3,000 to 10,000 mg/l TDS) to be at an elevation of 2650' above sea level at the location of the proposed Sego Well #4 SWD well. The kelly bushing elevation at the location is 6529' above sea level, so based on Technical Publication No. 92, the base of moderately saline water occurs at a depth of 3879' at the proposed Federal Sego Well #4 SWD well. 3879' is below the top of the proposed perforations.

However, Technical Publication No. 92 is obsolete, and the Sego Well #4 had not been drilled when it was written. Gasco supplied the digital log files on Sego Well #4 to the Utah Geological Survey. The UGS plans to incorporate the data point for Sego Well #4 in the new map with a BMSA

(Base of the Moderately Saline Aquifer) at 2987' in the well. 2987' is in the Green River Formation, above the Wasatch zones proposed for disposal. Gasco has been in touch with the Principal Investigator for the study, Michael D. Vandenberg (michaelvandenberg@utah.gov) and the consulting geologist conducting the Moderately Saline Aquifer Study, Paul B. Anderson (paul@pbageo.com). The following attachment is part of the most recent personal communication between Paul Anderson and Gasco concerning the BMSA in the Sego Well #4. 4301331949 is the API Number for the well.

Utah Geological Survey Personal Communication Regarding the BMSA in Sego Well #4.

From: Paul B Anderson [<mailto:paul@pbageo.com>]
Sent: Thursday, February 03, 2011 6:03 PM
To: Robin Dean
Subject: Response to your request

Robin

I have examined the three wells you sent my way (4301331949, 4301332611, and 4301310484). I will drop the state number in the API as a short hand for naming the wells by API. The 13-31949 was put through the normal processing and the "Pfeffer sheet" is attached as a spreadsheet using the full API number to identify the well. I hope all the fields are clearly identified, but call if you need further explanation. I examined 6 units or zones in this well, trying to bracket the BMSA (base of the moderately saline aquifer). The "Rw Best estimate" is shown in column K, rows 21 to 25 and adjusted to 68°F. I have adjusted the temperature to an estimated "equilibrium temperature" using a formula from Chapman's research on temperatures in the Uinta basin. Clearly you can see the BMSA lies between units 3 and 4 based on Rwa. Using my continuous log of Rwa (using density of 2.68) and the estimated Rw for water with NaCl of 10,000 mg/l, I further refined my estimate of the BMSA in the well to a depth of 2,987'. I feel very good about the estimate in this well. The logs were excellent and the Rwa contrast was very great over a short interval. I rank by confidence in this estimate at 3.8 out of a 4.0. I plan to use this value in the final report, with the right to revise, but see that as highly unlikely.

Gasco made a log template in PRIZM petrophysical software to automate the process of looking for the BMSA and zones saline enough (>10,000 ppm Total Dissolved Solids which approximates 10,000 ppm equivalent NaCl). Required inputs are digital resistivity and porosity curves, the total depth and bottom hole temperature and the average surface temperature (45 deg F). The template assumes that zones are water saturated and uses the Archie equation to calculate Rwa. Then it uses the formulae on the following chart to calculate ppm equivalent NaCl.

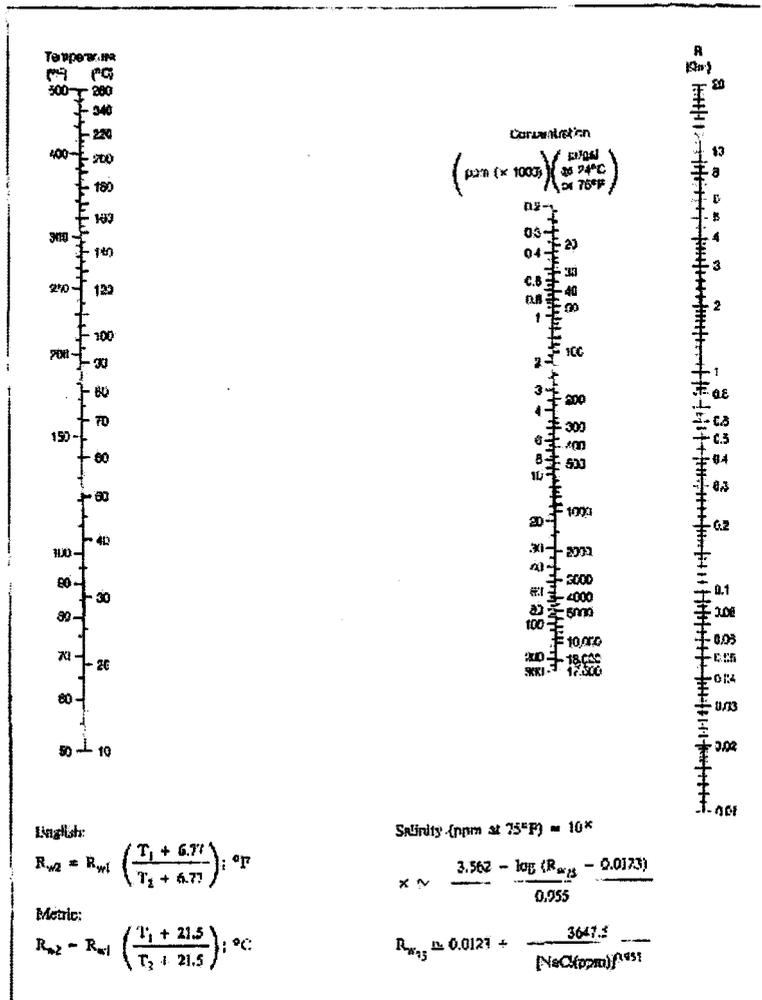


Fig. 8-86 - Relativity of equivalent NaCl solutions

- 111 -

Inspection of the NaCl log (Attachment F) confirms that all zones proposed for injection contain water with greater than 10,000 ppm equivalent NaCl.

2.10.3. Information relative to geologic structure near the proposed well that may effect the conveyance and/or storage of the injected fluids.

Please refer to the structure map on the Top of the Wasatch Formation (Powerpoint, Enclosure 1) which shows regional dip to the northeast at about 300 feet per mile.

2.11. A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter improper intervals.

There is one well within a one-half mile radius of Sego Well #4. This is the El Paso Natural Gas Unit #1, located at 660' FNL and 538' FEL (NENE) Section 31, 1886' northeast of the Sego #4. Some records refer to the well as Minnie Maud #1. Its API number is 43-013-10349. It was drilled and plugged and abandoned in 1954 and the only logs are a Schlumberger Electrical Log and a Microlog which are not on the UDOGM website. The Electrical Log is shown on Powerpoint Enclosure 2, Cross Section.

The well reached a TD of 3808' in the Upper Wasatch. A cement plug was set from 3274' to 3183' with 50 sacks of cement. 7" casing was set at 3282' with 185 sacks. This casing was set just above the base of the Upper Confining Zone and will prevent fluids from migrating up the wellbore. The top of cement was 1580' according to a temperature log.

Total depth was 3808', well above the Lower Confining Zone. Fluids migrating down the wellbore will not reach the Lower Confining Zone.

2.12. An affidavit certifying that a copy of the application has been provided to all operators, owners, and surface owners within a one-half mile radius of the proposed injection well.

See Attachment E.

2.13. Any other additional information that the board or division may determine is necessary to adequately review the application.

Gasco Production Company will supply any requested information to the board or division.

3. Applications for injection wells that are within a recovery project area will be considered for approval:

3.1. Pursuant to R649-5-1-3.

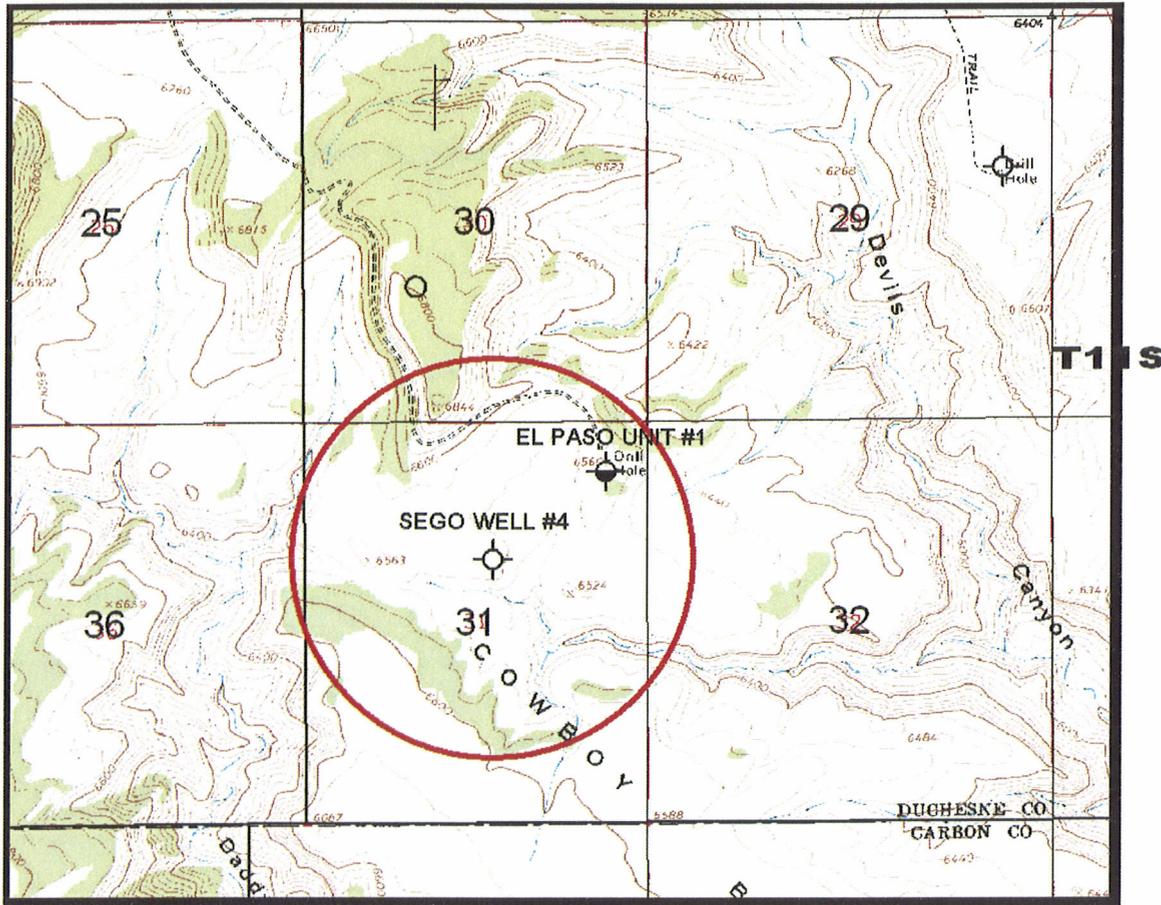
3.2. Subsequent to board approval of a recovery project pursuant to R649-5-1-1.

4. Approval of an injection well is subject to the requirements of R649-5-4, if the proposed injection interval can be classified as an USDW.

The proposed injection interval is not an USDW.

5. In addition to the requirements of this section, the provisions of R649-3-1, R649-3-4, R649-3-24, R649-3-32, and R649-8-1 and R649-10 shall apply to all Class II injection wells.

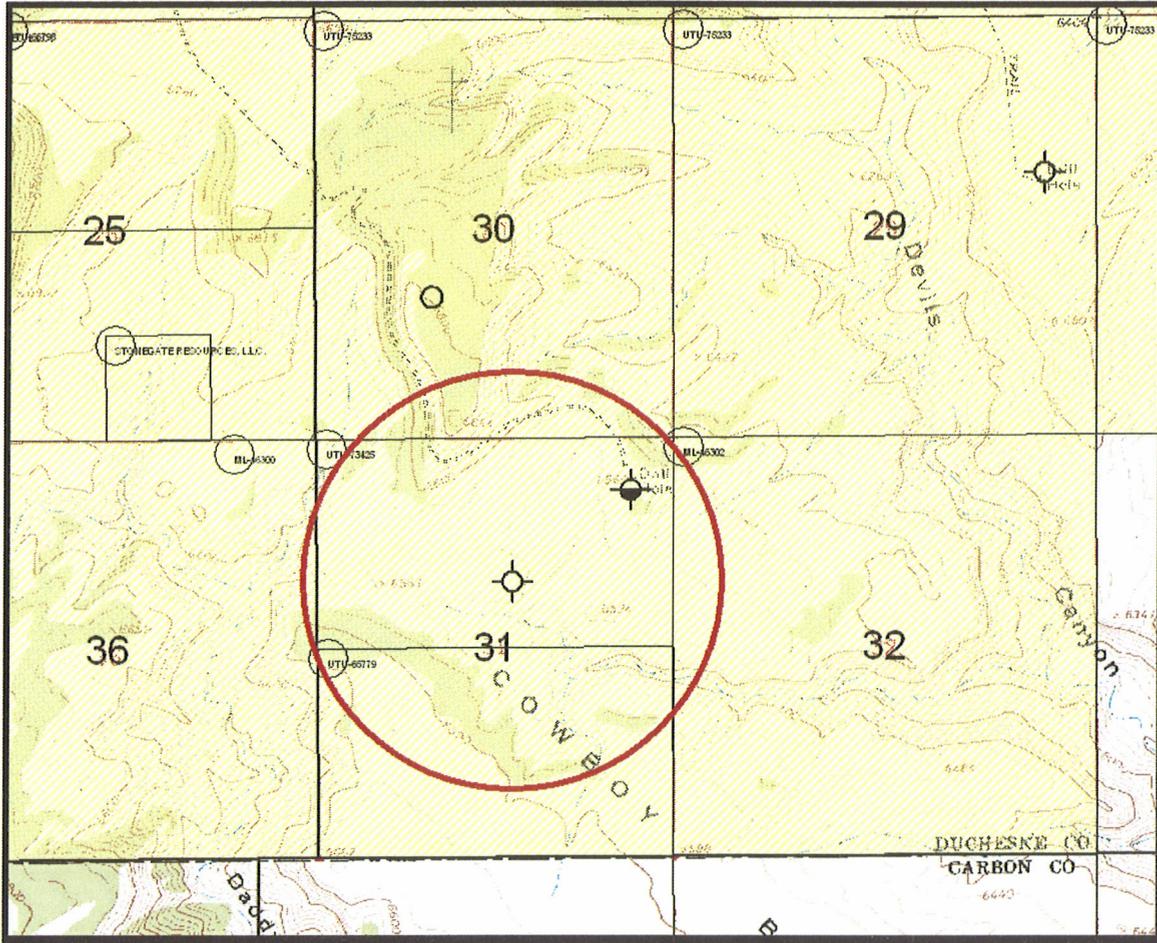
ATTACHMENT A



R16E

		
<p>SEGO WELL #4 HALF MILE RADIUS WITH TOPO</p>		
Author: RD		Date: 4 August, 2011
	Scale: <scale>	

ATTACHMENT B



		
<p>SEGO WELL #4 HALF MILE RADIUS WITH LEASES</p>		
<p>Author: RD</p>		<p>Date: 5 August, 2011</p>
	<p>Scale: <scale></p>	

ATTACHMENT D

Operators Within One-half Mile Radius of Segó Well #4

Lease	Working Interest Owner	Interest
UTU-75233	XTO Energy, Inc	75.000%
	Gasco Production Company	25.000%
UTU-73425	XTO Energy, Inc	75.000%
	Gasco Production Company	25.000%
UTU-65779	XTO Energy, Inc	37.500%
	Gasco Production Company	12.500%
	Mission Energy, LLC	50.000%
ML-46300	Gasco Production Company	100.000%
ML-46302	Gasco Production Company	100.000%

ATTACHMENT G WATER ANALYSIS PRODUCED WATER FROM GASCO WELLS IN AREA

Location	Specific Gravity	TDS	pH	Ca (mg/L)	Mg (mg/L)	TH (CaCO3)	Na (mg/L)	K (mg/L)	Fe (mg/L)	Ba (mg/L)	Sr (mg/L)	Mn (mg/L)	HCO3 (mg/L)	SO4 (mg/L)	Cl (mg/L)	CO2 (mg/L)	H2S (mg/L)
FEDERAL 11-19-9-19	1.01	18672	6.7	150	14.1	479	5580	112	17.7	17.1	29	0.35	732	250	9770	273	2
FEDERAL 23-18-9-19	1.01	19777	6.8	282	26.9	854	6610	131	16.7	13.1	25.5	1.41	1220	450	11000	378	1
GATE CANYON 23-18-11-15	1.01	19484	6.8	184	12.8	585	6100	144	33.6	22	49.5	0.56	488	250	12200	252	2
FEDERAL 23-19-9-19	1.01	20764	7.3	308	29.6	941	6840	143	11.2	17.8	31.7	0.48	732	450	12200	315	2
FEDERAL 32-19-9-19	1.01	18624	7	171	16.5	542	6020	93.3	7.48	13	32.3	0.64	1220	250	10800	273	2
SHEEP WASH 23-26-9-18	1.01	20653	7.8	260	23.3	812	6570	127	23.4	23.8	43.1	0.79	732	450	12400	630	3
SHEEP WASH 32-25-9-18	1.01	18317	6.5	196	18.5	619	6080	124	12	18.8	34.6	0.7	732	300	10800	420	1
SHEEP WASH 43-25-9-18	1.01	20937	6.8	492	39.3	1425	6770	163	190	1.89	27.7	2.93	1220	30	12000	567	5
FEDERAL 11-19-9-19	1.01	16031	6.8	143	16.2	470	5330	103	38.9	17.7	28.7	0.97	488	25	9840	294	1
FEDERAL 12-29-9-19	1.01	9568	6.5	529	52.7	1611	7210	138	622	36.1	39.3	8.55	732	200	0	2	
FEDERAL 21-19-9-19	1.01	16194	6.5	135	14.4	439	5170	101	10.6	16.2	26.9	0.31	610	200	9910	462	1
FEDERAL 23-19-9-19	1.01	19151	6.5	294	28.7	889	6210	127	26.5	3.35	29.1	0.5	732	200	11500	168	1
FEDERAL 32-19X-9-19	1.01	17251	6.8	163	17.2	529	5770	104	5.78	20.6	31.4	0.57	488	250	10400	126	1
FEDERAL 32-20-9-19	1.01	21176	6.8	480	46.9	1434	6850	171	8.71	3.49	33.2	0.57	732	250	12600	168	1
FEDERAL 41-19-9-19	1.01	17983	6.5	257	28.7	806	5960	147	9.63	23.7	24.6	0.35	732	200	10600	168	1.5
FEDERAL 41-30-9-19	1.01	19863	6.5	377	36.4	1128	6480	136	12.9	6.55	26.7	0.35	610	277	11900	244	10
FEDERAL 42-21-9-19	1.01	18868	6.8	347	37.1	1051	6320	128	2.88	6.61	22.5	0.26	854	350	10800	147	1
FEDERAL 43-19-9-19	1.01	20394	6.8	367	37.8	1132	7330	159	8.87	20.9	38.5	0.33	732	200	11500	147	1
FEDERAL 23-30-9-19	1.01	13532	7.1	63.1	7.22	210	3170	65.1	12.8	8.55	14.7	0.96	4880	0	5310	294	1.5
DESERT SPRING 41-1-10-18	1.01	21063	6.8	281	29	901	6875	70	53	29	51	0.81	439	35	13200	273	1.5
FEDERAL 14-31-9-19	1.01	19759	6.8	344	35	1079	5695	70	43	37	42	0.69	732	60	12700	168	5
FEDERAL 34-30-9-19	1.01	20815	6.8	265	29	850	6630	86	34	26	43	0.55	366	35	13300	126	1
SHEEP WASH 32-25-9-18	1.01	19398	6.5	203	23	660	6235	92	30.85	22	37	0.59	415	40	12300	210	1
SHEEP WASH 41-26-9-18	1.01	20130	6.5	230	24	738	6534	67	4.43	23.4	41	0.09	366	40	12800	105	1
Rye Patch 24-21	1.01	17318	179	19.5	575	5660	71.6	14.3	16.1	31.3	0.28	976	50	10300	189	1.5	
FEDERAL 12-19-9-19	1.01	14780	6.6	72.7	6.92	243	4890	143	0	11.5	21.1	0.69	952	2	8640	273	1
FEDERAL 12-30-9-19	1.01	15306	6.7	93.2	8.32	302	4900	140	10.7	12.7	22.6	1.19	463	24	9630	168	2
FEDERAL 32-30-9-19	1.01	16367	6.9	84.1	9.69	289	5240	162	0	13.8	25.3	0.6	732	0	10100	126	2
FEDERAL 34-19-9-19	1.01	13117	7.2	74.5	7.25	242	4290	141	0	8.31	17.8	1.35	854	3	7720	147	1
LAMB TRUST 14-14-9-19	1.01	19886	6.6	263	19.8	794	6760	102	0	14.1	38.9	1.59	663	4	12000	441	1.5
RBU 1-10D	1.01	16852	6.5	284	34.9	868	5410	121	125	0.27	11.9	3.09	732	1030	9100	375	5
SHEEP WASH 11-25-9-18	1.01	18699	6.9	183	16.9	563	6330	322	55.4	10.8	25	1.64	1000	54	10700	336	1
SHEEP WASH 31-25-9-18	1.01	20037	6.5	198	21.7	638	7280	830	0	10.7	40.3	4.47	732	20	10900	1050	2
SHEEP WASH 41-25-9-18	1.01	13338	6.7	210	18.1	625	4150	225	189	1.69	20.9	3.33	537	53	7930	630	4
WILKIN RIDGE 31-29-10-17	1.01	20105	7.1	411	46.1	1270	6770	187	2.21	2.32	44.3	0.61	793	248	11600	126	2
FED 34-18-9-19	1.01	18952	6.5	648	54.8	1892	8040	304	8.16	2.43	38.9	0.33	732	133	8990	210	2
FEDERAL 11-19-9-19	1.01	14493	6.5	152	12.7	475	5110	133	5.12	16.7	26.9	0.16	732	4	8300	210	2
FEDERAL 12-19-9-19	1.01	12537	6.5	57.8	7.2	205	4250	132	49.1	12.6	18.8	0.99	732	27	7250	378	9
FEDERAL 12-20-9-19	1.01	20593	7.1	492	41.1	1452	7060	209	5.13	16.6	35.3	0.17	1220	114	11400	189	2
FEDERAL 12-29-9-19	1.01	20117	6.8	544	50.6	1617	7840	203	7.48	4.83	39.4	0.23	732	195	10500	210	2
FEDERAL 12-30-9-19	1.01	9301	6.5	66.2	4.54	206	2820	85.2	47.5	8.39	14.1	1.75	1220	33	5000	252	15
FEDERAL 13-18-9-19	1.01	16000	6.5	128	11.6	408	4750	235	27.4	16.8	24.4	1.11	1220	16	9570	252	2
FEDERAL 14-17-9-19	1.01	17417	7.1	284	25.2	845	4240	153	5.58	11.5	19.7	0.21	1220	58	11400	210	3
FEDERAL 14-18-9-19	1.01	10628	6.5	87.8	8.87	290	4080	145	131	14.4	20.5	1.77	1220	19	4900	315	6
FEDERAL 14-19-9-19	1.01	17880	6.5	238	18.3	724	5590	158	33.2	19	34.5	1.03	976	12	10800	210	10
FEDERAL 21-19-9-19	1.01	15149	6.5	136	11.2	427	5130	115	5.89	16.2	25.6	0.13	732	7	8970	200	4
FEDERAL 23-18-9-19	1.01	19522	6.5	387	31.4	1136	6530	149	26.2	14.5	25.4	0.53	732	26	11600	252	2
FEDERAL 23-19-9-19	1.01	17465	6.5	388	31.8	1153	6830	195	6.68	17.2	34.3	0.23	976	86	8900	2	252
FEDERAL 31-21-9-19	1.01	19131	7.1	331	30.5	990	6280	161	22.2	12.1	24.6	0.26	1220	149	10900	210	9
FEDERAL 32-19X-9-19	1.01	16607	6.8	175	14.2	543	5160	129	2.86	18.9	29.2	0.51	976	1	10100	252	2
FEDERAL 41-19-9-19	1.01	16448	6.5	251	21.8	755	5100	165	5.89	19.9	20.6	0.27	732	32	10100	210	2
FEDERAL 41-30-9-19	1.01	21289	6.5	728	52.6	2083	7270	224	28.8	1.9	39.7	0.4	732	214	12000	315	2
FEDERAL 42-21-9-19	1.01	18007	7.1	351	28.9	1023	5710	143	5.5	5.86	19.6	0.15	1220	123	10400	210	3
FEDERAL 43-19-9-19	1.01	19851	6.5	370	29.2	1086	6040	198	9.47	7.67	31	0.28	1220	45	11900	210	2
LAMB TRUST 14-14-9-19	1.01	16558	6.8	181	13.9	546	4090	89.8	14.7	11.8	24.6	0.55	732	20	11400	294	1
LAMB TRUST 24-14-9-19	1.01	18689	6.8	295	27.7	876	4600	103	3.69	1.4	20.4	0.15	1220	118	12300	232	3
Rye Patch 22-21	1.01	20262	6.8	275	24.1	839	6040	95	34.9	8.45	40	0.47	1220	24	12500	378	1
Rye Patch 24-21	1.01	18391	6.5	188	17.9	593	5770	75.2	20.5	17.5	31.9	0.33	1220	50	11000	232	1
DESERT SPRING 41-1-10-18	1.01	19476	6.5	250	22.5	791	6670	111	3.4	27.1	46.8	0.16	732	13	11600	230	2
FEDERAL 34-30-9-19	1.01	19626	6.5	265	22.8	822	6660	132	14.7	25.5	41.6	0.3	448	16	12000	270	4
SHEEP WASH 11-25-9-18	1.01	18137	6.8	177	17.1	550	6050	218	37.8	12.9	24	1.12	976	23	10600	240	2.5
SHEEP WASH 31-25-9-18	1.01	15490	6.8	124	11.9	392	4710	330	282	8.4	23.9	5.61	1460	34	8500	350	4
SHEEP WASH 43-25-9-18	1.01	21014	6.5	441	36	1280	6680	179	209	0.81	25.5	3.43	976	183	12300	490	2.5
FEDERAL 11-19-9-19	1.01	16511	7.1	137	13.1	441	5600	110	5.71	17.7	28.1	0.16	976	73	9550	110	0.5
FEDERAL 12-19-9-19	1.01	13306	6.8	66.5	7.49	230	4430	123	34.5	13.4	20	0.8	1220	30	7360	250	7
FEDERAL 12-20-9-19	1.01	19922	7.4	380	31.2	1125	6520	161	4.46	15.5	31.1	0.22	976	103	11700	250	2
FEDERAL 12-30-9-19	1.01	20904	6.8	305	35.6	940	6720	173	118	3.5	24.5	9.09	732	83	12700	300	7

FEDERAL 13-18-9-19	1.01	15463	6.8	95.5	10.6	317	5260	186	3.66	12.4	22.4	2.13	976	24	8870	320	0.5
FEDERAL 14-17-9-19	1.01	20720	6.8	413	37.1	1235	6760	185	8.61	19	31.5	0.67	976	89	12200	140	1.5
FEDERAL 14-18-9-19	1.01	13808	6.8	82.3	9.34	279	4570	124	9.09	14	21.5	1.67	732	34	8210	370	9
FEDERAL 14-19-9-19	1.01	18779	7.1	224	20.5	703	6350	144	32.4	21.5	37.8	1.41	732	15	11200	100	1
FEDERAL 21-19-9-19	1.01	15989	6.8	133	11.6	423	5450	106	9.95	16.7	27	0.2	976	29	9230	210	5
FEDERAL 23-18-9-19	1.01	20116	7.1	360	32	1078	6730	123	31	18.1	28.7	0.69	976	17	11800	120	0.5
FEDERAL 23-19-9-19	1.01	19503	7.4	285	27	868	6490	148	13.5	15.4	29.2	0.37	1220	75	11200	90	2
FEDERAL 32-19X-9-19	1.01	16535	7.1	153	14.5	491	5690	121	1.75	19.9	30.2	0.68	732	12	9760	90	2
FEDERAL 32-20-9-19	1.01	21315	7.4	481	42	1425	7000	176	8.33	14.7	33.7	0.6	732	27	12800	160	0.5
FEDERAL 34-19-9-19	1.01	12412	6.8	83.5	9.15	271	4170	125	0.7	7.41	16.6	3.15	976	20	7000	170	2.5
FEDERAL 41-19-9-19	1.01	17684	7.4	237	24.2	735	5820	145	7.12	22.9	23	0.31	976	28	10300	140	0.5
FEDERAL 42-21-9-19	1.01	18326	6.8	313	29.8	932	5980	136	4.86	5.97	20.1	0.16	1220	116	10500	130	3
FEDERAL 43-19-9-19	1.01	17653	7.1	236	22.2	724	6060	140	3.72	17.3	26.6	0.15	732	15	10400	110	2
LAMB TRUST 14-14-9-19	1.01	19394	6.5	224	18.2	689	6400	86.1	53.3	17.7	38.2	1.25	1220	37	11300	250	2
DESERT SPRINGS 41-1-10-18	1.01	19601	6.8	240	23.9	771	7010	104	12.2	26.7	46.2	0.2	732	6	11400	130	2
FEDERAL 14-31-9-19	1.01	21128	7.1	354	32	1096	6900	126	4.71	36.3	46.2	0.15	976	353	12300	60	2
FEDERAL 16-26A	1.01	18350	6.5	173	21.4	562	6210	165	16	15.2	26.5	0.41	976	46	10700	200	10
SHEEP WASH 11-25-9-18	1.01	20260	6.8	220	22.3	693	8510	263	6.27	17.5	33.3	0.51	976	11	10200	110	1
SHEEP WASH 31-25-9-18	1.01	16686	6.5	170	19.1	556	7620	367	99.6	14.4	36.3	1.76	732	28	7800	150	2
Evaporation Pit - head works	1.01	10229	7.4	85.5	64.6	501	3310	340	1.11	7.59	13.8	0.84	3170	76	3160	300	0
RBV 1-10D	1.01	13933	7.1	142	16.4	432	3420	70.9	19.5	1.15	7.31	0.34	976	399	8880	210	8
RBV 3-15D	1.01	17388	6.5	212	30.9	670	5110	90.7	180	1.06	10.2	1.67	976	75	10700	240	4
Rye Patch 22-21	1.01	19329	6	249	23.3	835	7340	81.8	20.5	32.6	81.8	1.21	488	11	11000	200	1
WILKIN RIDGE 12-32-10-17	1.01	19122	7.1	353	43.1	1112	6320	167	3.57	13.8	37.1	0.13	732	52	11400	220	4
WILKIN RIDGE 12-4-11-17	1.01	21098	7.4	310	35.5	949	4660	104	2.76	2.1	23.3	0.1	1220	340	14400	230	4
WILKIN RIDGE 31-29-10-17	1.01	18548	6.8	328	38.6	1018	4770	123	9.72	1.39	33.4	0.59	732	311	12200	220	4
FEDERAL 12-19-9-19	1.01	13815	7.1	72.6	8.57	250	4840	142	33.7	15.8	19.3	0.76	702	20	7960	95	2
FEDERAL 12-20-9-19	1.01	20536	7.4	398	32.2	1174	8820	164	4.01	17.8	29.5	0.14	976	95	12000	85	1.5
FEDERAL 13-18-9-19	1.01	16867	7.1	90.5	9.79	322	6910	153	15.5	15.8	38.8	0.27	427	6	9200	90	1
FEDERAL 14-17-9-19	1.01	19740	7.2	405	35.7	1207	8660	193	11.7	20.4	28.2	0.35	610	78	11700	70	1
FEDERAL 14-18-9-19	1.01	13754	7	82.3	9.82	282	5000	133	31	17	20.3	0.99	488	22	7950	160	5
FEDERAL 14-19-9-19	1.01	18998	7	233	20.6	724	6540	137	28.4	22.2	35.1	0.99	671	10	11300	125	1.5
FEDERAL 23-18-9-19	1.01	20446	7.1	386	32.5	1142	6830	126	23.7	18.7	26.2	0.57	793	9	12200	55	1
FEDERAL 32-19X-9-19	1.01	16595	7.1	244	25	744	6350	114	85.2	4.17	24.2	2	1100	148	10500	180	1.5
Federal 34-19-9-19	1.01	9523	6.9	135	14.1	410	3320	46.6	12.2	1.39	11.5	2.56	671	209	5100	85	1
FEDERAL 41-19-9-19	1.01	17438	7.3	223	23	692	5890	147	2.78	22.8	20.3	0.22	854	55	10200	65	1
FEDERAL 41-30-9-19	1.01	19200	7.2	332	27.3	977	6510	156	3.67	9.93	23.6	0.17	854	183	11100	90	1.5
FEDERAL 43-19-9-19	1.01	18542	7.1	231	22.2	711	6270	137	3.41	18.1	25	0.12	976	59	10800	90	1.5
LAMB TRUST 14-14-9-19	1.01	18636	6.9	233	18.8	712	6590	90.7	36.5	19.8	32.8	0.91	397	16	11200	90	1.5
SHEEP WASH 31-25-9-18	1.01	19670	6.8	111	15.1	381	7030	218	64.4	13.6	27.8	1.88	732	56	11400	60	1
DESERT SPRINGS 41-1-10-18	1.01	6013	6.5	102	41.9	434	501	8.48	25.1	1.16	4.97	1.28	732	295	4300	90	2
FEDERAL 16-26A	1.01	17630	7.1	70.9	6.57	228	2880	59.3	3.14	9.66	14.5	0.17	976	10	13800	40	2
FEDERAL 23-30-9-19	1.01	11128	6.5	41.8	4.32	134	1750	30.1	0.13	3.67	7.99	0.58	488	1	8800	40	0.5
FEDERAL 23-19-9-19	1.01	18962	6.5	178	14.5	530	3430	63.8	4.11	9.27	16.6	0.13	732	14	14500	70	1.5
WILKIN RIDGE 12-32-10-17	1.01	19515	6.8	312	32.1	952	5140	112	31.2	9.83	28.8	0.83	976	72	12800	50	3
WILKIN RIDGE 14-4-11-17	1.01	21183	6.5	470	48.5	1413	4830	95.5	3.99	1.91	32.7	0.21	976	324	14400	70	4
WILKIN RIDGE 34-17-10-17	1.02	30767	6.8	723	55.3	2105	9700	241	7.76	7.73	56.1	0.21	976	500	18500	399	3
FED 34-18-9-19	1.02	25804	7	636	59.5	1883	8440	288	6.3	3.69	40	0.74	732	400	15200	357	1
SHEEP WASH 12-25-9-18	1.02	23523	6.5	483	39.5	1441	7480	170	8.82	23.8	47	0.9	1220	350	13700	441	1
FED 34-18-9-19	1.02	26231	6.5	689	62.9	2037	8550	262	33.4	8.25	42.9	0.78	732	750	15100	147	1.5
FEDERAL 11-21-9-19	1.02	26434	6.5	602	64	1839	8560	217	25.3	27.3	44.2	0.7	244	50	16800	732	1
FEDERAL 12-20-9-19	1.02	21940	6.8	431	38.7	1280	6670	140	87.1	5.78	33.9	1.4	732	100	13700	252	1.5
FEDERAL 14-17-9-19	1.02	22203	6.5	484	47.1	1451	7130	197	17.8	10	34.4	0.6	732	150	13400	168	1
FEDERAL 23-18-9-19	1.02	22645	6.8	485	45	1438	7430	121	65.7	5.13	31.9	1.57	610	150	13700	231	1
FEDERAL 24-20-9-19	1.02	26259	6.8	528	58.5	1603	8380	129	14.6	3.38	34.7	0.57	610	600	15900	1150	1
LAMB TRUST 24-14-9-19	1.02	23132	7.1	451	43.8	1346	7530	121	19.3	1.88	32	0.81	732	700	13500	483	1.5
LAMB TRUST 24-22-9-19	1.02	28988	6.5	887	84.2	2618	9910	173	40.9	1.17	46.3	1.15	244	500	17100	189	1
LAMB TRUST 34-22-9-19	1.02	23569	6.8	582	57	1729	7440	155	11.7	3.11	32	0.43	488	700	14100	105	1
LAMB TRUST 34-22A-9-19	1.02	36726	6.8	1180	113	3493	11700	212	8.41	2.17	66.2	0.54	244	500	22700	105	1
STATE 24-16-9-19	1.02	30129	6.5	765	72.1	2288	9910	170	19.3	8.02	46.4	0.68	488	750	17900	147	10
FEDERAL 13-18-9-19	1.02	23009	7.1	126	12.1	413	5420	289	20.6	20.6	29.1	0.75	7320	21	9770	210	2.5
FEDERAL 14-18-9-19	1.02	24072	6.8	93.1	10.7	317	4890	135	11.6	15.9	24.9	1.27	9760	0	9130	231	2
FEDERAL 21-30-9-19	1.02	22093	7.1	101	10.9	345	5290	161	29.2	19.9	29.2	1.44	7320	0	9130	273	2
DESERT SPRING 12-36-9-18	1.02	31825	6.5	923	97	2800	10380	132	8.4	4.87	78	0.32	366	335	19500	126	2
DESERT SPRING 21-36-9-18	1.02	32412	7.1	557	60	1690	8225	140	10.5	3.14	42.48	0.26	439	335	22800	105	1.5
DESERT SPRING 23-36-9-18	1.02	29011	6.8	718	71	2249	8961	109	63	97	80	1.15	366	145	18400	294	3.5
DESERT SPRING 34-36-9-18	1.02	26643	6.5	510	54	1529	8791	118	53	0.07	28	0.93	488	1000	15600	128	1.5
DESERT SPRING 41-36-9-18	1.02	27927	6.8	649	63	1923	8970	108	8.2	0.39	36	0.22	317	875	16900	147	2
DESERT SPRING 43-36-9-18	1.02	23741	6.6	537	56	1622	7688	116	47	5.85	39	0.85	488	165	14600	462	1.5
FED 22-32B-9-19	1.02	28343	6.8	700	73	2115	9436	154	29	1.8	55	0.4	244	650	17000	105	1
FEDERAL 12-31-9-19	1.02	23661	6.8	443	45	1325	7177	132	12	1.39	27	0.2	683	440	14700	105	1
FEDERAL 13-30B	1.02	33604	6.5	969	109	2939	10300	122	110	9.11	53	2.43	244	285	21400	315	5
FEDERAL 21-31-9-19	1.02	27395	6.5	700	74	2116	9049	137	9	1.33	53	0.33	366	205	16800	73	1
FEDERAL 21-32A-9-19	1.02	23230	7.4	525	54	1590	7617	108	12.77	4.51	45	0.33	488	175	14200	84	

FEDERAL 22-32A-9-19	1.02	31606	6.8	992	104	2973	10179	193	17	1.55	56	0.32	488	1275	18300	63	1.5
FEDERAL 23-31-9-19	1.02	23855	6.8	451	50	1384	7587	153	50	2.59	43	0.86	488	130	14900	126	1
FEDERAL 24-31-9-19	1.02	31430	6.5	825	86	2491	9395	158	11	6	61	0.34	488	1500	18900	168	2
FEDERAL 32-31-9-19	1.02	27229	7.1	583	64	1760	8700	96	18	0.41	34	0.27	683	1650	15400	231	1.5
FEDERAL 41-31-9-19	1.02	35562	6.5	1266	124	3761	11900	182	72	1.45	74	1.95	366	575	21000	420	1
SHEEP WASH 12-25-9-18	1.02	25775	6.5	529	51	1613	8088	118	37	30	51	0.82	537	35	16300	105	2
SHEEP WASH 14-25-9-18	1.02	28669	6.8	660	66	1976	8873	181	17	2.02	46	0.66	488	35	16300	105	1
SHEEP WASH 34-26-9-18	1.02	27229	6.5	734	68	2170	9160	167	32	0.71	48	0.58	244	975	15800	231	1.5
SHEEP WASH 43-25-9-18	1.02	26343	6.5	457	45	1358	6380	114	355	2.2	25	5.57	854	205	17900	1890	3.5
STATE 12-32-9-19	1.02	23942	6.8	433	47	1321	7297	105	19	10	33	0.44	283	105	15600	189	1.5
STATE 4-32B	1.02	34355	6.5	1088	115	3256	11000	141	40	0.81	54	0.54	366	850	20700	525	1.5
STATE 7-36A	1.02	36142	6.5	1263	130	3802	11600	171	15	7.19	91	0.51	244	120	22500	126	2.5
SHEEP WASH 21-25-9-18	1.02	22861	181	19.6	582	5860	61.3	14.4	16.3	32.3	0.29	976	1300	14400	189	1.5	
DESERT SPRING 21-1-10-18	1.02	28747	6.5	709	66.4	2100	9530	227	9.25	0.77	47.1	0.97	610	547	17000	378	2
FEDERAL 11-22-10-18	1.02	29680	6.1	870	85	2578	9580	282	9.79	0.87	46	0.56	756	650	17400	168	3
FEDERAL 22-30-10-18	1.02	23941	6.5	504	57.8	1557	7980	155	29.3	4.15	48.8	0.96	756	205	14200	357	3
GATE CANYON 41-19-11-15	1.02	32148	6.5	1040	126	3158	10800	42.9	22.5	1.49	33	0.41	732	1050	16300	375	3
RBV 3-12D	1.02	25168	6.8	421	56.7	1307	8650	222	28.5	1.76	17	1.01	305	365	15100	405	4.5
UTE LAND 12-2-10-18	1.02	24148	6.8	492	48.1	1487	8120	218	1.63	11.7	44.3	0.6	610	402	14200	252	2
UTE LAND 41-2-10-18	1.02	25457	6.5	574	53.3	1720	8460	157	2.78	15.4	47.7	0.18	732	315	15100	273	3
UTE LAND STATE 12-1-10-18	1.02	29758	6.5	847	77.8	2499	9910	267	35.2	1.52	52.7	0.87	305	561	17700	483	3
UTE LAND STATE 43-2-10-18	1.02	28454	6.8	776	68.3	2287	9390	206	3.54	5.36	53.7	0.34	683	468	16800	147	3.5
UTELAND STATE 21-2-10-18	1.02	24898	6.1	549	49.7	1628	8250	200	109	1.79	43.1	1.86	732	262	14700	672	2
WILKIN RIDGE 12-32-10-17	1.02	23729	7.7	474	56.9	1475	7970	248	0	7.56	44.2	0.19	976	252	13700	126	1.5
WILKIN RIDGE 14-4-11-17	1.02	29937	7.4	868	104	2676	9640	282	23.6	4.1	65.4	1.03	1100	649	17200	252	5
WILKIN RIDGE 31-32-9-19	1.02	21888	7.4	374	41.3	1138	7470	181	0	2.33	27	0.19	976	616	12200	105	3
WILKIN RIDGE 34-16-10-17	1.02	27618	7.1	1050	111	3259	8930	325	4.06	95.8	93.6	0.49	659	49	16300	147	6
WILKIN RIDGE 44-32-9-19	1.02	28566	7.4	626	77.4	1942	9650	309	7.26	3.79	48.4	0.49	854	1390	15600	147	4
WILKIN RIDGE 12-4-11-17	1.02	26341	7.4	578	67.7	1775	9230	205	1.57	2.19	43.3	0.3	732	481	15000	210	4
WILKIN RIDGE 23-29-10-17	1.02	26896	6.5	691	74.6	2094	8910	153	68.2	0.42	51.5	1.89	732	813	15400	714	3
WILKIN RIDGE 24-32-10-17	1.02	31880	6.8	721	77.5	2165	10900	179	11.4	0.36	37.5	0.61	683	1370	17900	273	2.5
WILKIN RIDGE 32-20-10-17	1.02	34471	6.8	1190	132	3629	10700	642	0	3.99	94	0.71	732	476	20500	147	1.5
WILKIN RIDGE 34-17-10-17	1.02	29999	6.8	744	74.7	2229	10100	309	7.41	3.28	51.7	0.48	732	676	17300	210	5
FEDERAL 11-21-9-19	1.02	26996	6.8	657	64.1	1962	9710	299	24.8	5.63	45.2	0.62	732	58	15400	210	2
FEDERAL 11-22-9-19	1.02	33978	6.8	1560	136	4534	13000	228	28.5	1.31	63.9	0.88	732	127	18100	189	2
FEDERAL 24-20-9-19	1.02	21532	6.8	489	48.2	1480	6000	134	5.73	1.39	28.7	0.22	976	139	13700	210	3
FEDERAL 34-29-#1	1.02	25554	6.5	687	68.9	2044	8170	305	93.9	1.91	36.2	1.8	732	257	15200	378	3
FEDERAL 42-29-9-19	1.02	26590	6.8	1000	80	2883	8800	236	140	1	46.1	2.29	732	153	15400	210	2
FEDERAL 43-30-9-19	1.02	31050	6.8	1210	104	3526	11100	292	193	2.31	62.1	3.13	732	251	17100	252	3
LAMB TRUST 24-22-9-19	1.02	28490	6.8	931	82.2	2720	9610	251	30.7	1.45	48.1	1.11	976	260	16300	252	2
LAMB TRUST 34-22-9-19	1.02	23775	7.1	816	69.9	2375	8430	221	7.49	2.36	39.3	0.44	732	257	13200	210	2
LAMB TRUST 34-22A-9-19	1.02	23881	7.1	1090	90.5	3162	9850	265	6.42	4.01	54.1	0.39	976	245	11300	210	4
LYTHAM 22-22-9-19	1.02	31708	6.8	934	77.7	2703	7490	228	43.9	1.27	41.4	0.93	976	215	21700	294	2
Sheep Wash 21-25-9-18	1.02	24028	6.5	584	53.1	1729	7420	373	15.1	3.68	41.9	0.65	732	105	14700	252	1
STATE 24-16-9-19	1.02	28309	7.4	767	68.2	2259	9320	217	7.2	13.5	44.5	0.29	732	239	16900	189	6
DESERT SPRING 21-36-9-18	1.02	24732	6.8	555	48.1	1636	7730	181	13.4	4.57	40.8	0.29	1460	199	14500	410	7
DESERT SPRING 23-36-9-18	1.02	29283	6.5	690	61.5	2179	9170	175	11.5	151	79.3	0.47	976	68	17900	410	6
DESERT SPRING 33-36-9-18	1.02	36080	6.5	1020	94.8	3015	11600	318	9.28	3.63	63.3	0.55	732	138	22200	320	4
DESERT SPRING 34-36-9-18	1.02	24262	6.5	470	43.1	1384	8310	180	9.8	1.55	26.9	0.25	1220	0	14000	450	6
DESERT SPRING 41-36-9-18	1.02	25681	7.1	584	48.5	1694	8390	144	7.91	1.4	29.4	0.24	976	0	15500	400	6
DESERT SPRING 43-36-9-18	1.02	25773	6.8	608	58.4	1817	8140	184	5.3	4.05	46.7	0.19	732	194	15800	240	3
FEDERAL 12-31-9-19	1.02	23695	6.5	482	42.8	1417	7890	219	4.95	2.81	29.8	0.18	732	191	14100	350	3
FEDERAL 13-30B	1.02	33411	6.5	933	94.5	2791	10500	204	92.9	11.1	53.3	2.37	732	188	20600	410	5
FEDERAL 14-31-9-19	1.02	22073	6.5	391	35.9	1191	7260	148	4.93	14.4	48.4	0.16	732	138	13300	280	2
FEDERAL 16-26A	1.02	21501	7.1	298	32.8	921	7130	146	23.8	14.3	26.5	0.38	732	97	13000	100	12
FEDERAL 21-31-9-19	1.02	25779	6.8	651	59.5	1931	8360	191	6.01	1.12	50.3	0.3	488	172	15800	200	2.5
FEDERAL 21-6-10-19	1.02	26228	6.5	633	61	1917	8460	175	18.5	30.4	53.7	0.48	976	120	15700	450	5
FEDERAL 23-31-9-19	1.02	23296	6.8	432	42	1306	7770	217	14.8	5.29	43.5	0.51	976	95	13700	300	2
FEDERAL 24-31-9-19	1.02	30998	6.5	817	79.4	2441	9820	231	14.7	3.14	60.7	0.35	976	196	18800	240	3
FEDERAL 32-31-9-19	1.02	24103	6.5	539	50.6	1591	8240	145	9.17	0.43	30.7	0.22	488	0	14600	390	2
FEDERAL 41-31-9-19	1.02	35074	6.8	1050	95.9	3097	11400	255	24.7	2.8	65.9	0.88	488	191	21500	360	2
RBV 10-11D	1.02	33732	6.5	1730	611	6913	10000	479	18.6	15.9	51.5	4.11	0	22	20800	170	1
SHEEP WASH 12-25-9-18	1.02	24074	6.8	472	40.6	1420	7570	165	7.88	26.9	46.9	0.45	732	12	15000	200	2
Sheep Wash 21-25-9-18	1.02	25806	7.1	541	52.8	1631	8150	297	16.3	9.9	47.5	0.41	1220	71	15400	140	1.5
Sheep Wash 23-26-9-18	1.02	33894	6.8	1030	92	3036	10700	265	51.3	1.81	70.8	1.18	1460	122	20100	220	1.5
SHEEP WASH 32-25-9-18	1.02	32800	6.8	797	71	2342	10300	324	40.1	1.18	49.3	1.52	1220	196	19800	360	2
SHEEP WASH 41-25-9-18	1.02	30275	6.8	755	66.2	2220	9580	231	49.1	3.59	49.8	0.79	976	164	18400	200	1.5
SHEEP WASH 41-26-9-18	1.02	31399	7.4	800	76.8	2375	10300	293	76.4	2.39	50.2	1.38	732	167	18900	290	1.5
SHEEP WASH 14-25-9-18	1.02	27321	6.8	646	60.5	1923	8970	259	15.5	6.59	47.1	0.57	732	184	16400	180	2
SHEEP WASH 23-25-9-18	1.02	29950	7.1	752	74	2226	10000	174	25.6	2.01	34.4	0.88	488	199	18200	130	2
SHEEP WASH 34-26-9-18	1.02	27165	6.5	666	53.7	1933	8670	210	47.7	0.53	40.5	0.78	976	0	16500	450	3
STATE 12-32-9-19	1.02	23029	6.5	438	40.2	1306	7290	152	25.1	9.98	33	0.64	732	108	14200	260	2
State 21-32A-9-19	1.02	24093	6.5	520	47	1578	7950	165	34.8	41.8	47.5	1.1	732	54	14500	270	2
State 21-32B-9-19	1.02</																

WILKIN RIDGE 12-32-10-17	1.02	21597	6.8	394	41.1	1222	8100	169	11.3	19.2	47.4	0.26	732	183	11900	300	0.5
WILKIN RIDGE 14-4-11-17	1.02	34176	7.1	1070	123	3302	12900	266	7.59	9.6	99.3	0.67	976	224	18500	420	0.5
WILKIN RIDGE 34-16-10-17	1.02	32799	7	1600	142	4894	12800	344	11.5	316	69	1.1	732	83	16700	400	2
WILKIN RIDGE 44-32-9-19	1.02	32842	7.4	801	89	2477	13200	309	13.2	7.6	89.4	0.79	732	0	17600	410	4
WILKIN RIDGE 12-4-11-17	1.02	27905	7.4	578	82.8	1801	11100	212	9.11	14	76.8	0.34	976	76	14800	270	1
WILKIN RIDGE 23-29-10-17	1.02	25669	6.5	510	53.3	1578	9740	151	105	3.18	70.9	3.43	732	0	14300	700	2.5
WILKIN RIDGE 24-32-10-17	1.02	31123	6.8	613	66.7	1882	12500	189	12	1.11	64.8	0.68	976	0	16700	310	2
WILKIN RIDGE 31-29-10-17	1.02	23745	7	522	55.4	1630	9290	203	13.1	3.3	82.5	1.22	732	242	12600	220	0.5
WILKIN RIDGE 34-17-10-17	1.02	34100	6.5	1000	88.5	2984	13000	302	16.5	13.7	96.4	0.5	732	150	18700	500	5
FED 34-18-9-19	1.02	25489	6.8	617	55.4	1828	8380	261	2.94	15.9	40.3	0.47	976	140	15000	110	1
FEDERAL 11-21-9-19	1.02	29484	6.5	628	66.5	1903	9910	269	37.5	6.34	48.1	0.71	732	86	17700	130	1
FEDERAL 12-29-9-19	1.02	24939	7.1	495	46.6	1477	7700	169	2.19	3.58	39.3	0.24	1220	363	14900	130	2
FEDERAL 31-21-9-19	1.02	21645	7.1	405	36.1	1205	7150	140	0.76	13.1	29.7	0.37	1220	50	12600	250	0.5
FEDERAL 34-29-#1	1.02	32353	6.5	843	85.3	2533	10300	255	82.4	2.93	62.8	1.76	1220	200	19300	300	5.0,0
FEDERAL 41-30-9-19	1.02	23494	6.8	555	44.9	1614	7450	181	19.4	1.54	35.3	0.34	976	231	14000	200	4
FEDERAL 42-29-9-19	1.02	35289	6.5	1220	104	3552	11100	263	57	1.3	63.9	2.14	976	602	20900	230	4
FEDERAL 43-30-9-19	1.02	35872	6.8	908	103	2771	11100	232	51.2	2.92	65.3	1.61	1220	288	21900	210	4
LAMB TRUST 24-14-9-19	1.02	21482	6.8	407	37.5	1208	7260	125	3.01	1.88	30.6	0.25	732	185	12700	150	0.5
LAMB TRUST 24-22-9-19	1.02	33176	6.5	882	81.3	2596	10500	201	68.5	1.56	47.8	1.74	976	316	20100	250	0.5
LAMB TRUST 34-22-9-19	1.02	25749	7	692	64.8	2051	8580	177	0.32	12.9	39.5	0.46	732	50	15400	140	1
LAMB TRUST 34-22A-9-19	1.02	34178	7	1060	92	3101	11000	208	3.73	3.81	60.8	0.44	976	673	20100	150	0.5
STATE 24-16-9-19	1.02	27952	6.5	665	58.4	1957	9310	176	7.87	11.6	40.3	0.44	732	450	16500	200	3
DESERT SPRING 12-36-9-18	1.02	30302	6.5	852	78.6	2552	9820	183	12.9	21.2	72.2	0.33	732	230	18300	320	8
DESERT SPRING 21-36-9-18	1.02	24134	6.5	528	48.1	1569	7650	178	19.7	5.49	41.5	0.32	976	187	14500	190	5
DESERT SPRING 23-36-9-18	1.02	28348	6.8	679	63.2	2102	8990	154	46.8	87.5	70.8	1.03	1220	36	17000	440	4
DESERT SPRING 34-36-9-18	1.02	23454	6.5	514	46	1506	8250	161	14.3	0.57	27.4	0.78	732	8	13700	100	1.5
DESERT SPRING 41-36-9-18	1.02	26759	6.8	648	59.1	1905	9740	168	6.34	0.69	35.6	0.23	732	269	15100	130	0.5
DESERT SPRING 43-36-9-18	1.02	23993	6.8	576	54.8	1714	7950	169	7.35	1.58	41.5	0.17	732	261	14200	120	1.5
FEDERAL 12-31-9-19	1.02	22247	7.1	451	40.3	1328	7690	196	7.41	1.61	29.6	0.15	732	0	13100	120	2
FEDERAL 13-30B	1.02	34853	6.8	982	103	2945	11300	205	133	7.87	52.9	2.04	732	235	21100	450	2
FEDERAL 21-31-9-19	1.02	26542	7.1	674	63.2	2001	8570	179	5.02	1.14	48.2	0.31	1220	181	15800	100	0.5
FEDERAL 21-6-10-19	1.02	24416	7.4	603	58.6	1834	8210	170	4.9	39.3	49.9	0.33	732	48	14500	150	1
FEDERAL 23-31-9-19	1.02	24774	6.8	509	52	1551	9350	245	8.71	8.05	51.2	0.53	732	18	13800	120	1
FEDERAL 24-31-9-19	1.02	30147	7.1	836	80.9	2503	9680	224	6.46	16.3	59.1	0.29	976	68	18200	120	0.5
FEDERAL 32-31-9-19	1.02	24545	7.1	549	52.9	1629	8480	144	15.3	0.54	33.6	0.25	732	337	14200	100	0.5
FEDERAL 34-30-9-19	1.02	22538	6.8	368	33.9	1152	9620	182	26.8	34.7	58.4	0.51	976	38	11200	150	1
FEDERAL 41-31-9-19	1.02	24033	6.6	872	79.9	2568	9590	203	53.6	2.48	50.2	1.12	732	249	12200	260	2
SHEEP WASH 12-25-9-18	1.02	26208	6.5	593	52.8	1793	10300	211	6.06	32.3	61.3	0.54	732	19	13200	100	0.5
Sheep Wash 21-25-9-18	1.02	30196	7.1	617	70.6	1950	13900	400	9.43	40.7	76.3	0.47	732	49	14300	150	2.5
Sheep Wash 23-26-9-18	1.02	35457	6.5	1330	113	3897	14100	285	65.5	1.98	92.2	1.19	732	336	18400	300	0.5
SHEEP WASH 32-25-9-18	1.02	32095	6.8	2310	166	6537	11200	323	13.1	3.76	65.9	0.37	1220	193	16900	300	0.5
Sheep Wash 34-25-9-18	1.02	32182	6.8	783	96.7	2428	15500	203	8.97	2.67	61.9	0.57	325	16200	160	15	
SHEEP WASH 41-26-9-18	1.02	31933	6.5	937	88.7	2797	14000	267	44.3	8.14	72.9	1.17	976	138	15400	170	1
SHEEP WASH 14-25-9-18	1.02	34780	6.8	1100	99.8	3264	15900	431	7.61	20.41	77.2	0.74	732	311	16100	100	0.5
SHEEP WASH 34-26-9-18	1.02	26069	6.8	675	58	1972	9180	216	6.62	0.64	39.5	0.68	293	15600	140	1	
SHEEP WASH 43-25-9-18	1.02	26585	6.8	546	64.2	1686	11900	288	91.2	8.14	44.2	2.12	1220	121	12300	300	4
STATE 12-32-9-19	1.02	30668	6.8	867	87.5	2615	14700	294	6.27	19.5	64.3	0.93	976	352	13300	130	0.5
State 21-32A-9-19	1.02	31144	7.4	712	89.6	2311	15000	293	11.8	82.2	89.9	0.43	732	33	14100	100	1
State 21-32B-9-19	1.02	33372	7.4	926	104	2863	15200	334	4.88	23.8	90	0.54	732	357	15600	100	0.5
State 22-32A-9-19	1.02	31639	7.1	1190	113	3514	13600	333	5.01	2.31	62.9	0.43	732	500	15100	100	0.5
STATE 4-32B	1.02	36383	6.5	1000	128	3104	16100	297	26.1	0.95	66.2	0.6	1464	0	17300	200	3
DESERT SPRING 21-1-10-18	1.02	35582	7.1	734	58.8	2172	16500	235	33.6	2.79	88.6	1.19	488	922	16500	200	1.5
FEDERAL 11-22-10-18	1.02	27015	7.4	540	59	1647	8680	233	11.6	3.53	44.7	0.49	1220	823	15400	250	3
FEDERAL 22-30-10-18	1.02	21920	6.8	494	53.2	1514	6190	135	23	7.65	47.6	0.4	732	137	14100	260	4
GATE CANYON 23-16-11-15	1.02	25856	6	258	23.4	900	12600	147	27.1	59.6	101	1.1	732	7	11900	160	2
RBU 3-12D	1.02	22269	7.1	328	54.4	1064	7200	114	26.4	2.15	15.9	0.48	732	396	13400	190	10
Rye Patch 24-21	1.02	32433	6	892	89	2771	13300	188	52.9	31.1	133	0.61	732	14	17000	180	2
UTE LAND 12-2-10-18	1.02	22109	7.4	439	44.1	1332	7070	204	5.11	8.15	41.1	0.65	732	65	13500	150	2
UTE LAND 41-2-10-18	1.02	28513	6.5	468	38.9	1423	13800	180	8.51	2.49	79.4	0.15	244	412	13300	130	2.5
UTE LAND STATE 43-2-10-18	1.02	35329	7.4	735	59	2199	15400	230	10.9	10.9	97.1	0.32	976	1410	16400	230	7.5
UTELAND STATE 21-2-10-18	1.02	25354	6.5	395	55.7	1276	8070	211	39.4	1.85	50.5	0.98	1460	270	14800	300	4
WILKIN RIDGE 14-4-11-17	1.02	22771	7.7	432	50.9	1329	4890	111	3.12	0.89	33.9	0.15	1220	329	15700	220	4
WILKIN RIDGE 31-32-9-19	1.02	24562	7.1	383	41.3	1159	7200	171	7.35	0.57	26.7	0.14	732	4000	12000	180	4
WILKIN RIDGE 34-16-10-17	1.02	24997	6.8	770	66.5	2329	4840	158	7.09	83.5	61.1	0.27	976	35	18000	240	5
WILKIN RIDGE 23-29-10-17	1.02	34534	6.8	1130	149	3600	10100	205	233	4.02	139	4.34	976	394	21200	250	5
WILKIN RIDGE 24-32-10-17	1.02	30962	7.1	656	61	1932	9010	164	12.8	0.39	35.5	0.45	732	2290	18000	160	3
WILKIN RIDGE 32-20-10-17	1.02	26394	6.8	719	83.7	2224	7110	234	9.57	2.95	70.1	0.37	732	132	17300	260	5
WILKIN RIDGE 34-17-10-17	1.02	29808	6.5	602	61.4	1807	6290	165	9.94	1.68	42.3	0.19	732	303	21600	240	6
FEDERAL 32-19X-9-19	1.02	24314	9.5	31.1	6.83	111	5830	582	3.77	5.89	0.64	0.19	4390	64	13400	0	2
FED 32-30-9-19	1.02	23425	7.4	492	46.7	1461	8090	102	75.6	2.57	32.4	1.77	793	289	13500	175	1.5
FED 34-18-9-19	1.02	23396	7.1	521	46.7	1543	7630	257	4.87	17.3	31.2	0.29	854	34	14000	80	1
FEDERAL 11-19-9-19	1.02	23207	6.9	316	32.7	981	9370	80.2	16.2	2.4	48.2	1.05	854	86	12400	125	2
FEDERAL 11-21-9-19	1.02	29176	6.9	657	65.9	1982	9870	301	34.								

FEDERAL 21-19-9-19	1.02	25852	6.5	486	44.8	1467	10100	91.1	25.5	2.15	57.5	0.72	854	190	13800	65	1
FEDERAL 23-19-9-19	1.02	21408	7.4	290	26.1	896	8670	131	11.3	6.42	51.5	0.23	854	67	11300	90	1
FEDERAL 24-20-9-19	1.02	27799	6.9	666	61	1960	9150	166	16.2	3.03	36	0.42	610	190	16900	80	2
FEDERAL 42-21-9-19	1.02	21523	6.5	349	32.7	1055	8580	127	5.67	6.67	38	0.14	854	130	11400	80	1
LAMB TRUST 24-14-9-19	1.02	21881	7.2	425	38.5	1256	7320	133	1.7	3.14	28.4	0.22	671	160	13100	80	1.5
LAMB TRUST 24-22-9-19	1.02	32633	7.2	872	78.5	2597	12300	185	78.8	1.5	81	1.37	336	399	18300	2200	1.5
LAMB TRUST 34-22-9-19	1.02	26445	7	630	57.8	1887	10000	164	5.08	8.93	58.9	0.36	610	410	14500	55	1.5
LAMB TRUST 34-22A-9-19	1.02	28578	7.1	880	73.7	2562	9420	204	4.42	13.3	42.5	0.28	732	308	16900	120	3
STATE 24-16-9-19	1.02	30959	6.9	743	64.6	2212	11700	169	6.74	3.13	75.2	0.37	476	321	17400	60	1.5
FEDERAL 12-19-9-19	1.02	29179	6.8	272	41.4	887	9000	70.9	29.3	2.41	30	0.31	1220	113	18400	50	0.5
FEDERAL 13-19-9-19	1.02	21885	6.8	82.2	14.8	321	8170	206	9.67	23.9	32.8	0.44	732	13	12600	50	0.5
FEDERAL 32-19-9-19	1.02	24937	7.4	213	27.7	683	6940	108	11.7	2.15	30.8	0.49	1220	83	16300	50	0.5
FEDERAL 32-30-9-19	1.02	34836	6.8	589	82.4	1887	14300	167	23.4	1.99	64.2	0.94	1220	587	17800	70	1
Sheep Wash 23-26-9-18	1.02	34739	7.7	832	68.6	2425	9530	164	0.94	1.27	54.1	0.52	488	1800	21800	70	7
SHEEP WASH 32-25-9-18	1.02	29190	8.1	729	53.1	2091	7850	167	13.1	3.53	41.6	0.41	732	199	19400	0	1
SHEEP WASH 41-26-9-18	1.02	32234	6.8	635	54.9	1883	10000	147	6.92	12.6	52.6	0.43	1220	105	20000	80	1.5
STATE 12-32-9-19	1.02	27741	6.5	414	40.7	1248	9960	130	10.9	9.77	33.5	0.58	488	354	16300	2	
DESERT SPRING 21-1-10-18	1.02	34508	6.5	570	56.8	1704	8860	210	7.23	0.89	38.7	0.43	732	632	23400	80	0.5
FEDERAL 12-20-9-19	1.02	27384	7.1	400	33.8	1186	6850	156	5.24	13.6	32.5	0.16	1220	73	18600	150	1.5
FEDERAL 12-31-9-19	1.02	24857	7.4	426	32.8	1226	5900	130	3.21	1.11	21.8	0.23	1220	322	16600	50	1.5
FEDERAL 14-17-9-19	1.02	21490	7.7	274	21.7	803	3730	92.1	2.71	10.8	18.1	0.2	732	8	16600	80	1
FEDERAL 21-19-9-19	1.02	26256	6.8	297	24.3	865	4140	46.6	22.7	1.02	18.7	0.41	1220	85	20400	110	1
FEDERAL 22-30-10-18	1.02	29014	6.5	561	59.5	1712	7770	162	158	9.93	49.8	2.71	732	109	19400	430	3
FEDERAL 23-31-9-19	1.02	32863	6.8	420	40.9	1269	7420	190	98.4	7.11	39.9	0.91	732	14	23900	60	1
FEDERAL 41-30-9-19	1.02	28743	6.5	513	45	1507	7440	168	20.4	2.07	33.2	0.26	488	233	19800	60	2.5
FEDERAL 43-19-9-19	1.02	25683	7.9	341	30.2	1029	6530	146	2.82	20.8	32.7	0.13	1220	59	17300	0	3.5
Rye Patch 22-21	1.02	21895	6.5	251	23.8	781	6180	75.6	6.75	13.2	40.5	0.63	488	16	14800	90	1
Rye Patch 24-21	1.02	32372	7.7	802	94	2482	8830	151	20.2	19.2	66.1	0.4	976	13	21400	50	1
SHEEP WASH 21-25-9-18	1.02	27350	6.5	466	45.5	1404	7450	204	8.16	5.03	41.9	0.26	976	53	18100	70	1
SHEEP WASH 34-26-9-18	1.02	34634	6.5	702	59.3	2049	8920	202	30.7	1.31	42.5	0.81	976	699	23000	180	2
UTE LAND 12-2-10-18	1.02	31414	8.1	615	61.4	1883	9630	242	15	34.6	59.5	1.12	1220	135	19400	0	3.5
DESERT SPRING 34-36-9-18	1.02	31709	6.5	481	44.8	1420	11400	154	7.79	0.37	28.9	0.33	732	1060	17800	70	2
DESERT SPRING 43-36-9-18	1.02	33862	6.8	551	51.2	1641	10700	147	7.21	1.7	44.7	0.21	488	271	21600	60	3
FED 34-19-9-19	1.02	33856	6.8	571	54.4	1711	11400	226	2.04	16.1	41.4	0.31	1220	525	19800	80	1.5
FEDERAL 14-31-9-19	1.02	32508	6.5	361	31.8	1108	10100	111	4.93	19.1	53	0.17	732	195	20900	100	1.5
FEDERAL 21-32A-9-19	1.02	32451	8.3	448	48.7	1409	10800	142	9.12	43.6	49.4	0.38	1710	200	19000	0	8
FEDERAL 32-31-9-19	1.02	31860	6.8	467	43.7	1378	11100	117	13.3	0.3	26.2	0.34	732	1160	18200	50	1.5
WILKIN RIDGE 24-32-10-17	1.02	33290	7.1	343	41.4	1051	11800	135	0.42	0.22	20.1	0.28	1460	1590	17900	50	3.5
WILKIN RIDGE 31-32-10-17	1.02	32181	8.3	352	38.6	1073	10500	156	3.98	1.8	28.3	0.16	2440	1060	17600	140	20
DESERT SPRING 21-36-9-18	1.02	29205	6.8	510	44.8	1502	7690	154	35.6	1.2	36.4	0.83	732	200	19800	50	1.5
DESERT SPRING 23-36-9-18	1.02	32614	6.5	838	68.8	2594	10500	162	23.6	158	88.6	0.54	732	42	20000	100	5
FEDERAL 21-31-9-19	1.02	30176	6.8	447	35.5	1297	4570	86.3	2.79	0.74	28.8	0.2	1710	95	23200	0	2.5
FEDERAL 23-18-9-19	1.02	25128	6.5	236	19.4	696	3780	58.9	22.3	10.2	16.5	0.36	976	8	20000	90	1
LAMB TRUST 24-14-9-19	1.02	36209	6.5	717	68.1	2146	17400	208	74	4.37	60.8	0.74	976	2000	14700	50	1
RBV 1-100	1.02	23224	6.5	180	17.6	533	3310	61	21.9	1.02	8.18	0.7	732	392	18600	150	10
SHEEP WASH 11-25-9-18	1.02	25951	6.8	101	8.43	307	3300	82.4	4.84	7.01	12.5	0.2	1220	15	21200	90	0.5
STATE 4-32B	1.02	33119	6.5	711	56.2	2046	5730	100	46.4	0.49	32.3	1.21	732	409	25300	120	4.5
UTE LAND 41-2-10-18	1.02	31640	6.5	605	52.7	1782	7390	130	5.16	2.37	44	0.17	488	223	22700	60	1
UTE LAND STATE 43-2-10-18	1.02	29297	6.8	493	40.1	1432	5140	113	31.2	1.04	29.1	0.36	488	261	22700	280	2
UTELAND STATE 21-2-10-18	1.02	28934	6.5	510	42.9	1501	7730	161	23.1	1.7	41.7	0.7	732	291	19400	100	3
FEDERAL 11-22-9-19	1.03	41119	6.5	1500	135	4381	13100	151	21.8	2.69	63.7	1.1	244	1200	24700	126	1.5
FEDERAL 43-30-9-19	1.03	39644	6.5	1440	133	4232	12600	236	163	2.12	72.5	3.17	244	650	24100	903	1.5
FEDERAL 44-20-9-19	1.03	50834	6.5	2150	163	6159	14800	268	39.2	2.91	96.5	1.23	732	481	32100	399	2
IOWA DISPOSAL PITS	1.03	40611	10	8.89	80.7	369	13700	619	0	1.68	11.1	0.04	4840	750	20800	0	1
WILKIN RIDGE 24-20-10-17	1.03	43909	6.5	1690	188	5203	13800	267	8.57	62.4	139	0.61	415	38	27300	168	5.5
FEDERAL 23-21-9-19	1.03	37672	6.8	1340	113	3881	11700	297	22	1.24	57	0.83	976	265	22900	210	4
FEDERAL 23-29 #1	1.03	44845	6.5	1720	189	5224	13900	331	39.2	15.2	118	1.13	976	155	27400	210	12
FEDERAL 44-20-9-19	1.03	41004	6.8	2200	147	6210	13000	311	39.1	3.14	89.5	1.13	1220	393	23600	462	5
DESERT SPRING 12-36-9-18	1.03	41852	7.1	1310	125	3923	13100	256	8.33	7.88	112	0.51	732	200	26000	360	3.5
STATE 7-36A	1.03	39195	6.8	1340	119	3961	11400	239	10.1	13.3	97.8	0.49	2440	135	23400	240	2
WILKIN RIDGE 24-20-10-17	1.03	49838	6.5	1850	204	5611	18500	328	26.6	141	37.5	1.15	976	74	27700	420	2
FEDERAL 11-22-9-19	1.03	41379	6.5	1450	128	4226	13600	173	19.4	0.9	63.8	1.03	732	611	24400	110	0.5
FEDERAL 23-21-9-19	1.03	41474	6.5	1370	121	3996	12900	271	24.2	1.11	62.9	0.82	732	491	25500	90	2
FEDERAL 23-29 #1	1.03	50643	6.8	1830	214	5624	15800	303	18.6	18.4	135	1.2	976	147	31200	120	3
FEDERAL 32-30-9-19	1.03	37694	6.8	1010	111	3057	12500	160	11.1	3.83	62.9	2.08	732	201	22900	120	2
FEDERAL 44-20-9-19	1.03	51387	6.5	2140	163	6136	15300	310	51.4	2.69	98.7	2.23	976	343	32000	180	4
LYTHAM 22-22-9-19	1.03	37485	6.5	1300	112	3787	12200	271	68.1	1.65	65.5	1.59	1220	345	21900	330	1.5
SHEEP WASH 41-25-9-18	1.03	39629	6.5	1500	130	4408	18300	369	50.6	10.4	101	1.2	976	191	18000	120	1
SHEEP WASH 23-25-9-18	1.03	41749	6.5	1730	153	5055	18600	309	38.4	3.65	85.4	2.06	732	295	19800	170	1
STATE 7-36A	1.03	47509	6.8	2368	198	7096	21100	445	12	54.4	255	0.62	976	0	22100	150	3
UTE LAND STATE 12-1-10-18	1.03	38146	6.5	948	71.4	2790	18000	294	32.2	5.54	107	1.1	244	743	17700	170	1.5
UTE LAND STATE 42-1-10-18	1.03	38328	7.1	1510	119	4335	11700	135	79.2	0.93	60.4	1.28	732	1290	22700	250	2
WILKIN RIDGE 24-20-10-17	1.03	46170	6.8	2540	208	7463	14300	313	15.9	93.5	165	0.69	488	46	28000	220	5

FEDERAL 23-21-9-19	1.03	40614	7.3	1430	129	4235	17100	255	42.9	1.29	112	2.13	671	70.4	20800	185	20
FEDERAL 43-30-9-19	1.03	37832	6.5	1330	115	3873	12200	286	97	4.71	62.4	1.99	366	269	23100	310	2.5
LYTHAM 22-22-9-19	1.03	37561	6.8	1480	118	4255	11900	317	582	2.57	58.5	9.24	854	240	22000	1500	2
FEDERAL 41-31-9-19	1.03	40035	6.5	833	111	2821	12000	225	51.4	1.48	70.4	2.01	488	353	25900	130	1
LAMB TRUST 24-22-9-19	1.03	40814	6.8	948	92	2811	12200	207	84.8	1.44	53.6	2.01	425	26800	250	1.5	
SHEEP WASH 14-25-9-18	1.03	41678	6.5	1040	101	3117	16500	357	13.7	14.5	79.2	1.07	488	884	22200	60	1
STATE 24-16-9-19	1.03	38189	7.1	722	62.6	2119	12900	155	9.01	5.82	45.8	0.41	488	2000	21800	11	
STATE 7-36A	1.03	44983	6.5	1300	114	3848	15300	214	27.3	13.4	104	0.68	488	122	27300	90	3
FEDERAL 11-21-9-19	1.03	40983	6.5	629	67.1	1915	9930	240	36	13.7	49.5	1.23	488	28	29500	90	2
FEDERAL 11-22-9-19	1.03	38902	6.5	1030	98.8	3035	10900	139	128	1.02	46.1	3.37	732	724	25100	150	9
FEDERAL 12-29-9-19	1.03	40139	7.1	482	46.4	1442	7690	159	4.64	3.1	37.9	0.24	976	140	30600	150	1.5
FEDERAL 13-30B	1.03	38719	6.5	997	101	2977	10800	186	205	11.9	52.8	2.68	488	275	25600	15	
FEDERAL 23-21-9-19	1.03	48458	6.5	1390	124	4057	13000	264	24.2	1.26	61.3	0.68	976	617	32000	180	3
WILKIN RIDGE 24-20-10-17	1.03	49345	6.5	1600	185	4887	13700	262	13.6	96.3	136	0.67	488	63	32800	230	5
DESERT SPRING 33-36-9-18	1.03	49272	6.5	1180	109	3488	17400	255	26.4	0.85	77.5	0.76	488	634	29100	70	1
DESERT SPRING 41-36-9-18	1.03	38662	6.5	599	54.3	1762	12400	142	6.42	0.57	35.6	0.24	976	948	23500	70	1
FEDERAL 12-30-9-19	1.03	39617	6.5	591	58.3	1762	12400	78.6	0.93	0.77	38.7	0.78	1220	328	24900	70	1
FEDERAL 24-31-9-19	1.03	40470	6.8	833	80	2493	13800	215	69.8	7.91	66	1.36	488	109	24800	200	0.5
SHEEP WASH 43-25-9-18	1.03	37766	6.8	814	71	2388	16000	124	26.7	1.27	52.5	0.62	976	2000	17700	60	2
WILKIN RIDGE 32-20-10-17	1.03	40750	6.8	976	108	3003	13900	270	9.06	19.6	91.2	0.55	976	2000	22400	100	4
WILKIN RIDGE 34-17-10-17	1.03	42181	6.5	890	84.8	2655	15500	236	10.4	3.1	69	0.31	732	655	24000	180	3.5
WILKIN RIDGE 44-32-10-17	1.03	39977	6.8	724	81.5	2214	13600	230	10.5	2.15	58.7	0.49	1220	1250	22800	120	5
LAMB TRUST 34-22-9-19	1.03	40051	8.1	989	92	2933	18000	250	22.6	15.1	62.1	0.63	1220	2000	17400	50	109
UTE LAND STATE 12-1-10-18	1.03	43566	7.4	1340	124	3953	15500	335	1.76	2.23	79.2	1.6	732	1450	24000	30	4
FEDERAL 14-18-2 #1	1.04	55965	6.5	2620	287	8095	17700	521	0	116	244	1.39	244	32	34200	168	5.5
GATE CANYON 23-16-11-16	1.04	60394	6.8	3210	335	9587	18800	478	20.1	2.18	158	0.77	952	938	35500	268	2
GATE CANYON 41-19-11-15	1.04	53238	6	3250	216	9126	12100	273	14.9	2.33	96.1	0.47	244	541	36500	200	4.5
FEDERAL 14-18-2 #1	1.04	60261	6.5	1610	161	4736	9890	218	9.6	65.4	0.94	488	18	47800	80	1	
FEDERAL 21-30-9-19	1.04	62851	6.5	2090	211	6230	17700	344	24.6	5.23	116	1.01	488	471	41400	100	3
LYTHAM 22-22-9-19	1.04	59516	6.5	12500	115	31807	17200	269	47.8	1.28	72.3	1.19	488	421	28400	60	2.5
FEDERAL 44-20-9-19	1.06	84832	6.5	17900	199	45715	19200	331	13.6	4.67	124	1.14	488	671	45900	90	3
GATE CANYON 23-16-11-16	1.06	86477	6.5	3900	416	11465	19900	448	2.79	1.58	1.34	488	419	60900	50	1	
GATE CANYON 23-16-11-16	1.07	110261	6	12200	468	32542	37800	771	60.7	10.7	100	1.35	488	663	57700	150	1.5
RBU 15-3D	1.17	262891	6.8	20700	8930	88885	36700	5390	115	19.1	377	26.6	0	633	190000	480	2
Field Average	1.02	28383	7.7	797	90	2444	9071	205	31.3	13.10	49	8	881	777	16438	216	3.6
Location	Specific Gravity	TDS	pH	Ca (mg/L)	Mg (mg/L)	TH (CaCO3)	Na (mg/L)	K (mg/L)	Fe (mg/L)	Ba (mg/L)	Sr (mg/L)	Mn (mg/L)	HCO3 (mg/L)	SO4 (mg/L)	Cl (mg/L)	CO2 (mg/L)	H2S (mg/L)

ATTACHMENT H

FRACTURE GRADIENT CALCULATIONS

Offset ISIP Data & Fracture Gradient Calculations					S.G.	Hydro-Static	ISIBHP	Fracture Gradient
Well Name	Top	Bottom	Mid-Perf	ISIP				
Federal 21-19-9-19	8910	9052	8981	2000	1.017	3955	5955	0.6631
Federal 11-19-9-19	8970	8976	8973	3500	1.017	3951	7451	0.8304
Federal 34-19-9-19	8788	8794	8791	2900	1.017	3871	6771	0.7702
Federal 32-19-9-19	8610	8615	8613	3700	1.017	3793	7493	0.8700
Federal 23-19-9-19	6682	7590	7136	2150	1.017	3142	5292	0.7417

Sego #4 Data

Top Perf	3174
Bottom Perf	5030
Hydraulic Fracture Gradient	0.8
TDS Water, mg/l:	35000
Calculated % by weight:	3.50%
Estimated Specific Gravity:	1.0235

Top Perf Max Injection Pressure Calc:

Top Perf. Bottom Hole Frac Pressure:	2539
Top Perf. Bottom Hole Frac Hydrostatic:	1407
Top Perf Maximum Injection Pressure:	1133

Mid-Perf Max Injection Press. Calc:

Mid-Perf. Bottom Hole Frac Pressure:	3282
Mid-Perf. Bottom Hole Frac Hydrostatic:	1818
Mid-Perf Maximum Injection Pressure:	1464

Bottom Perf Max Injection Pressure Calc:

Top Perf. Bottom Hole Frac Pressure:	4024
Top Perf. Bottom Hole Frac Hydrostatic:	2229
Top Perf Maximum Injection Pressure:	1795

Select Safety Factor of Mid-Perf MIP:	80%
---------------------------------------	-----

Mid-Perf MIP w/ Safety Factor:	1171
--------------------------------	------

Maximum Injection Pressure, psi	1150
Average Injection Pressure, psi	1050

Frac gradient should decrease w/ depth 0-4000'
as fracture regime converts f/ horizontal to vertical

Friction Pressure is ignored in this calculation.

A break down test in the upper perforations will
likely yield a higher frac gradient than shown here

ATTACHMENT I

Work Procedure for Proposed Plug and Abandon

- 1) Set cement retainer w/ wireline @ +/- 3,158'. (Top perf @ 3,174', DV tool @ 3,120')
- 2) Establish pump-in rate and pressure
- 3) Pump 245 sacks Class "G" cement mixed at 15.8 ppg through retainer into perfs @ 3,174'-5,030'. (See attached P&A wellbore diagram)
- 4) Set balanced plug of 25.5+ sax (100'+) of 15.8 ppg Class "G" immediately on top of retainer in (1) above (2,937'- 3,158') to cover 2,987' (top of BMSA) and 3,108' (top of Wasatch) Estimated 221'. Pull out of cement.
- 5) Reverse tubing clean, pull up the hole.
- 6) RIH to tag top of cement. Pull up hole to next plugging depth.
- 7) Set balanced plug of 11.5+ sx (100'+) of 15.8 ppg Class "G" evenly straddling the 8-5/8" surface casing shoe @ 657'.
- 8) Reverse tubing clean, pull up the hole.
- 9) RIH to tag top of cement. Pull up hole to next plugging depth.
- 10) Set balanced plug of 11.5+ sax (100'+) of 15.8 ppg Class "G" from 100' to surface.
- 11) Tag top of cement, and if necessary, top-load additional cement until hole filled to marker weld-on point.
- 12) Install surface marker with Well Name, Legal Location, Operator, and Date welded on to casing, or cut off casing 4' below ground with buried subsurface plate bearing the same welded-on information.
- 13) Remove production equipment and facilities. Reclaim and reseed location as per regulations.

ATTACHMENT J

Wellbore Diagram of Plugged and Abandoned Well

Operator : Gasco Production Co.
Field : Re-Entered Wildcat Well
Surface Location : Sec. 31, T11S - R16E
Surface Footages : 1,813' FNL & 2,027' FEL
County : Duchesne
State : Utah
API No. : 43 013 31949
Elevation : 6,520' GR

Surface Hole : 11"
Proposed Prod. Hole: 7-7/8"

Surface Casing : 8-5/8", 24#, J-55
Set at : 656.7'
Cement : 240 sx Class "G" w/
 2% CaCl₂ & 1/4# cel flake
 Cmt to surf w/223 sx away

Proposed Prod. Casing: 5-1/2", 17#, J-55, 8R,
 LT&C, L-80 or J-55'

Proposed Prod. Csg. Top: Surface

PROPOSED 5-1/2" CEMENTING PROGRAM

+/- 5,152 - 3,120': 14.2 ppg Stage 1
 +/- 3,120 - surface: 11.5 ppg Stage 2



100'+ of Class "G", 15.8 #/gal balanced plug f/ surface (11.5+ sacks)
Weld marker in dry pasture, weld subsurface plate in cropland

100'+ of Class "G", 15.8 #/gal balanced plug
straddling surface casing shoe @ 657' (11.5+ sacks)

221'+ of Class "G", 15.8 #/gal balanced plug above RBP (25.5+ sacks)
Covers 50' over BMSA @ 2,987' & 50' below top of Wasatch (3,108')

DV Tool +/- 3,120' (5-1/2" Stage Cementing Collar)

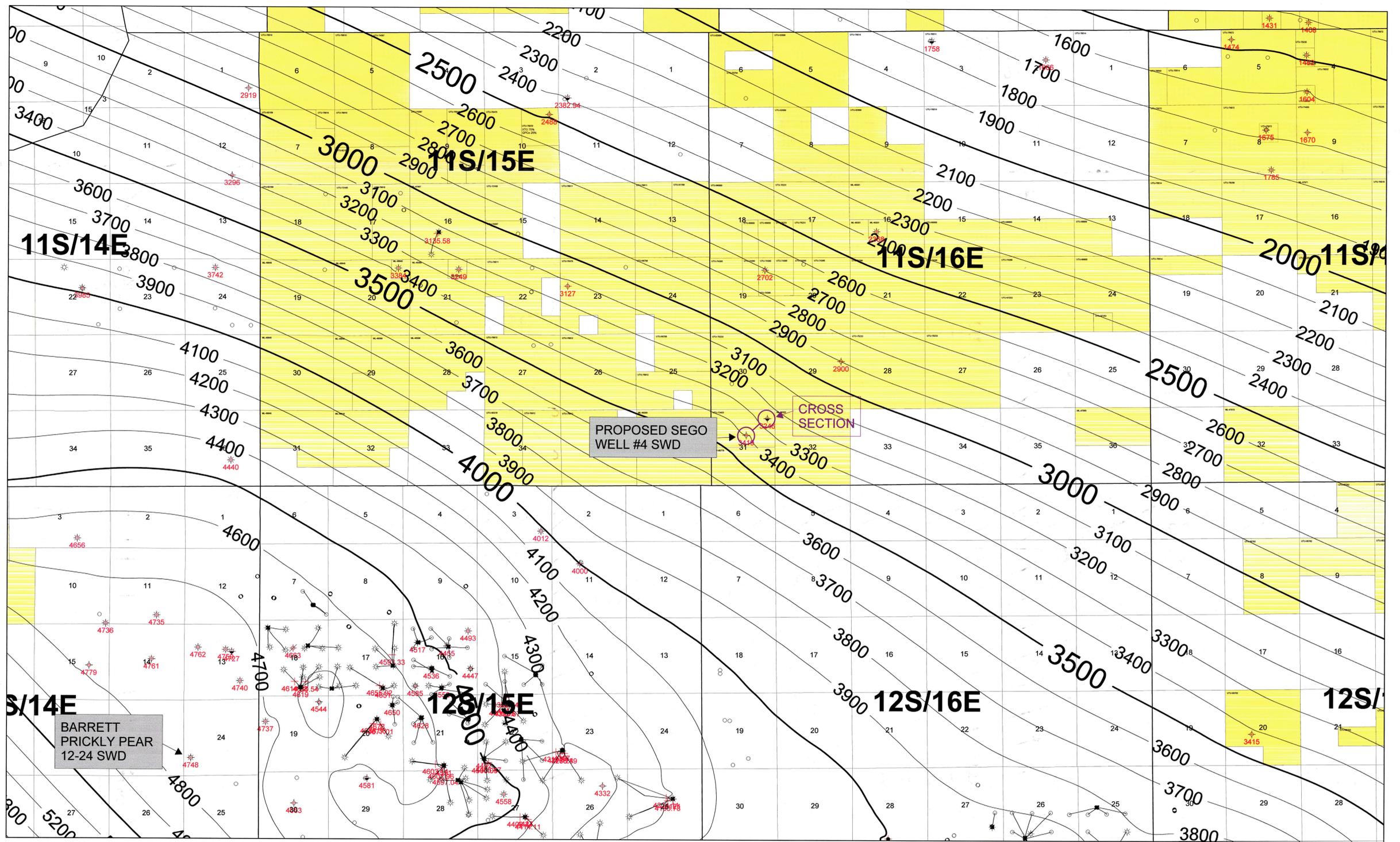
Retainer at +/- 3,158' 213 sacks + 32 sacks (15% excess)

	Feet
Perfs: 3,174'-3,178', 4 SPF, 90° phasing, 39 gr., 3-3/8" hollow carrier, API 51" or better	4
Perfs: 3,184'-3,218' " " " " " "	34
Perfs: 3,227'-3,240' " " " " " "	13
Perfs: 3,508'-3,529' " " " " " "	21
Perfs: 3,831'-3,845' " " " " " "	14
Perfs: 4,028'-4,066' " " " " " "	38
Perfs: 4,074'-4,112' " " " " " "	38
Perfs: 4,129'-4,143' " " " " " "	14
Perfs: 4,710'-4,724' " " " " " "	14
Perfs: 4,850'-4,855' " " " " " "	5
Perfs: 5,027'-5,030' " " " " " "	3
Total	198
Rat Hole +/- 5,030'-5,060'	
Float Collar +/- 5,060'-5,061'	
Shoe Joint +/- 5,061'-5,106'	
Shoe Joint +/- 5,106'-5,151'	
Guide Shoe +/- 5,151'-5,152', TD	

POWERPOINT

Enclosure 1: Map, Structure, Top Wasatch Formation,
Line of Cross Section (Powerpoint)
Regional Correlations, Seg0 4 Wasatch UIC.gmp

Enclosure 2: Cross Section (Powerpoint)
Global, Water Disp, Seg0.xsd



**SEGO WELL #4 SWD CLASS II UIC PERMIT APPLICATION
POWERPOINT ENCLOSURE 1**



**SEGO WELL #4 AREA
STRUCTURE, TOP WASATCH
LINE OF CROSS SECTION**

Author: RD/RHK	Cl: 100'	Date: 14 November, 2011
	Scale: <scale>	

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DIV. OF OIL, GAS & MINING

December 13, 2011

Brad Hill
Department of Natural Resources- Oil, Gas & Mining
1594 West North Temple
PO BOX 145801
Salt Lake City, UT 84114-5801



RE: Gasco Sego #4 UIC/ APD Application

Mr. Hill,

Gasco Production Company sent in the Sego Well #4 APD. It was designated number 5033 on the UDOGM electronic reporting page of your web site. There was no place to download the UIC Application so I am sending it to you. Enclosed is a hard copy of the UIC application with logs and maps and a CD.

Robin Dean and I appreciate your help in this endeavor and I was hoping to continue to use you as the contact point on this APD /UIC application if possible.

Please contact me if you need additional information or if you have comments or questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Roger Knight".

Roger Knight
EHS Supervisor
rknight@gascoenergy.com
303-996-1803 direct office
720-810-3850 cell

GASCO Production Company
8 Inverness Drive East, Suite 100
Englewood, CO 80112-5625

Tel: (303) 483-0044
Fax (303) 483-0011
Email: rknight@gascoenergy.com

API Well Number:

FORM 3

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

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL		1. WELL NAME and NUMBER Sego Well 4
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>		3. FIELD OR WILDCAT GATE CANYON
4. TYPE OF WELL Water Disposal Well Coalbed Methane Well: NO		5. UNIT or COMMUNITIZATION AGREEMENT NAME GATE CANYON
6. NAME OF OPERATOR GASCO PRODUCTION COMPANY		7. OPERATOR PHONE 303 483-0044
8. ADDRESS OF OPERATOR 8 Inverness Dr. East, Suite 100, Englewood, CO, 80112		9. OPERATOR E-MAIL jlongwell@gascoenergy.com
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) utu73425	11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>	
13. NAME OF SURFACE OWNER (if box 12 = 'fee')		12. SURFACE OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')		14. SURFACE OWNER PHONE (if box 12 = 'fee')
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')		16. SURFACE OWNER E-MAIL (if box 12 = 'fee')
18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>		19. SLANT VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	1813 FNL 2027 FEL	SWNE	31	11.0 S	16.0 E	S
Top of Uppermost Producing Zone	1813 FNL 2027 FEL	SWNE	31	11.0 S	16.0 E	S
At Total Depth	1813 FNL 2027 FEL	SWNE	31	11.0 S	16.0 E	S

21. COUNTY DUCHESNE	22. DISTANCE TO NEAREST LEASE LINE (Feet) 1813	23. NUMBER OF ACRES IN DRILLING UNIT 271
27. ELEVATION - GROUND LEVEL 6520	25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 13200	26. PROPOSED DEPTH MD: 5152 TVD: 5152
28. BOND NUMBER ut1233	29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 41-3530	

Hole, Casing, and Cement Information

String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Surf	11	8.625	0 - 657	24.0	J-55 LT&C	8.3	Class G	240	1.15	15.8
Prod	7.875	5.5	0 - 5152	17.0	J-55 LT&C	9.2	Light (Hibond)	330	2.46	11.5
							50/50 Poz	410	1.28	14.2

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 type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	<input type="checkbox"/> FORM 5, IF OPERATOR IS OTHER THAN THE LEASE OWNER
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP

NAME Roger Knight	TITLE EHS Supervisor	PHONE 303 996-1803
SIGNATURE	DATE 12/13/2011	EMAIL rknight@gascoenergy.com
API NUMBER ASSIGNED	APPROVAL	



RECEIVED
DEC 15 2011
DIV. OF OIL, GAS & MINING

Received: December 13, 2011

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

FORM 3

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER Sego well 4				
2. TYPE OF WORK DRILL NEW WELL <input type="radio"/> REENTER P&A WELL <input checked="" type="radio"/> DEEPEN WELL <input type="radio"/>						3. FIELD OR WILDCAT GATE CANYON				
4. TYPE OF WELL Water Disposal Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME GATE CANYON				
6. NAME OF OPERATOR GASCO PRODUCTION COMPANY						7. OPERATOR PHONE 303 483-0044				
8. ADDRESS OF OPERATOR 8 Inverness Dr. East, Suite 100, Englewood, CO, 80112						9. OPERATOR E-MAIL jlongwell@gascoenergy.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU73425			11. MINERAL OWNERSHIP FEDERAL <input checked="" type="radio"/> INDIAN <input type="radio"/> STATE <input type="radio"/> FEE <input type="radio"/>			12. SURFACE OWNERSHIP FEDERAL <input checked="" type="radio"/> INDIAN <input type="radio"/> STATE <input type="radio"/> FEE <input type="radio"/>				
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')				
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="radio"/> (Submit Commingling Application) NO <input checked="" type="radio"/>			19. SLANT VERTICAL <input checked="" type="radio"/> DIRECTIONAL <input type="radio"/> HORIZONTAL <input type="radio"/>				
20. LOCATION OF WELL		FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN		
LOCATION AT SURFACE		1813 FNL 2027 FEL		SWNE	31	11.0 S	16.0 E	S		
Top of Uppermost Producing Zone		1813 FNL 2027 FEL		SWNE	31	11.0 S	16.0 E	S		
At Total Depth		1813 FNL 2027 FEL		SWNE	31	11.0 S	16.0 E	S		
21. COUNTY DUCHEESNE			22. DISTANCE TO NEAREST LEASE LINE (Feet) 1813			23. NUMBER OF ACRES IN DRILLING UNIT 271				
27. ELEVATION - GROUND LEVEL 6520			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completion) 13200			26. PROPOSED DEPTH MD: 5152 TVD: 5152				
			28. BOND NUMBER UT-1233			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 41-3530				
Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Surf	11	8.625	60 - 65	24.0	J-55 LT&C	8.3	Class G	240	1.15	15.8
Prod	7.875	5.000	0 - 152	17.0	J-55 LT&C	9.2	Light (Hibond)	330	2.46	11.5
							50/50 Poz	410	1.28	14.2
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 type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Roger Knight			TITLE EHS Supervisor			PHONE 303 996-1803				
SIGNATURE			DATE 01/11/2012			EMAIL rknight@gascoenergy.com				
API NUMBER ASSIGNED 43013511720000						APPROVAL				

Returned Unapproved

Gasco Production Company
Sego Well #4
SW/NE, Section #31, Township11S, Range16E
Duchesne, Utah
Lease No. UTU- #73425

ONSHORE OIL & GAS ORDER NO. 1

Drilling Program

1. Estimated Tops of Important Geological Markers

Formation	Depth
Green River Formation	Surface
Garden Gulch	806'
Y-Marker	1597'
Douglas Creek Marker	1647'
BiCarbonate Marker	1820'
B Limestone Marker	1900'
Castle Peak Limestone	2442'
Uteland Butte Limestone	2909'
Top of Upper Confining zone	2987'
Wasatch Formation	3108'
Base of Upper Confining zone	3174'
Top of Injection zone	3174'
Base of Injection zone	5,030'
Top of Lower Confining zone	5,065'
Base of Lower Confining zone	5,400'

2. Estimated Depth of Anticipated Water, Oil, Gas or Mineral Formations

Substance	Formation	Depth
Water	Wasatch	3,174'- 5,030'

All fresh water and prospectively valuable minerals encountered during drilling will be recorded by depth and adequately protected.

3. Pressure Control Equipment

All well control equipment will be in accordance to Onshore Order No. 2 for 5M Systems and are as follows:

- 5,000# BOP with 4 ½" Pipe Rams
- 5,000# BOP with Blind Rams
- 5,000# Annular

Ram type preventers and associated equipment shall be tested to the approved stack working pressure if isolated by test plug or to 70 percent of internal yield pressure of casing. Pressure shall be maintained for at least 10 minutes or until requirements of test are met, whichever is longer. If a test plug is utilized, no bleed-off pressure is acceptable. For a test not utilizing a test plug, if a decline on pressure of more than 10 percent in 30 minutes occurs, the test shall be considered to have failed. Valve on casing head below test plug shall be open during test of BOP stack.

Annular type preventers (if used) shall be tested to 50 percent of rated working pressure. Pressure shall be maintained at least 10 minutes or until provisions of test are met, whichever is longer.

As a minimum, the above test shall be performed:

- a. when initially installed;
- b. whenever any seal subject to test pressure is broken
- c. following related repairs; and
- d. at 30 day intervals

Valves shall be tested from working pressure side during BOPE tests with all down stream valves open.

When testing the kill line valve(s) the check valve shall be held open or the ball removed.

Annular preventers shall be functionally operated at least weekly.

Pipe and blind rams shall be activated each trip, however, this function need not be performed more that once a day.

A BOPE pit level drill shall be conducted weekly for each drilling crew.

Pressure tests shall apply to all related well control equipment.

All of the above described tests and/or drills shall be recorded in the drilling log.

BOP systems shall be consistent with API RP 53. Pressure tests will be conducted before drilling out from under casing strings which have been set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection will be recorded on the daily drilling report. Preventers will be pressure tested before drilling cement plugs.

The District Office will be notified, with sufficient lead time, in order to have a BLM representative on location during testing.

- a. The size and rating of the BOP stack is shown on the attached diagram. Although a rig has not yet been chosen to drill this well, most of the equipment for this depth will utilize 5M working BOP.
- b. A choke line and kill line are to be properly installed. The kill line is not to be used as a

fill-up line.

c. The accumulator system shall have a pressure capacity to provide for repeated operation of hydraulic preventers.

d. Drill string safety valve(s), to fit all tools in the drill string, are to be maintained on the rig floor while drilling operations are in progress.

4. Proposed Casing and Cementing Program

a. The proposed casing and cementing program shall be conducted as approved to protect and/or isolate all usable water zones, potentially productive zones, lost circulation zones abnormally pressured zones and any prospectively valuable deposits of minerals. Any isolating medium other than cement shall receive approval prior to use. The casing setting depth shall be calculated to position the casing seat opposite a competent formation which will contain the maximum pressure to which it will be exposed during normal drilling operations. Determination of casing setting depth shall be based on all relevant factors including: presence/absence of hydrocarbons, fracture gradients, usable water zones, formation pressures, lost circulation zones, other minerals, or other unusual characteristics. All indications of usable water shall be reported.

b. Casing Program

	<u>Depth</u>	<u>Hole Size</u>	<u>O.D.</u>	<u>Grade&Weight</u>	<u>Type</u>
Surface(existing)	657	11.0	8.625	J-55 24#	LT&C
Production	5,152	7.875	5.5	J-55 17#	LT&C

c. Casing design subject to revision based on geologic conditions encountered.

d. Cement Program

	<u>Est. Top of Cement</u>	<u>Cement Type</u>	<u>Quantity</u>	<u>Yield</u>	<u>Supply Wt.</u>
Surface	Surface	Class "G"	240	1.15	15.8
Production	Surface	Lite	330 (+50%)	2.46	11.5
	3120'	50-50 POZ	410 (+50%)	1.28	14.2

e. Anticipated cement tops will be reported as to depth; not the expected number of sacks of cement to be used. The District Office should be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.

f. After cementing but before commencing any test, the casing string shall stand cemented until the cement has reached a compressive strength of at least 500 psi at the shoe. WOC time shall be recorded in the driller's log.

g. The following reports shall be filed with the District Manager within 30 days after the work is completed.

1. Progress reports, form 3160-5 "Sundry Notices and Reports on Wells", must include complete information concerning:

a. Setting of each string of casing, showing the size, grade, weight of casing set, hole size, setting depth, amounts and type of cement used, whether cement circulated or the top of the cement behind the casing, depth of cementing tools used, casing test method and results, and the date work was done. Show the spud date on the first reports submitted.

b. Temperature or bond log must be submitted for each well where the casing cement was not circulated to the surface.

h. Auxiliary equipment to be used is as follows:

1. Kelly cock
2. A bit float
3. A sub with full opening valve.

5. Drilling Fluids Program:

<u>Interval</u>	<u>Type</u>	<u>Wt. (ppg)</u>	<u>Viscosity</u>	<u>API</u>	<u>Water Loss</u>	<u>Remarks</u>
0-657'	Fresh Water	8.33	1		NA	
657' - 5,152'	Fresh Water Gel	8.6 -9.2	30-40	8	8-10	Mud as req.

a. Sufficient quantities of mud material will be maintained on site or be readily available for the purpose of assuring well control. SPR will be recorded on a daily drilling report after mudding up. Visual mud monitoring will be conducted during operations.

b. No chromate additives will be used in the mud system on Federal lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

c. 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.

d. The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

6. Evaluation Program

The anticipated type and amount of testing, logging and coring are as follows:

a. No drill stem tests are anticipated, if DST's are run, the following requirements will be adhered to:

Initial opening of the drill stem test tools shall be restricted to daylight hours unless specific approval to start during other hours is obtained from the authorized officer (AO). However, DST's may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e. lighting which is adequate for visibility and vapor-proof for safe operations). Packers can be released, but tripping shall not begin before daylight, unless prior approval is obtained from the AO. Closed chamber DST's may be accomplished day or night.

A DST that flows to the surface with evidence of hydrocarbons shall be either reversed out of the testing string under controlled surface conditions. This would involve providing means for reverse circulation.

Separation equipment required for the anticipated recovery shall be properly installed before a test starts.

All engines within 100 feet of the wellbore that are required to "run" during the test shall have spark arresters or water cooled exhausts.

b. The logging program will consist of Schlumberger Platform Express (or equivalent) to be run from base of surface casing to TD.

c. No cores are anticipated.

d. "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted no later than 30 days after the completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well tested data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

e. The anticipated completion program is as follows: Perforate injection zones underbalanced by wireline and/or tubing-conveyed guns. Stimulate with gas fracs, fluid fracs, or acid as required. Inject all zones commingled.

f. Daily drilling and completion progress reports shall be submitted to the BLM in Vernal on a weekly basis.

7. Abnormal Temperatures and Pressures

a. The expected bottom hole pressure is 2300 psi. The maximum bottom-hole temperature anticipated is 110 degrees Fahrenheit.

b. No hydrogen sulfide gas is anticipated. Abnormal pressures will be controlled with mud weight and 5,000# BOP and rotating head.

8. Anticipated Starting Dates and Notifications of Operations

- a. Drilling is anticipated to commence immediately upon approval
- b. It is anticipated that the drilling of this well will take approximately 10 days.
- c. The BLM in Vernal, Utah shall be notified of the anticipated date of location construction and anticipated spud date.
- d. No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior to approval from the AO will be obtained and notification given before resuming operations.
- e. The spud date will be reported orally to the AO within 48 hours of spudding. If the spudding occurs on a weekend or holiday, the report will be submitted via voice mail and/or e-mail to the AO.
- f. In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 3160-6 "Monthly Report Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed with Vernal BLM Office, 170 South 500 East, Vernal, Utah, 84078.
- g. Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual or undesirable events shall be reported promptly to the AO in accordance with the requirements of NTL-3A or its revision.
- h. If a replacement rig is contemplated for completion operations, a "Sundry Notice" Form 3160-5 to that effect will be filed, or prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.
- i. Should the well be successfully completed for injection, the AO will be notified when the well is placed on injecting status. Written notification, e-mail or otherwise, will be sent no later than 5 days following the date on which the well is placed on injection.
- j. Pursuant to Onshore Order No. 7, with the approval of the District Engineer, produced water may be temporarily disposed of into unlined pits for a period of 90 days. During the period so authorized, an application for approval of the permanent disposal method, along with the required water analysis and other information, must be submitted to the District Engineer.
- k. Pursuant to NTL-4A lessees or operators are authorized to vent/flare gas during initial well evaluation test, not exceeding a period of 30 days or the production of 50 MMCF of gas, whichever occurs first. An application must be filed with the District Engineer and approval received, for any venting/flaring of gas beyond the initial 30 day authorized test period.
- l. A schematic facilities diagram as required by 43 CFR 3162.7-5 (b.9.d.), shall be submitted to the BLM, Vernal Field Office within 60 days of installation or first injection whichever occurs first. All site security regulations as specified in Onshore Order No.3 shall be adhered to. All

lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-5 (b.4.).

m. No well abandonment operations will commence without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5 will be filed within 30 days following the completion of the well for abandonment. The report will indicate where plugs were placed and the current status of the surface restoration. Final abandonment will not be approved until the surface reclamation work has been completed to the satisfaction of the AO.

n. Pursuant to Onshore Oil and Gas Order No.1, lessees and operators have the responsibility of operating in a manner which conforms with the applicable Federal laws and regulations and with the State and local laws and regulations to the extent that such laws are applicable to operations on Federal lands.

o. State of Utah UIC Rule R649-5. Underground Injection Control of Recovery Operations and Class II Injection Wells will be adhered to at all times.

Bureau of Land Management
170 South 500 East
Vernal, Utah 84078

Phone: (435)781-4400

Fax: (435)781-4410

After Hours:

Michael Lee - Petroleum Engineer (435)828-4470

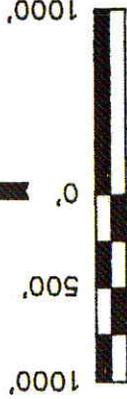
Returned Unapproved

SEGO RESOURCES

Well Location, WELL #4, located as shown in the SW 1/4 NE 1/4 of Section 31, T11S, R16E, S.L.B.&M. Duchesne County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHEAST CORNER OF SECTION 29, T11S, R16E, S.L.B.&M. TAKEN FROM THE COMBOY BENCH, QUADRANGLE, UTAH, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 6404 FEET.



SCALE

CERTIFICATE

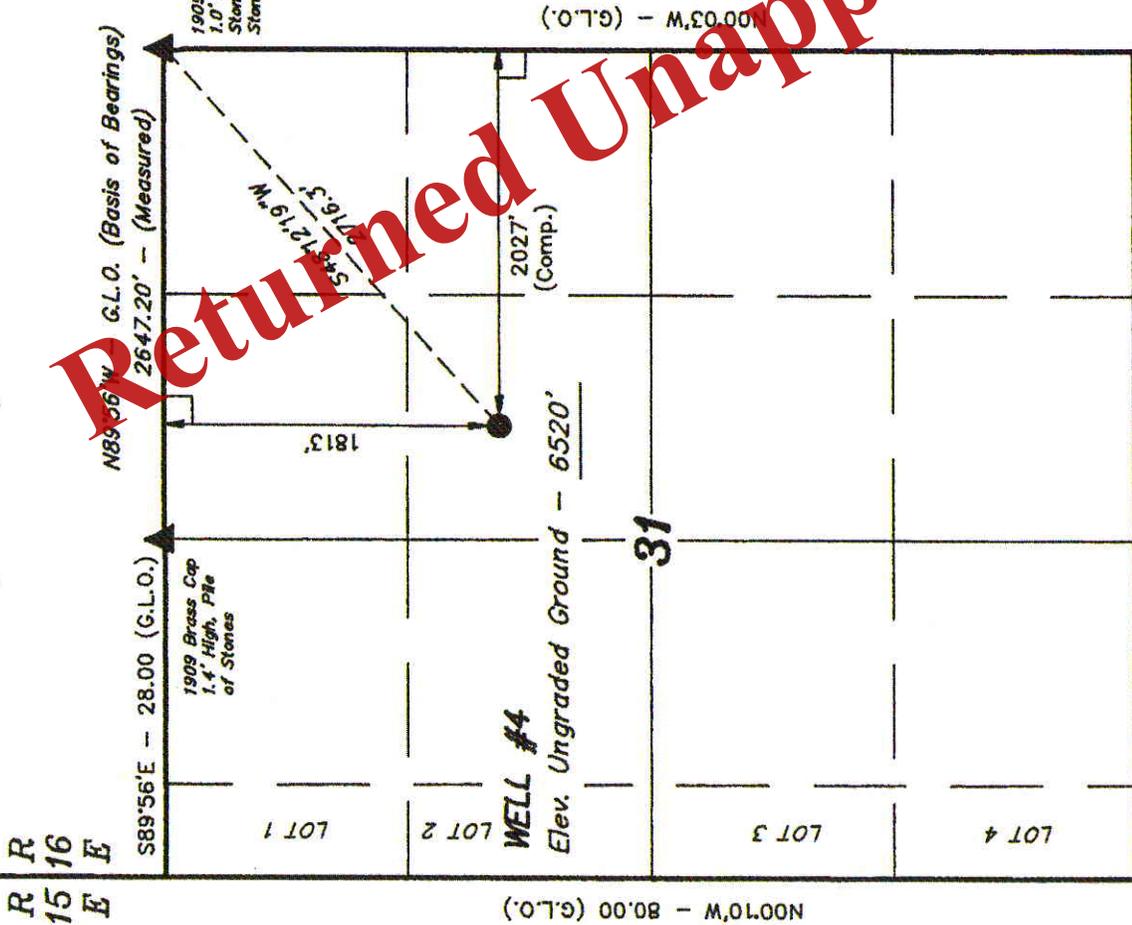
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

David S. King
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 161319
 STATE OF UTAH

UTAH ENGINEERING & LAND SURVEYING
 85 SOUTH 200 EAST - VERNAL, UTAH 84078
 (801) 789-1017

SCALE	1" = 1000'	DATE SURVEYED:	08-04-97	DATE DRAWN:	08-12-97
PARTY	G.S. J.W. D.R.B.	REFERENCES	G.L.O. PLAT		
WEATHER	WARM	FILE	SEGO RESOURCES		

T11S, R16E, S.L.B.&M.

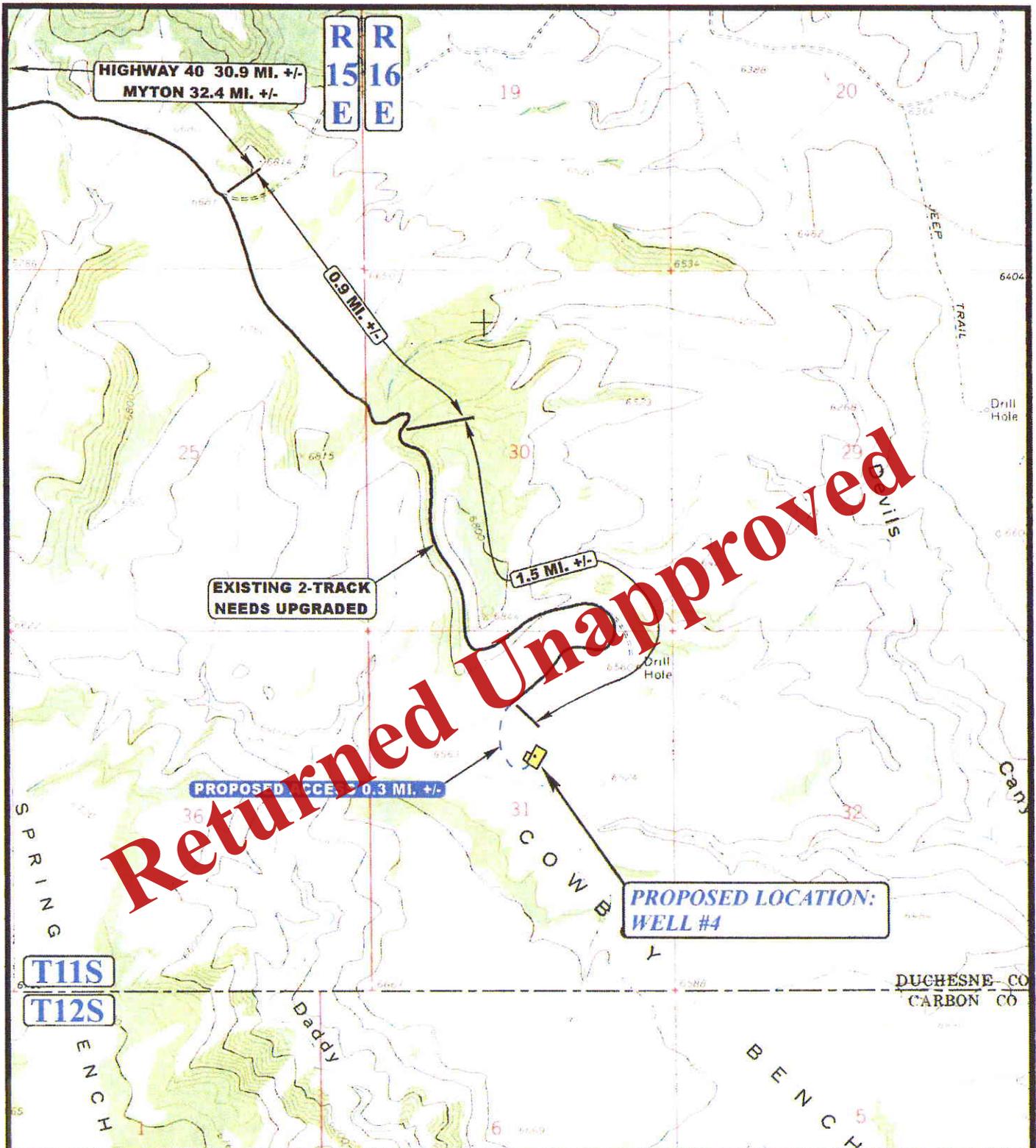


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LEGEND:

- ┌ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

EAST - 67.60 (G.L.O.)



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LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING ROAD

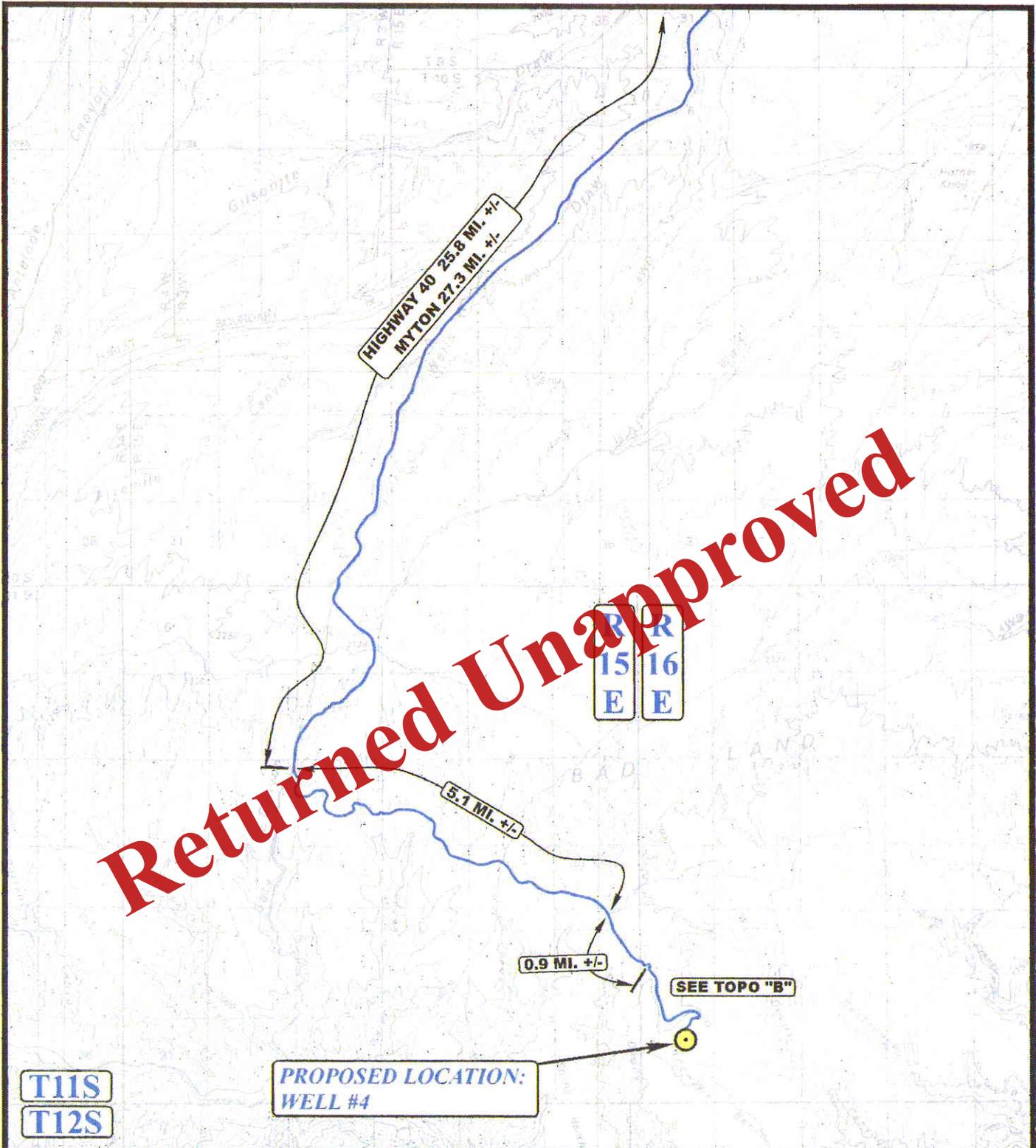


SEGO RESOURCES

WELL #4
 SECTION 31, T11S, R16E, S.L.B.&M.
 1813' FNL 2027' FEL

U E L S	Uintah Engineering & Land Surveying 85 South 200 East Vernal, Utah 84078 (801) 789-1017 * FAX (801) 789-1813 Email: uels@easilink.com
----------------------------	---

TOPOGRAPHIC	8	12	97	B
MAP	MONTH	DAY	YEAR	
SCALE: 1" = 2000'		DRAWN BY: D.COX		REVISED: 00-00-00
				TOPO



T11S
T12S

PROPOSED LOCATION:
WELL #4

LEGEND:

● PROPOSED LOCATION



SEGO RESOURCES

WELL #4
SECTION 31, T11S, R16E, S.L.B.&M.
1813' FNL 2027' FEL

UELS Utah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(801) 789-1017 * FAX (801) 789-1813
Email: uels@easilink.com

TOPOGRAPHIC MAP 8 12 97
MONTH DAY YEAR
SCALE: 1:100,000 DRAWN BY: D.COX REVISED: 00-00-00



Gasco Production Company
Sego well #4
SW/NE, Section #31, Township 11S, Range 16E
Duchesne, Utah
Lease No. UTU- #73425

ONSHORE OIL & GAS ORDER NO. 1

Notification Requirements

Location Construction-	48 hours prior to construction of location and access roads
Location completion-	prior to moving on with drilling rig.
Spud Notice-	at least 24 hours prior to spudding the well.
Casing String and Cementing-	24 hours notice prior to running casing and cementing
BOP and Related Equipment-	24 hours prior to initiating pressure tests.
First Injection Notice-	Within 5 business days after new well begins or production resumes after well has been off production for more than 90 days.

The onsite inspection for the subject well site will be conducted. Weather conditions, open ground and COA's will be noted and implemented prior to any site disturbance. Attendance at the onsite will consist of BLM and Gasco personnel. Other individuals may include surveyors and other third party consultants used by either BLM or Gasco. The following individuals are most likely to be in attendance:

Bill O'Vish	Bureau of Land Management
Scott Duncan	Gasco Production Company
Roger Knight	Gasco Production Company
Jesse Duncan	Gasco Production Company

Should personnel changes need to occur phone and or email messages will be sent to notifying BLM and Gasco of changes.

1. Existing Roads

See Attached Topographic Map "A".

Description of travel from Topos.

2. Planned Access Road

See Attached Topographic Map "B" for location of the proposed access road.

3. Location of Existing Wells

See Attached Topographic Map "C"

- a. Producing Wells -
- b. Abandoned Wells -

4. Location of Tank Batteries and Injection Facilities

- a. All permanent surface equipment will be painted to BLM specifications.
- b. Storage tanks batteries will be surrounded by containment dike of sufficient capacity to contain at a minimum, the entire contents of the largest tank within the contained area, unless more stringent requirements are necessary as notified by the AO.
- c. A layout will be submitted via sundry upon proven injection integrity of the well.
- d. All loading lines will be placed inside the berm/dike surrounding the tank battery.
- e. A Gas Meter Run will be placed within 500 ft. of the wellhead. Meter runs will be housed. The oil and gas measurement equipment will be installed on the well location. Measurement equipment will be calibrated in place prior to any deliveries. Tests for accuracy will be conducted monthly for the first three months on new installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the calibration reports will be submitted to the Vernal Field Office.
- f. Any necessary pits will be properly fenced to prevent any wildlife entry.
- g. The access road will be maintained in a safe, usable condition conducive to the climate and seasonal conditions in order to accommodate daily operation of the well and prevent erosion.
- h. Pipelines, up to 6" steel or poly, will follow the proposed access as detailed in attached Topo Map "D". The pipeline will be laid on the surface except road crossings where they will be buried to a depth of 3'-5'. The method of coupling will be welded. Associated pipeline components, such as risers, pig launchers/catchers, meters, valves, etc. will be contained within the 30' needed for construction of the pipeline.

5. Location and Type of Water

- a. Water will come from: Water Right No. 41-3530.
- b. Water will be hauled by commercial transport over the access roads shown on Attached Maps "A" and "B".
- c. No water well will be drilled on this lease.

6. Source of Construction Material

- a. Any gravel used will be obtained from a commercial source.
- b. The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2.3.
- c. No construction materials will be used from Federal lands.

7. Methods of Handling Waste Disposal

- a. There will be no reserve pit. A closed loop system will be lined utilized. A small cuttings pit will be located onsite. Unless otherwise specified by BLM .
- b. All trash will be contained in an enclosed trash container through the drilling, completion, and facility construction phases and its contents removed and hauled to an approved disposal sight as needed.
- c. A chemical porta-toilet will be furnished through the drilling, and completion phases.
- d. During the 90 day period, in accordance with Onshore Order No. 7, an application for approval of a permanent disposal method and location along with the required water analysis, will be submitted for the AO's approval. Concurrently a State of Utah UIC application for a Class II injection well is being pursued. The UIC application will be submitted if requested.
- e. Drill cuttings are to be contained and buried in the cuttings pit.
- f. Any salts and/or chemicals which are an integral part of the drilling system will be disposed of in the same manner as the drilling fluid (closed loop).

8. Ancillary Facilities

There are no airstrips, camps or other facilities planned during the drilling of this well except for those facilities needed for drilling rig personal, service providers and company representatives.

9. Well Site Layout

See attached Location Layout Diagram

10. Plans for Restoration of Surface

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

b. The cuttings pit will be backfilled and reclaimed within 120 days from the well completion. The cuttings pit liner (if required) will be perforated and excess liner removed before backfilling. Alternatively, the pit will be pumped dry, the liner folded into the pit and buried to a minimum of 4' deep.

c. That portion of the location not needed for production facilities or operations, or any disturbed areas upon final plug and abandonment, will be re-contoured to approximate natural contours and seeded with a seed mixture and procedure specified by the AO. Additionally, the topsoil pile will be seeded with the same mixture and procedure as specified.

11. Surface Ownership

The proposed access road and well pad is on lands managed by the Bureau of Land Management.

12. Other Information

a. An archeological survey will be conducted by an authorized Archeological Consultant prior to any disturbance based on BLM guidance.

b. If historic or archeological materials are uncovered during construction, the operator will immediately stop work and contact the AO.

c. The operator will control noxious weeds along associated well pad, roads, pipelines, and surface equipment. On BLM administered land it is required that a Pesticide Use Proposal shall be submitted and approved prior to the application of pesticides or herbicides.

d. Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on Federal lands after the conclusion of drilling operations or at any other time without BLM authorization.

e. All lease and 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 approved plan of operations, and any applicable Notices to Lessees. The operator is fully responsible for the actions of his subcontractors.

f. A complete copy of the APD shall be on location during construction and drilling of this site.

Water Disposal

All produced water will be confined to a steel storage tanks. Water will be disposed of via Class II injection well located onsite. Truck transport will be used initially to deliver produced water to the site disposal well. A State of Utah UIC permit will be approved prior to any injection.

Wildlife Timing Stipulations Any required actions or planning based on state or federal agencies will be implemented.

13. Lessee's or Operators Representative

Gasco Production Company

Roger Knight
EHS Supervisor
8 Inverness Drive East, Suite 100
Englewood, CO 80112
(303)996-1803

Jesse Duncan
Production Foreman
PO Box 189
Myton, Utah 84052
(435)823-4800

Certification

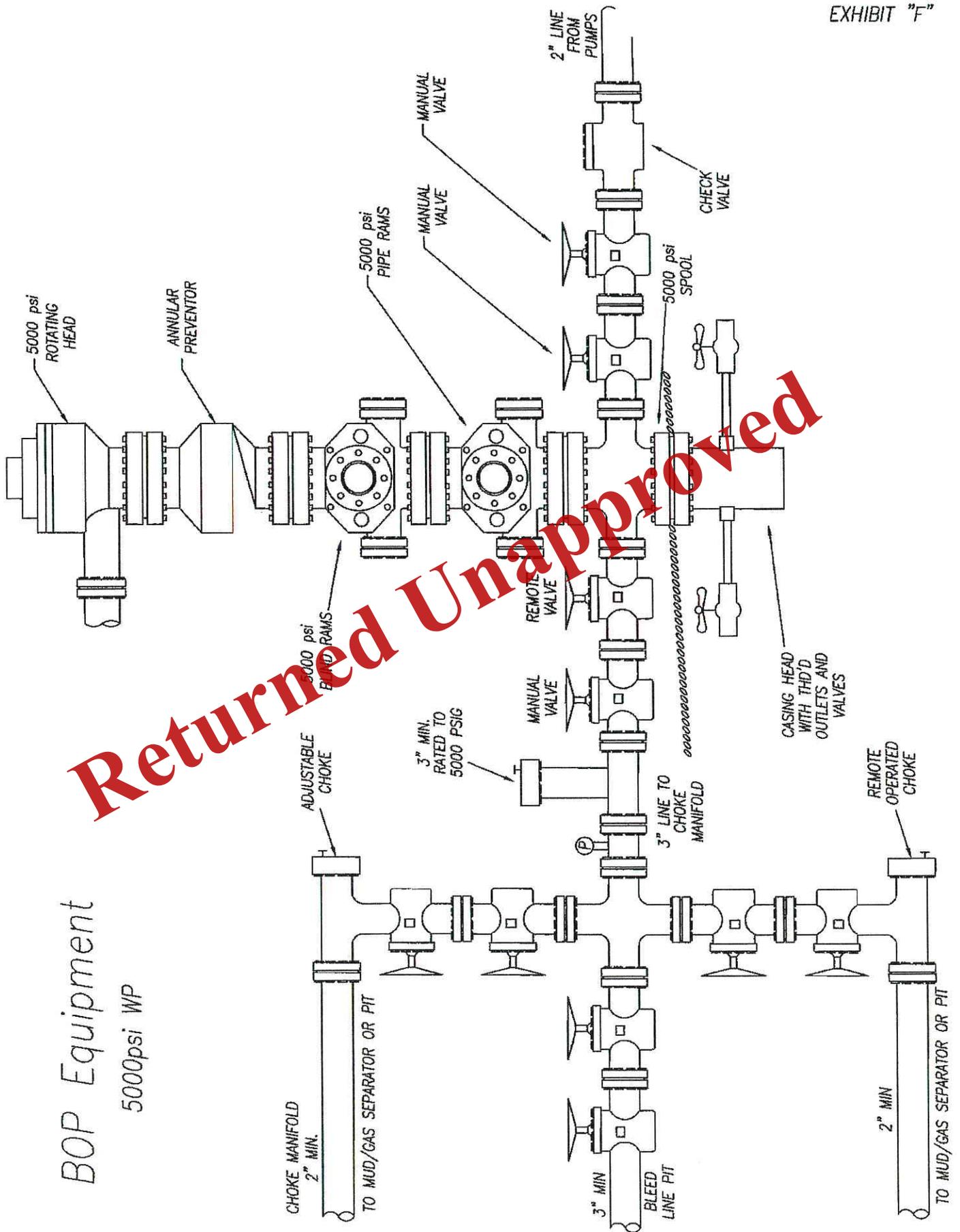
Please be advised that *Gasco Production Company* is considered to be the operator of the Well: *Sego well #4, SW/NE Section 31, T11S, R16E, Lease No. UTU-73425, Duchesne County, Utah*; and is responsible under the term and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Bond #. UT-1233.

I hereby certify that the proposed drill site and access road have been inspected and I am familiar with the conditions that currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Gasco Production Company its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. The statement is subject to the provisions of 18 U.S.C. 1000 for the filing of a false statement.

12-13-11
Date


Roger Knight
Gasco Production Company

Returned Unapproved



Returned Unapproved

BOP Equipment
5000psi WP

Gasco Production Company
Sego Well #4
1813' FNL & 2027' FEL
SW NE of Section 31-T11S-R16E
Duchesne County, UT

CERTIFICATION

I hereby certify that I, or someone under my direct supervision, have inspected the well site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of State and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. The required \$6,500 processing fee is being included with this APD package and can be found attached. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements. Executed this 21th day of November, 2011.

Returned Unapproved



Signature

Executive Vice President and COO
Title

8 Inverness Drive East, Suite 100 Englewood, CO 80112
Address

303-483-0044
Phone

mdecker@gascoenergy.com
E-mail

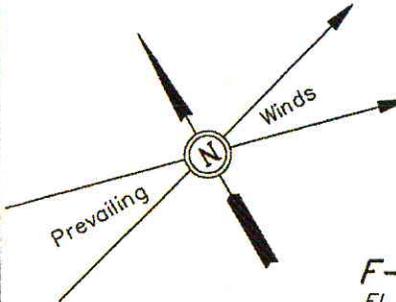
SEGO RESOURCES

LOCATION LAYOUT FOR

WELL #4

SECTION 31, T11S, R16E, S.L.B.&M.

1813' FNL 2027' FEL



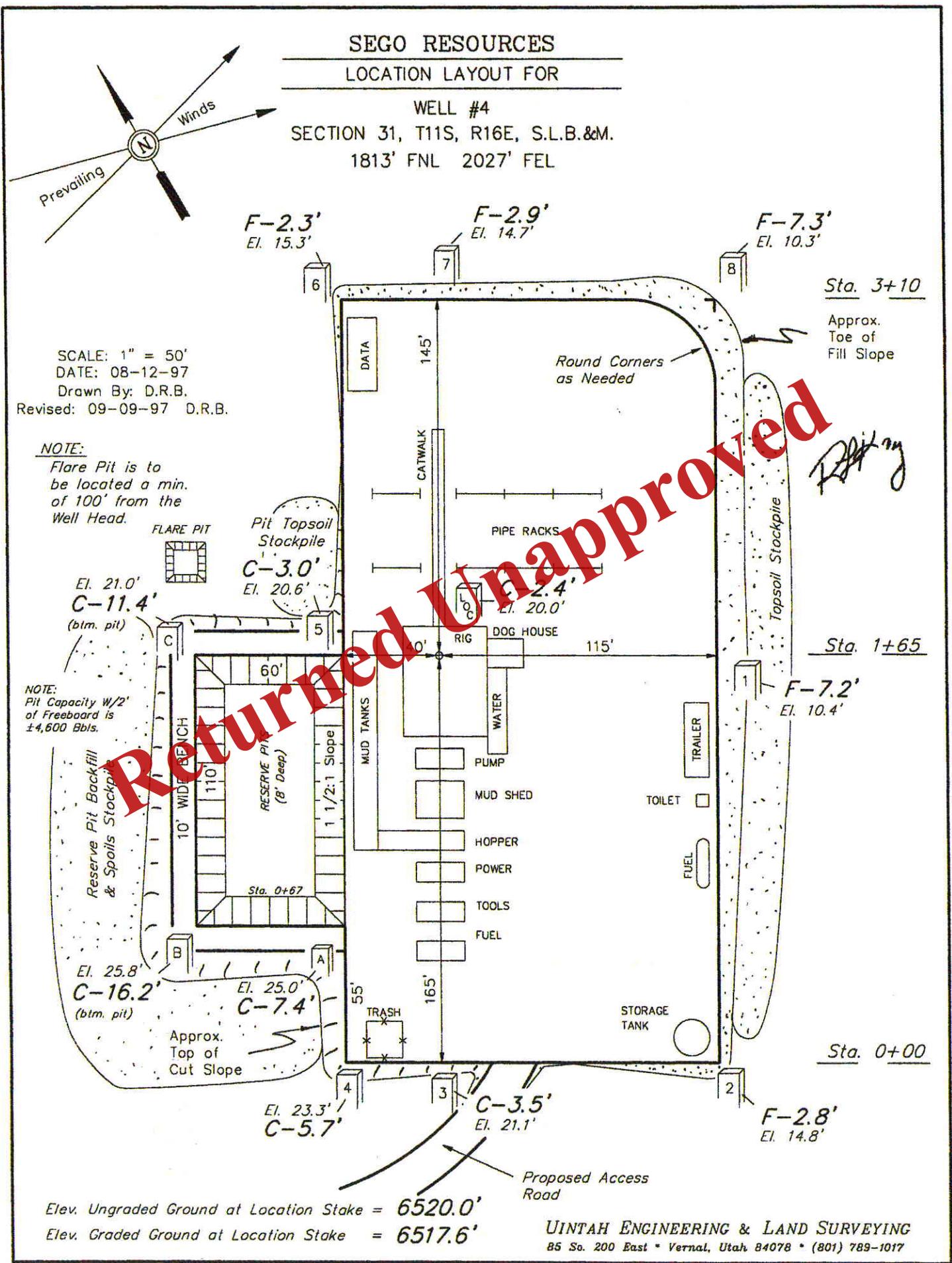
SCALE: 1" = 50'
 DATE: 08-12-97
 Drawn By: D.R.B.
 Revised: 09-09-97 D.R.B.

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

NOTE:
 Pit Capacity W/2' of Freeboard is ±4,600 Bbls.

Returned Unapproved

DRB



Elev. Ungraded Ground at Location Stake = 6520.0'
 Elev. Graded Ground at Location Stake = 6517.6'

UINTAH ENGINEERING & LAND SURVEYING
 85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017

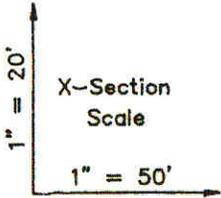
SEGO RESOURCES

TYPICAL CROSS SECTIONS FOR

WELL #4

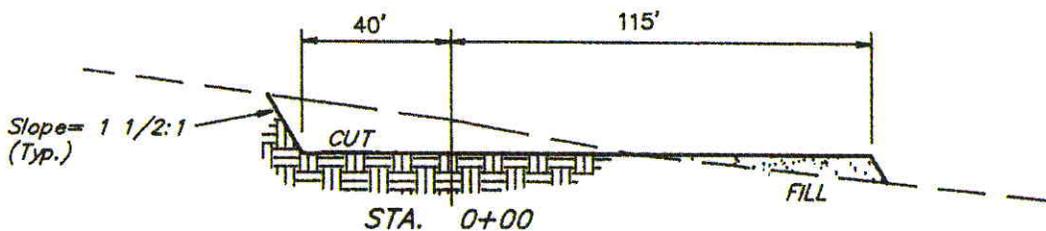
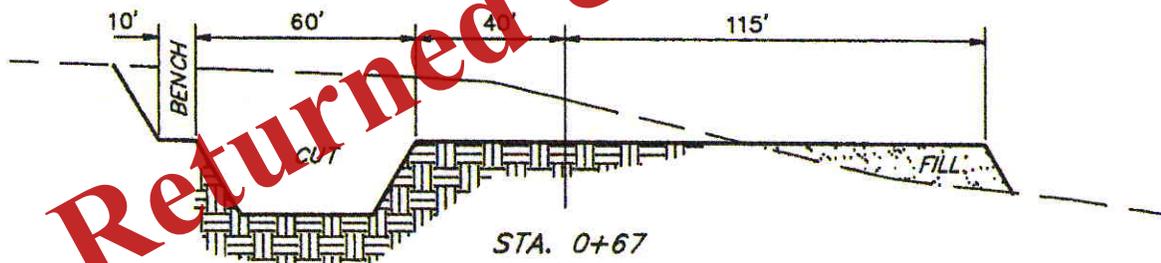
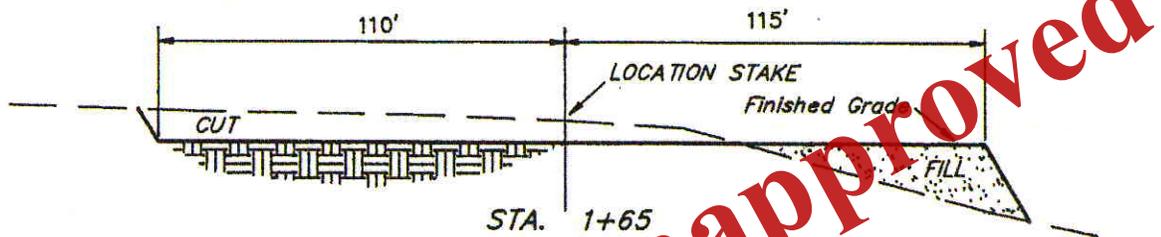
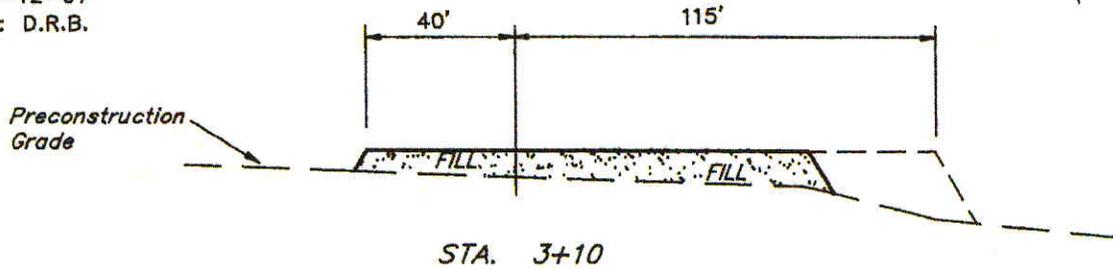
SECTION 31, T11S, R16E, S.L.B.&M.

1813' FNL 2027' FEL



DATE: 08-12-97
Drawn By: D.R.B.

Handwritten initials/signature



APPROXIMATE YARDAGES

(6") Topsoil Stripping	=	1,010	Cu. Yds.
Remaining Location	=	5,070	Cu. Yds.
TOTAL CUT	=	6,080	CU.YDS.
FILL	=	4,150	CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION	=	1,710	Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	1,710	Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	=	0	Cu. Yds.

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85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017

Returned Unapproved



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

January 12, 2012

GASCO PRODUCTION COMPANY
8 Inverness Dr. East, Suite 100
Englewood, CO 80112

Re: Application for Permit to Drill - DUCHESNE County, Utah

Ladies and Gentlemen:

The Application for Permit to Drill (APD) for the Segó well 4 well, API 43013319490000 that was submitted January 11, 2012 is being returned unapproved. If you plan on drilling this well in the future, you must first submit a new application.

Should you have any questions regarding this matter, please call me at (801) 538-5312.

Sincerely,

Diana Mason
Environmental Scientist

Enclosure

cc: Bureau of Land Management, Vernal, Utah

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

FORM 3

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER SEGO4				
2. TYPE OF WORK DRILL NEW WELL <input type="radio"/> REENTER P&A WELL <input checked="" type="radio"/> DEEPEN WELL <input type="radio"/>						3. FIELD OR WILDCAT GATE CANYON				
4. TYPE OF WELL Water Disposal Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME GATE CANYON				
6. NAME OF OPERATOR GASCO PRODUCTION COMPANY						7. OPERATOR PHONE 303 483-0044				
8. ADDRESS OF OPERATOR 8 Inverness Dr. East, Suite 100, Englewood, CO, 80112						9. OPERATOR E-MAIL jlongwell@gascoenergy.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU73425			11. MINERAL OWNERSHIP FEDERAL <input checked="" type="radio"/> INDIAN <input type="radio"/> STATE <input type="radio"/> FEE <input type="radio"/>			12. SURFACE OWNERSHIP FEDERAL <input checked="" type="radio"/> INDIAN <input type="radio"/> STATE <input type="radio"/> FEE <input type="radio"/>				
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')				
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="radio"/> (Submit Commingling Application) NO <input checked="" type="radio"/>			19. SLANT VERTICAL <input checked="" type="radio"/> DIRECTIONAL <input type="radio"/> HORIZONTAL <input type="radio"/>				
20. LOCATION OF WELL		FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN		
LOCATION AT SURFACE		1813 FNL 2027 FEL		SWNE	31	11.0 S	16.0 E	S		
Top of Uppermost Producing Zone		1813 FNL 2027 FEL		SWNE	31	11.0 S	16.0 E	S		
At Total Depth		1813 FNL 2027 FEL		SWNE	31	11.0 S	16.0 E	S		
21. COUNTY DUCHESNE			22. DISTANCE TO NEAREST LEASE LINE (Feet) 1813			23. NUMBER OF ACRES IN DRILLING UNIT 271				
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 13200			26. PROPOSED DEPTH MD: 5152 TVD: 5152				
27. ELEVATION - GROUND LEVEL 5683			28. BOND NUMBER ut-1233			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 41-3530				
Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
SURF	11	8.625	0 - 657	24.0	J-55 LT&C	8.3	Class G	240	1.15	15.8
PROD	7.875	5.5	0 - 5152	17.0	J-55 LT&C	9.2	Light (Hibond)	330	2.46	11.5
							50/50 Poz	410	1.28	14.2
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 type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Roger Knight			TITLE EHS Supervisor			PHONE 303 996-1803				
SIGNATURE			DATE 02/09/2012			EMAIL rknight@gascoenergy.com				
API NUMBER ASSIGNED 43013319490000			APPROVAL			 Permit Manager				

**Gasco Production Company
 Segó Well #4
 SW/NE, Section #31, Township11S, Range16E
 Duchesne, Utah
 Lease No. UTU- #73425**

ONSHORE OIL & GAS ORDER NO. 1

Drilling Program

1. Estimated Tops of Important Geological Markers

Formation	Depth
Green River Formation	Surface
Garden Gulch	806'
Y-Marker	1597'
Douglas Creek Marker	1647'
BiCarbonate Marker	1820'
B Limestone Marker	1900'
Castle Peak Limestone	2442'
Uteland Butte Limestone	2909'
Top of Upper Confining zone	2987'
Wasatch Formation	3108'
Base of Upper Confining zone	3174'
Top of Injection zone	3174'
Base of Injection zone	5,030'
Top of Lower Confining zone	5,065'
Base of Lower Confining zone	5,400'

2. Estimated Depth of Anticipated Water, Oil, Gas or Mineral Formations

Substance	Formation	Depth
Water	Wasatch	3,174'- 5,030'

All fresh water and prospectively valuable minerals encountered during drilling will be recorded by depth and adequately protected.

3. Pressure Control Equipment

All well control equipment will be in accordance to Onshore Order No. 2 for 5M Systems and are as follows:

- 5,000# BOP with 4 ½" Pipe Rams
- 5,000# BOP with Blind Rams
- 5,000# Annular

Ram type preventers and associated equipment shall be tested to the approved stack working pressure if isolated by test plug or to 70 percent of internal yield pressure of casing. Pressure shall be maintained for at least 10 minutes or until requirements of test are met, whichever is longer. If a test plug is utilized, no bleed-off pressure is acceptable. For a test not utilizing a test plug, if a decline on pressure of more than 10 percent in 30 minutes occurs, the test shall be considered to have failed. Valve on casing head below test plug shall be open during test of BOP stack.

Annular type preventers (if used) shall be tested to 50 percent of rated working pressure. Pressure shall be maintained at least 10 minutes or until provisions of test are met, whichever is longer.

As a minimum, the above test shall be performed:

- a. when initially installed;
- b. whenever any seal subject to test pressure is broken
- c. following related repairs; and
- d. at 30 day intervals

Valves shall be tested from working pressure side during BOPE tests with all down stream valves open.

When testing the kill line valve(s) the check valve shall be held open or the ball removed.

Annular preventers shall be functionally operated at least weekly.

Pipe and blind rams shall be activated each trip, however, this function need not be performed more that once a day.

A BOPE pit level drill shall be conducted weekly for each drilling crew.

Pressure tests shall apply to all related well control equipment.

All of the above described tests and/or drills shall be recorded in the drilling log.

BOP systems shall be consistent with API RP 53. Pressure tests will be conducted before drilling out from under casing strings which have been set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection will be recorded on the daily drilling report. Preventers will be pressure tested before drilling cement plugs.

The District Office will be notified, with sufficient lead time, in order to have a BLM representative on location during testing.

- a. The size and rating of the BOP stack is shown on the attached diagram. Although a rig has not yet been chosen to drill this well, most of the equipment for this depth will utilize 5M working BOP.
- b. A choke line and kill line are to be properly installed. The kill line is not to be used as a

fill-up line.

c. The accumulator system shall have a pressure capacity to provide for repeated operation of hydraulic preventers.

d. Drill string safety valve(s), to fit all tools in the drill string, are to be maintained on the rig floor while drilling operations are in progress.

4. Proposed Casing and Cementing Program

a. The proposed casing and cementing program shall be conducted as approved to protect and/or isolate all usable water zones, potentially productive zones, lost circulation zones abnormally pressured zones and any prospectively valuable deposits of minerals. Any isolating medium other than cement shall receive approval prior to use. The casing setting depth shall be calculated to position the casing seat opposite a competent formation which will contain the maximum pressure to which it will be exposed during normal drilling operations.

Determination of casing setting depth shall be based on all relevant factors including: presence/absence of hydrocarbons, fracture gradients, usable water zones, formation pressures, lost circulation zones, other minerals, or other unusual characteristics. All indications of usable water shall be reported.

b. Casing Program

	<u>Depth</u>	<u>Hole Size</u>	<u>O.D.</u>	<u>Grade&Weight</u>	<u>Type</u>
Surface(existing)	657	11.0	8.625	J-55 24#	LT&C
Production	5,152	7.875	5.5	J-55 17#	LT&C

c. Casing design subject to revision based on geologic conditions encountered.

d. Cement Program

	<u>Est. Top of Cement</u>	<u>Cement Type</u>	<u>Quantity</u>	<u>Yield</u>	<u>Supply Wt.</u>
Surface	Surface	Class "G"	240	1.15	15.8
Production	Surface	Lite	330 (+50%)	2.46	11.5
	3120'	50-50 POZ	410 (+50%)	1.28	14.2

e. Anticipated cement tops will be reported as to depth; not the expected number of sacks of cement to be used. The District Office should be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.

f. After cementing but before commencing any test, the casing string shall stand cemented until the cement has reached a compressive strength of at least 500 psi at the shoe. WOC time shall be recorded in the driller's log.

g. The following reports shall be filed with the District Manager within 30 days after the work is completed.

1. Progress reports, form 3160-5 "Sundry Notices and Reports on Wells", must include complete information concerning:

a. Setting of each string of casing, showing the size, grade, weight of casing set, hole size, setting depth, amounts and type of cement used, whether cement circulated or the top of the cement behind the casing, depth of cementing tools used, casing test method and results, and the date work was done. Show the spud date on the first reports submitted.

b. Temperature or bond log must be submitted for each well where the casing cement was not circulated to the surface.

h. Auxiliary equipment to be used is as follows:

1. Kelly cock
2. A bit float
3. A sub with full opening valve.

5. Drilling Fluids Program:

<u>Interval</u>	<u>Type</u>	<u>Wt. (ppg)</u>	<u>Viscosity</u>	<u>pH</u>	<u>Water Loss</u>	<u>Remarks</u>
0-657'	Fresh Water	8.33	1	7	NA	
657' - 5,152'	Fresh Water Gel	8.6 -9.2	30-40	8	8-10	Mud as req.

a. Sufficient quantities of mud material will be maintained on site or be readily available for the purpose of assuring well control. SPR will be recorded on a daily drilling report after mudding up. Visual mud monitoring will be conducted during operations.

b. No chromate additives will be used in the mud system on Federal lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

c. 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.

d. The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

6. Evaluation Program

The anticipated type and amount of testing, logging and coring are as follows:

a. No drill stem tests are anticipated, if DST's are run, the following requirements will be adhered to:

Initial opening of the drill stem test tools shall be restricted to daylight hours unless specific approval to start during other hours is obtained from the authorized officer (AO). However, DST's may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e. lighting which is adequate for visibility and vapor-proof for safe operations). Packers can be released, but tripping shall not begin before daylight, unless prior approval is obtained from the AO. Closed chamber DST's may be accomplished day or night.

A DST that flows to the surface with evidence of hydrocarbons shall be ~~either~~ reversed out of the testing string under controlled surface conditions. This would involve providing means for reverse circulation.

Separation equipment required for the anticipated recovery shall be properly installed before a test starts.

All engines within 100 feet of the wellbore that are required to "run" during the test shall have spark arresters or water cooled exhausts.

b. The logging program will consist of Schlumberger Platform Express (or equivalent) to be run from base of surface casing to TD.

c. No cores are anticipated.

d. "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted no later than 30 days after the completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well tested data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

e. The anticipated completion program is as follows: Perforate injection zones underbalanced by wireline and/or tubing-conveyed guns. Stimulate with gas fracs, fluid fracs, or acid as required. Inject all zones commingled.

f. Daily drilling and completion progress reports shall be submitted to the BLM in Vernal on a weekly basis.

7. Abnormal Temperatures and Pressures

a. The expected bottom hole pressure is 2300 psi. The maximum bottom-hole temperature anticipated is 110 degrees Fahrenheit.

b. No hydrogen sulfide gas is anticipated. Abnormal pressures will be controlled with mud weight and 5,000# BOP and rotating head.

8. Anticipated Starting Dates and Notifications of Operations

- a. Drilling is anticipated to commence immediately upon approval
- b. It is anticipated that the drilling of this well will take approximately 10 days.
- c. The BLM in Vernal, Utah shall be notified of the anticipated date of location construction and anticipated spud date.
- d. No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior to approval from the AO will be obtained and notification given before resuming operations.
- e. The spud date will be reported orally to the AO within 48 hours of spudding. If the spudding occurs on a weekend or holiday, the report will be submitted via voice mail and/or e-mail to the AO.
- f. In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 3160-6 "Monthly Report Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed with Vernal BLM Office, 170 South 500 East, Vernal, Utah, 84078.
- g. Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual or undesirable events shall be reported promptly to the AO in accordance with the requirements of NTL-3A or its revision.
- h. If a replacement rig is contemplated for completion operations, a "Sundry Notice" Form 3160-5 to that effect will be filed, or prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.
- i. Should the well be successfully completed for injection, the AO will be notified when the well is placed on injecting status. Written notification, e-mail or otherwise, will be sent no later than 5 days following the date on which the well is placed on injection.
- j. Pursuant to Onshore Order No. 7, with the approval of the District Engineer, produced water may be temporarily disposed of into unlined pits for a period of 90 days. During the period so authorized, an application for approval of the permanent disposal method, along with the required water analysis and other information, must be submitted to the District Engineer.
- k. Pursuant to NTL-4A lessees or operators are authorized to vent/flare gas during initial well evaluation test, not exceeding a period of 30 days or the production of 50 MMCF of gas, whichever occurs first. An application must be filed with the District Engineer and approval received, for any venting/flaring of gas beyond the initial 30 day authorized test period.
- l. A schematic facilities diagram as required by 43 CFR 3162.7-5 (b.9.d.), shall be submitted to the BLM, Vernal Field Office within 60 days of installation or first injection whichever occurs first. All site security regulations as specified in Onshore Order No.3 shall be adhered to. All

lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-5 (b.4.).

m. No well abandonment operations will commence without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5 will be filed within 30 days following the completion of the well for abandonment. The report will indicate where plugs were placed and the current status of the surface restoration. Final abandonment will not be approved until the surface reclamation work has been completed to the satisfaction of the AO.

n. Pursuant to Onshore Oil and Gas Order No.1, lessees and operators have the responsibility of operating in a manner which conforms with the applicable Federal laws and regulations and with the State and local laws and regulations to the extent that such laws are applicable to operations on Federal lands.

o. State of Utah UIC Rule R649-5. Underground Injection Control of Recovery Operations and Class II Injection Wells will be adhered to at all times.

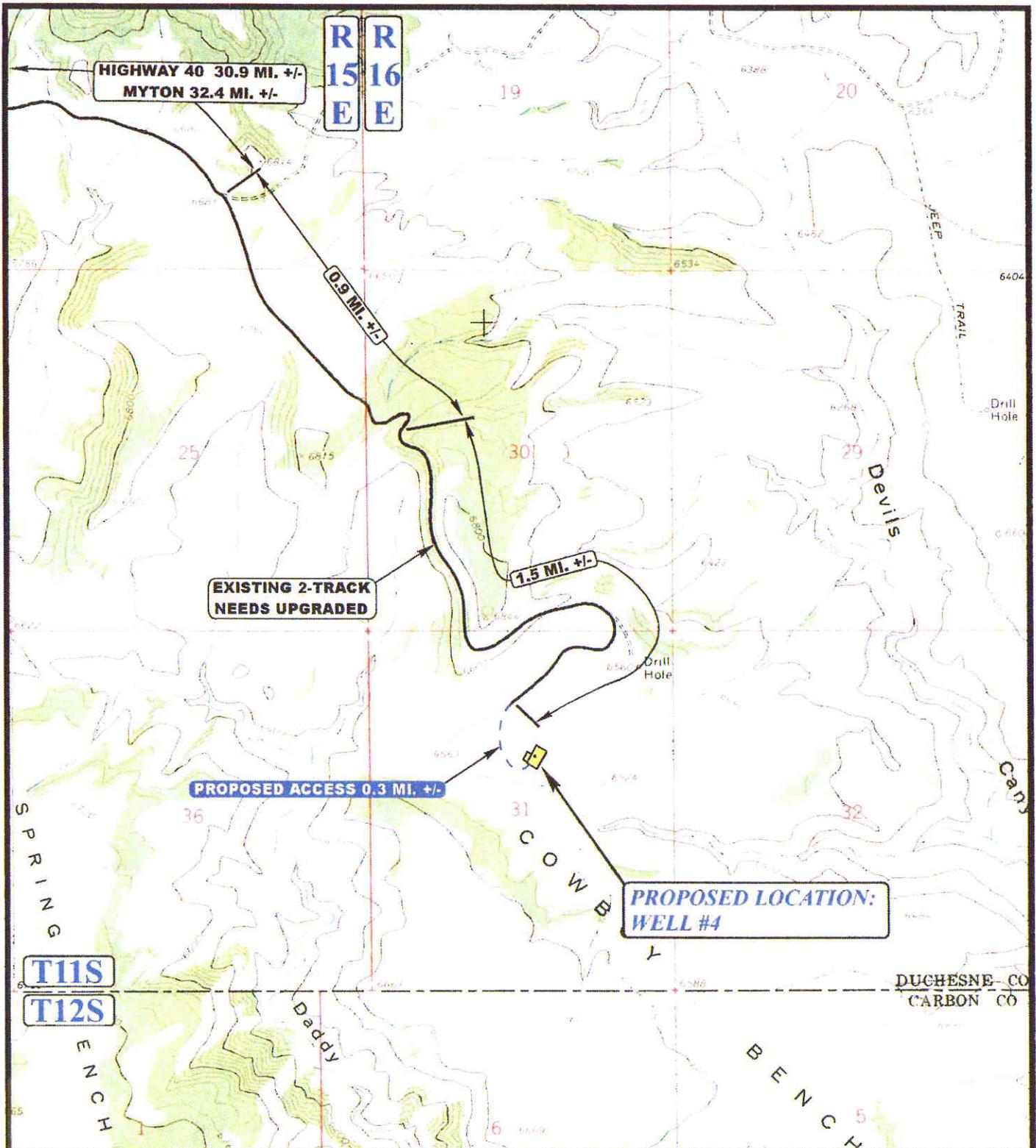
Bureau of Land Management
170 South 500 East
Vernal, Utah 84078

Phone: (435)781-4400

Fax: (435)781-4410

After Hours:

Michael Lee Petroleum Engineer (435)828-4470



LEGEND:

- - - PROPOSED ACCESS ROAD
- EXISTING ROAD



SEGO RESOURCES

WELL #4
SECTION 31, T11S, R16E, S.L.B.&M.
1813' FNL 2027' FEL

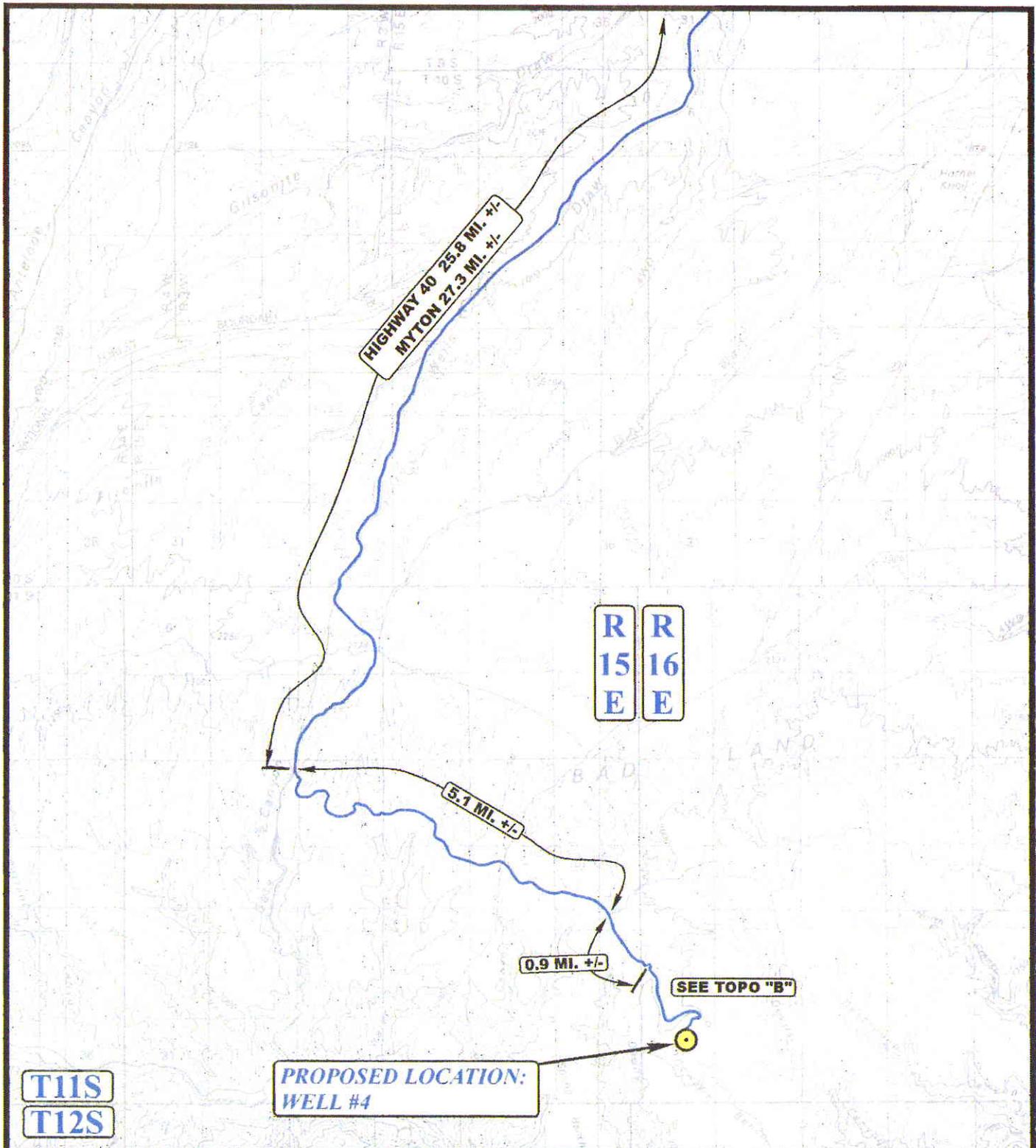


Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (801) 789-1017 * FAX (801) 789-1813
 Email: uels@easilink.com

TOPOGRAPHIC MAP **8 12 97**
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: D.COX REVISED: 00-00-00





T11S
T12S

PROPOSED LOCATION:
WELL #4

LEGEND:

PROPOSED LOCATION



SEGO RESOURCES

WELL #4
SECTION 31, T11S, R16E, S.L.B.&M.
1813' FNL 2027' FEL

UELS **Utah Engineering & Land Surveying**
85 South 200 East Vernal, Utah 84078
(801) 789-1017 * FAX (801) 789-1813
Email: uels@easilink.com

TOPOGRAPHIC **8 12 97**
MAP MONTH DAY YEAR
SCALE: 1:100,000 DRAWN BY: D.COX REVISED: 00-00-00



Gasco Production Company
Sego well #4
SW/NE, Section #31, Township11S, Range16E
Duchesne, Utah
Lease No. UTU- #73425

ONSHORE OIL & GAS ORDER NO. 1

Notification Requirements

Location Construction-	48 hours prior to construction of location and access roads
Location completion-	prior to moving on with drilling rig.
Spud Notice-	at least 24 hours prior to spudding the well.
Casing String and Cementing-	24 hours notice prior to running casing and cementing.
BOP and Related Equipment-	24 hours prior to initiating pressure tests.
First Injection Notice-	Within 5 business days after new well begins or production resumes after well has been off production for more than 90 days.

The onsite inspection for the subject well site will be conducted. Weather conditions, open ground and COA's will be noted and implemented prior to any site disturbance. Attendance at the onsite will consist of BLM and Gasco personnel. Other individuals may include surveyors and other third party consultants used by either BLM or Gasco. The following individuals are most likely to be in attendance:

Bill Civish	Bureau of Land Management
Scott Duncan	Gasco Production Company
Roger Knight	Gasco Production Company
Jesse Duncan	Gasco Production Company

Should personnel changes need to occur phone and or email messages will be sent to notifying BLM and Gasco of changes.

1. Existing Roads

See Attached Topographic Map "A".

Description of travel from Topos.

2. Planned Access Road

See Attached Topographic Map "B" for location of the proposed access road.

3. Location of Existing Wells

See Attached Topographic Map "C"

- a. Producing Wells -
- b. Abandoned Wells -

4. Location of Tank Batteries and Injection Facilities

- a. All permanent surface equipment will be painted to BLM specifications.
- b. Storage tanks batteries will be surrounded by containment dike of sufficient capacity to contain at a minimum, the entire contents of the largest tank within the contained area, unless more stringent requirements are necessary as notified by the AO.
- c. A layout will be submitted via sundry upon proven injection integrity of the well.
- d. All loading lines will be placed inside the berm/dike surrounding the tank battery.
- e. A Gas Meter Run will be placed within 500 ft. of the wellhead. Meter runs will be housed. The oil and gas measurement equipment will be installed on the well location. Measurement equipment will be calibrated in place prior to any deliveries. Tests for accuracy will be conducted monthly for the first three months on new installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the calibration reports will be submitted to the Vernal Field Office.
- f. Any necessary pits will be properly fenced to prevent any wildlife entry.
- g. The access road will be maintained in a safe, usable condition conducive to the climate and seasonal conditions in order to accommodate daily operation of the well and prevent erosion.
- h. Pipelines, up to 6" steel or poly, will follow the proposed access as detailed in attached Topo Map "D". The pipeline will be laid on the surface except road crossings where they will be buried to a depth of 3'-5'. The method of coupling will be welded. Associated pipeline components, such as risers, pig launchers/catchers, meters, valves, etc. will be contained within the 30' needed for construction of the pipeline.

5. Location and Type of Water

- a. Water will come from: Water Right No. 41-3530.
- b. Water will be hauled by commercial transport over the access roads shown on Attached Maps "A" and "B".
- c. No water well will be drilled on this lease.

6. Source of Construction Material

- a. Any gravel used will be obtained from a commercial source.
- b. The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2.3.
- c. No construction materials will be used from Federal lands.

7. Methods of Handling Waste Disposal

- a. There will be no reserve pit. A closed loop system will be lined utilized. A small cuttings pit will be located onsite. Unless otherwise specified by BLM .
- b. All trash will be contained in an enclosed trash container through the drilling, completion, and facility construction phases and its contents removed and hauled to an approved disposal sight as needed.
- c. A chemical porta-toilet will be furnished through the drilling, and completion phases.
- d. During the 90 day period, in accordance with Onshore Order No. 7, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the AO's approval. Concurrently a State of Utah UIC application for a Class II injection well is being pursued. The UIC application will be submitted if requested.
- e. Drill cuttings are to be contained and buried in the cuttings pit.
- f. Any salts and/or chemicals which are an integral part of the drilling system will be disposed of in the same manner as the drilling fluid (closed loop).

8. Ancillary Facilities

There are no airstrips, camps or other facilities planned during the drilling of this well except for those facilities needed for drilling rig personal, service providers and company representatives.

9. Well Site Layout

See attached Location Layout Diagram

10. Plans for Restoration of Surface

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

b. The cuttings pit will be backfilled and reclaimed within 120 days from the well completion. The cuttings pit liner (if required) will be perforated and excess liner removed before backfilling. Alternatively, the pit will be pumped dry, the liner folded into the pit and buried to a minimum of 4' deep.

c. That portion of the location not needed for production facilities or operations, or any disturbed areas upon final plug and abandonment, will be re-contoured to approximate natural contours and seeded with a seed mixture and procedure specified by the AO. Additionally, the topsoil pile will be seeded with the same mixture and procedure as specified.

11. Surface Ownership

The proposed access road and well pad is on lands managed by the Bureau of Land Management.

12. Other Information

a. An archeological survey will be conducted by an authorized Archeological Consultant prior to any disturbance based on BLM guidance.

b. If historic or archeological materials are uncovered during construction, the operator will immediately stop work and contact the AO.

c. The operator will control noxious weeds along associated well pad, roads, pipelines, and surface equipment. On BLM administered land it is required that a Pesticide Use Proposal shall be submitted and approved prior to the application of pesticides or herbicides.

d. Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on Federal lands after the conclusion of drilling operations or at any other time without BLM authorization.

e. All lease and 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 approved plan of operations, and any applicable Notices to Lessees. The operator is fully responsible for the actions of his subcontractors.

f. A complete copy of the APD shall be on location during construction and drilling of this site.

Water Disposal

All produced water will be confined to a steel storage tanks. Water will be disposed of via Class II injection well located onsite. Truck transport will be used initially to deliver produced water to the site disposal well. A State of Utah UIC permit will be approved prior to any injection.

Wildlife Timing Stipulations Any required actions or planning based on state or federal agencies will be implemented.

13. Lessee's or Operators Representative

Gasco Production Company

Roger Knight
EHS Supervisor
8 Inverness Drive East, Suite 100
Englewood, CO 80112
(303)996-1803

Jesse Duncan
Production Foreman
PO Box 189
Myton, Utah 84052
(435)823-4800

Certification

Please be advised that *Gasco Production Company* is considered to be the operator of the Well: *Sego well #4, SW/NE Section 31, T11S, R16E, Lease No. UTU-73425, Duchesne County, Utah*; and is responsible under the term and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Bond #. UT-1233

I hereby certify that the proposed drill site and access road have been inspected and I am familiar with the conditions that currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Gasco Production Company its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. The statement is subject to the provisions of 18 U.S.C. 1000 for the filing of a false statement.

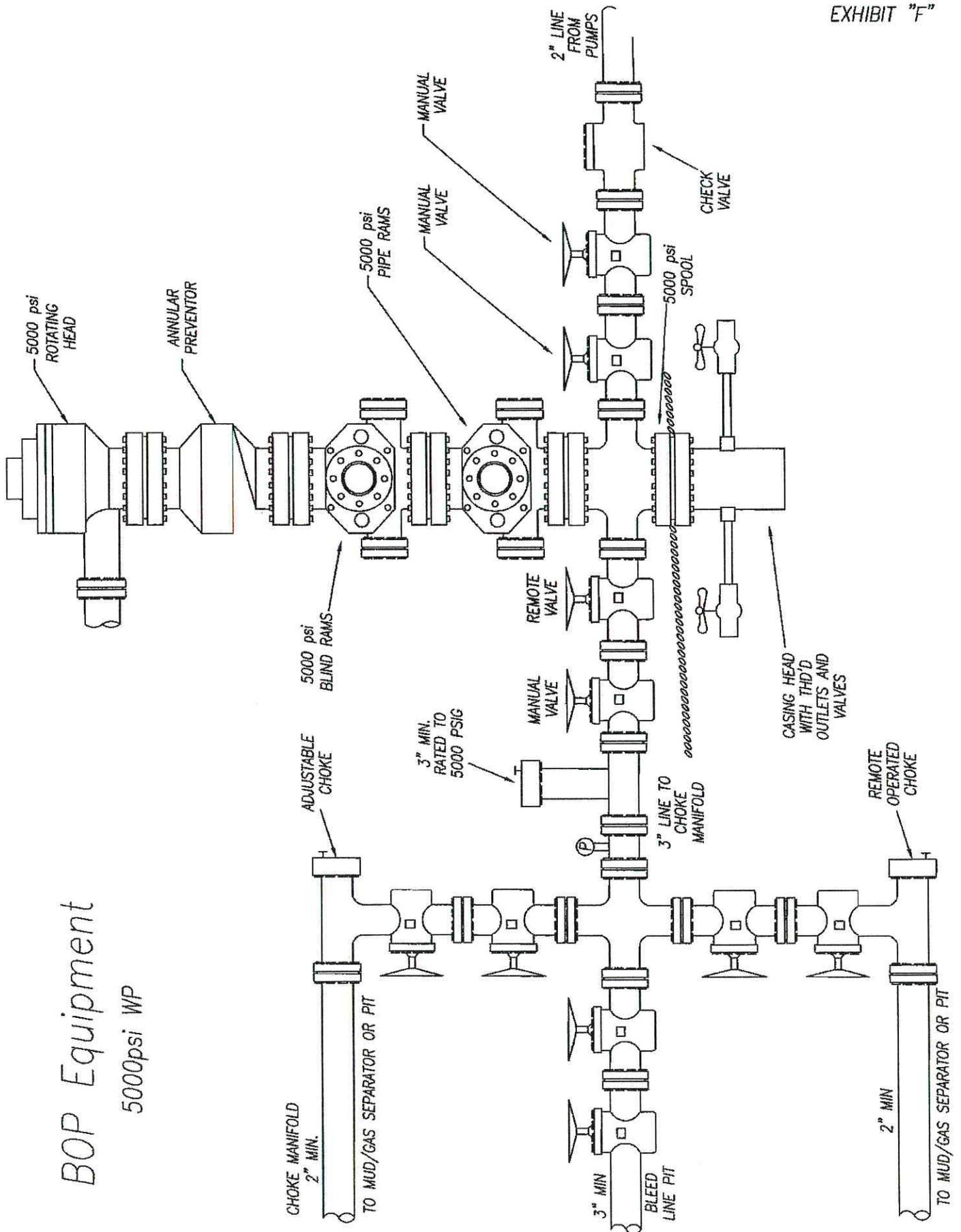
12-13-11

Date



Roger Knight

Gasco Production Company



BOP Equipment
5000psi WP

Gasco Production Company
Sego Well #4
1813' FNL & 2027' FEL
SW NE of Section 31-T11S-R16E
Duchesne County, UT

CERTIFICATION

I hereby certify that I, or someone under my direct supervision, have inspected the well site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of State and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. The required \$6,500 processing fee is being included with this APD package and can be found attached. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements. Executed this 21th day of November, 2011.



Signature

Executive Vice President and COO
Title

8 Inverness Drive East, Suite 100 Englewood, CO 80112
Address

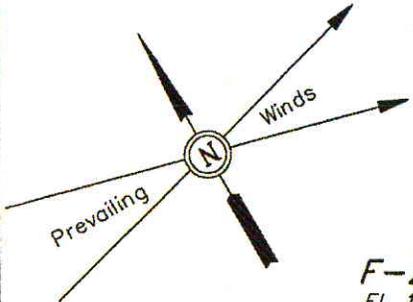
303-483-0044
Phone

mdecker@gascoenergy.com
E-mail

SEGO RESOURCES

LOCATION LAYOUT FOR

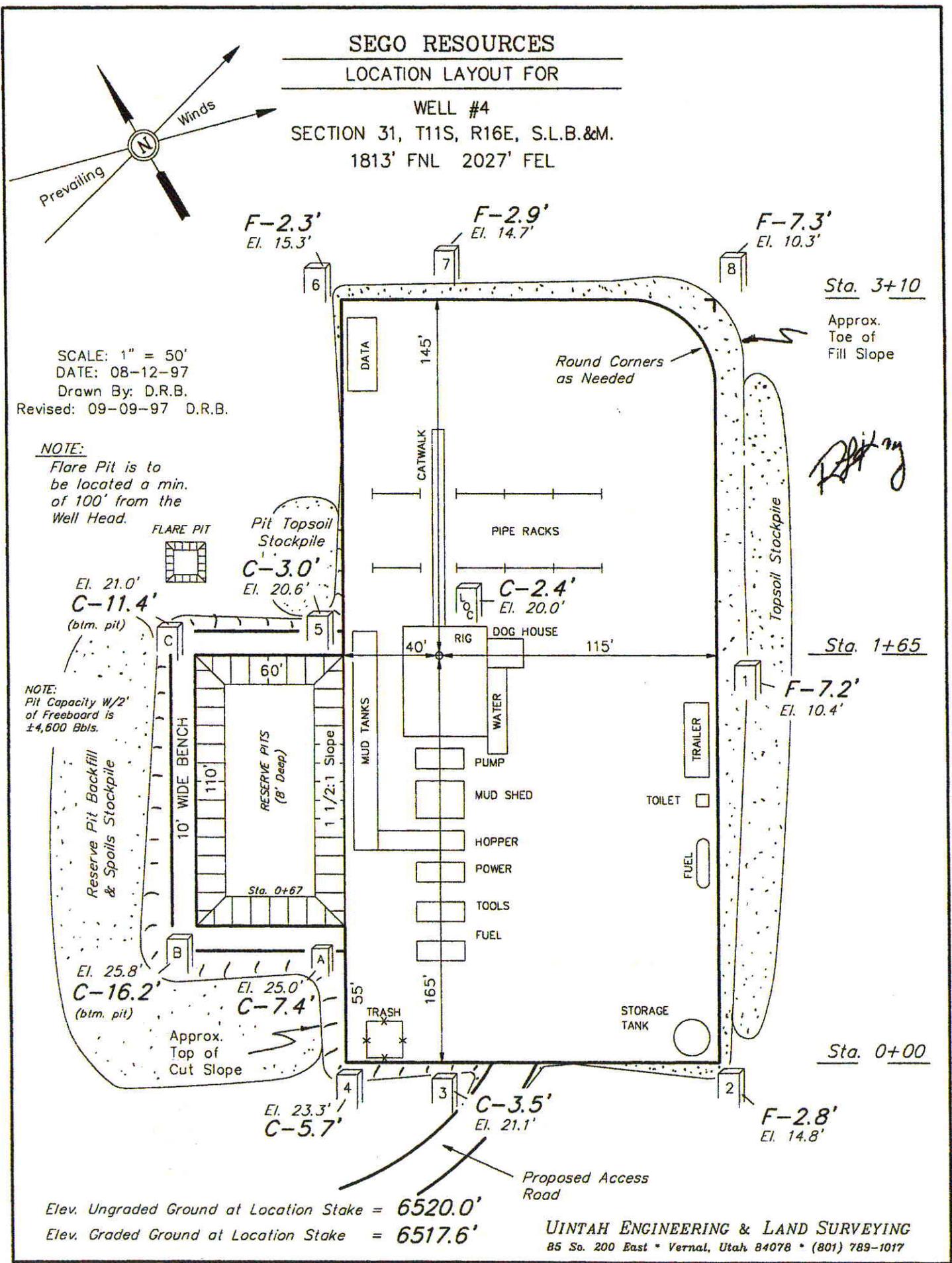
WELL #4
SECTION 31, T11S, R16E, S.L.B.&M.
1813' FNL 2027' FEL



SCALE: 1" = 50'
 DATE: 08-12-97
 Drawn By: D.R.B.
 Revised: 09-09-97 D.R.B.

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

NOTE:
 Pit Capacity W/2' of Freeboard is ±4,600 Bbls.



Elev. Ungraded Ground at Location Stake = 6520.0'
 Elev. Graded Ground at Location Stake = 6517.6'

UINTAH ENGINEERING & LAND SURVEYING
 85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017

SEGO RESOURCES

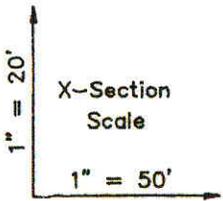
TYPICAL CROSS SECTIONS FOR

WELL #4

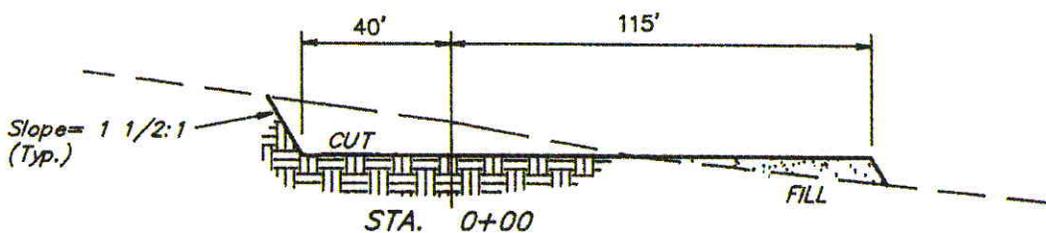
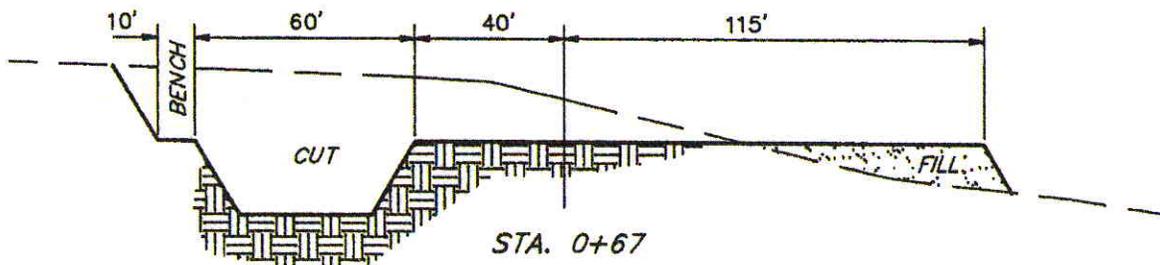
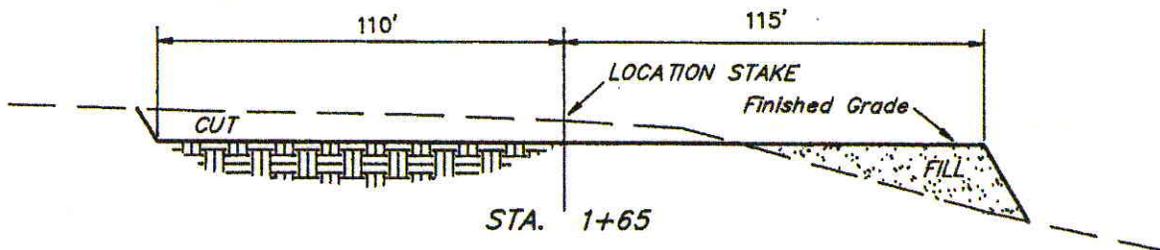
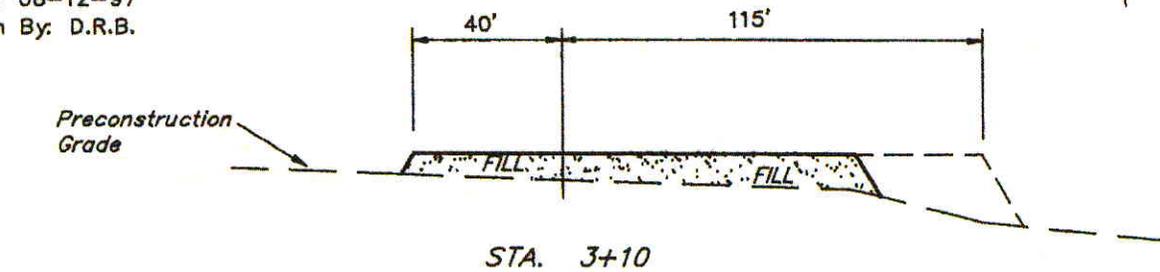
SECTION 31, T11S, R16E, S.L.B.&M.

1813' FNL 2027' FEL

Handwritten initials/signature



DATE: 08-12-97
Drawn By: D.R.B.

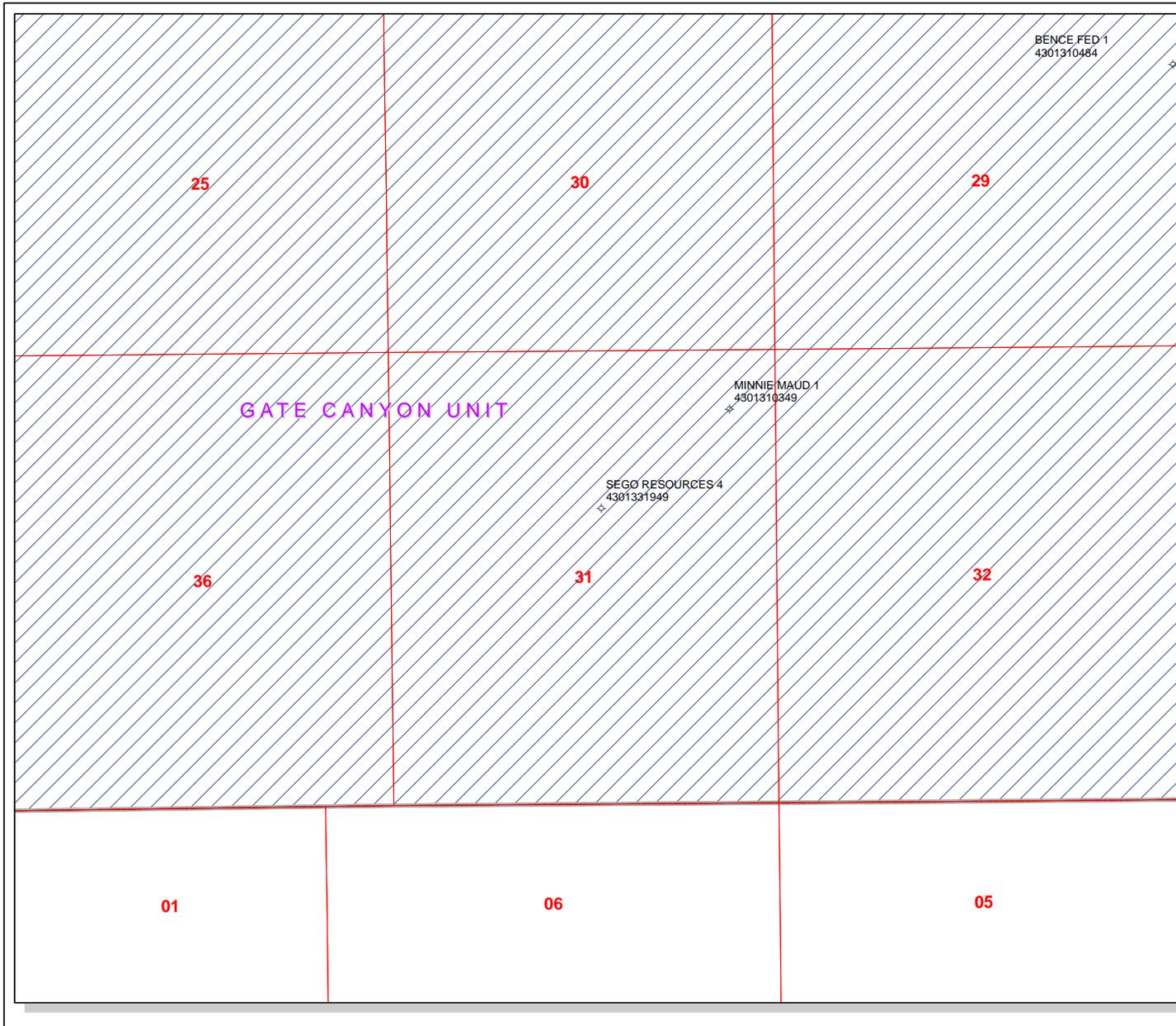


APPROXIMATE YARDAGES

(6") Topsoil Stripping	=	1,010 Cu. Yds.
Remaining Location	=	5,070 Cu. Yds.
TOTAL CUT	=	6,080 CU.YDS.
FILL	=	4,150 CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION	=	1,710 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	1,710 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	=	0 Cu. Yds.

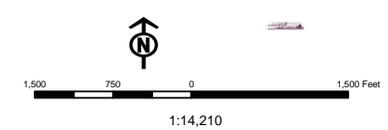
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85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017



API Number: 4301331949
Well Name: SEGO RESOURCES 4
 Township T1.1 . Range R1.6 . Section 31
Meridian: SLBM
 Operator: SAPIENT ENERGY CORP

Map Prepared:
 Map Produced by Diana Mason

- | Units | Wells Query |
|---------------|------------------------------------|
| STATUS | STATUS |
| ACTIVE | APD - Approved Permit |
| EXPLORATORY | DRL - Spudded (Drilling Commenced) |
| GAS STORAGE | GIW - Gas Injection |
| NF PP OIL | GS - Gas Storage |
| NF SECONDARY | LA - Location Abandoned |
| PI OIL | LOC - New Location |
| PP GAS | OPS - Operation Suspended |
| PP GEOTHERM. | PA - Plugged Abandoned |
| PP OIL | PGW - Producing Gas Well |
| SECONDARY | POW - Producing Oil Well |
| TERMINATED | RET - Returned APD |
| Fields | STATUS |
| Unknown | SGW - Shut-in Gas Well |
| ABANDONED | SOW - Shut-in Oil Well |
| ACTIVE | TA - Temp. Abandoned |
| COMBINED | TW - Test Well |
| INACTIVE | WDW - Water Disposal |
| STORAGE | WWI - Water Injection Well |
| TERMINATED | WSW - Water Supply Well |



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

February 14, 2012

Memorandum

To: Assistant District Manager Minerals, Vernal District
From: Michael Coulthard, Petroleum Engineer
Subject: 2012 Plan of Development Gate Canyon Unit,
Duchesne County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following well will be re-entered and completed as a **water disposal** well. The work is planned for calendar year 2012 within the Gate Canyon Unit, Duchesne County, Utah. This operation was previously addressed as a new well; please see our memo dated December 14, 2011.

API#	WELL NAME	LOCATION
Proposed Injection Zone - Wasatch		
43-013-31494	SEGO4	Sec 31 T11S R16E 1813 FNL 2027 FEL

This office has no objection to permitting the well at this time.

Michael L. Coulthard Digitally signed by Michael L. Coulthard
DN: cn=Michael L. Coulthard, o=Bureau of Land Management,
ou=Branch of Minerals, email=Michael_Coulthard@blm.gov, c=US
Date: 2012.02.14 11:01:23 -0700

bcc: File - Gate Canyon Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:2-14-12

RECEIVED: February 14, 2012

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 2/9/2012

API NO. ASSIGNED: 43013319490000

WELL NAME: SEGO4

OPERATOR: GASCO PRODUCTION COMPANY (N2575)

PHONE NUMBER: 303 996-1803

CONTACT: Roger Knight

PROPOSED LOCATION: SWNE 31 110S 160E

Permit Tech Review:

SURFACE: 1813 FNL 2027 FEL

Engineering Review:

BOTTOM: 1813 FNL 2027 FEL

Geology Review:

COUNTY: DUCHESNE

LATITUDE: 39.81589

LONGITUDE: -110.16474

UTM SURF EASTINGS: 571489.00

NORTHINGS: 4407657.00

FIELD NAME: GATE CANYON

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU73425

PROPOSED PRODUCING FORMATION(S): WASATCH

SURFACE OWNER: 1 - Federal

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- PLAT
- Bond: FEDERAL - ut-1233
- Potash
- Oil Shale 190-5
- Oil Shale 190-3
- Oil Shale 190-13
- Water Permit: 41-3530
- RDCC Review:
- Fee Surface Agreement
- Intent to Commingle

Commingling Approved

LOCATION AND SITING:

- R649-2-3.
- Unit: GATE CANYON
- R649-3-2. General
- R649-3-3. Exception
- Drilling Unit
- Board Cause No: R649-3-2
- Effective Date:
- Siting:
- R649-3-11. Directional Drill

Comments: Presite Completed
980108 PROP TD FR 6500:80417 ENTITY ADDED:990406 MIDDLE BENCH U EXP 1/99:000412 FR N6095 9/99:001018 FR N2915 7/00:

Stipulations: 4 - Federal Approval - dmason

RECEIVED: February 14, 2012



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: SEGO4

API Well Number: 43013319490000

Lease Number: UTU73425

Surface Owner: FEDERAL

Approval Date: 2/14/2012

Issued to:

GASCO PRODUCTION COMPANY, 8 Inverness Dr. East, Suite 100, Englewood, CO 80112

Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-2. The expected producing formation or pool is the WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

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

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.

Conditions of Approval:

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

Notification Requirements:

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

- Within 24 hours following the spudding of the well contact Carol Daniels at 801-538-5284

(please leave a voicemail message if not available)

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website

at <http://oilgas.ogm.utah.gov>

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) due within 5 days of spudding the well
- Monthly Status Report (Form 9) due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) due prior to implementation
- Written Notice of Emergency Changes (Form 9) due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) due prior to implementation
- Report of Water Encountered (Form 7) due within 30 days after completion
- Well Completion Report (Form 8) due within 30 days after completion or plugging

Approved By:

A handwritten signature in black ink, appearing to read "John Rogers", written over a faint rectangular stamp area.

For John Rogers
Associate Director, Oil & Gas

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-389

IN THE MATTER OF THE APPLICATION OF GASCO PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF THE SEGO WELL #4 (API #43-013-31949) LOCATED IN SECTION 31, TOWNSHIP 11S, RANGE 16E, DUCHESNE COUNTY, UTAH, AS A CLASS II INJECTION WELL.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Gasco Production Company for administrative approval of the Segoe Well #4 (API #43-013-31949), located in SW/4 NE/4, Section 31, Township 11S, Range 16E, Salt Lake Baseline & Meridian, Duchesne County, Utah, for conversion to a Class II injection well. The proceeding will be conducted in accordance with Utah Admin. Rule R649-10, Administrative Procedures.

Selected zones in the Wasatch Formation (3,174'-5,030' bgs) will be used for water disposal by injection. The maximum injection pressure and rate will be confirmed by fracture gradient information submitted by Gasco Production Company.

Any person desiring to object to the proposed application or otherwise intervene in the proceeding must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Oil & Gas Permitting Manager, at P.O. Box 145801, Salt Lake City, Utah 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedure rule. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 13th day of March, 2012.

Publish Dates:

SL Trib: 3/17/12

UB Standard: 3/20/12

STATE OF UTAH
DIVISION OF OIL, GAS & MINING



Brad Hill
Oil & Gas Permitting Manager

UIC-389.1

**Gasco Production Company
Sego Well #4
Cause No. UIC-389**

Publication Notices were sent to the following:

Marie O'Keefe, Senior Regulatory Analyst
El Paso E & P
1099 18th St., Suite 1900
Denver, CO 80202

Uintah Basin Standard
268 S 200 E
Roosevelt, UT 84066
via e-mail legals@ubstandard.com

Salt Lake Tribune
PO Box 45838
Salt Lake City, UT 84145
via e-mail naclegal@mediaoneutah.com

Duchesne County Planning
P.O. Box 317
Duchesne UT 84021-0317

Bruce Suchomel
US EPA Region VIII
MS 8-P-W-GW
1595 Wynkoop Street
Denver, CO 80202-1129

Robin Dean
Gasco Production Company
8 Inverness Drive East, Suite 100
Englewood, CO 80112

SITLA
675 E 500 S, Ste 500
Salt Lake City, UT 84102-2818

Vernal Field Office
Bureau of Land Management
170 S 500 E
Vernal, UT 84078



Jean Sweet - Re: Notice of Agency Action – Gasco Production Company Cause No. UIC-389

From: Cindy Kleinfelter <classifieds@ubstandard.com>
To: Jean Sweet <jsweet@utah.gov>
Date: 3/14/2012 12:59 PM
Subject: Re: Notice of Agency Action – Gasco Production Company Cause No. UIC-389

On 3/14/2012 10:25 AM, Jean Sweet wrote:

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing to:

Division of Oil, Gas and Mining
Suite 1210
PO Box 145801
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet, Executive Secretary
Utah Div. of Oil, Gas & Mining
1594 West Temple, Suite 1210
Salt Lake City, UT
801-538-5329
jsweet@utah.gov

Received. Thank you. It will publish March 20.
Cindy



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

March 14, 2012

Via e-mail: legals@ubstandard.com

Uintah Basin Standard
268 S 200 E
Roosevelt UT 84066

Subject: Notice of Agency Action – Gasco Production Company Cause No. UIC-389

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing to:

Division of Oil, Gas and Mining
Suite 1210
PO Box 145801
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet
Executive Secretary

Enclosure



From: "Fultz, Mark" <naclegal@mediaoneutah.com>
To: <jsweet@utah.gov>
Date: 3/14/2012 11:04 AM
Subject: Legal Notice - 20120312
Attachments: OrderConf.pdf

AD# 776040
Run Trib/DNews - 3/17
Cost \$159.56
Thank you
Mark

Order Confirmation for Ad #0000776040-01

Client	DIV OF OIL-GAS & MINING	Payor Customer	DIV OF OIL-GAS & MINING
Client Phone	801-538-5340	Payor Phone	801-538-5340
Account#	9001402352	Payor Account	9001402352
Address	1594 W NORTH TEMP #1210,P.O. BOX 145801 SALT LAKE CITY, UT 84114 USA	Payor Address	1594 W NORTH TEMP #1210,P.O. BO: SALT LAKE CITY, UT 84114
Fax	801-359-3940	Ordered By	Acct. Exec
Email	eartenerussell@utah.gov	Jean	mfultz

Total Amount	\$159.56			
Payment Amt	\$0.00			
Amount Due	\$159.56	Tear Sheets	Proofs	Affidavits
		0	0	1
Payment Method		PO Number	20120312	

Confirmation Notes:
Text: Jean

Ad Type	Ad Size	Color
Legal Liner	2.0 X 46 Li	<NONE>

<u>Product</u>	<u>Placement</u>	<u>Position</u>
Salt Lake Tribune::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
Scheduled Date(s):	03/17/2012	
<u>Product</u>	<u>Placement</u>	<u>Position</u>
Deseret News::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
Scheduled Date(s):	03/17/2012	
<u>Product</u>	<u>Placement</u>	<u>Position</u>
sltrib.com::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
Scheduled Date(s):	03/17/2012	
<u>Product</u>	<u>Placement</u>	<u>Position</u>
utahlegals.com::	utahlegals.com	utahlegals.com
Scheduled Date(s):	03/17/2012	

Ad Content Proof Actual Size
BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-389

IN THE MATTER OF THE APPLICATION OF GASCO PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF THE SEGO WELL #4 (API #43-013-31949) LOCATED IN SECTION 31, TOWNSHIP 11S, RANGE 16E, DUCHESNE COUNTY, UTAH, AS A CLASS II INJECTION WELL.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Gasco Production Company for administrative approval of the Sego Well #4 (API #43-013-31949), located in SW/4 NE/4, Section 31, Township 11S, Range 16E, Salt Lake Baseline & Meridian, Duchesne County, Utah, for conversion to a Class II injection well. The proceeding will be conducted in accordance with Utah Admin. Rule R649-10, Administrative Procedures. Selected zones in the Wasatch Formation (3,174'-5,030' bgs) will be used for water disposal by injection. The maximum injection pressure and rate will be confirmed by fracture gradient information submitted by Gasco Production Company.

Any person desiring to object to the proposed application or otherwise intervene in the proceeding must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Oil & Gas Permitting Manager, at P.O. Box 145801, Salt Lake City, Utah 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedure rule. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 13th day of March, 2012.
STATE OF UTAH
DIVISION OF OIL, GAS & MINING
/s/
Brad Hill
Oil & Gas Permitting Manager
776040

LPAXLP



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

March 14, 2012

Via e-mail: naclegal@mediaoneutah.com

The Salt Lake Tribune
PO Box 45838
Salt Lake City, UT 84145

Subject: Notice of Agency Action – Gasco Production Company Cause No. UIC-389

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing for account #9001402352 to:

Division of Oil, Gas and Mining
Suite 1210
PO Box 145801
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet
Executive Secretary

Enclosure



4770 S. 5600 W.
 P.O. BOX 704005
 WEST VALLEY CITY, UTAH 84170
 FED. TAX I.D.# 87-0217663

The Salt Lake Tribune

MEDIA ONE
 A NEWSPAPER AGENCY COMPANY
 WWW.MEDIAONEUTAH.COM

Deseret News
 WWW.DESERTNEWS.COM

PROOF OF PUBLICATION

CUSTOMER'S COPY

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING, 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	9001402352	3/19/2012

RECEIVED
 MAR 27 2012

ACCOUNT NAME			
DIV OF OIL-GAS & MINING,			
TELEPHONE		ADORDER# / INVOICE NUMBER	
8015385340		0000776040 /	
SCHEDULE			
Start 03/17/2012		End 03/17/2012	
CUST. REF. NO.			
20120312			
CAPTION			
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL			
SIZE			
46	Lines	2.00	COLUMN
TIMES		RATE	
4			
MISC. CHARGES		AD CHARGES	
TOTAL COST			
159.56			

BEFORE THE DIVISION OF OIL, GAS AND MINING
 DEPARTMENT OF NATURAL RESOURCES
 STATE OF UTAH
 NOTICE OF AGENCY ACTION
 CAUSE NO. UIC-389

IN THE MATTER OF THE APPLICATION OF GASCO PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF THE SEGO WELL #4 (API #43-013-31949) LOCATED IN SECTION 31, TOWNSHIP 11S, RANGE 16E, DUCHESE COUNTY, UTAH, AS A CLASS II INJECTION WELL.

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Dated this 13th day of March, 2012.
 STATE OF UTAH
 DIVISION OF OIL, GAS & MINING
 /s/
 Brad Hill
 Oil & Gas Permitting Manager
 776040

UPAXLP

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH LEGAL BOOKER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-389 IN THE MATTER OF THE APPLICA FOR DIV OF OIL-GAS & MINING, WAS PUBLISHED BY THE NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH. NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON UTAHLEGALS.COM INDEFINITELY.

PUBLISHED ON Start 03/17/2012 End 03/17/2012

SIGNATURE *Booker*

VIRGINIA CRAFT
 Notary Public, State of Utah
 Commission # 581469
 My Commission Expires
 January 12, 2014

Virginia Craft

3/19/2012

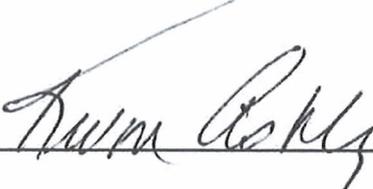
THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"
 PLEASE PAY FROM BILLING STATEMENT

2250/REP/GG-VICADMIN/GF12/6131

AFFIDAVIT OF PUBLICATION

County of Duchesne,
STATE OF UTAH

I, Kevin Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 20 day of March, 2012, and that the last publication of such notice was in the issue of such newspaper dated the 20 day of March, 2012, and that said notice was published on Utahlegals.com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.



Publisher

Subscribed and sworn to before me on this

26 day of March, 2012

by Kevin Ashby.



Notary Public



NOTICE OF AGENCY ACTION CAUSE NO. UIC-389

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

IN THE MATTER OF THE APPLICATION OF **GASCO** PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF THE **SEGO WELL #4** (API #43-013-31949) LOCATED IN SECTION 31, TOWNSHIP 11S, RANGE 16E, DUCHESNE COUNTY, UTAH, AS A CLASS II INJECTION WELL.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

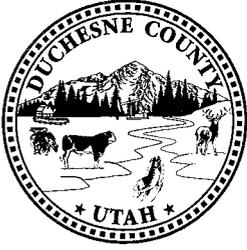
Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Gasco. Notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedure rule. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 13th day of March, 2012.

STATE OF UTAH
DIVISION OF OIL,
GAS & MINING

/s/

Brad Hill
Oil & Gas Permitting Manager
Published in the
Uintah Basin Standard
March 20, 2012.



*Duchesne County Planning, Zoning
& Community Development
734 North Center Street
P.O. Box 317
Duchesne, Utah 84021
(435) 738-1152
Fax (435) 738-5522*

March 16, 2012

Mr. Brad Hill, Permitting Manager
Division of Oil, Gas and Mining
PO Box 145801
Salt Lake City, UT 84114-5801

RECEIVED
MAR 19 2012
DIV. OF OIL, GAS & MINING

RE: Gasco Production Company Injection Wells (Cause No UIC-389)

Dear Mr. Hill:

We are in receipt of your notice regarding Gasco Production Company's request to convert the Sego Well #4, located in Section 31, Township 11 South, Range 16 East, Duchesne County, to a Class II injection well.

Duchesne County is supportive of this request and recommends approval under conditions that your agency deems appropriate.

Thank you for the opportunity to comment.

Sincerely,

Mike Hyde, AICP
Community Development Administrator

pc: Robin Dean, Gasco, 8 Inverness Dr. East, Suite 100, Englewood, CO 80112



southern
utah
wilderness
alliance

RECEIVED

MAR 29 2012

BY ELECTRONIC MAIL (bradhill@utah.gov) AND FIRST CLASS U.S. MAIL

DIV. OF OIL, GAS & MINING

March 28, 2012

Brad Hill
Utah Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, Utah 84114-5801

Re: Objection to Agency Action Cause No. UIC-389, In the matter of the application of Gasco Production Company for Administrative Approval of the Segó Well #4 (API # 43-013-31949) as a Class II Injection Well

Dear Mr. Hill,

Pursuant to Utah Administrative Code R649-5-3.3, the Southern Utah Wilderness Alliance (SUWA) submits this timely objection to Gasco Production Company's proposed application for administrative approval of the Segó Well #4 as a Class II Injection Well, UIC-389. A partial list of the reasons for this objection is provided herein.

As explained below, Gasco has not provided the Division of Oil, Gas and Mining (Division) with a "complete and technically adequate application," the Division's decision to treat the application as a request for agency action is premature. Thus, it is not possible for SUWA to offer the Division all of its potential objections until such time that Gasco provides all of the information required under UAC R649-5. SUWA reserves its right to supplement this objection at a later date and prior to the Division's approval of Gasco's application. If SUWA is not provided this opportunity, it reserves the right to raise these issues directly with the Board of Oil, Gas and Mining pursuant to UAC R649-10-6.

- 1) UAC R649-5-2.2.6 requires a statement of the type of fluid to be used for injection, its source and the estimated amounts to be injected daily. Gasco's application only provides an injection rate. This is a serious omission because, as discussed below, in addition to salt water, Gasco proposes to inject "other flowback fluids" such as spent acid and frac fluids. There is no statement of these fluids or their sources.
- 2) UAC R649-5-2.2.7.1 requires standard laboratory analyses of the fluid to be injected. The Application states that the fluid to be injected will be salt water (pg. 6) and "other flowback fluids such as spent acid and frac fluids." (pg. 9) The application contains the results of laboratory analyses of the salt water (Appendix G) but there are no data on the "other flowback fluids." This is a concern because there is no description or data on the spent acid and frac fluids.
- 3) UAC R649-5-2.2.7.2 requires standard laboratory analyses of the fluid in the formation into which the fluid is being injected. Gasco admits that it does not have laboratory analysis of water from

Segó #4. Gasco provides some regional data for NaCl in the Wasatch Formation, but this does not satisfy the rule.

- 4) UAC R649-5-2.2.7.3 requires standard laboratory analyses of the compatibility of the fluids. The application does not contain these analyses. Rather, Gasco refers to an injection well operated by Bill Barrett Corporation that is "not experiencing any problems." There is no data or analyses from the Bill Barrett injection well, so any comparison to it and that proposed Segó #4 well are unsupported. In addition, there is no data to support the assumption that there are no problems with Bill Barrett's well.
- 5) UAC R649-5-2.2.9 requires evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that would enable the injected fluid or formation fluid to enter any fresh water strata. The application only states that the injection pressures will be maintained at less than the fracture gradient of the formations to avoid initiating fractures in the confining zones. Gasco has provided no evidence and no data to support this statement.
- 6) UAC R649-5-2.2.10.2 requires lithologic descriptions and information on the thickness, depths, water quality, and lateral extent of the injection interval. The application only provides information on the lithologic descriptions, thickness, and depth. As discussed above, there are no data on the water quality of the injection interval. Furthermore, the Application contains no information on the lateral extent of the injection interval (again only providing a reference to the Bill Barrett disposal well.) This is a serious omission because without this information, it is not possible to know where the injected fluids may migrate laterally in the injection interval. Specifically, there are no means to assess any areas of potential down gradient discharge and potential impacts to seeps, springs, and/or surface water.
- 7) The Application provides a discussion related to underground sources of drinking water (USDW). There are several applicable rules regarding USDW (UAC R649-5-1.5, UAC R649-5-2.1, UAC R649-5-2.2.10.1, UAC R649-5-2-4, and UAC R649-5-4). In short, the rules require that injection wells shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved. *See, e.g.* UAC R649-5-2.1. Approval of an injection well is subject to the requirements of UAC R649-5-4, if the proposed injection interval can be classified as an USDW. USDW is defined in UAC R649-1-1 as: "Underground Source of Drinking Water" (USDW) means a fresh water aquifer or a portion thereof that supplies drinking water for human consumption or that contains less than 10,000 mg/1 total dissolved solids and that is not an exempted aquifer under UAC R649-5-4. UAC R649-5-4 provides the criteria for the board to authorize the exemption of certain aquifers from classification as USDW. Note that this can only be done after notice and hearing and subject to the EPA approval. *See* UAC R649-5-4.1.

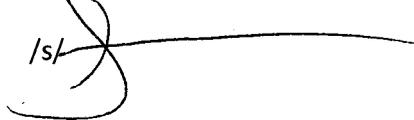
The rules provide that any aquifer with TDS less than 10,000 mg/l is an USDW unless it is exempted under UAC R649-5-4. The Application acknowledges this by providing an extensive discussion of the base of the moderately saline aquifer (BMSA) with a TDS between 3,000 and 10,000 mg/l. At the present time, and based on published literature, the BMSA is at a depth of 3,879 feet in the Wasatch

SUWA Objections
Gasco Segó #4 UIC Application; Agency Cause of Action UIC-389
March 28, 2012

Formation at the Segó #4 well. The Application states that the injection interval will be between a depth of 3,174 and 5,030 feet. Thus, the BMSA is within the injection interval and this would mean that the injection interval is in a USDW and R649-5-4 applies. In sum, as the application stands, the injection interval is within a USDW. This is contrary to what the Gasco states on pages 7 and 15.

Feel free to contact me with any questions regarding this objection: 801.428.3981. Also, please include SUWA as a "party" for all future notifications regarding this request for agency action.

Sincerely,

/s/ 

Stephen Bloch
Attorney, Southern Utah Wilderness Alliance

Ammon McDonald - Sego 4 Conversion

From: Diane Westerberg <dwestenberg@gascoenergy.com>
To: "ammonmcdonald@utah.gov" <ammonmcdonald@utah.gov>
Date: 7/26/2012 1:39 PM
Subject: Sego 4 Conversion
CC: Robin Dean <rdean@gascoenergy.com>, "hbairrington@wapitienergy.com" <hba...

Good After Ammon:

Gasco has made the decision at this time not to pursue the Sego #4 conversion. We appreciate your assistance with this matter but have decided to look at some alternatives.

If you require any additional information from us, please let me know.

Thank you.

Diane K. Westerberg |Land Manager |Gasco Energy, Inc. | 7979 East Tufts Avenue | Suite 1150 | Denver, Colorado 80237 | 303.996.1812 direct line | 303.483.0011 facsimile |gascoenergy.com | dwesterberg@gascoenergy.com |

43-013-31949

31 115 16E
Duchesne County

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5.LEASE DESIGNATION AND SERIAL NUMBER: UTU73425
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7.UNIT or CA AGREEMENT NAME: GATE CANYON
1. TYPE OF WELL	8. WELL NAME and NUMBER: SEGO RESOURCES 4
2. NAME OF OPERATOR:	9. API NUMBER: 43013319490000
3. ADDRESS OF OPERATOR: _____ PHONE NUMBER: _____ , , , Ext	9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1813 FNL 2027 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 31 Township: 11.0S Range: 16.0E Meridian: S	COUNTY: DUCHESNE STATE: UTAH

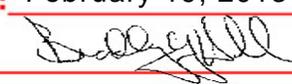
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 2/14/2014 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

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

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

Date: February 19, 2013

By: 

NAME (PLEASE PRINT) Roger Knight	PHONE NUMBER 303 996-1803	TITLE EHS Supervisor
SIGNATURE N/A	DATE 2/14/2013	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43013319490000

API: 43013319490000

Well Name: SEGO RESOURCES 4

Location: 1813 FNL 2027 FEL QTR SWNE SEC 31 TWNP 110S RNG 160E MER S

Company Permit Issued to: GASCO PRODUCTION COMPANY

Date Original Permit Issued: 2/14/2012

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? Yes No
- Has the approved source of water for drilling changed? Yes No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No
- Is bonding still in place, which covers this proposed well? Yes No

Signature: Roger Knight

Date: 2/14/2013

Title: EHS Supervisor Representing: GASCO PRODUCTION COMPANY

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: UTU73425
1. TYPE OF WELL	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: GASCO PRODUCTION COMPANY	7. UNIT or CA AGREEMENT NAME: GATE CANYON
3. ADDRESS OF OPERATOR: 8 Inverness Dr. East, Suite 100 , Englewood, CO, 80112	8. WELL NAME and NUMBER: SEGO RESOURCES 4
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1813 FNL 2027 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 31 Township: 11.0S Range: 16.0E Meridian: S	9. API NUMBER: 43013319490000
PHONE NUMBER: 303 996-1805 Ext	9. FIELD and POOL or WILDCAT: WILDCAT
COUNTY: DUCHESNE	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 1/25/2014	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

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

Date: January 28, 2014

By: 

NAME (PLEASE PRINT) Jessica Berg	PHONE NUMBER 303 996-1805	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 1/25/2014	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43013319490000

API: 43013319490000

Well Name: SEGO RESOURCES 4

Location: 1813 FNL 2027 FEL QTR SWNE SEC 31 TWNP 110S RNG 160E MER S

Company Permit Issued to: GASCO PRODUCTION COMPANY

Date Original Permit Issued: 2/14/2012

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

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- Has the approved source of water for drilling changed? Yes No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No
- Is bonding still in place, which covers this proposed well? Yes No

Signature: Jessica Berg

Date: 1/25/2014

Title: Regulatory Analyst Representing: GASCO PRODUCTION COMPANY



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

April 16, 2015

Gasco Production Company
7979 Tufts Ave., Suite 1150
Denver, CO 80237

Re: APD Rescinded – SEGO Resources 4 (DEEPENING),
Sec. 31, T.11S, R.16E, Duchesne County, Utah API No. 43-013-31949

Ladies and Gentlemen:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on February 14, 2012. On February 19, 2013 and January 28, 2014 the Division granted a one-year APD extension. No drilling activity at this location has been reported to the division. Therefore, approval to drill the well is hereby rescinded, effective April 16, 2015.

A new APD must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,


Diana Mason
Environmental Scientist

cc: Well File
Bureau of Land Management, Vernal

