

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

SUBMIT IN TRIPLICATE*

FORM APPROVED
OMB NO. 1040-0136
Expires: February 28, 1995

5. LEASE DESIGNATION AND SERIAL NO.
UTU-16551

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

7. UNIT AGREEMENT NAME
STIRRUP UNIT UTU-80250X

8. FARM OR LEASE NAME, WELL NO.
SU PURDY 4G-27-7-21

9. API NUMBER: 43-047-39180

10. FIELD AND POOL, OR WILDCAT
Undersignee ~~STIRRUP~~

11. SEC., T, R, M, OR BLK & SURVEY OR AREA
SEC. 27, T7S, R21E Mer SLB&M

12. COUNTY OR PARISH | 13. STATE
Uintah | UT

17. NO. OF ACRES ASSIGNED TO THIS WELL
40

20. BLM/BIA Bond No. on file
ESB000024

23. Estimated duration
14 Days

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

TYPE OF WORK
DRILL DEEPEN
TYPE OF WELL
OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
QUESTAR EXPLORATION & PRODUCTION, CO.
Contact: Jan Nelson
E-Mail: jan.nelson@questar.com

3. ADDRESS
1571 E. 1700 S. Vernal, Ut 84078
Telephone number
Phone 435-781-4032 Fax 435-781-4045

4. LOCATION OF WELL (Report location clearly and in accordance with and State requirements*)
At Surface 623612X 770' FNL 699' FWL, NWNW, SECTION 27, T7S, R21E
At proposed production zone 4449316Y 40.187027 -109.547969

14. DISTANCE IN MILES FROM NEAREST TOWN OR POSTOFFICE*
36 +/- WEST OF VERNAL, UTAH

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(also to nearest drig, unit line if any)
699 +/-

18. DISTANCE FROM PROPOSED location to nearest well, drilling, completed, applied for, on this lease, ft

21. ELEVATIONS (Show whether DF, RT, GR, ect.)
4940.2' GR
22. DATE WORK WILL START
ASAP

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan
- A surface Use Plan (if location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification.
- Such other site specific information and/or plans as may be required by the authorized officer.

SIGNED Jan Nelson Name (printed/typed) Jan Nelson DATE 3-27-07

TITLE Regulatory Affairs

(This space for Federal or State office use)

PERMIT NO. 43-047-39180 APPROVAL DATE _____

Application approval does not warrant or certify the applicant holds any 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 Bradley G. Hill TITLE BRADLEY G. HILL ENVIRONMENTAL MANAGER

DATE 04-05-07

*See Instructions 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

Federal Approval of this Action is Necessary

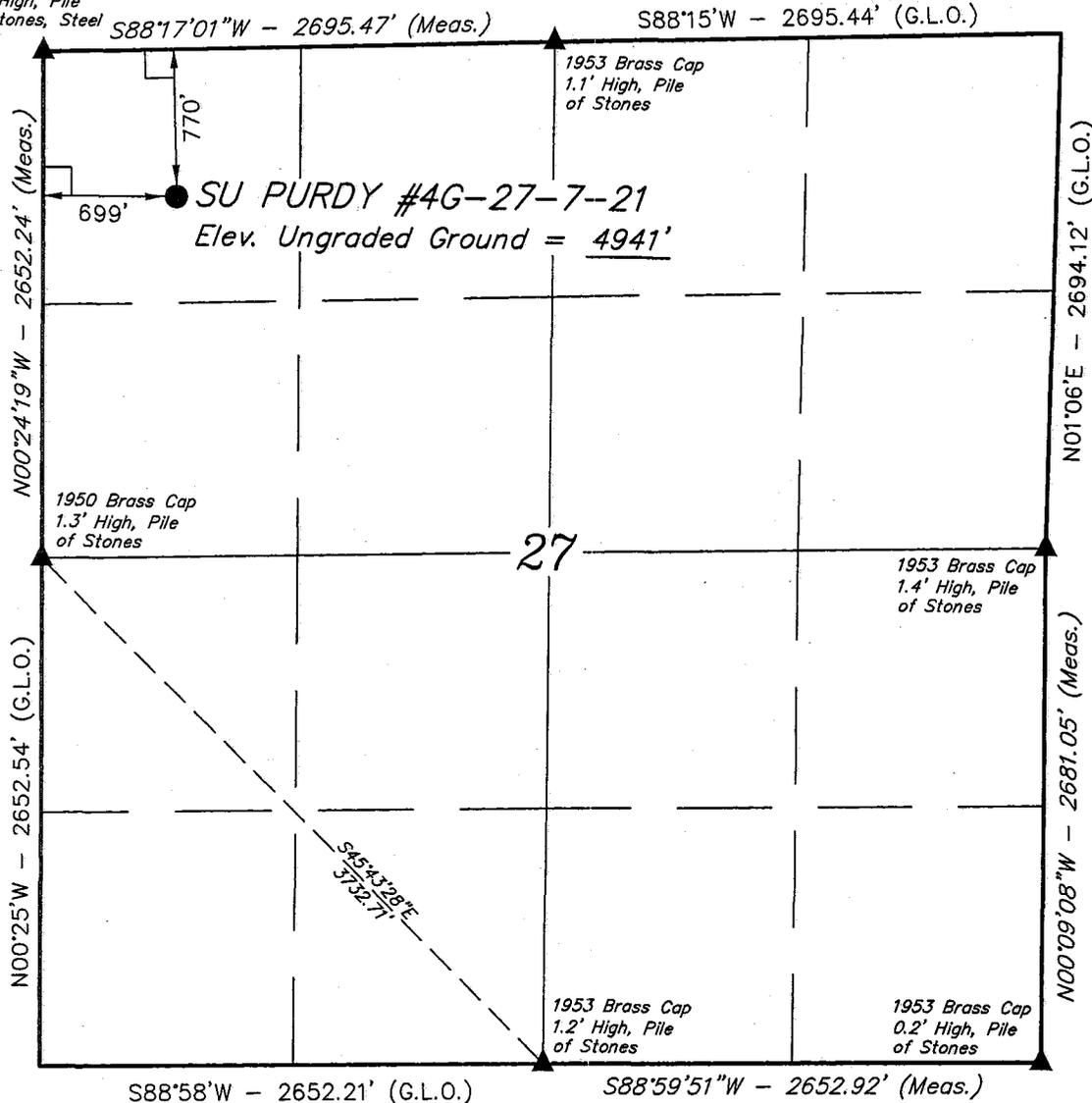
RECEIVED
APR 03 2007

CONFIDENTIAL

DIV. OF OIL, GAS & MINING

T7S, R21E, S.L.B.&M.

1950 Brass Cap
1.2' High, Pile
of Stones, Steel
Post



QUESTAR EXPLR. & PROD.

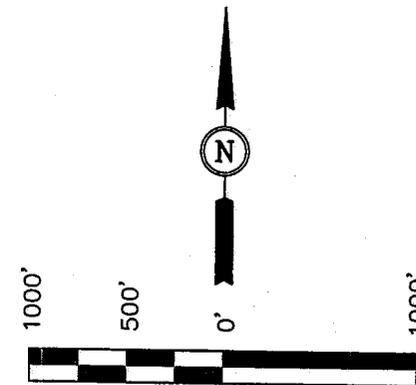
Well location, SU PURDY #4G-27-7-21, located as shown in the NW 1/4 NW 1/4 of Section 27, T7S, R21E, S.L.B.&M., Uintah County, Utah

BASIS OF ELEVATION

BENCH MARK (20 EAM) LOCATED IN THE SE 1/4 OF SECTION 35, T8S, R21E, S.L.B.&M., TAKEN FROM THE OURAY SE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4697 FEET.

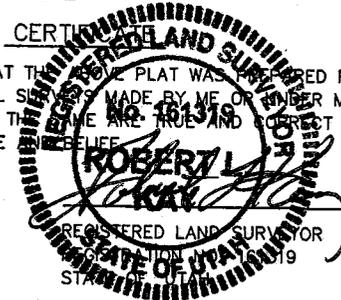
BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



SCALE

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



LEGEND:

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

(NAD 83)
 LATITUDE = 40°11'12.98" (40.186939)
 LONGITUDE = 109°32'55.03" (109.548619)
 (NAD 27)
 LATITUDE = 40°11'13.11" (40.186975)
 LONGITUDE = 109°32'52.54" (109.547928)

UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 02-15-07	DATE DRAWN: 02-20-07
PARTY G.O. T.P. P.M.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE QUESTAR EXPLR. & PROD.	

Additional Operator Remarks

Questar Explor. & Prod. Co. proposes to drill a well to 6,900' to test the Green River formation. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per BLM and State of Utah requirements"

See Onshore Oil & Gas Order No. 1

Please see Questar Explor. & Prod. Co. Standard Operating Practices dated October 18, 2005, for Mesa Verde Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and Undesignated fields in Townships 07, 08 and 09 South, Ranges 21 to 25 East.

Please be advised that Questar Explor. & Prod. Co. agrees to be responsible under the terms and conditions of the lease for the operations conducted upon the lease lands.

Bond coverage for this well is provided by Bond No.ESB000024. The principal is Questar Explor. & Prod. Co. via surety as consent as provided for the 43 CFR 3104.2.

DRILLING PROGRAM

ONSHORE OIL & GAS ORDER NO. 1
Approval of Operations on Onshore
Federal Oil and Gas Leases

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 No. 1, 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 the field representative to insure compliance.

1. Formation Tops

The estimated tops of important geologic markers are as follows:

<u>Formation</u>	<u>Depth</u>	<u>Prod. Phase Anticipated</u>
Uinta	Surface	
Green River	3450'	
TD	6900'	

2. Anticipated Depths of Oil Gas Water and Other Mineral Bearing Zones

The estimated depths at which the top and bottom of the anticipated water, oil, gas. Or other mineral bearing formations are expected to be encountered are as follows:

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
Oil/Gas	Green River	6900'

All fresh water and prospectively valuable minerals encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

All water shows and water-bearing sands will be reported to the BLM in Vernal, Utah. Copies of State of Utah form OGC-8-X are acceptable. If flows are detected, samples will be submitted to the BLM along with any water analyses conducted. Fresh water will be obtained from Wonsits Valley water right # A36125 (which was filed on May 7, 1964,) or Red Wash water right # 49-2153 (which was filed on March 25, 1960). It was determined by the Fish and Wildlife Service that any water right number filed before 1989 is not depleting to the Upper Colorado River System, to supply fresh water for drilling purposes.

All water resulting from drilling operations will be disposed of at Red Wash Central Battery Disposal Site; SWSE, Section 27, T7S, R23E or Wonsits Valley Disposal Site; SWNW, Section 12, T8S, R21E.

DRILLING PROGRAM

3. Operator's Specification for Pressure Control Equipment:

- A. 3,000 psi W.P. Double Gate BOP or Single Gate BOP (schematic attached)
- B. Functional test daily
- C. All casing strings shall be pressure tested (0.2 psi/foot or 1500 psi, (or 70% of burst whichever is greater) prior to drilling the plug after cementing; test pressure shall not exceed the internal yield pressure of the casing.
- D. Ram type preventers and associated equipment shall be tested to approved stack working pressure if isolated by test plug or to 50 percent of internal yield pressure of casing whichever is less. 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 3M system and individual components shall be operable as designed.

4. Casing Program

	<u>Depth</u>	<u>Hole Size</u>	<u>Csg Size</u>	<u>Type</u>	<u>Weight</u>
Surface	450'	12 1/4"	9-5/8"	J-55	36 lb/ft (new) ST&C
TD	6,900'	7-7/8"	5-1/2"	J-55	15.5 lb/ft (new) LT&C

5. Auxiliary Equipment

- A. Kelly Cock – yes
- B. Float at the bit – no
- C. Monitoring equipment on the mud system – visually and/or PVT/Flow Show
- D. Full opening safety valve on the rig floor – yes
- E. Rotating Head – yes
- F. If drilling with air the following will be used:
The blooie line shall be at least 6" in diameter and extend at least 100' from the well bore into the reserve/blooie pit.
- G. Blooie line ignition shall be provided by a continuous pilot (ignited when drilling below 500').

DRILLING PROGRAM

- H. Compressor shall be tied directly to the blooie line through a manifold.
- I. A mister with a continuous stream of water shall be installed near the end of the blooie lines for dust suppression.

Surface hole will be drilled with air, air/mist, foam, or mud depending on hole conditions. Drilling below surface casing will be with water based drilling fluids consisting primarily of fresh water, bentonite, lignite, caustic, lime, soda ash and polymers. No chromates will be used. It is not intended to use oil in the mud, however, in the event it is used, oil concentration will be less than 4% by volume. Maximum anticipated mud weight is 9.5 ppg.

No minimum quantity of weight material will be required to be kept on location.

PVT/Flow Show will be used from base of surface casing to TD.

Gas detector will be used from surface casing depth to TD.

6. Testing, logging and coring program

- A. Cores – none anticipated
- B. DST – none anticipated

Logging – Mud logging – 4500 to TD
GR-SP-Induction
Neutron Density
MRI

- C. Formation and Completion Interval: Green River interval, final determination of completion will be made by analysis of logs.
Stimulation – Stimulation will be designed for the particular area of interest as encountered.

DRILLING PROGRAM

7. Cementing Program

<u>Casing</u>	<u>Volume</u>	<u>Type & Additives</u>
Surface	257sx	Class "G" single slurry mixed to 15.6 ppg, yield = 1.19 cf/sx. Cement to surface with 160 cf (257sx) calculated. Tail plug used. Allowed to set under pressure
Production	Lead-582sx* Tail-206sx*	Lead/Tail oilfield type cement circulated in place . Tail slurry: Class "G" + gilsonite and additives as required, mixed to 14.8 ppg, yield = 1.34 cf/sx. Tail to 6100' ($\pm 500'$ above production zone). Cement Characteristics: Lead slurry: Class "G" + extender and additives as required, mixed to 11.0 ppg, yield = 3.82 cf/sx. Lead to surface. Tail plug used. Allowed to set under pressure.

*Final cement volumes to be calculated from caliper log with an attempt to be made to circulate cement to the surface. A bond log will be run across the zone of interest and across zones as required by the authorized officer to insure protection of natural resources.

8. Anticipated Abnormal Pressures and Temperatures, Other Potential Hazards

No abnormal temperatures or pressures are anticipated. No H2S has been encountered in or known to exist from previous wells drilled to similar depths in the general area. Maximum anticipated bottom hole pressure equals approximately 3409.0 psi. Maximum anticipated bottom hole temperature is 140° F.

DRILLING PROGRAM

SCHEMATIC DIAGRAM OF 3,000 PSI BOP STACK

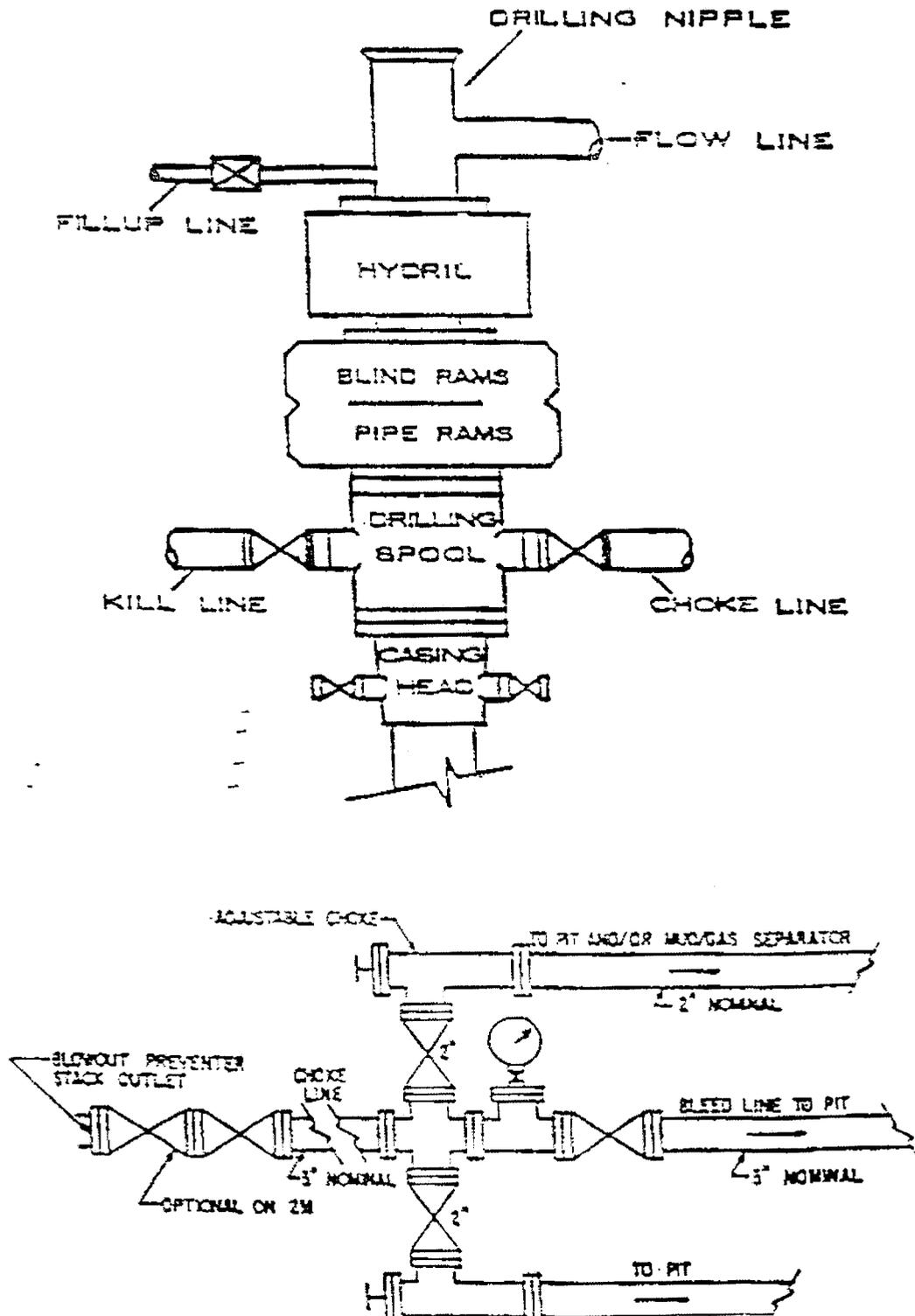
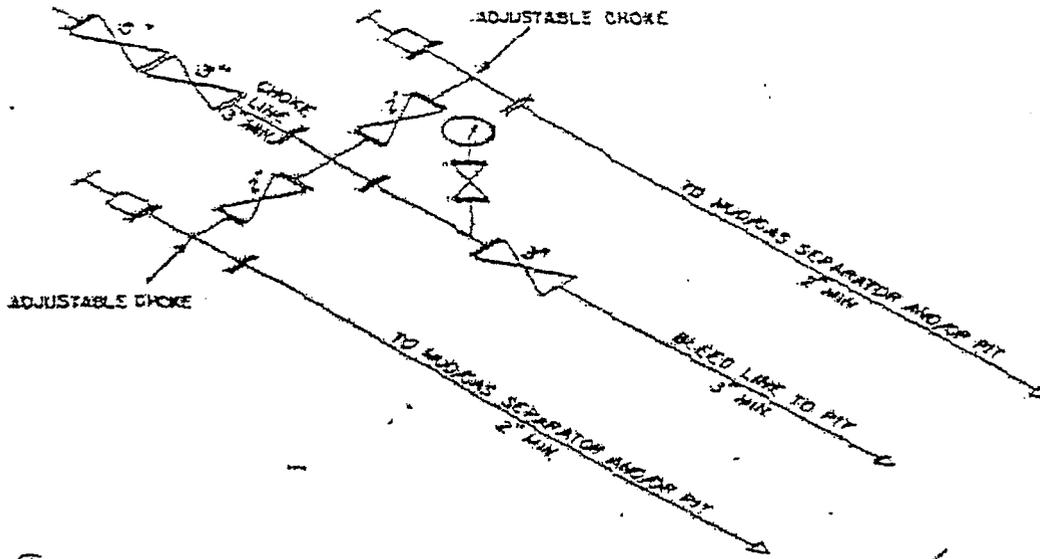


EXHIBIT A CONTINUED

46312 Federal Register / Vol. 53, No. 223 / Friday, November 18, 1988 / Rules and Regulations



① 3M CHOKE MANIFOLD EQUIPMENT — CONFIGURATION OF CHOKES MAY VARY

QUESTAR EXPLORATION & PRODUCTION, CO.
SU PURDY 4G-27-7-21
770' FNL 699' FWL
NWNW, SECTION 27, T7S, R21E
UINTAH COUNTY, UTAH
LEASE # UTU-16551

ONSHORE ORDER NO. 1

MULTI – POINT SURFACE USE & OPERATIONS PLAN

An onsite inspection was conducted for the SU PURDY 4G-27-7-21 on March 20, 2007. Weather conditions were sunny and warm at the time of the onsite. In attendance at the inspection were the following individuals:

Paul Buhler	Bureau of Land Management
Amy Torres	Bureau of Land Management
Ann Figueroa	Bureau of Land Management
Jan Nelson	Questar Exploration & Production, Co.

1. Existing Roads:

The proposed well site is approximately 36 miles west of Vernal, Utah.

Refer to Topo Maps A and B for location of access roads within a 2 – mile radius.

There will be improvements made to existing road.

2. Planned Access Roads:

Please see Questar Explor. & Prod. Co. Standard Operating Practices dated October 18, 2005, for Mesa Verde Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and Undesignated fields in Townships 07, 08 and 09 South, Ranges 21 to 25 East.

Refer to Topo Map B for the location of the proposed access road.

3. Location of Existing Wells Within a 1 – Mile Radius:

Please refer to Topo Map C.

4. Location of Existing & Proposed Facilities:

Please see Questar Explor. & Prod. Co. Standard Operating Practices dated October 18, 2005, for Mesa Verde Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and Undesignated fields in Townships 07, 08 and 09 South, Ranges 21 to 25 East.

Refer to Topo Map D for the location of the proposed pipeline.

5. Location and Type of Water Supply:

Please see Questar Explor. & Prod. Co. Standard Operating Practices dated October 18, 2005, for Mesa Verde Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and Undesignated fields in Townships 07, 08 and 09 South, Ranges 21 to 25 East.

Water for drilling purposes would be obtained from Wonsits Valley Water Right # A 36125 (which was filed on May 7, 1964) or Red Wash Water Right # 49-2153 (which was filed on March 25, 1960). It was determined by the Fish and Wildlife Service that any water right number filed before 1989 is not depleting to the Upper Colorado River System.

6. **Source of Construction Materials:**

Please see Questar Explor. & Prod. Co. Standard Operating Practices dated October 18, 2005, for Mesa Verde Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and Undesignated fields in Townships 07, 08 and 09 South, Ranges 21 to 25 East.

7. **Methods of Handling Waste Materials:**

Please see Questar Explor. & Prod. Co. Standard Operating Practices dated October 18, 2005, for Mesa Verde Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and Undesignated fields in Townships 07, 08 and 09 South, Ranges 21 to 25 East.

8. **Ancillary Facilities:**

Please see Questar Explor. & Prod. Co. Standard Operating Practices dated October 18, 2005, for Mesa Verde Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and Undesignated fields in Townships 07, 08 and 09 South, Ranges 21 to 25 East.

Product will be tanked and hauled to delivery site.

Facilities will be painted Carlsbad Canyon.

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

A pit liner is required. A felt pit liner will be required if bedrock is encountered.

10. **Plans for Reclamation of the Surface:**

Please see Questar Explor. & Prod. Co. Standard Operating Practices dated October 18, 2005, for Mesa Verde Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and Undesignated fields in Townships 07, 08 and 09 South, Ranges 21 to 25 East.

Interim Reclamation

Please see attached Interim Reclamation plan.

Once the well is put onto production, QEP will reclaim as much of the well pad as possible that will allow for operations to continue in a safe and reasonable manner. Reseeding will be done in the spring or fall of every year to allow winter precipitation to aid in the success of reclamation.

Seed Mix:

Interim Reclamation:

6 lbs Hycrest Crested Wheatgrass

6 lbs Needle & Threadgrass

Final Reclamation:

Seed Mix # 3 3 lbs. Shadscale, 3 lbs. Indian Rice Grass, 3 lbs. Needle & Threadgrass,
4 lbs. Hycrest Crested Wheat

11. Surface Ownership:

Bureau of Land Management

170 South 500 East

Vernal, Utah 84078

(435) 781-4400

12. Other Information

A Class III archaeological survey was conducted by Montgomery Archaeology Consultants. A copy of this report was submitted directly to the appropriate agencies by Montgomery Archaeology Consultants. Cultural resource clearance was recommended for this location.

A class III paleontological survey was conducted by Intermountain Paleo Consulting. A copy of this report was submitted directly to the appropriate agencies by Stephen D. Sandau. The inspection resulted in the location of no fossil resources. However, if vertebrate fossil(s) are found during construction a paleontologist should be immediately notified. QEP will provide paleo monitor if needed.

There is a Burrowing Owl stipulation from April 1st to August 15th. No construction or drilling will commence during this period unless otherwise determined by a wildlife biologist that the site is inactive.

No drilling or construction will take place during the Pronghorn season May 10th through June 20th.

Install culverts as needed.

Install high water crossing before installing cattle guard.

A muffler will be placed on pumping unit for reduction of noise.

QUESTAR EXPLORATION & PRODUCTION, CO.
Request for Exception to Buried Pipeline
For

SU PURDY 4G-27-7-21

QEP respectfully requests an exception to burying this pipeline. We understand the standard Condition of Approval (COA) that may be included in the approved Application for Permit to Drill (APD) is: *“As a Best Management Practice (BMP), the pipeline would be buried within the identified construction width of an access corridor that contains the access road and pipelines. The construction width for the access corridor would increase from 30 feet, by an additional 20 feet, to a total of 50 feet. Exceptions to this BMP may be granted where laterally extensive, hard indurated bedrock, such as sandstone, is at or within 2 feet of the surface; and, soil types with a poor history of successful rehabilitation.”* QEP will install the pipeline within the access corridor and will avoid cross-country installation when possible. Our reason for requesting a surface line is based on the following justification:

Class IV VRM

- ◆ This area’s designated Visual Resource Management is classified as Class IV. The Class IV objective is to provide for management activities that require major modification to the existing character of the landscape. The level of change to the landscape can be high. The management activities may dominate the view and may be the major focus of the viewer attention. However, every attempt should be made to minimize the impact of these activities through careful location, minimal disturbance, and repetition of the basic visual elements of form, line, color, and texture.
- ◆ QEP feels that surface pipe will comply with this classification more so than buried pipe due to the amount of surface disturbance that will be required to bury it. We believe surface installation within the access corridor will minimize the disturbance so that the pipeline does not dominate the view.

Environmental and Safety Concerns

- ◆ Buried pipe will greatly increase surface disturbance and habitat fragmentation. The soil in this area has a poor history of successful rehabilitation. Buried pipe will have an increased corrosion rate and would need to be dug up for repairs or replacement; the constant surface disturbance will not allow time for successful reclamation.
- ◆ Increasing surface disturbance will greatly increase noxious and invasive weed infestation.

- ◆ With the increased corrosion rate, buried pipe may have undetectable leaks that could go unnoticed for months. Small leaks may turn into large plumes of underground hazards because they are not easily monitored and not seen right away. An undetected leak also increases the potential for explosive incidents. Once detected, the surface will need to be disturbed, once again, to dig up the line and replace or repair it.
- ◆ Accidents associated with pipe breaks during construction activities could increase substantially as the number of buried lines increases.
- ◆ The additional surface disturbance will increase the risk of disturbing paleontological sites.

Operational and Mechanical Concerns for Gas Lines

- ◆ Cathodic protection will be required for buried pipe. Cathodic protection requires anode beds that must be maintained. This will add substantial costs in labor and material. Additional power lines will need to be installed to the anode beds. The additional costs for equipment and labor will be approximately \$50,000.00 per section.
- ◆ Pipeline markers need to be used with buried pipe. This will add costs in labor and material.
- ◆ Every tie in requires a valve. The average distance between valves is approximately ¼ mile. Valves will have to be placed in “freeze boxes” or “valve boxes”. Valve boxes will be considered confined space which increases the manpower needed to repair or replace valves. Every valve box will also require bright yellow guard rails.
- ◆ Additional equipment required for buried pipe can include blades/dozers, trenchers (cutting or blasting in hard rock), side booms, etc. which increases installation costs.
- ◆ Buried pipe must have fusion bonded epoxy (FBE) coating. FBE pipe will cost an additional \$2.00 per foot compared to bare pipe.
- ◆ This pipeline has the potential for being upgraded/upsized to a larger pipe diameter depending on production volumes. If upsizing is required, the pipe will need to be dug up which will cause additional surface disturbance and will not allow adequate time for successful reclamation.
- ◆ Surface lines are sometimes relocated to accommodate new locations; this is done in an effort to minimize the amount of pipe needed and the amount of surface disturbed. If this pipe is buried, this will no longer be an option.

Lessee's or Operator's Representative:

Jan Nelson
Red Wash Rep.
Questar Exploration & Production, Co.
1571 East 1700 South
Vernal, Utah 84078
(435) 781-4032

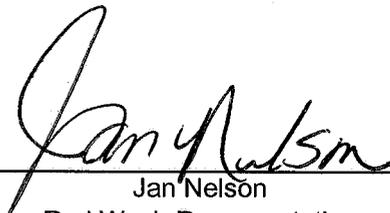
Certification:

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil & Gas Orders, the approved plan of operations, and any applicable Notice to Lessees.

Questar Explor. & Prod. Co. will be fully responsible for the actions of their subcontractors.

A complete copy of the approved Application for Permit to Drill will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Questar Explor. & Prod. Co. it's 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.



Jan Nelson
Red Wash Representative

27-Mar-07

Date

QUESTAR EXPLR. & PROD.

SU PURDY #4G-27-7-21

LOCATED IN UINTAH COUNTY, UTAH

SECTION 27, T7S, R21E, S.L.B.&M.

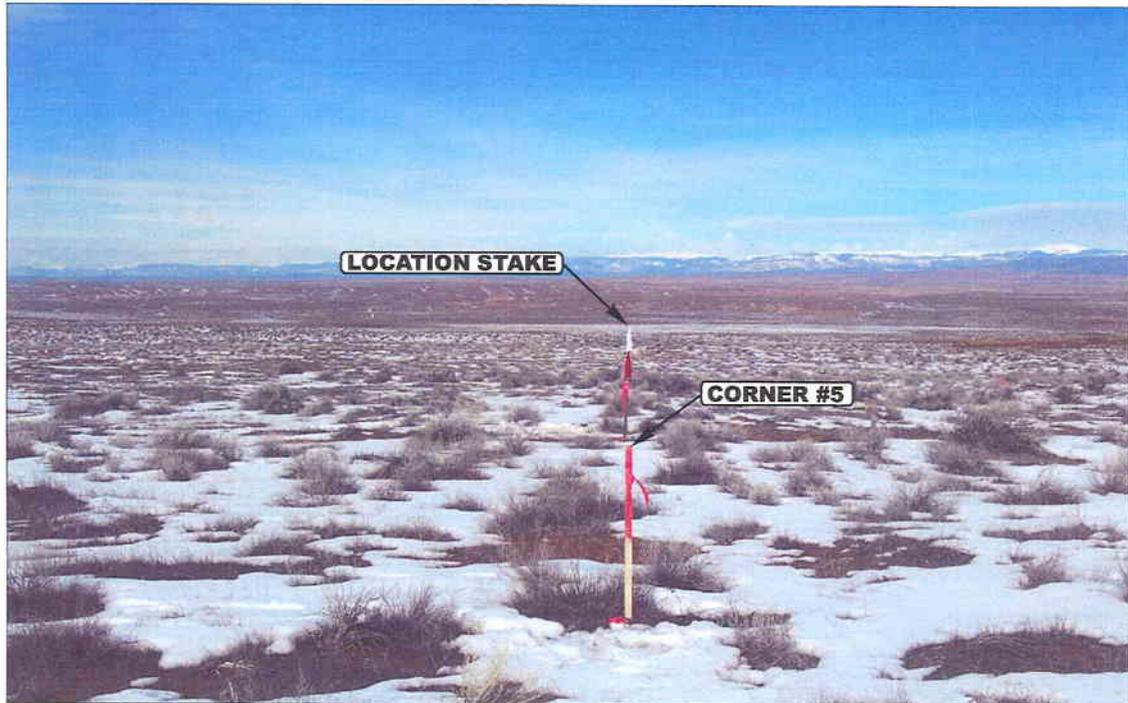


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHWESTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHWESTERLY



- Since 1964 -

U **E** **L** **S** Uintah Engineering & Land Surveying

85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

02 19 07
MONTH DAY YEAR

PHOTO

TAKEN BY: G.O.

DRAWN BY: L.K.

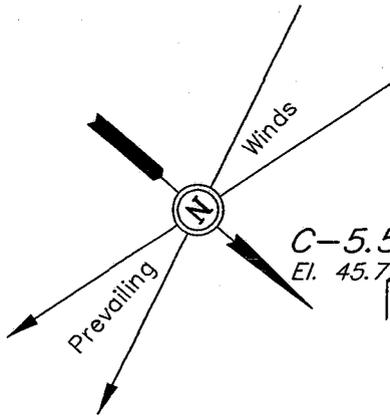
REVISED: 00-00-00

QUESTAR EXPLR. & PROD.

FIGURE #1

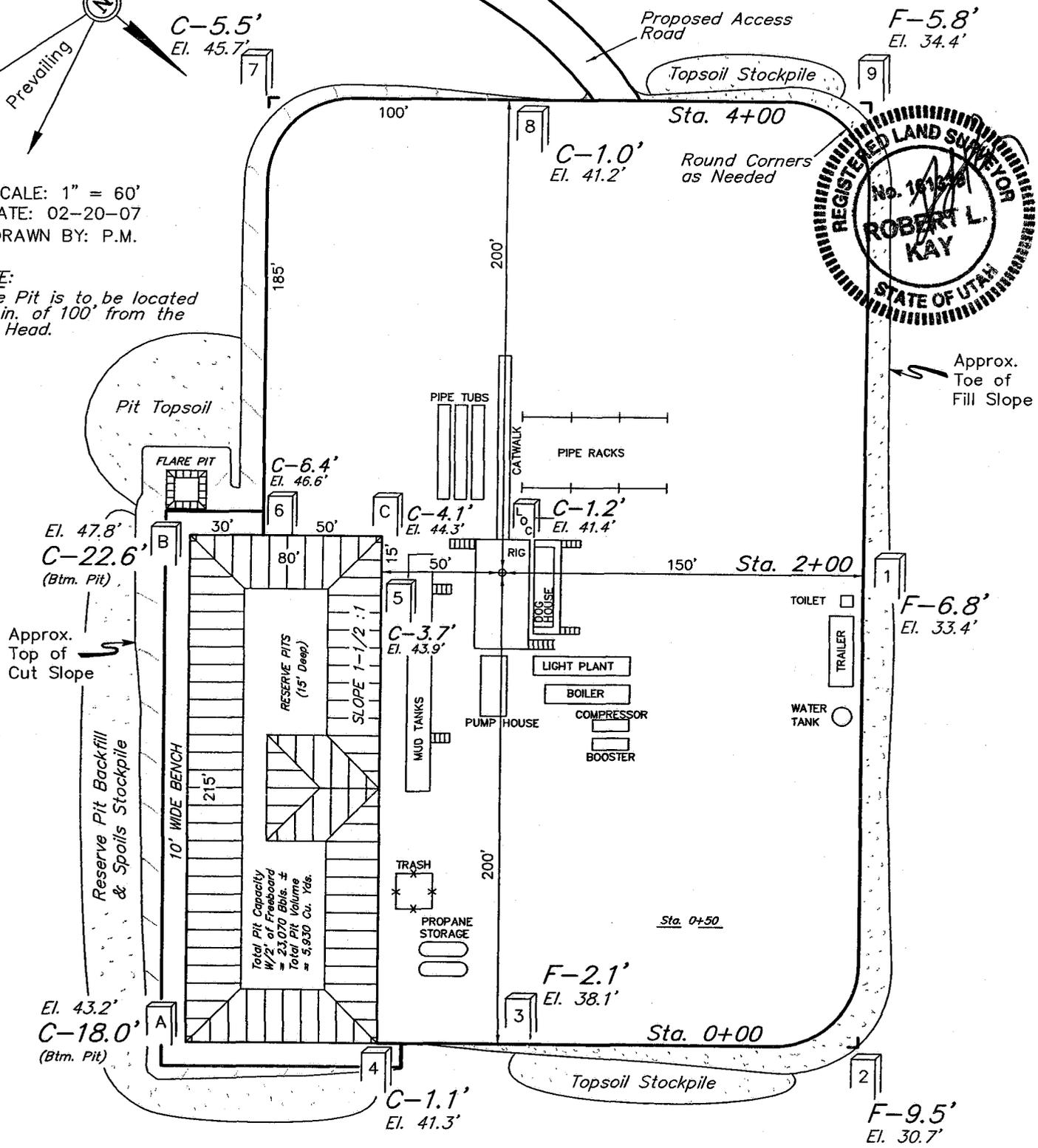
LOCATION LAYOUT FOR

SU PURDY #4G-27-7-21
SECTION 27, T7S, R21E, S.L.B.&M.
770' FNL 699' FWL



SCALE: 1" = 60'
DATE: 02-20-07
DRAWN BY: P.M.

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



NOTES:

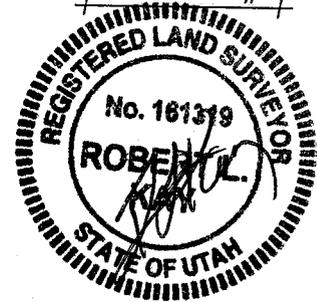
Elev. Ungraded Ground At Loc. Stake = 4941.4'
FINISHED GRADE ELEV. AT LOC. STAKE = 4940.2'

QUESTAR EXPLR. & PROD.

TYPICAL CROSS SECTIONS FOR

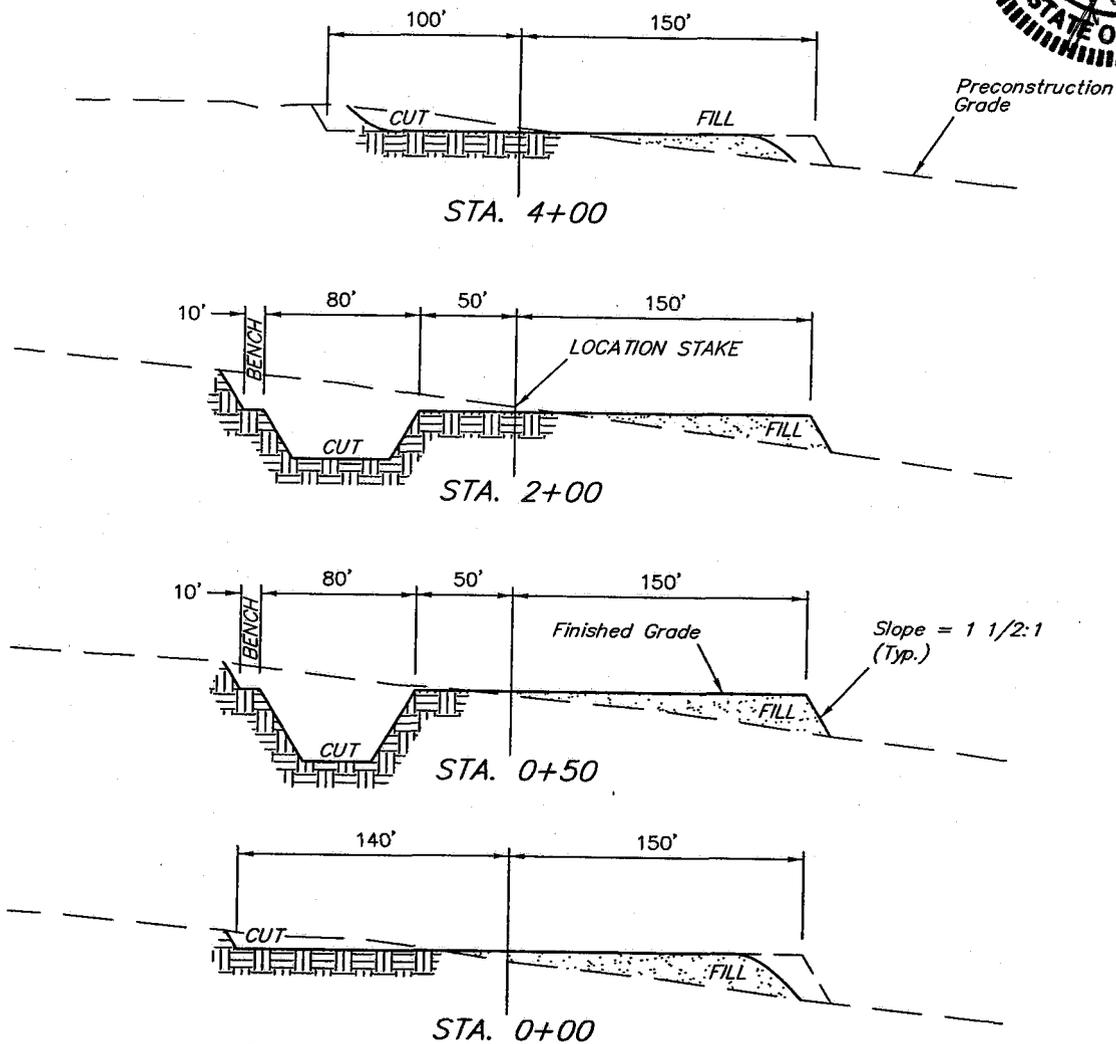
SU PURDY #4G-27-7-21
SECTION 27, T7S, R21E, S.L.B.&M.
770' FNL 699' FWL

FIGURE #2



X-Section Scale
1" = 40'
1" = 100'

DATE: 02-20-07
DRAWN BY: P.M.



APPROXIMATE ACREAGES

WELL SITE DISTURBANCE = ± 3.104 ACRES
ACCESS ROAD DISTURBANCE = ± 0.364 ACRES
PIPELINE DISTURBANCE = ± 4.945 ACRES
TOTAL = ± 8.413 ACRES

* NOTE:
FILL QUANTITY INCLUDES
5% FOR COMPACTION

NOTE:

Topsoil should not be Stripped Below Finished Grade on Substructure Area.

APPROXIMATE YARDAGES

CUT
(6") Topsoil Stripping = 2,320 Cu. Yds.
Remaining Location = 12,080 Cu. Yds.
TOTAL CUT = 14,400 CU.YDS.
FILL = 9,110 CU.YDS.

EXCESS MATERIAL = 5,290 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.) = 5,290 Cu. Yds.
EXCESS UNBALANCE = 0 Cu. Yds.
(After Interim Rehabilitation)

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

QUESTAR EXPLR. & PROD.

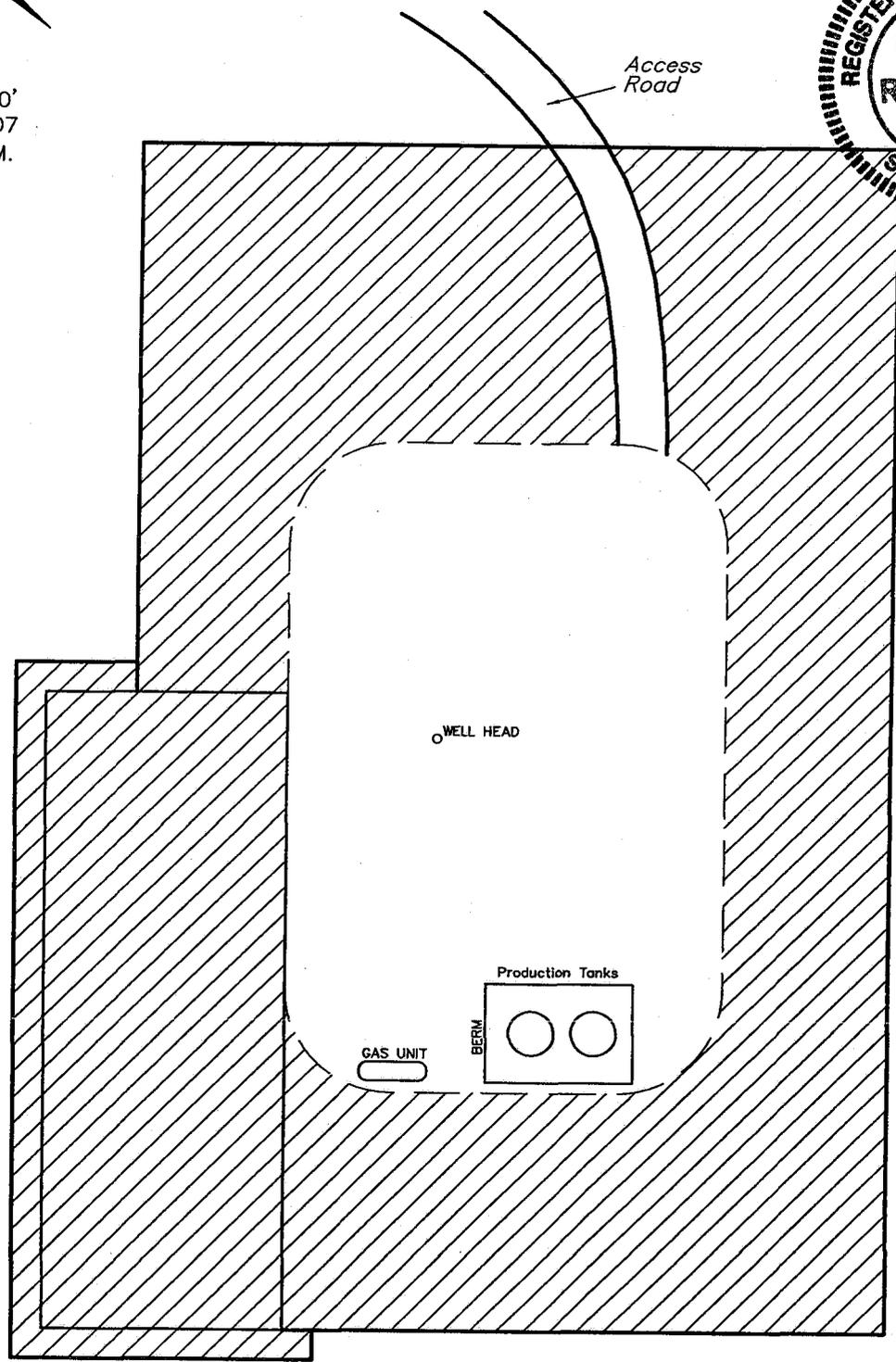
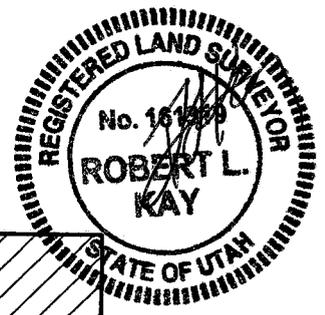
FIGURE #3

INTERIM RECLAMATION PLAN FOR

SU PURDY #4G-27-7-21
SECTION 27, T7S, R21E, S.L.B.&M.
770' FNL 699' FWL

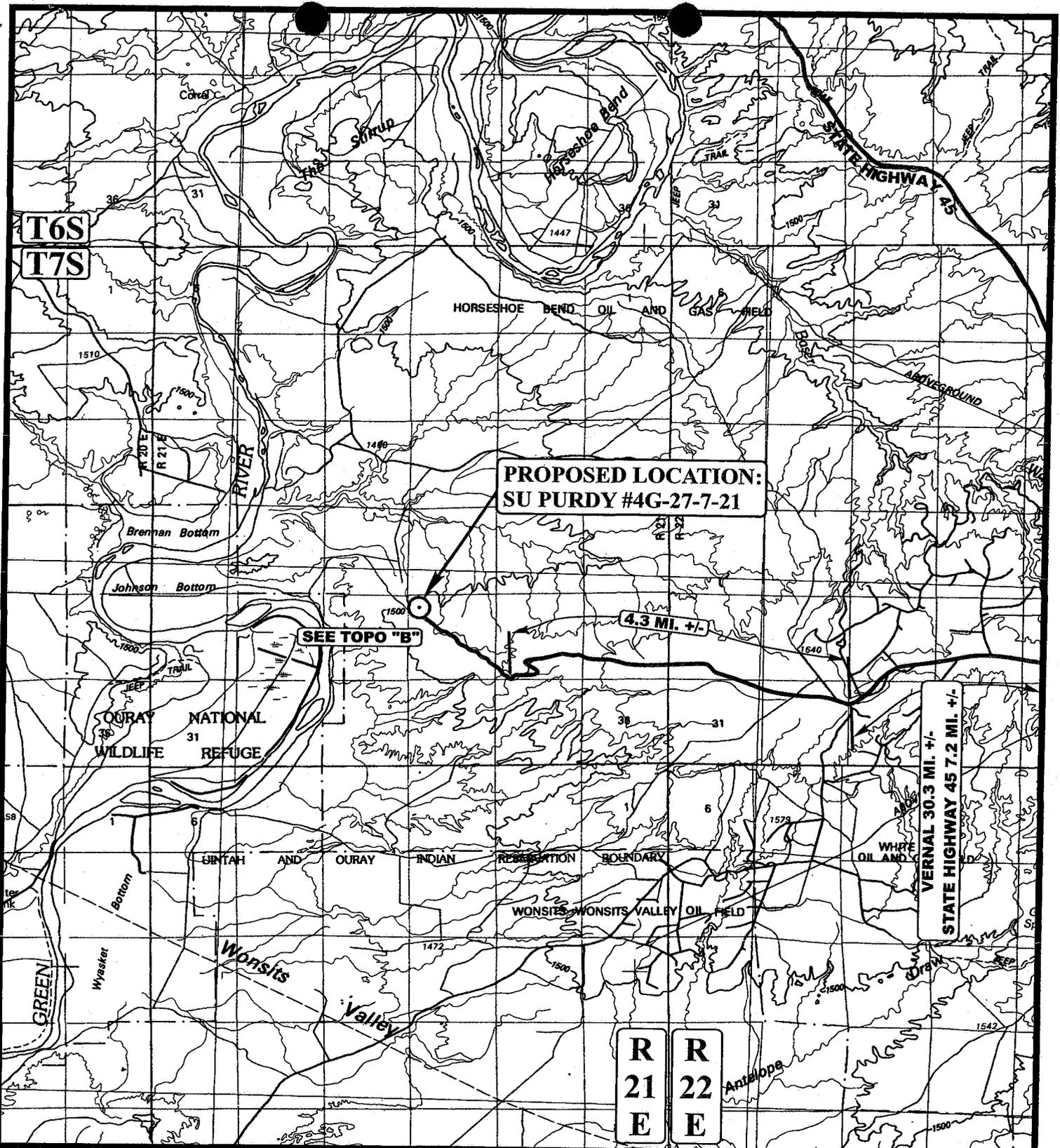


SCALE: 1" = 60'
DATE: 02-20-07
DRAWN BY: P.M.



 INTERIM RECLAMATION

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



**PROPOSED LOCATION:
SU PURDY #4G-27-7-21**

SEE TOPO "B"

**R 21 E
R 22 E**

**VERNAL 30.3 MI. +/-
STATE HIGHWAY 45 7.2 MI. +/-**

LEGEND:

⊙ PROPOSED LOCATION



QUESTAR EXPLR. & PROD.

**SU PURDY #4G-27-7-21
SECTION 27, T7S, R21E, S.L.B.&M.
770' FNL 699' FWL**



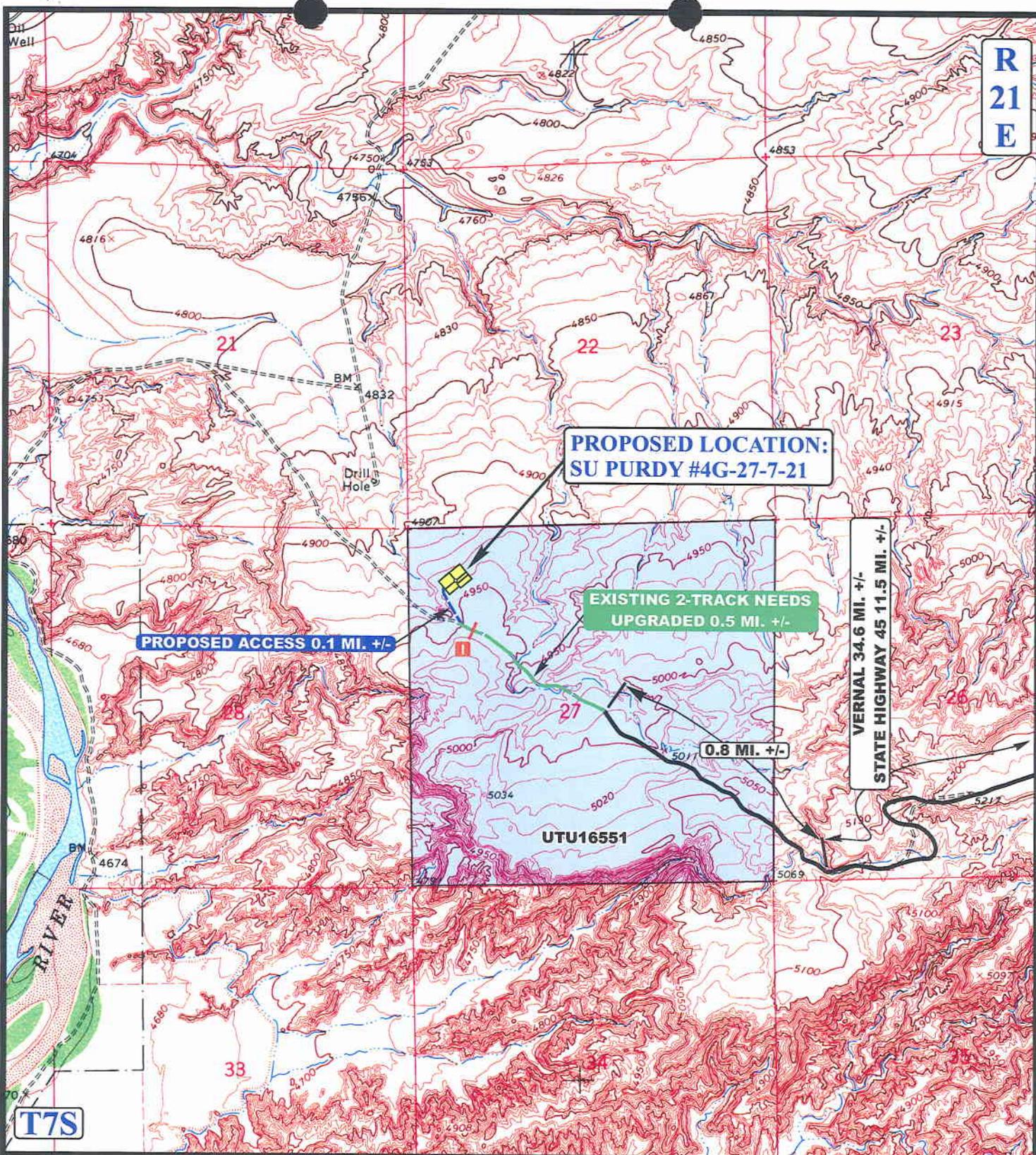
**Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813**

TOPOGRAPHIC MAP

02	19	07
MONTH	DAY	YEAR

SCALE: 1:100,000 **DRAWN BY: L.K.** **REVISED: 00-00-00**





**PROPOSED LOCATION:
SU PURDY #4G-27-7-21**

**EXISTING 2-TRACK NEEDS
UPGRADED 0.5 MI. +/-**

PROPOSED ACCESS 0.1 MI. +/-

STATE HIGHWAY 45 11.5 MI. +/-

0.8 MI. +/-

UTU16551

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING ROAD
- CATTLE GUARD REQUIRED

QUESTAR EXPLR. & PROD.

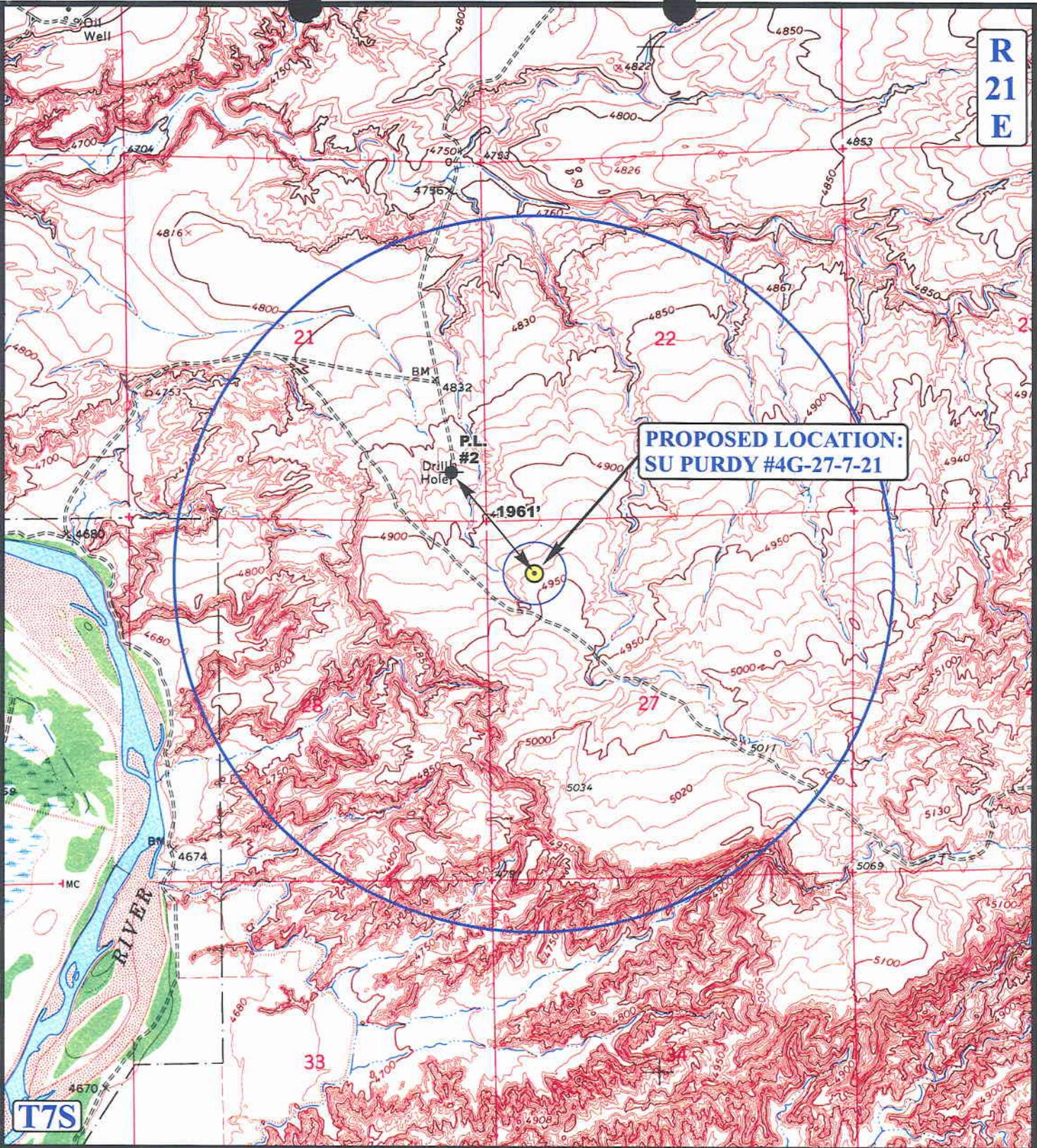
**SU PURDY #4G-27-7-21
SECTION 27, T7S, R21E, S.L.B.&M.
770' FNL 699' FWL**

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



TOPOGRAPHIC MAP **02 19 07**
MONTH DAY YEAR
SCALE: 1" = 2000' DRAWN BY: L.K. REVISED: 00-00-00 **B**
TOPO

R
21
E



**PROPOSED LOCATION:
SU PURDY #4G-27-7-21**

1961'

LEGEND:

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

QUESTAR EXPLR. & PROD.

**SU PURDY #4G-27-7-21
SECTION 27, T7S, R21E, S.L.B.&M.
770' FNL 699' FWL**



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



**TOPOGRAPHIC
MAP**

02 19 07
MONTH DAY YEAR
SCALE: 1" = 2000' DRAWN BY: L.K. REVISED: 00-00-00



R
21
E

**PROPOSED LOCATION:
SU PURDY #4G-27-7-21**

UTU73681

**PROPOSED
ACCESS
ROAD**

PROPOSED PIPELINE

**TIE-IN
POINT**

EXISTING PIPELINE

T7S

UTU16551

APPROXIMATE TOTAL PIPELINE DISTANCE = 7,180' +/-

LEGEND:

-  PROPOSED ACCESS ROAD
-  EXISTING PIPELINE
-  PROPOSED PIPELINE
-  PROPOSED PIPELINE (SERVICING OTHER WELLS)



QUESTAR EXPLR. & PROD.

**SU PURDY #4G-27-7-21
SECTION 27, T7S, R21E, S.L.B.&M.
770' FNL 699' FWL**



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

**TOPOGRAPHIC
MAP**

02 19 07
MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: L.K. REVISED: 00-00-00



**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 04/03/2007

API NO. ASSIGNED: 43-047-39180

WELL NAME: SU PURDY 4G-27-7-21
 OPERATOR: QUESTAR EXPLORATION & (N5085)
 CONTACT: JAN NELSON

PHONE NUMBER: 435-781-4032

PROPOSED LOCATION:

NWNW 27 070S 210E
 SURFACE: 0770 FNL 0699 FWL
 BOTTOM: 0770 FNL 0699 FWL
 COUNTY: UINTAH
 LATITUDE: 40.18703 LONGITUDE: -109.5480
 UTM SURF EASTINGS: 623612 NORTHINGS: 4449316
 FIELD NAME: UNDESIGNATED (2)

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal
 LEASE NUMBER: UTU-16551
 SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]
(No. ESB000024)
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit
(No. 49-2153)
- RDCC Review (Y/N)
(Date: _____)
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

- R649-2-3.
- Unit: STIRRUP *NON 7/04*
- R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit
Board Cause No: _____
Eff Date: _____
Siting: _____
- R649-3-11. Directional Drill

COMMENTS: Sep. Separate file

STIPULATIONS: 1- Federal Approved
2- Spacing Slip

PELICAN LAKE UNIT 2

BBS 15G-22-7-21

T7S R21E

SU PURDY
4G-27-7-21

SU
4W-26-7-21

STIRRUP UNIT

LEOTA UNIT
A-2-26-1D

27

SU PURDY
10G-27-7-21

LEOTA UNIT A-1-27-3D
WV 15W-27-7-21

LEOTA UNIT
A-1-26-4D

WONSITS VALLEY FIELD

FEDERAL 1-35HB
PURDY FED 4-35-7-21

LEOTA FED 1

LEOTA UNIT
"A" 1-35-1D

STIRRUP U
8W-34-7-21

OPERATOR: QUESTAR EXPL & PROD (N5085)

SEC: 27 T.75 R. 21E

FIELD: UNDESIGNATED (002)

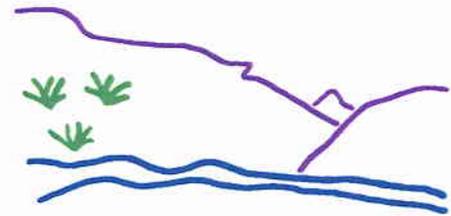
COUNTY: UINTAH

SPACING: R649-3-2 / GENERAL SITING

- Field Status**
- ABANDONED
 - ACTIVE
 - COMBINED
 - INACTIVE
 - PROPOSED
 - STORAGE
 - TERMINATED

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

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



Utah Oil Gas and Mining



PREPARED BY: DIANA MASON
DATE: 04-APRIL-2007



State of Utah

**Department of
Natural Resources**

MICHAEL R. STYLER
Executive Director

**Division of
Oil, Gas & Mining**

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

April 5, 2007

Questar Exploration & Production, Co.
1571 E 1700 S
Vernal, UT 84078

Re: Stirrup Unit Purdy 4G-27-7-21 Well, 770' FNL, 699' FWL, NW NW, Sec. 27,
T. 7 South, R. 21 East, Uintah 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 43-047-39180.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Uintah County Assessor (via e-mail)
Bureau of Land Management, Vernal Office

Operator: Questar Exploration & Production, Co.

Well Name & Number Stirrup Unit Purdy 4G-27-7-21

API Number: 43-047-39180

Lease: UTU-16551

Location: NW NW Sec. 27 T. 7 South R. 21 East

Conditions of Approval

1. General

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

2. Notification Requirements

Notify the Division with 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281 office
(801) 733-0983 home

3. Reporting Requirements

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

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

SUBMIT IN TRIPPLICATE*
APR - 2 2007

FORM APPROVED
OMB NO. 1040-0136
Expires: February 28, 1995

APPLICATION FOR PERMIT TO DRILL **BLM VERNAL, UTAH**

TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. UTU-16551
TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
2. NAME OF OPERATOR QUESTAR EXPLORATION & PRODUCTION, CO.		7. UNIT AGREEMENT NAME STIRRUP UNIT UTU-80250X
3. ADDRESS 1571 E. 1700 S. Vernal, Ut 84078		8. FARM OR LEASE NAME, WELL NO. SU PURDY 4G-27-7-21
4. LOCATION OF WELL (Report location clearly and in accordance with and State requirements*) At Surface 770' FNL 699' FWL, NWNW, SECTION 27, T7S, R21E At proposed production zone		9. API NUMBER: 43-047-39180
14. DISTANCE IN MILES FROM NEAREST TOWN OR POSTOFFICE* 36 +/- WEST OF VERNAL, UTAH		10. FIELD AND POOL, OR WILDCAT STIRRUP
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (also to nearest drig, unit line if any) 699' +/-	16. NO. OF ACRES IN LEASE 2320.00	11. SEC., T, R, M, OR BLK & SURVEY OR AREA SEC. 27, T7S, R21E Mer SLB&M
18. DISTANCE FROM PROPOSED location to nearest well, drilling, completed, applied for, on this lease, ft	19. PROPOSED DEPTH 6,900'	12. COUNTY OR PARISH Uintah
21. ELEVATIONS (Show whether DF, RT, GR, ect.) 4940.2' GR	22. DATE WORK WILL START ASAP	13. STATE UT
24. Attachments	17. NO. OF ACRES ASSIGNED TO THIS WELL 40	20. BLM/BIA Bond No. on file ESB000024
	23. Estimated duration 14 Days	

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan
- A surface Use Plan (if location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification.
- Such other site specific information and/or plans as may be required by the authorized officer.

SIGNED Jan Nelson Name (printed/typed) Jan Nelson DATE 3-27-07

TITLE Regulatory Affairs

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify the applicant holds any 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
Lands & Mineral Resources DATE 10-23-2007
*See Instructions 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 mater within its jurisdiction

CONDITIONS OF APPROVAL ATTACHED

UDOGM

NOTICE OF APPROVAL

RECEIVED

CONFIDENTIAL

OCT 26 2007

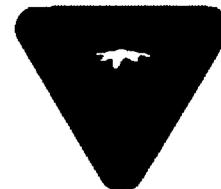
DIV. OF OIL, GAS & MINING

07PP1464A
NOS 2/28/07



**UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE**

170 South 500 East VERNAL, UT 84078 (435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Questar Expl. & Prod., Co.
Well No: SU Purdy 4G-27-7-21
API No: 43-047-39180

Location: NWNW, Sec 27, T7S, R21E
Lease No: UTU-16551
Agreement: Stirrup Unit

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
NRS/Enviro Scientist:	Paul Buhler	(435) 781-4475	(435) 828-4029
NRS/Enviro Scientist:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	
NRS/Enviro Scientist:	Chuck MacDonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Jannice Cutler	(435) 781-3400	(435) 828-3544
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	(435) 828-3546
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435)828-3545

Fax: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

***SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)***

Surface COAs:

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

SURFACE SITE SPECIFICS:

- Conditions for Approval are in the APD or SOP

SITE SPECIFIC DOWNHOLE COAs:

- Production casing cement shall be brought to surface and topped off by 1" if the cement falls back.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the 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.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Wellogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.
- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers 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 shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 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 Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-16551
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: N/A
		7. UNIT or CA AGREEMENT NAME: STIRRUP UNIT UTU-80250X
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____	8. WELL NAME and NUMBER: SU PURDY 4G-27-7-21	
2. NAME OF OPERATOR: Questar Exploration & Production Co.		9. API NUMBER: 4304739180
3. ADDRESS OF OPERATOR: 11002 E. 17500 S. CITY Vernal STATE UT ZIP 84078	PHONE NUMBER: (435) 781-4301	10. FIELD AND POOL, OR WILDCAT: UNDESIGNATED
4. LOCATION OF WELL FOOTAGES AT SURFACE: 770' FNL 699' FWL		COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 27 7S 21E		STATE: UTAH

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

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

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

Questar Exploration & Production Co. hereby requests a 1 year extension on the SU PURDY 4G-27-7-21.

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

COPY SENT TO OPERATOR

Date: 4.2.2008

Initials: KS

Date: 03-31-2008
By: [Signature]

NAME (PLEASE PRINT) <u>Laura Bills</u>	TITLE <u>Associate Regulatory Affairs Analyst</u>
SIGNATURE <u>[Signature]</u>	DATE <u>3/27/2008</u>

(This space for State use only)

RECEIVED CONFIDENTIAL
MAR 31 2008

**Application for Permit to Drill
Request for Permit Extension
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 43-047-39180
Well Name: SU PURDY 4G-27-7-21
Location: 770' FNL 699' FWL, NWNW, SEC. 27, T7S, R21E
Company Permit Issued to: Questar Exploration & Production Co.
Date Original Permit Issued: 4/5/2007

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 right-of-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

Saura Bills
Signature

3/27/2008

Date

Title: Associate Regulatory Affairs Analyst

Representing: Questar Exploration & Production Co.

RECEIVED

MAR 31 2008

DIV. OF OIL, GAS & MINING

CONFIDENTIAL

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-16551
2. NAME OF OPERATOR: Questar Exploration & Production Co.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: 11002 E. 17500 S. CITY Vernal STATE UT ZIP 84078		7. UNIT or CA AGREEMENT NAME: STIRRUP UNIT UTU-80250X
4. LOCATION OF WELL FOOTAGES AT SURFACE: 770' FNL 699' FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 27 7S 21E		8. WELL NAME and NUMBER: SU PURDY 4G-27-7-21
PHONE NUMBER: (435) 781-4301		9. API NUMBER: 4304739180
		10. FIELD AND POOL, OR WILDCAT: UNDESIGNATED
		COUNTY: UINTAH
		STATE: UTAH

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

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

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

Questar Exploration & Production Co. hereby requests a 1 year extension on the SU PURDY 4G-27-7-21.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 03-25-09
By: [Signature]

COPY SENT TO OPERATOR
Date: 3/26/2009
Initials: KS

NAME (PLEASE PRINT) <u>Laura Bills</u>	TITLE <u>Associate Regulatory Affairs Analyst</u>
SIGNATURE <u>[Signature]</u>	DATE <u>3/24/2009</u>

(This space for State use only)

RECEIVED
MAR 25 2009

CONFIDENTIAL

**Application for Permit to Drill
Request for Permit Extension
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 43-047-39180
Well Name: SU PURDY 4G-27-7-21
Location: 770' FNL 699' FWL, NWNW, SEC. 27, T7S, R21E
Company Permit Issued to: Questar Exploration & Production Co.
Date Original Permit Issued: 4/5/2007

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 right-of-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

3/24/2009
Date

Title: Associate Regulatory Affairs Analyst

Representing: Questar Exploration & Production Co.

RECEIVED

MAR 25 2009

DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-16551
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: JOHNSON BOTTOM
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: SU PURDY 4G-27-7-21
2. NAME OF OPERATOR: QUESTAR EXPLORATION & PRODUCTION CO	9. API NUMBER: 43047391800000
3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, UT, 84078	PHONE NUMBER: 435 781-4362 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0770 FNL 0699 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 27 Township: 07.0S Range: 21.0E Meridian: S	9. FIELD and POOL or WILDCAT: UNDESIGNATED COUNTY: Uintah 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: 2/16/2010	<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 checked="" 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 type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER:

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

Questar Exploration and Production Company proposes to change the well name of the SU Purdy 4G-27-7-21 to JB 4G-27-7-21

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 February 18, 2010

NAME (PLEASE PRINT) Jan Nelson	PHONE NUMBER 435 781-4331	TITLE Permit Agent
SIGNATURE N/A	DATE 2/16/2010	

**Federal Approval of this
Action is Necessary**

API Well No: 43047391800000

<p>STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING</p>	<p align="right">FORM 9</p>
<p>SUNDRY NOTICES AND REPORTS ON WELLS</p> <p>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.</p>	<p>5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-16551</p>
<p>1. TYPE OF WELL Oil Well</p>	<p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</p>
<p>2. NAME OF OPERATOR: QUESTAR EXPLORATION & PRODUCTION CO</p>	<p>7. UNIT or CA AGREEMENT NAME: JOHNSON BOTTOM</p>
<p>3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, UT, 84078</p>	<p>8. WELL NAME and NUMBER: JB 4G-27-7-21</p>
<p>4. LOCATION OF WELL FOOTAGES AT SURFACE: 0770 FNL 0699 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 27 Township: 07.0S Range: 21.0E Meridian: S</p>	<p>9. API NUMBER: 43047391800000</p> <p>9. FIELD and POOL or WILDCAT: UNDESIGNATED</p> <p>COUNTY: UINTAH</p> <p>STATE: UTAH</p>
<p>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</p>	

TYPE OF SUBMISSION	TYPE OF ACTION		
<p><input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 5/31/2010</p> <p><input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:</p> <p><input type="checkbox"/> SPUD REPORT Date of Spud:</p> <p><input type="checkbox"/> DRILLING REPORT Report Date:</p>	<p><input type="checkbox"/> ACIDIZE</p> <p><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</p> <p><input type="checkbox"/> CHANGE WELL STATUS</p> <p><input checked="" type="checkbox"/> DEEPEN</p> <p><input type="checkbox"/> OPERATOR CHANGE</p> <p><input type="checkbox"/> PRODUCTION START OR RESUME</p> <p><input type="checkbox"/> REPERFORATE CURRENT FORMATION</p> <p><input type="checkbox"/> TUBING REPAIR</p> <p><input type="checkbox"/> WATER SHUTOFF</p> <p><input type="checkbox"/> WILDCAT WELL DETERMINATION</p>	<p><input type="checkbox"/> ALTER CASING</p> <p><input type="checkbox"/> CHANGE TUBING</p> <p><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</p> <p><input type="checkbox"/> FRACTURE TREAT</p> <p><input type="checkbox"/> PLUG AND ABANDON</p> <p><input type="checkbox"/> RECLAMATION OF WELL SITE</p> <p><input type="checkbox"/> SIDETRACK TO REPAIR WELL</p> <p><input type="checkbox"/> VENT OR FLARE</p> <p><input type="checkbox"/> SI TA STATUS EXTENSION</p> <p><input type="checkbox"/> OTHER</p>	<p><input type="checkbox"/> CASING REPAIR</p> <p><input type="checkbox"/> CHANGE WELL NAME</p> <p><input type="checkbox"/> CONVERT WELL TYPE</p> <p><input type="checkbox"/> NEW CONSTRUCTION</p> <p><input type="checkbox"/> PLUG BACK</p> <p><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</p> <p><input type="checkbox"/> TEMPORARY ABANDON</p> <p><input type="checkbox"/> WATER DISPOSAL</p> <p><input type="checkbox"/> APD EXTENSION</p> <p>OTHER: </p>

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

This well was originally permitted as a vertical oil well. Questar E & P Company proposes to drill this as a dual lateral horizontal oil well. No additional surface disturbance is needed, therefore, all other conditions of the Original APD will be adhered to. The bottom hole footages are: Lateral 1 2000' FSL 2200' FEL, NWSE Sec. 27, T7S, R21E Lateral 2 2400' FSL 3200' FEL, NESW Sec. 28, T7S, R21E Please refer to attached plans.

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

Date: March 09, 2010

By:

NAME (PLEASE PRINT) Jan Nelson	PHONE NUMBER 435 781-4331	TITLE Permit Agent
SIGNATURE N/A	DATE 3/4/2010	

DRILLING PROGRAM

ONSHORE OIL & GAS ORDER NO. 1
Approval of Operations on Onshore
Federal Oil and Gas Leases

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 & Gas No. 1, and the approved plan of operations. The operator is fully responsible for the actions of its subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

1. **Formation Tops**

The estimated top of important geologic markers are as follows:

SE Lateral #1:

<u>Formation</u>	<u>Depth, TVD</u>	<u>Depth, MD</u>
Green River	3,450'	3,450'
Kick Off Point	6,214'	6,214'
Green River (H4a Lime)	6,571'	6,794'
TD	6,409'	10,000'

WSW Lateral #2:

<u>Formation</u>	<u>Depth, TVD</u>	<u>Depth, MD</u>
Green River	3,450'	3,450'
Kick Off Point	6,210'	6,210'
Green River (H4a Lime)	6,590'	6,807'
TD	6,590'	10,850'

2. **Anticipated Depths of Oil, Gas, Water, and Other Mineral Bearing Zones**

The estimated depths at which the top and bottom of the anticipated water, oil, gas, or other mineral bearing formations are expected to be encountered as follows:

SE Lateral #1:

<u>Substance</u>	<u>Formation</u>	<u>Depth, TVD</u>	<u>Depth, MD</u>
Oil/Gas	Green River (H4a Lime)	6,571' - 6,794'	6,794' - 10,000'

WSW Lateral #2:

<u>Substance</u>	<u>Formation</u>	<u>Depth, TVD</u>	<u>Depth, MD</u>
Oil/Gas	Green River (H4a Lime)	6,590'	6,807' - 10,850'

All fresh water and prospectively valuable minerals encountered during drilling will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

All water shows and water-bearing sands will be reported to the BLM in Vernal, Utah. Copies of State of Utah form OGC-8-X are acceptable. If flows are detected, samples will be submitted to the BLM along with any water analyses conducted. Fresh water will be obtained from Wonsits Valley water right A36125 (which was filed on May 7, 1964) or Red Wash water right # 49-2153 (which was filed on March 25, 1960). It was determined by the Fish and Wildlife Service that any water right number filed before 1989 is not depleting to the Upper Colorado River System, to supply fresh water for drilling purposes. All water resulting from drilling operations will be disposed of at Red Wash Central Battery Disposal site; SWSE, Section 27, T7S, R23E or Wonsits Valley Disposal Site; SWNW, Section 12, T8S, R21E.

3. Operator's Specification for Pressure Control Equipment

- A. 3,000 psi double gate, 3,000 psi annular (schematic attached)
- B. Function test daily.
- C. All casing strings shall be pressure tested (0.22 psi/ft or 1,500 psi, whichever is greater) prior to drilling the plug after cementing; test pressure shall not exceed the internal yield of the casing.
- D. Ram type preventers and associated equipment shall be tested to rated working pressure if isolated by a test plug or to 50% of the internal yield pressure of casing, whichever is less. BOP and related equipment shall meet the minimum requirements of Onshore Oil & Gas Order No. 2 for equipment and testing requirements, procedures, etc..., for a 3M system and individual components shall be operable as designed.

4. Casing Program

Hole Size	Casing Size	Top, MD	Bottom, MD	Weight, lb/ft	Grade	Thread	Condition
17 1/2"	14"	sfc	40'	Steel	Cond.	None	Used
12 1/4"	9 5/8"	sfc	480'	36.0	J-55	STC	New
8 3/4"	7"	sfc	6,800'	26.0	N-80	LTC	New

Casing Strengths:				Collapse	Burst	Tensile (minimum)
9 5/8"	36.0 lb.	J-55	STC	2,020 psi	3,520 psi	394,000 lb.
7"	26.0 lb.	N-80	LTC	5,410 psi	7,240 psi	519,000 lb.

RECEIVED March 04, 2010

The lateral portion of Lateral #1 will be left open hole. The lateral portion of lateral #2 will be lined with a slotted liner.

SE Lateral #1:

Hole Size	Casing Size	Top,MD	Bottom, MD	Weight	Grade
6 1/8"	Open Hole				

WSW Lateral #2:

Hole Size	Casing Size	Top,MD	Bottom, MD	Weight	Grade
6 1/8"	4 1/2"	6,220'	10,850'	11.6	N-80

Please refer to the attached wellbore diagram and re-entry procedure for further details.

5. **Cementing Program**

20" Conductor:

Cement to surface with construction cement.

9-5/8" Surface Casing: sfc – 480' (MD)

Lead/Tail Slurry: 0' – 480'. 170 sks (310 cu ft) Rockies LT cement + 0.25 lb/sk Kwik Seal + 0.125 lb/sk Poly-E-Flake. Slurry wt: 13.5 ppg, Slurry yield: 1.81 ft³/sk, Slurry volume: 12-1/4" hole + 100% excess.

7" Intermediate Casing: 400' – 6,800' (MD)

Lead/Tail Slurry: 400' – 6,800'. 776 sks (963 cu ft) 50/50 Poz Premium + 0.6% Halad (R)-322 fluid loss + 2.0% Microbond M expander + 5% salt + 0.125 lb/sk Poly-E-Flake. Slurry wt: 14.35 ppg, Slurry yield: 1.24 ft³/sk, Slurry volume: 8-3/4" hole + 30% excess.

SE Lateral #1:

No cement, or liner.

WSW Lateral #2: 4-1/2" Slotted & Blank Liner: 6,220' – 10,850' (MD)

No cement, dropped in open hole.

6. **Auxilliary Equipment**

- a. Kelly Cock – Yes
- b. Float at the bit – No
- c. Monitoring equipment on the mud system – visually and/or PVT or Flow Show
- d. Fully opening safety valve on the rig floor – Yes

- e. Rotating Head – Yes

Drilling the surface hole with air:

A variance from 43 CFR 3160 Onshore Oil and Gas Order #2, Section III requirements, subsection E Special Drilling Operations is requested for the specific operation of drilling and setting surface casing on the subject well with a truck mounted air rig. The variance from the following requirements of Order #2 is requested because surface casing depth for this well is less than 500 feet and high pressures are not expected.

1. **Properly lubricated and maintained rotating head** – A diverter system in place of a rotating head. The diverter system forces the air and cutting returns to the reserve pit and is used to drill the surface casing.
2. **Blooiie line discharge 100 feet from wellbore and securely anchored** – the blooiie line discharge for this operation will be located 50 to 70 feet from the wellhead. This reduced length is necessary due to the smaller location size to minimize surface disturbance.
3. **Automatic igniter or continuous pilot light on blooiie line** – a diffuser will be used rather than an automatic pilot/igniter. Water is injected into the compressed air and eliminates the need for a pilot light and the need for dust suppression equipment.
4. **Compressors located in the opposite direction from the blooiie line a minimum of 100 feet from the wellbore** – compressors located within 50 feet on the opposite side of the wellbore from the blooiie line and is equipped with a 1) emergency kill switch on the driller's console, 2) pressure relief valves on the compressors, 3) spark arrestors on the motors.
5. **Kill Fluid to control well** – In lieu of having mud products on location to kill the well for an unanticipated kick, Questar will kill the well with water contained in a 400 bbl tank on site. The 400 bbl water tank will also be storage for surface casing cement water.
6. **Deflector on the end of the blooiie line** – Questar will mount a deflector unit at the end of the blooiie line for the purpose of changing the direction and velocity of the air and cuttings flow into the reserve pit. Changing the velocity and direction of the cuttings and air will preserve the pit liner. In the event the deflector washes out due to erosion caused by the sand blasting effect of the cuttings, there will be no problem because the deflector is mounted on the very end of the blooiie. A washed out deflector will be easily replaced.
7. **Flare Pit** – there will be no need of a flare pit during the surface hole air drilling operation because the blooiie line is routed directly to the reserve pit. When the big rig arrives for the main drilling after setting surface casing, a flare box will be installed and all flare lines will be routed to the flare box.

Drilling of the laterals will be done with fresh water NaCl based mud systems consisting primarily of fresh water, bentonite, lignite, caustic, lime, soda ash, polymers, and NaCl. No chromates will be used. It is not intended to use oil in the mud, however, in the event it is used the concentration will be less than 4% by volume. Maximum anticipated mud weight is 10.0 ppg.

No minimum quantity of weight material will be required to be kept on location.

PVT/Flow show will be used upon exit of surface casing to TD.

Gas detector will be used upon exit of surface casing to TD.

7. **Testing, Logging, and Coring Program**

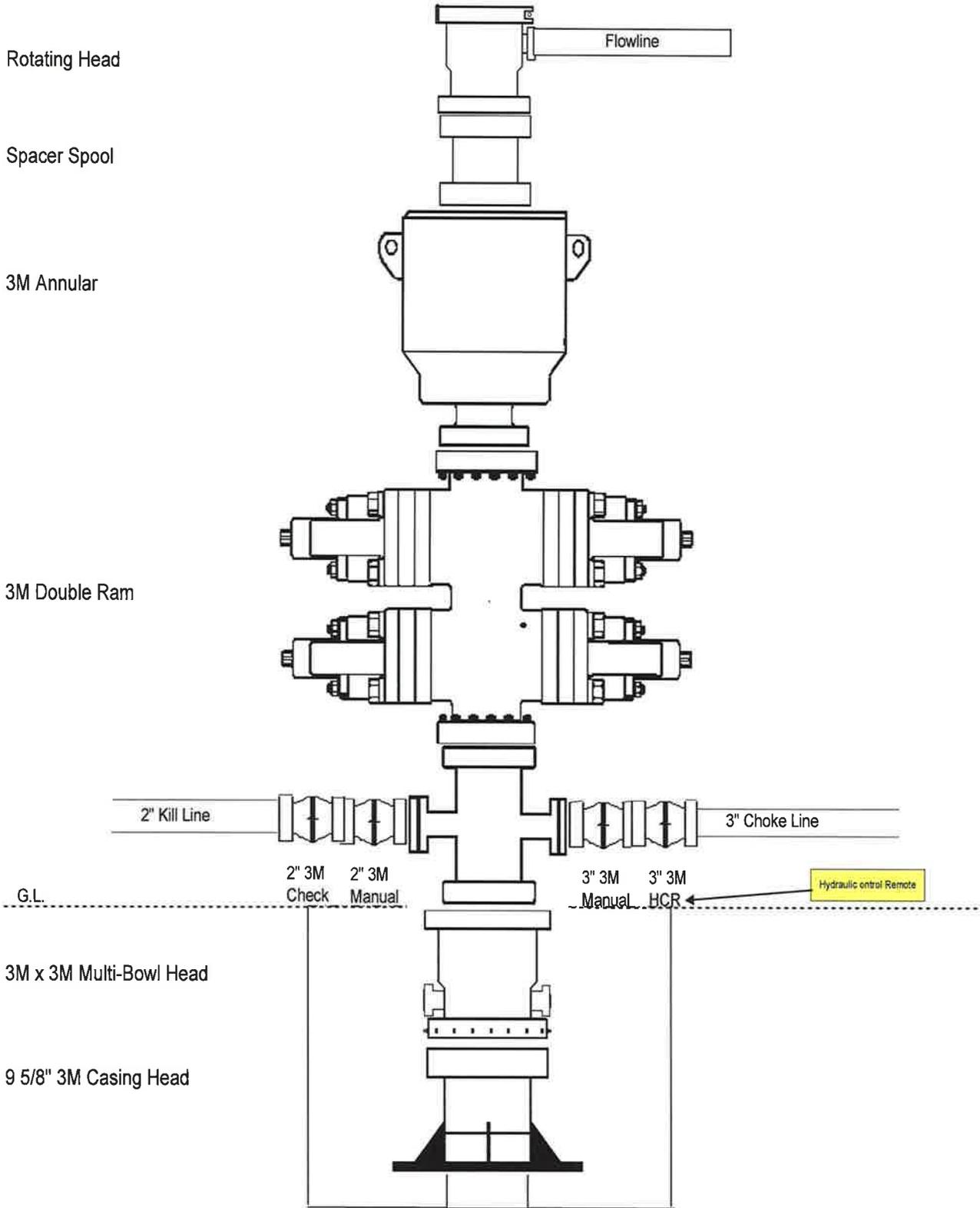
- a. Cores – None Anticipated
- b. DST – None Anticipated
- c. Logging:
 - i. Mud logging from casing exit to TD
 - ii. MWD-GR will be utilized during drilling operations to aid in landing the curve and maintaining the laterals within the desired zone.
- d. Formation and completion interval: G1 Lime interval, final determination of completion will be made by analysis of mud logging data. Stimulation: stimulation will be designed for the particular area of interest encountered.

8. **Anticipated Abnormal Pressures and Temperatures, Other Potential Hazards**

No abnormal temperatures or pressures are anticipated. No H₂S has been encountered or is known to exist from previous wells drilled to similar depths in the general area. Maximum anticipated bottom-hole pressure equals approximately 3,500 psi. Maximum anticipated bottom hole temperature is approximately 150°F.

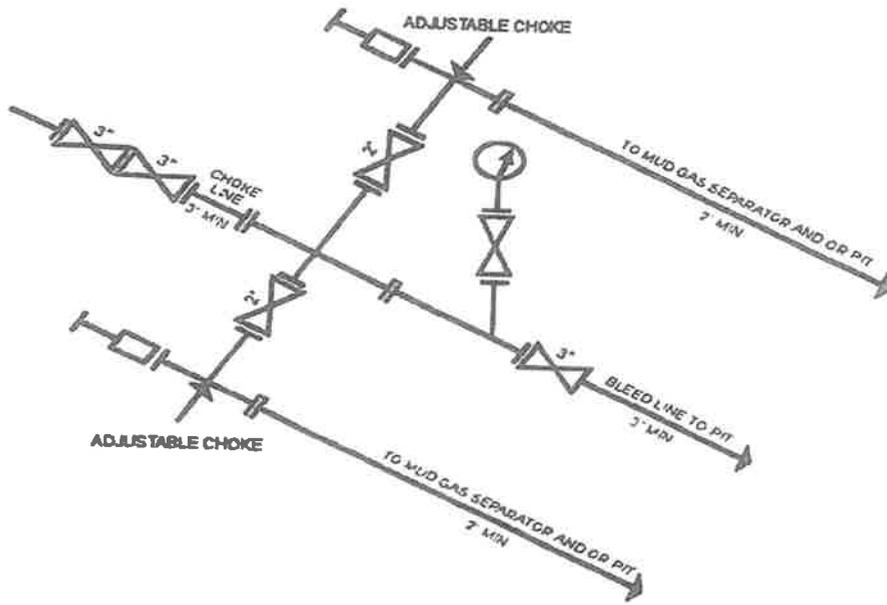
DRILLING PROGRAM

3M BOP STACK



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DRILLING PROGRAM



3M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY
[54 FR 39528, Sept. 27, 1989]

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JB 4G-27-7-21

Updated 2-22-10 C.J.L.

API # 43-047-39180

Proposed WBD

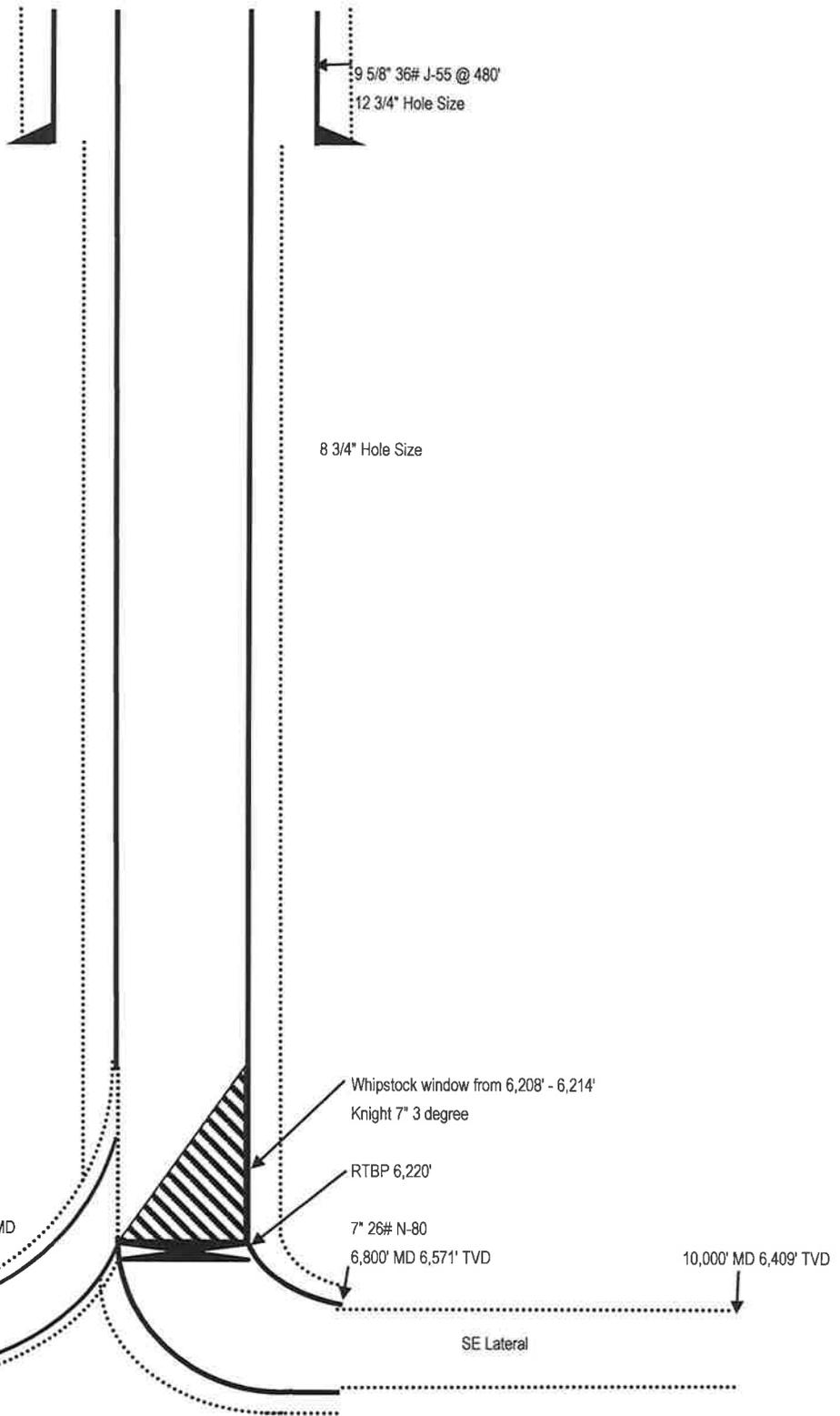
Uinta Basin

Sec 27-T7S-R21E, UINTAH CO, UT

KB 4,955'

GL 4,941'

NOTE: NOT TO SCALE



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4 1/2" 11.6# N-80 LTC
10,850' MD 6,590' TVD

Enter H4a 6,807' MD
6,590' TVD

Whipstock window from 6,208' - 6,214'
Knight 7" 3 degree

RTBP 6,220'

7" 26# N-80
6,800' MD 6,571' TVD

10,000' MD 6,409' TVD

4 1/2" blank & slotted liner, WSW lateral

SE Lateral

Perforated 4 1/2" 11.6# N-80 LTC 2,000'

Blank 4 1/2" 11.6# N-80 LTC 2,600'

QUESTAR EXPLORATION AND PRODUCTION

JB 4G-27-7-21

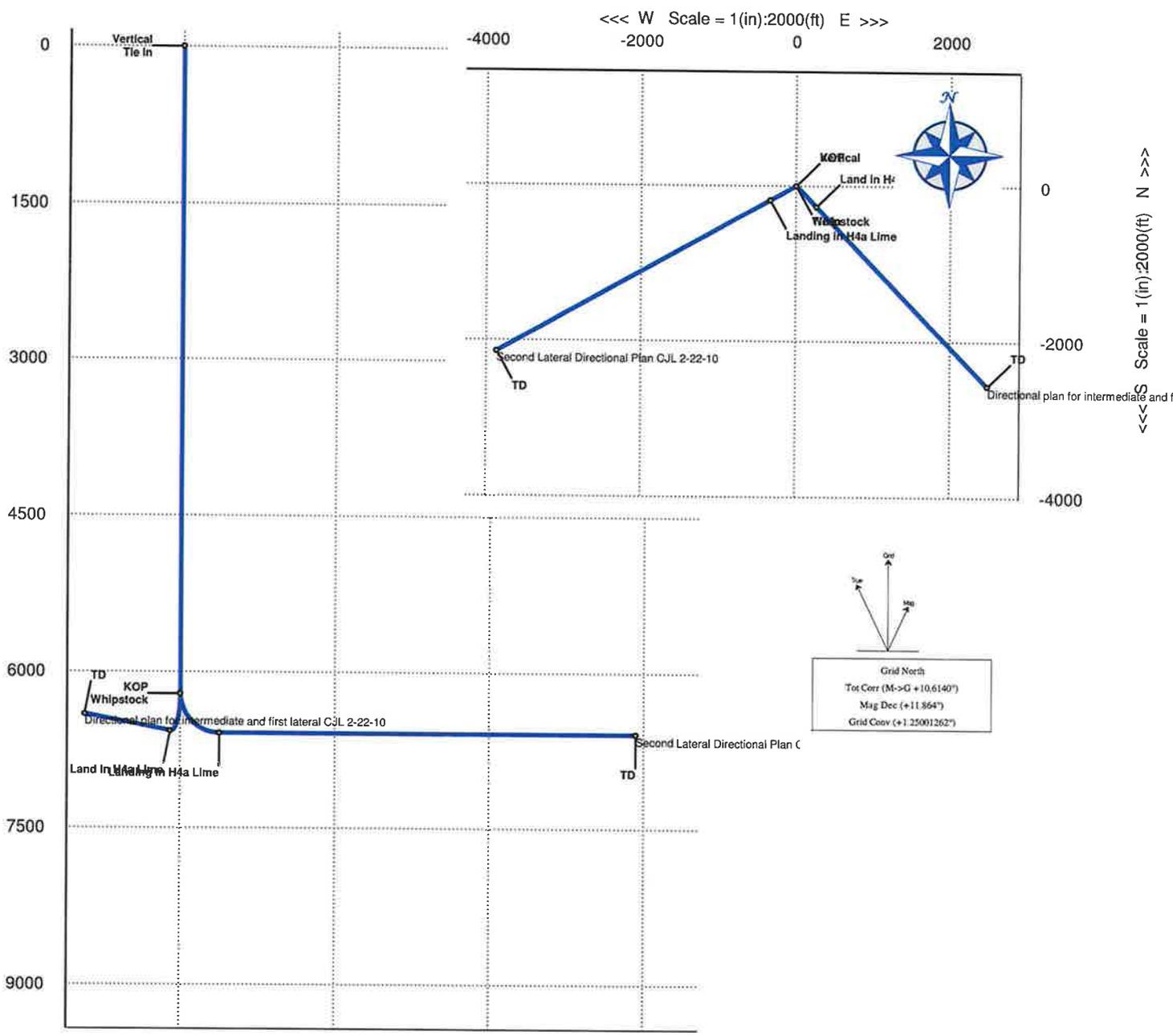
New Dual Horizontal Well

Summarized Procedure for BLM

1. MIRU air rig.
2. Drill 12 1/4" surface hole to 480'±.
3. Run 9 5/8", 36#, J-55, STC casing and cement to surface.
4. RD air rig, move off location.
5. MIRU drilling rig.
6. NU rig's 3,000 WP rated BOP. Test BOP's and surface casing.
7. PU straight hole BHA, drill out surface casing and 10' of new formation, run FIT.
8. Drill 8 3/4" hole to 6,200'.
9. TOOH, PU directional BHA, TIH.
10. Drill to 6,214', kick off and drill well at a 136° azimuth with 16°/100' build rates to land in H4a Lime formation at a TVD of +/- 6,571', 6,794' MD.
11. Drill in zone to 6,800' MD. TOOH, LDDP.
12. PU and run 7", 26#, N-80, LTC casing to 6,800', cement casing.
13. PU 4" DP, directional BHA, TIH.
14. Drill +/- 3,200' of lateral in H4a Lime.
 - a. Mud system to be water based mud, weights are expected to be in the 8.5 – 9.0 ppg range.
15. RU wireline, run GR to 6,250', run RBP, set @ 6,220'.
16. Run & set 7" whipstock on bridge plug @ 6,220', oriented at 241° azimuth, mill window in 7" casing 6,208' – 6,214' and pilot hole. TOOH.
17. PU directional BHA, TIH, kick off and drill well at a 241° azimuth with 15°/100' build rates to land in H4a Lime formation at a TVD of +/- 6,590', 6,807' MD.
18. Drill +/- 4,043' of lateral in H4a Lime.
 - a. Mud system to be water based mud, weights are expected to be in the 8.5 – 9.0 ppg range.
19. Circulate and condition hole, TOOH, LD 4,600' DP.
 - a. PU 4,000' of 4-1/2" alternating slotted and blank liner, 590' of blank liner and liner dropping tool.
 - b. RIH w/ liner and dropping tool, drop liner at 6,220', just outside window.
 - c. TOOH laying down DP.
20. RU wireline, RIH and set RBP @ +/- 5,000' to isolate laterals.
21. ND BOP's.
22. RDMOL.

WELL JB 4G-27-7-21	FIELD Uinta	STRUCTURE Johnson Bottom
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Magnetic Parameters Model: IGRF 2005 Dip: 66.165° Mag Dec: +11.864°	Date: February 22, 2010 FSI: 59015.9 nT	Surface Location Lat: N40 11 12.980 Lon: W109 32 55.030	NAD83 Utah State Plane, Central Zone, US Feet Northing: 7242764.50 RUS Easting: 2185539.42 RUS Grid Conv: +1.25001262° Scale Fact: 0.9999170447	Miscellaneous Sic: JB 4G-27-7-21 Plan: Second Lateral Directional Plan C.J.L. 2-22-10 TVD Ref: KB (4955.00 ft above MSL) Date: February 22, 2010
--	--	---	---	--



RECEIVED
March 04, 2010

Target Name	Shape	Major Axis	N(e)/S(w)	E(e)/W(w)	TVD	YSEC	N(e)/S(w)	E(e)/W(w)
Tie In	0.00	0.00	241.00	0.00	0.00	0.00	0.00	0.00
Whipstock	6210.00	0.00	241.00	6210.00	0.00	0.00	0.00	0.00
Landing in H4a Lime	6806.90	90.00	241.00	6590.00	380.00	-184.23	-332.36	15.08
TD	10850.00	90.00	241.00	6590.00	4423.10	-2144.36	-3868.53	0.00

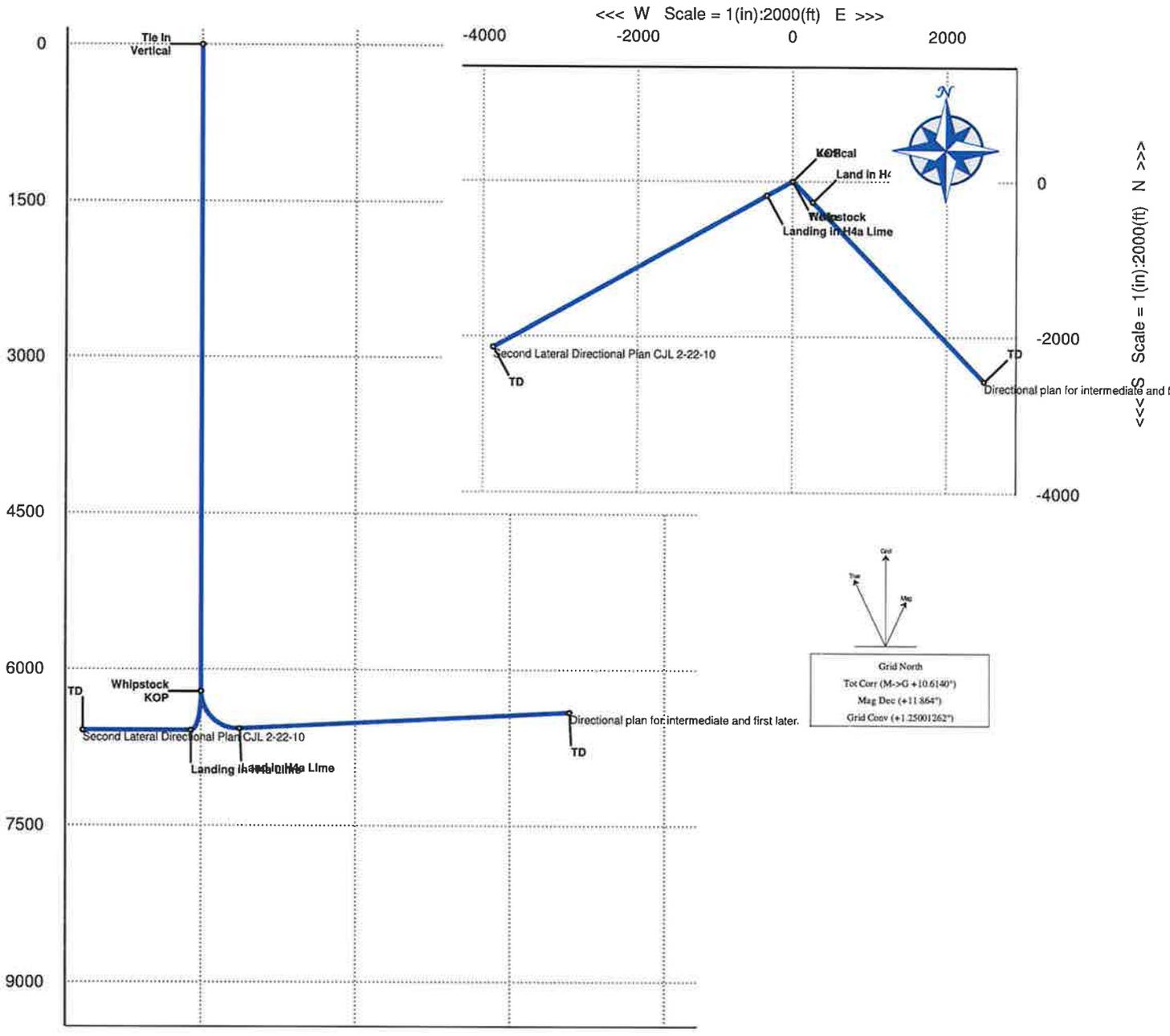
Legend

- Second Lateral Directional Plan C.J.L. 2-
- Directional plan for intermediate and tie

Quality Control
 Date Drawn: Mon 01:40 PM February 22, 2010
 Drawn by: Current User
 Checked by:
 Client OK:

WELL JB 4G-27-7-21	FIELD Uinta	STRUCTURE Johnson Bottom
Magnetic Parameters Model: IGRF 2005 Dip: 66.165° Mag Dec: +11.864°	Date: February 22, 2010 FS: 53015.9 nT	Surface Location Lat: N40 11 12.980 Lon: W109 32 55.030 NAD83 Utah State Plane, Central Zone, US Feet Northing: 7242764.50 ft US Easting: 2185539.42 ft US Grid Coord: +1.25001262° Scale Fact: 0.9999176447
Miscellaneous Sht: JB 4G-27-7-21 Plan: Directional plan for intermediate and first lateral	TVD Ref: KB (4955.00 ft above MSL) Date: February 22, 2010	

RECEIVED March 04, 2010



Vertical Section (ft) Azim = 136°, Scale = 1(in):1500(ft) Origin = 0 N/-S, 0 E/-W

Surface Location
Northing: 7242764.50 ft Easting: 2185539.42 ft

Target Name	Shape	Major Axis	N(+)/S(-)	E(+)/W(-)	TVD	YSec	N(+)/S(-)	E(+)/W(-)
Vertical		0.00	0.00	136.00	0.00	0.00	0.00	0.00
KOP		6214.00	0.00	136.00	6214.00	0.00	0.00	0.00
Land in H4a Lime		6793.59	92.90	136.00	6571.00	375.54	-270.14	260.87
TD		10000.00	92.90	136.00	6408.78	3577.85	-2573.69	2485.38

Legend

- Directional plan for intermediate and first lateral
- Second Lateral Directional Plan CJL 2

Quality Control
Date Drawn: Mon 11:17 AM February 22, 2010
Drawn by: Cimnt User
Checked by:
Client OK:

QUESTAR EXPLR. & PROD.

JB #4G-27-7-21

LOCATED IN UTAH COUNTY, UTAH
SECTION 27, T7S, R21E, S.L.B.&M.



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHWESTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHWESTERLY



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

LOCATION PHOTOS	02	19	07	PHOTO
	MONTH	DAY	YEAR	
TAKEN BY: G.O.	DRAWN BY: L.K.	REV: 02-18-10 P.M.		

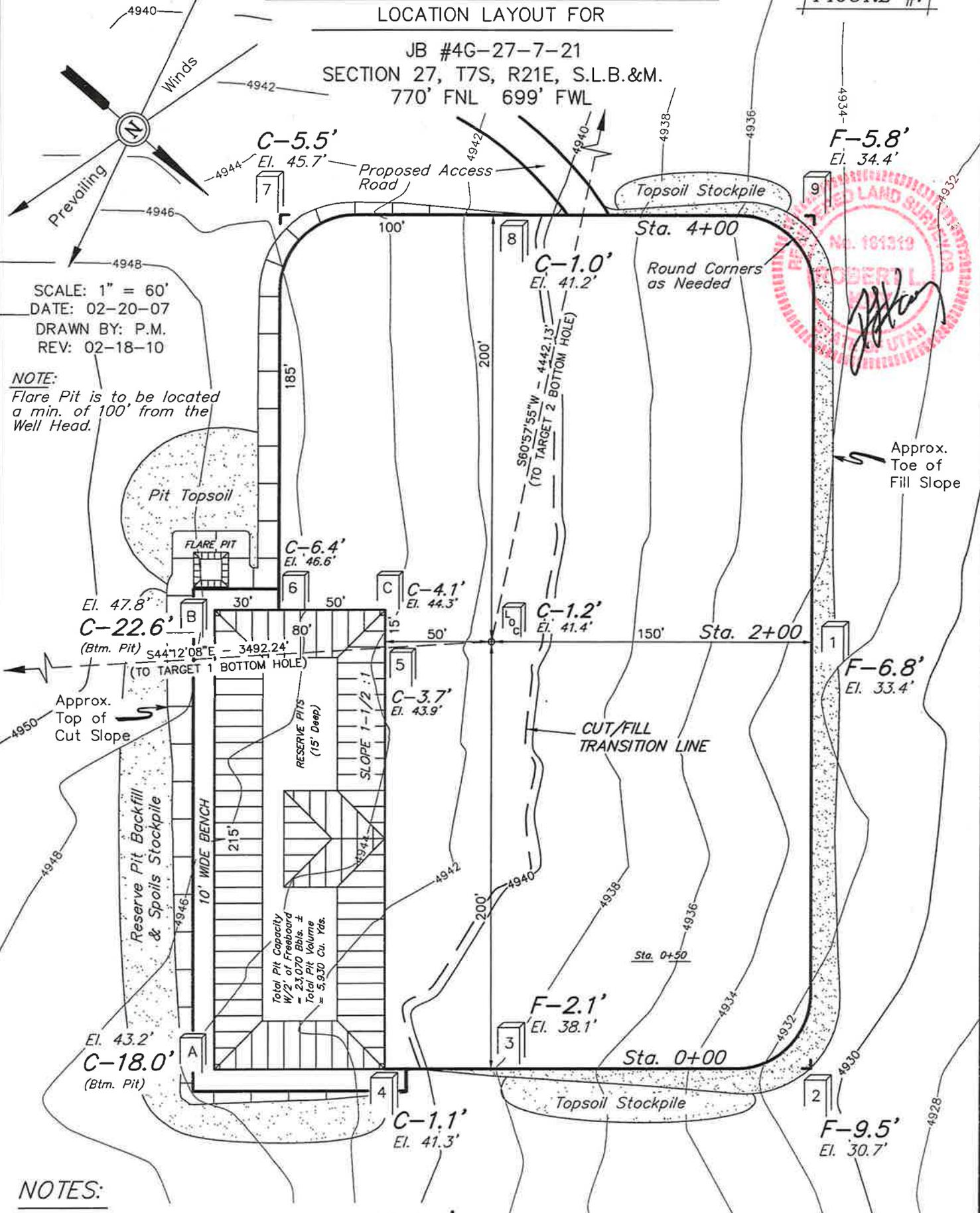
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QUESTAR EXPLR. & PROD.

FIGURE #1

LOCATION LAYOUT FOR

JB #4G-27-7-21
SECTION 27, T7S, R21E, S.L.B.&M.
770' FNL 699' FWL



SCALE: 1" = 60'
DATE: 02-20-07
DRAWN BY: P.M.
REV: 02-18-10

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

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NOTES:

Elev. Ungraded Ground At Loc. Stake = 4941.4'
FINISHED GRADE ELEV. AT LOC. STAKE = 4940.2'

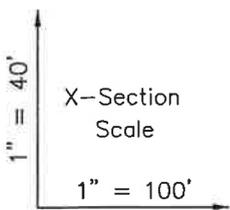
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QUESTAR EXPLR. & PROD.

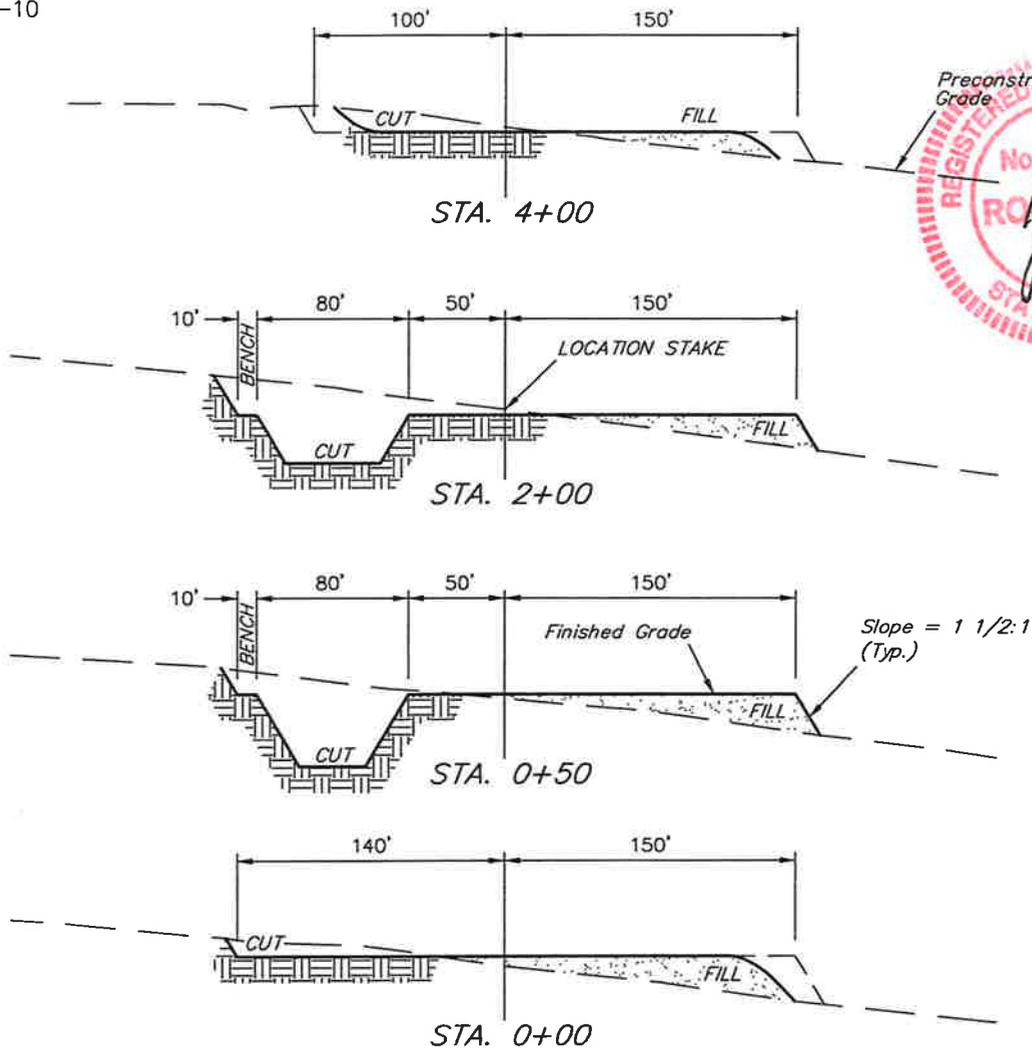
FIGURE #2

TYPICAL CROSS SECTIONS FOR

JB #4G-27-7-21
SECTION 27, T7S, R21E, S.L.B.&M.
770' FNL 699' FWL



DATE: 02-20-07
DRAWN BY: P.M.
REV: 02-18-10



APPROXIMATE ACREAGES

WELL SITE DISTURBANCE = ± 3.104 ACRES
ACCESS ROAD DISTURBANCE = ± 0.364 ACRES
PIPELINE DISTURBANCE = ± 4.945 ACRES
TOTAL = ± 8.413 ACRES

* NOTE:
FILL QUANTITY INCLUDES
5% FOR COMPACTION

NOTE:

Topsoil should not be Stripped Below Finished Grade on Substructure Area.

APPROXIMATE YARDAGES

CUT
(6") Topsoil Stripping = 2,320 Cu. Yds.
Remaining Location = 12,080 Cu. Yds.
TOTAL CUT = 14,400 CU.YDS.
FILL = 9,110 CU.YDS.

EXCESS MATERIAL = 5,290 Cu. Yds.
Topsoil & Pit Backfill = 5,290 Cu. Yds.
(1/2 Pit Vol.)
EXCESS UNBALANCE = 0 Cu. Yds.
(After Interim Rehabilitation)

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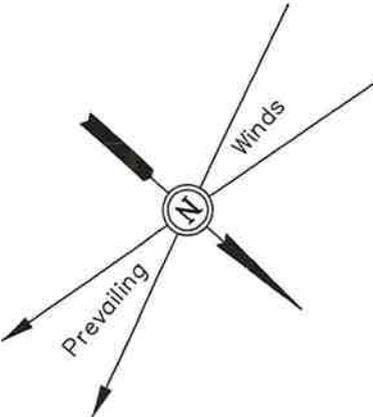
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QUESTAR EXPLR. & PROD.

FIGURE #3

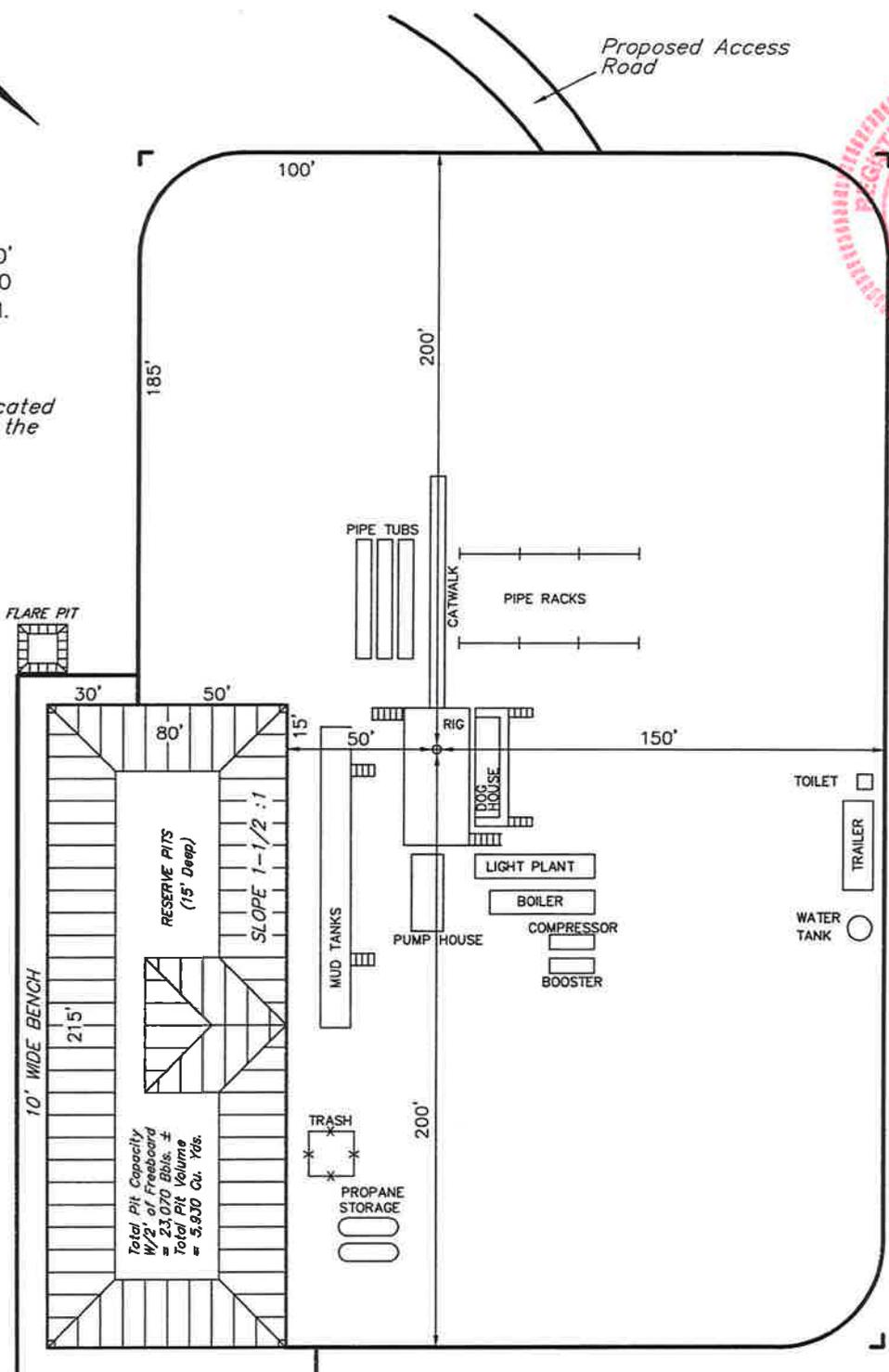
TYPICAL RIG LAYOUT FOR

JB #4G-27-7-21
SECTION 27, T7S, R21E, S.L.B.&M.
770' FNL 699' FWL



SCALE: 1" = 60'
DATE: 02-18-10
DRAWN BY: P.M.

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



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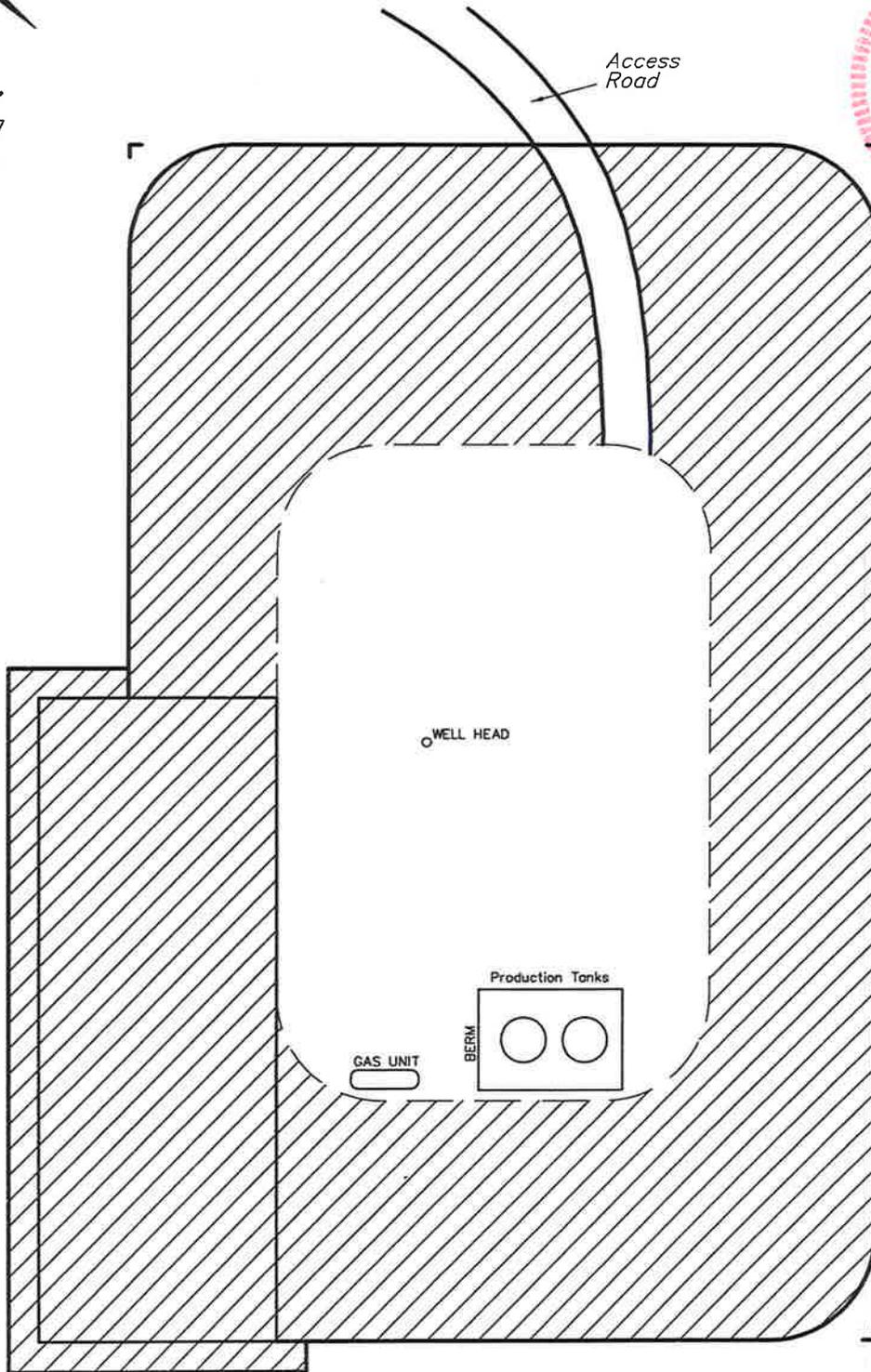
QUESTAR EXPLR. & PROD.
INTERIM RECLAMATION PLAN FOR

FIGURE #4

JB #4G-27-7-21
SECTION 27, T7S, R21E, S.L.B.&M.
770' FNL 699' FWL



SCALE: 1" = 60'
DATE: 02-20-07
DRAWN BY: P.M.
REV: 02-18-10

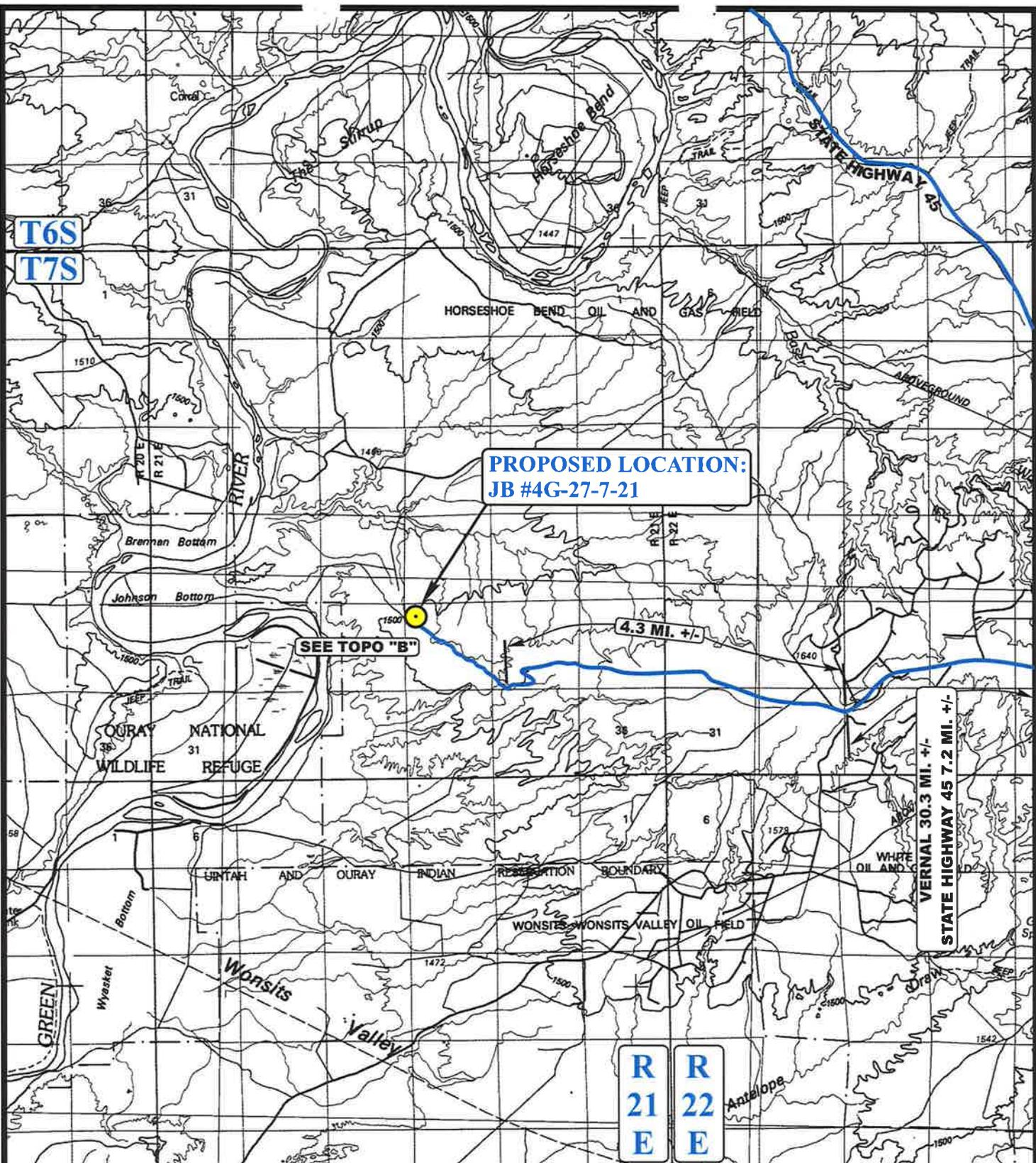


 INTERIM RECLAMATION

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85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

RECEIVED March 04, 2010

RECEIVED March 04, 2010



LEGEND:

PROPOSED LOCATION

QUESTAR EXPLR. & PROD.

JB #4G-27-7-21
SECTION 27, T7S, R21E, S.L.B.&M.
770' FNL 699' FWL

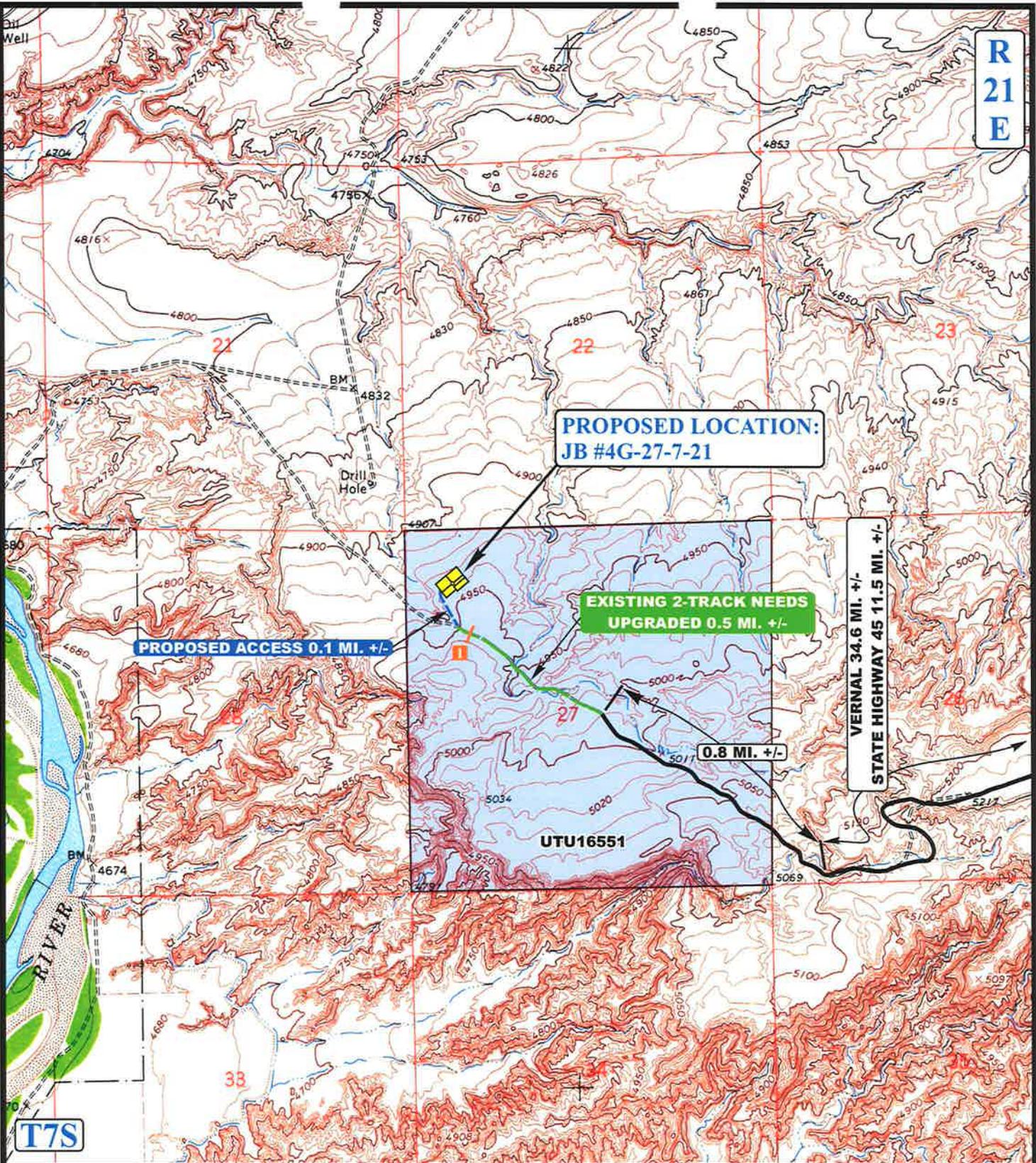
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TOPOGRAPHIC MAP 02 19 07
MONTH DAY YEAR
SCALE: 1:100,000 DRAWN BY: L.K. REV: 02-18-10 P.M.



RECEIVED March 04, 2010



LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING ROAD
- CATTLE GUARD REQUIRED

QUESTAR EXPLR. & PROD.

JB #4G-27-7-21
 SECTION 27, T7S, R21E, S.L.B.&M.
 770' FNL 699' FWL

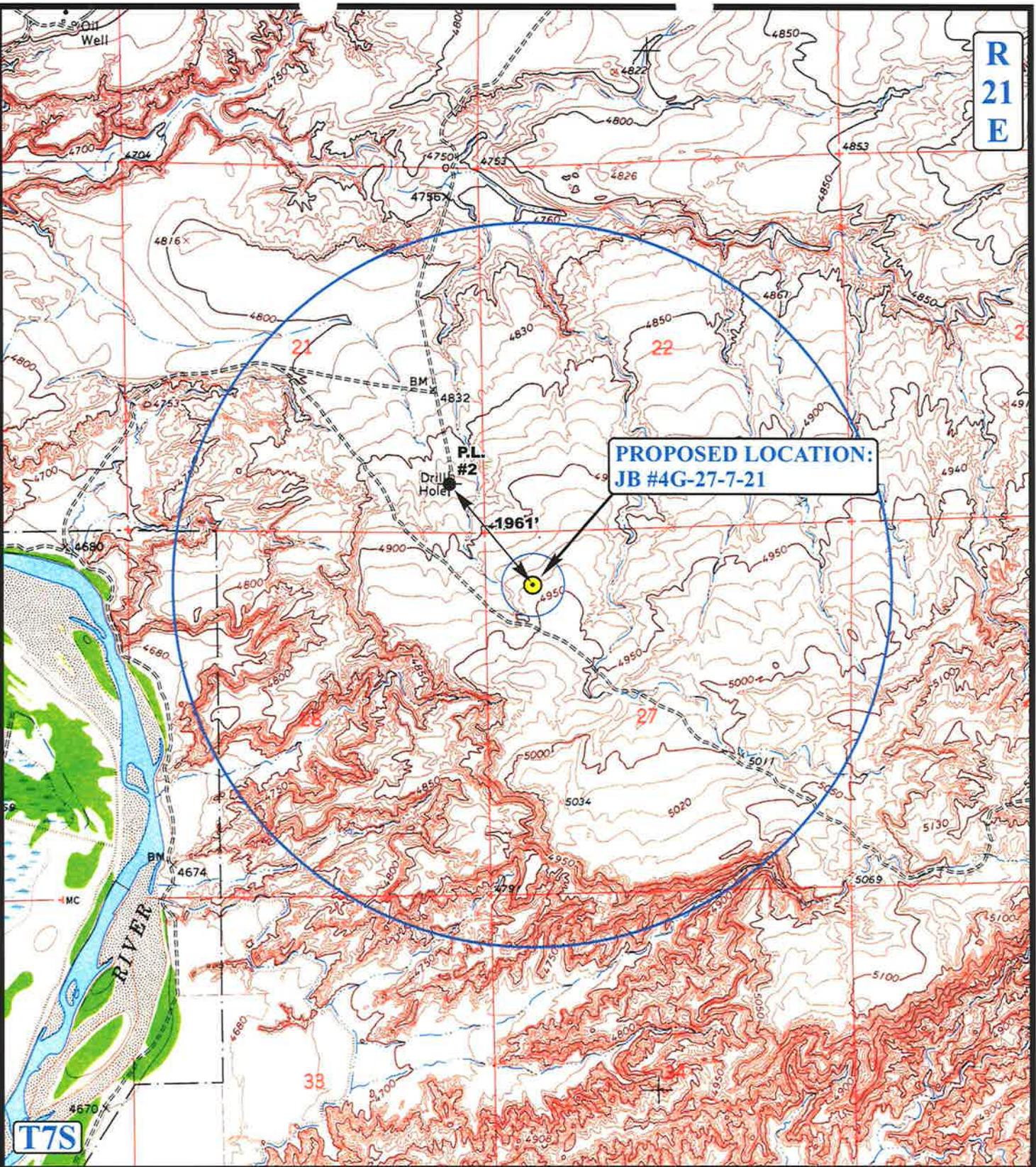
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TOPOGRAPHIC MAP 02 19 07
 MONTH DAY YEAR
 SCALE: 1" = 2000' DRAWN BY: L.K. REV: 02-18-10 P.M.

B
 TOPO

R
21
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RECEIVED March 04, 2010

LEGEND:

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

QUESTAR EXPLR. & PROD.

JB #4G-27-7-21
 SECTION 27, T7S, R21E, S.L.B.&M.
 770' FNL 699' FWL



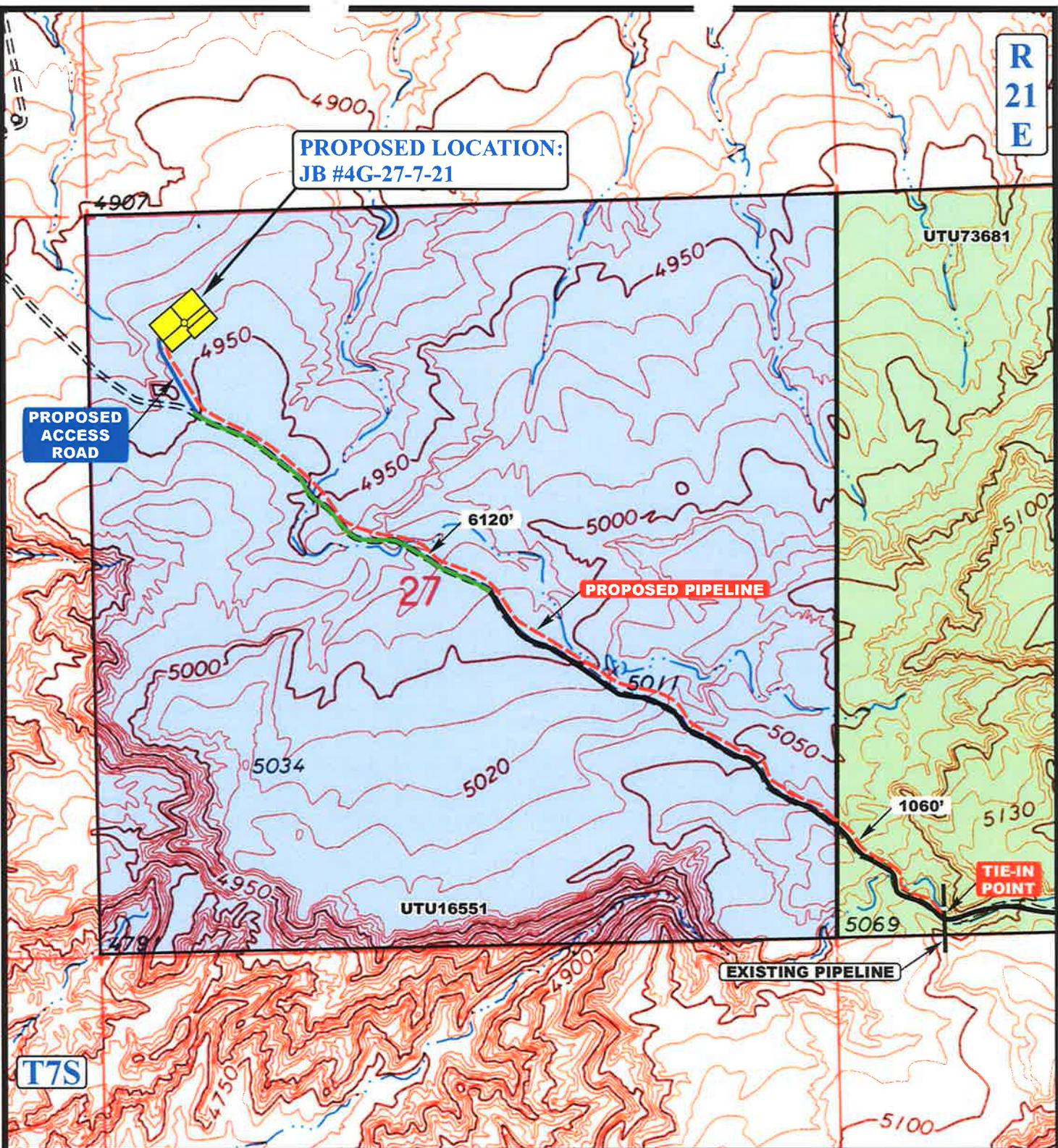
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TOPOGRAPHIC MAP 02 19 07
MONTH DAY YEAR
 SCALE: 1" = 2000' DRAWN BY: L.K. REV: 02-18-10 P.M.



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APPROXIMATE TOTAL PIPELINE DISTANCE = 7,180' +/-

LEGEND:

-  PROPOSED ACCESS ROAD
-  EXISTING PIPELINE
-  PROPOSED PIPELINE
-  PROPOSED PIPELINE (SERVICING OTHER WELLS)

QUESTAR EXPLR. & PROD.

JB #4G-27-7-21
 SECTION 27, T7S, R21E, S.L.B.&M.
 770' FNL 699' FWL



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TOPOGRAPHIC MAP 02 19 07
 MONTH DAY YEAR
 SCALE: 1" = 1000' DRAWN BY: L.K. REV: 02-18-10 P.M.



T7S, R21E, S.L.B.&M.

QUESTAR EXPLR. & PROD.

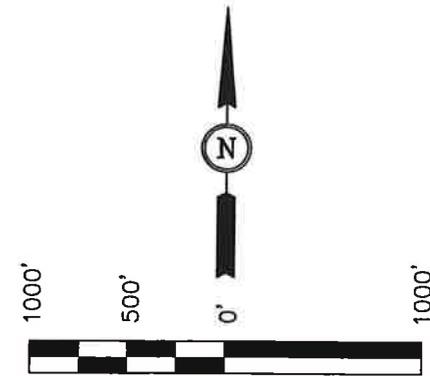
Well location, JB #4G-27-7-21, located as shown in the NW 1/4 NW 1/4 of Section 27, T7S, R21E, S.L.B.&M., Uintah County, Utah

BASIS OF ELEVATION

BENCH MARK (20 EAM) LOCATED IN THE SE 1/4 OF SECTION 35, T8S, R21E, S.L.B.&M., TAKEN FROM THE OURAY SE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4697 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



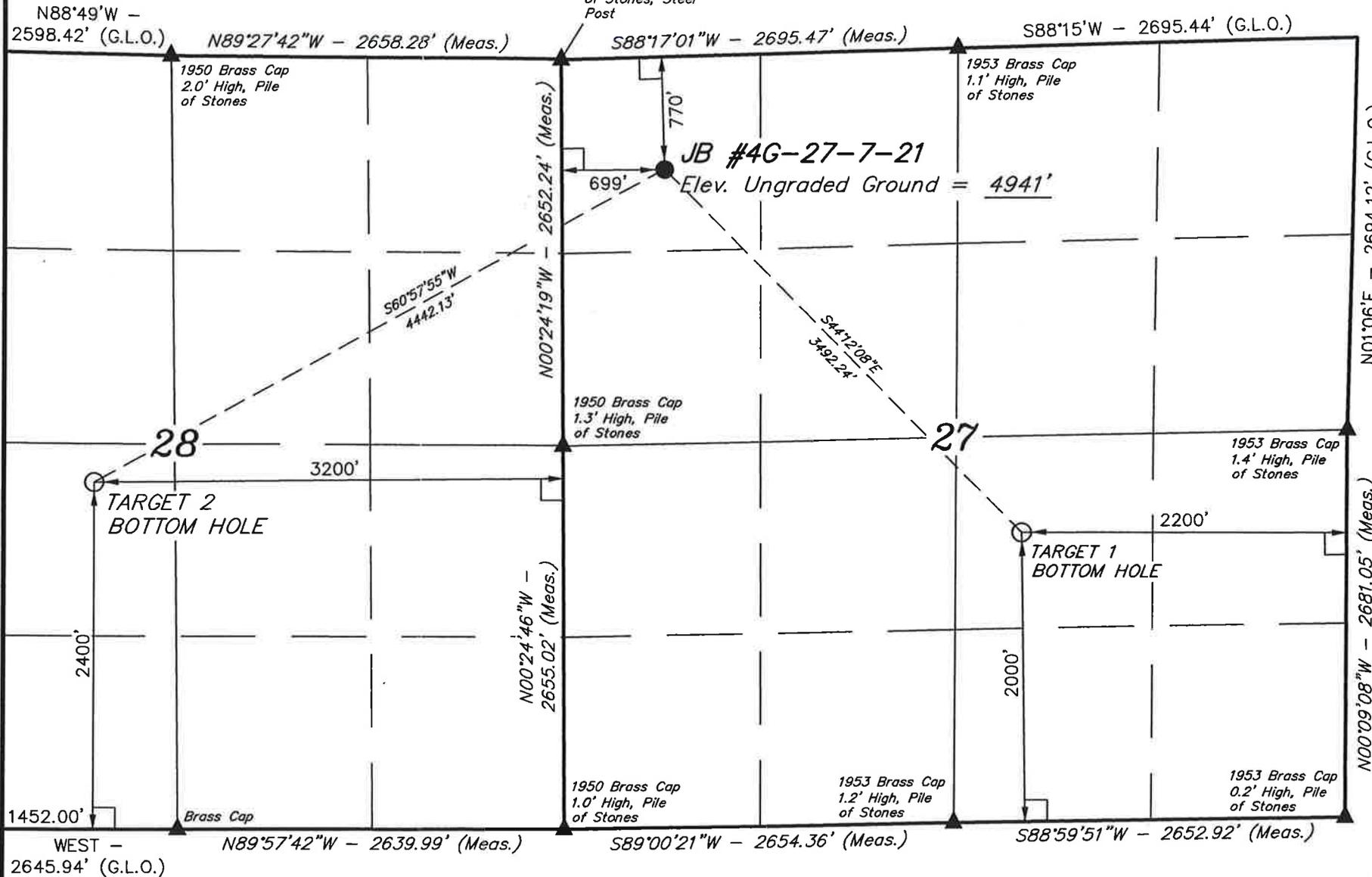
SCALE
CERTIFICATE

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.

Richard A. King
REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

REVISED: 02-18-10
REVISED: 09-19-07

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



LEGEND:

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

NAD 83 (TARGET 2 BOTTOM HOLE) LATITUDE = 40°10'51.65" (40.181014) LONGITUDE = 109°33'45.04" (109.562511)	NAD 83 (TARGET 1 BOTTOM HOLE) LATITUDE = 40°10'48.26" (40.180072) LONGITUDE = 109°32'23.65" (109.539903)	NAD 83 (SURFACE LOCATION) LATITUDE = 40°11'12.98" (40.186939) LONGITUDE = 109°32'55.03" (109.548619)
NAD 27 (TARGET 2 BOTTOM HOLE) LATITUDE = 40°10'51.78" (40.181050) LONGITUDE = 109°33'42.55" (109.561819)	NAD 27 (TARGET 1 BOTTOM HOLE) LATITUDE = 40°10'48.39" (40.180108) LONGITUDE = 109°32'21.17" (109.539214)	NAD 27 (SURFACE LOCATION) LATITUDE = 40°11'13.11" (40.186975) LONGITUDE = 109°32'52.54" (109.547928)

SCALE 1" = 1000'	DATE SURVEYED: 02-15-07	DATE DRAWN: 02-20-07
PARTY G.O. T.P. P.M.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE QUESTAR EXPLR. & PROD.	

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING
 CDW

Change of Operator (Well Sold)

X - Operator Name Change

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

6/14/2010

FROM: (Old Operator): N5085-Questar Exploration and Production Company 1050 17th St, Suite 500 Denver, CO 80265 Phone: 1 (303) 308-3048	TO: (New Operator): N3700-QEP Energy Company 1050 17th St, Suite 500 Denver, CO 80265 Phone: 1 (303) 308-3048
--	---

WELL NAME		CA No.	Unit:	JOHNSON BOTTOM			
SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED							

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/28/2010
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/28/2010
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/24/2010
- Is the new operator registered in the State of Utah: Business Number: 764611-0143
- (R649-9-2)Waste Management Plan has been received on: Requested
- Inspections of LA PA state/fee well sites complete on: n/a
- Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 8/16/2010 BIA not yet
- Federal and Indian Units:**
 The BLM or BIA has approved the successor of unit operator for wells listed on: 8/16/2010
- Federal and Indian Communization Agreements ("CA"):**
 The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** 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: 6/29/2010

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 6/30/2010
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 6/30/2010
- Bond information entered in RBDMS on: 6/30/2010
- Fee/State wells attached to bond in RBDMS on: 6/30/2010
- Injection Projects to new operator in RBDMS on: 6/30/2010
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: ESB000024
- Indian well(s) covered by Bond Number: 965010693
- (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 965010695
- The **FORMER** operator has requested a release of liability from their bond on: n/a

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS:

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: See attached
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: See attached
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		7. UNIT or CA AGREEMENT NAME: See attached
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		8. WELL NAME and NUMBER: See attached
2. NAME OF OPERATOR: Questar Exploration and Production Company <i>N5085</i>		9. API NUMBER: Attached
3. ADDRESS OF OPERATOR: 1050 17th Street, Suite 500 <small>CITY</small> Denver <small>STATE</small> CO <small>ZIP</small> 80265	PHONE NUMBER: (303) 672-6900	10. FIELD AND POOL, OR WILDCAT: See attached
4. LOCATION OF WELL FOOTAGES AT SURFACE: See attached		COUNTY: Attached
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>6/14/2010</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Operator Name Change</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

Effective June 14, 2010 Questar Exploration and Production Company changed its name to QEP Energy Company. This name change involves only an internal corporate name change and no third party change of operator is involved. The same employees will continue to be responsible for operations of the properties described on the attached list. All operations will continue to be covered by bond numbers:
 Federal Bond Number: 965002976 (BLM Reference No. ESB000024) *N3700*
 Utah State Bond Number: ~~965003033~~ } *965010695*
 Fee Land Bond Number: ~~965003033~~ } *965010695*
 BIA Bond Number: ~~799446~~ } *965010693*

The attached document is an all inclusive list of the wells operated by Questar Exploration and Production Company. As of June 14, 2010 QEP Energy Company assumes all rights, duties and obligations as operator of the properties as described on the list

NAME (PLEASE PRINT) <u>Morgan Anderson</u>	TITLE <u>Regulatory Affairs Analyst</u>
SIGNATURE <i>Morgan Anderson</i>	DATE <u>6/23/2010</u>

(This space for State use only)

RECEIVED
JUN 28 2010

DIV. OF OIL, GAS & MINING

APPROVED 6/30/2009
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)
JOHNSON BOTTOM
effective June 14, 2010

well_name	sec	twp	rng	api	entity	mineral lease	type	stat	C
LEOTA 1-34-2B	34	070S	210E	4304730879	5420	Federal	OW	P	
WV 7W-36-7-21	36	070S	210E	4304734065	13334	State	D	PA	
WV 9W-36-7-21	36	070S	210E	4304734066	13331	State	D	PA	
WV 11W-36-7-21	36	070S	210E	4304734067	13678	State	GW	PA	
WV 5W-36-7-21	36	070S	210E	4304734099	13807	State	GW	OPS	C
WV 13W-36-7-21	36	070S	210E	4304734100	13678	State	GW	P	
SU PURDY 7W-34-7-21	34	070S	210E	4304734380	13679	Federal	GW	P	
BBE 15G-16-7-21	16	070S	210E	4304735408	14070	State	OW	P	
BBS 15G-22-7-21	22	070S	210E	4304737443	15688	Federal	OW	P	C
TU 3-35-7-21	35	070S	210E	4304738995	16512	Federal	GW	P	
SU PURDY 3M-25-7-21	25	070S	210E	4304739179		Federal	OW	APD	C
JB 4G-27-7-21	27	070S	210E	4304739180		Federal	OW	APD	C
SU PURDY 10G-27-7-21	27	070S	210E	4304739181		Federal	OW	APD	C
JB 8G-21-7-21	21	070S	210E	4304740613	17595	Federal	OW	DRL	C
JB 12G-27-7-21	27	070S	210E	4304740614		Federal	OW	APD	C
JB 1G-28-7-21	28	070S	210E	4304740615		Federal	OW	APD	C
JB 15G-34-7-21	34	070S	210E	4304740616		Federal	OW	APD	C

Bonds: BLM = ESB000024
BIA = 956010693
State = 965010695



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
<http://www.blm.gov/ut/st/en.html>



IN REPLY REFER TO:
3100
(UT-922)

JUL 28 2010

Memorandum

To: Vernal Field Office, Price Field Office, Moab Field Office

From: Chief, Branch of Minerals

Robert L. Bankert

Subject: Name Change Recognized

Attached is a copy of the Certificate of Name Change issued by the Texas Secretary of State and a decision letter recognizing the name change from the Eastern States Office. We have updated our records to reflect the name change in the attached list of leases.

The name change from **Questar Exploration and Production Company** into **QEP Energy Company** is effective June 8, 2010.

cc: MMS
UDOGM

RECEIVED

AUG 16 2010

DIV. OF OIL, GAS & MINERALS

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-16551
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: JOHNSON BOTTOM
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: JB 4G-27-7-21
2. NAME OF OPERATOR: QEP ENERGY COMPANY	9. API NUMBER: 43047391800000
3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078	PHONE NUMBER: 303 308-3068 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0770 FNL 0699 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 27 Township: 07.0S Range: 21.0E Meridian: S	9. FIELD and POOL or WILDCAT: UNDESIGNATED COUNTY: UINTAH 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: 3/9/2011 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input 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.

QEP Energy Company hereby requests a one year extension on the APD for the above captioned well.

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

Date: 03/07/2011
By: 

NAME (PLEASE PRINT) Jan Nelson	PHONE NUMBER 435 781-4331	TITLE Permit Agent
SIGNATURE N/A		DATE 3/7/2011



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 43047391800000

API: 43047391800000

Well Name: JB 4G-27-7-21

Location: 0770 FNL 0699 FWL QTR NWNW SEC 27 TWNP 070S RNG 210E MER S

Company Permit Issued to: QEP ENERGY COMPANY

Date Original Permit Issued: 4/5/2007

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: Jan Nelson

Date: 3/7/2011

Title: Permit Agent **Representing:** QEP ENERGY COMPANY

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

FORM 6

ENTITY ACTION FORM

Operator: QEP Energy Company Operator Account Number: N 3700
 Address: 11002 East 17500 South
city Vernal
state UT zip 84078 Phone Number: (435) 781-4369

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304739180	JB 4G-27-7-21		NWNW	27	7S	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<i>EA</i>	<i>99999</i>	<i>18255</i>	<i>10/1/2011</i>		<i>10/14/11</i>		
Comments: <i>GRRV BHL 1 = Sec 27 NWSE</i> <i>BHL = Sec 28 NESW</i>							

CONFIDENTIAL

Well 2

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

Well 3

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

ACTION CODES:

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

Valyn Davis

Name (Please Print)

Valyn Davis

Signature

Regulatory Affairs Analyst

10/10/2011

Title

Date

RECEIVED

OCT 11 2011

DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-16551
SUNDRY NOTICES AND REPORTS ON WELLS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		7. UNIT or CA AGREEMENT NAME: JOHNSON BOTTOM
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: JB 4G-27-7-21
2. NAME OF OPERATOR: QEP ENERGY COMPANY		9. API NUMBER: 43047391800000
3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078	PHONE NUMBER: 303 308-3068 Ext	9. FIELD and POOL or WILDCAT: UNDESIGNATED
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0770 FNL 0699 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 27 Township: 07.0S Range: 21.0E Meridian: S		COUNTY: UINTAH
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 11/30/2011	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER: <input type="text"/>
		<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 type="checkbox"/> APD EXTENSION
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. NO ACTIVITY ON THIS WELL FOR THE MONTH OF NOVEMBER 2011.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY		
NAME (PLEASE PRINT) Valyn Davis	PHONE NUMBER 435 781-4369	TITLE Regulatory Affairs Analyst
SIGNATURE N/A		DATE 12/5/2011

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-16551
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: JOHNSON BOTTOM
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: JB 4G-27-7-21	
2. NAME OF OPERATOR: QEP ENERGY COMPANY	9. API NUMBER: 43047391800000	
3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078	PHONE NUMBER: 303 308-3068 Ext	9. FIELD and POOL or WILDCAT: UNDESIGNATED
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0770 FNL 0699 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 27 Township: 07.0S Range: 21.0E Meridian: S		COUNTY: UINTAH
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 1/11/2012	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <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 type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. NO ACTIVITY ON THIS WELL DURING THE MONTH OF DECEMBER 2012.		
		Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY January 12, 2012
NAME (PLEASE PRINT) Valyn Davis	PHONE NUMBER 435 781-4369	TITLE Regulatory Affairs Analyst
SIGNATURE N/A	DATE 1/11/2012	

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: UTU-16551
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: QEP ENERGY COMPANY		7. UNIT or CA AGREEMENT NAME: JOHNSON BOTTOM
3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078		8. WELL NAME and NUMBER: JB 4G-27-7-21
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0770 FNL 0699 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 27 Township: 07.0S Range: 21.0E Meridian: S		9. API NUMBER: 43047391800000
PHONE NUMBER: 303 308-3068 Ext		9. FIELD and POOL or WILDCAT: UNDESIGNATED
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 1/31/2012	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CHANGE WELL NAME	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. NO ACTIVITY ON THIS WELL DURING THE MONTH OF JANUARY 2012.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY February 07, 2012		
NAME (PLEASE PRINT) Valyn Davis	PHONE NUMBER 435 781-4369	TITLE Regulatory Affairs Analyst
SIGNATURE N/A	DATE 2/6/2012	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
1. TYPE OF WELL Oil Well	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-16551
2. NAME OF OPERATOR: QEP ENERGY COMPANY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078	7. UNIT or CA AGREEMENT NAME: JOHNSON BOTTOM
PHONE NUMBER: 303 308-3068 Ext	8. WELL NAME and NUMBER: JB 4G-27-7-21
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0770 FNL 0699 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 27 Township: 07.0S Range: 21.0E Meridian: S	9. API NUMBER: 43047391800000
	9. FIELD and POOL or WILDCAT: UNDESIGNATED
	COUNTY: UINTAH
	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<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 checked="" type="checkbox"/> DRILLING REPORT Report Date: 2/29/2012	<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 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.

NO ACTIVITY ON THIS WELL FOR THE MONTH OF FEBRUARY 2012.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 March 07, 2012

NAME (PLEASE PRINT) Valyn Davis	PHONE NUMBER 435 781-4369	TITLE Regulatory Affairs Analyst
SIGNATURE N/A	DATE 3/5/2012	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-16551
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:
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2. NAME OF OPERATOR: QEP ENERGY COMPANY	9. API NUMBER: 43047391800000	
3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078	PHONE NUMBER: 303 308-3068 Ext	9. FIELD and POOL or WILDCAT: UNDESIGNATED
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0770 FNL 0699 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 27 Township: 07.0S Range: 21.0E Meridian: S		COUNTY: UINTAH
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 4/30/2012	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <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 type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER <input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
NO ACTIVITY ON THIS WELL DURING THE MONTH OF MARCH 2012.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY May 10, 2012		
NAME (PLEASE PRINT) Valyn Davis	PHONE NUMBER 435 781-4369	TITLE Regulatory Affairs Analyst
SIGNATURE N/A	DATE 5/2/2012	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-16551
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: JOHNSON BOTTOM
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: JB 4G-27-7-21	
2. NAME OF OPERATOR: QEP ENERGY COMPANY	9. API NUMBER: 43047391800000	
3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078	PHONE NUMBER: 303 308-3068 Ext	9. FIELD and POOL or WILDCAT: UNDESIGNATED
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0770 FNL 0699 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 27 Township: 07.0S Range: 21.0E Meridian: S		COUNTY: UINTAH
		STATE: UTAH
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TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 5/31/2012	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <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 type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER <input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
NO ACTIVITY ON THIS WELL FOR THE MONTHS OF APRIL AND MAY 2012.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY June 04, 2012		
NAME (PLEASE PRINT) Valyn Davis	PHONE NUMBER 435 781-4369	TITLE Regulatory Affairs Analyst
SIGNATURE N/A	DATE 6/4/2012	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-16551
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: JOHNSON BOTTOM
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2. NAME OF OPERATOR: QEP ENERGY COMPANY	9. API NUMBER: 43047391800000
3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078	PHONE NUMBER: 303 308-3068 Ext
9. FIELD and POOL or WILDCAT: UNDESIGNATED	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0770 FNL 0699 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 27 Township: 07.0S Range: 21.0E Meridian: S	COUNTY: UINTAH STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 8/31/2012	<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 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.

NO ACTIVITY ON THIS WELL FOR THE MONTHS OF JUNE, JULY, AND AUGUST 2012.

**Accepted by the
 Utah Division of
 Oil, Gas and Mining
 FOR RECORD ONLY
 August 30, 2012**

NAME (PLEASE PRINT) Valyn Davis	PHONE NUMBER 435 781-4369	TITLE Regulatory Affairs Analyst
SIGNATURE N/A	DATE 8/28/2012	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-16551
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: JOHNSON BOTTOM
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: JB 4G-27-7-21
2. NAME OF OPERATOR: QEP ENERGY COMPANY	9. API NUMBER: 43047391800000
3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078	PHONE NUMBER: 303 308-3068 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0770 FNL 0699 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 27 Township: 07.0S Range: 21.0E Meridian: S	9. FIELD and POOL or WILDCAT: UNDESIGNATED COUNTY: UINTAH STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 10/1/2012 <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 checked="" 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 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.

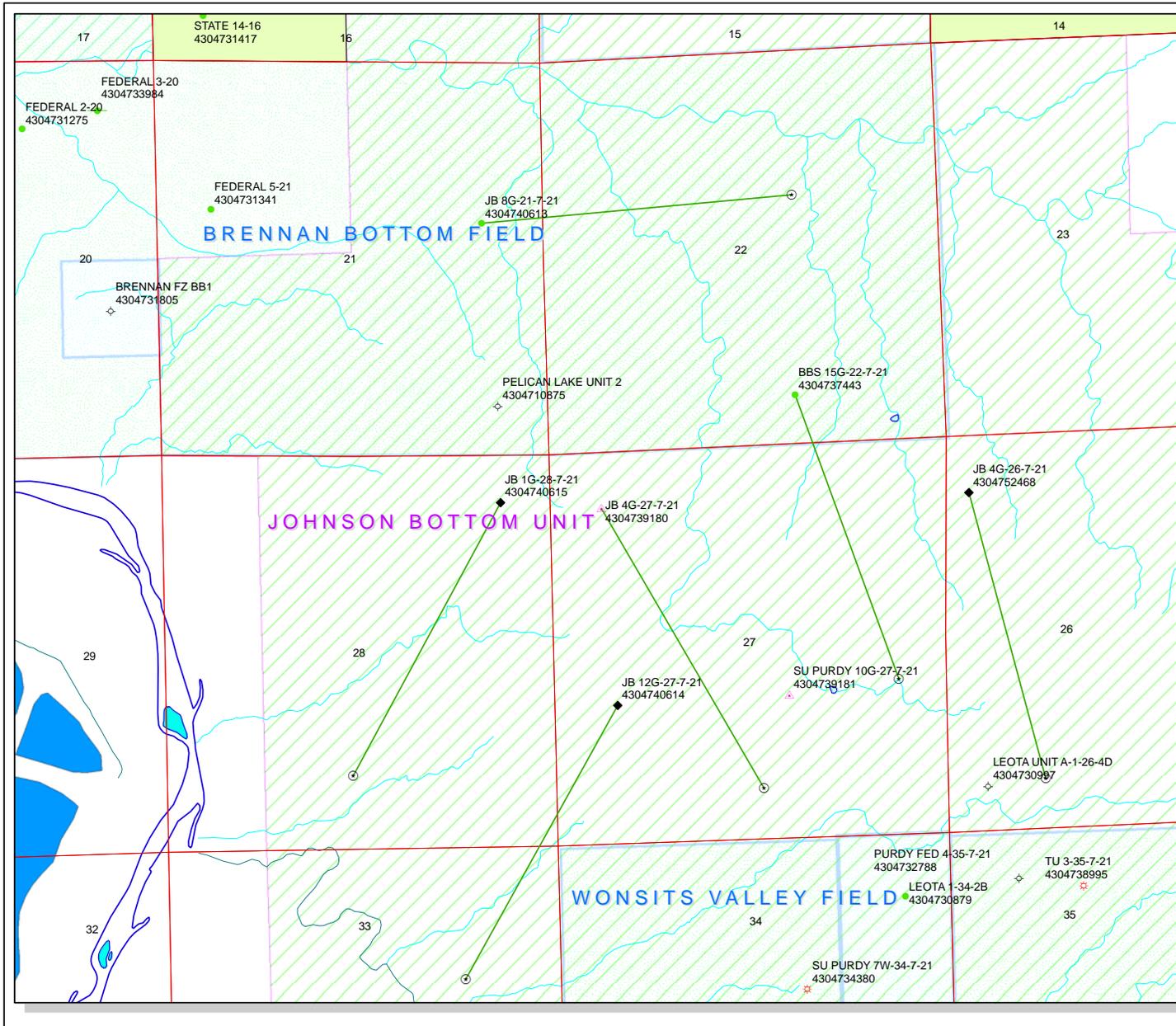
THIS WELL WAS PERMITTED AS A DUAL LATERAL HORIZONTAL OIL WELL. QEP ENERGY COMPANY IS REQUESTING TO CHANGE THE JB 4G-27-7-21 TO A **SINGLE LATERAL OIL WELL**. NO ADDITIONAL SURFACE DISTURBANCE IS REQUIRED, THEREFORE; ALL OTHER CONDITIONS OF THE ORIGINAL APD WILL BE ADHERED TO. THE BOTTOM HOLE FOOTAGES ARE: LATERAL #1: 660' FSL, 2500' FEL, SWSE, SEC. 27, T7S, R21E PLEASE SEE ATTACHED: 8-POINT DRILLING PLAN DIRECTIONAL PLAN LEGAL PLATS/MAPS

Approved by the Utah Division of Oil, Gas and Mining

Date: October 01, 2012

By: 

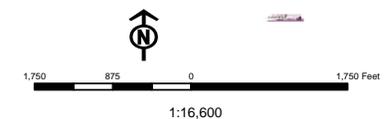
NAME (PLEASE PRINT) Valyn Davis	PHONE NUMBER 435 781-4369	TITLE Regulatory Affairs Analyst
SIGNATURE N/A	DATE 9/20/2012	



API Number: 4304739180
Well Name: JB 4G-27-7-21
Township T07.0S Range R21.0E Section 27
Meridian: SLBM
Operator: QEP ENERGY COMPANY

Map Prepared:
 Map Produced by Diana Mason

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



T7S, R21E, S.L.B.&M.

QUESTAR EXPLR. & PROD.

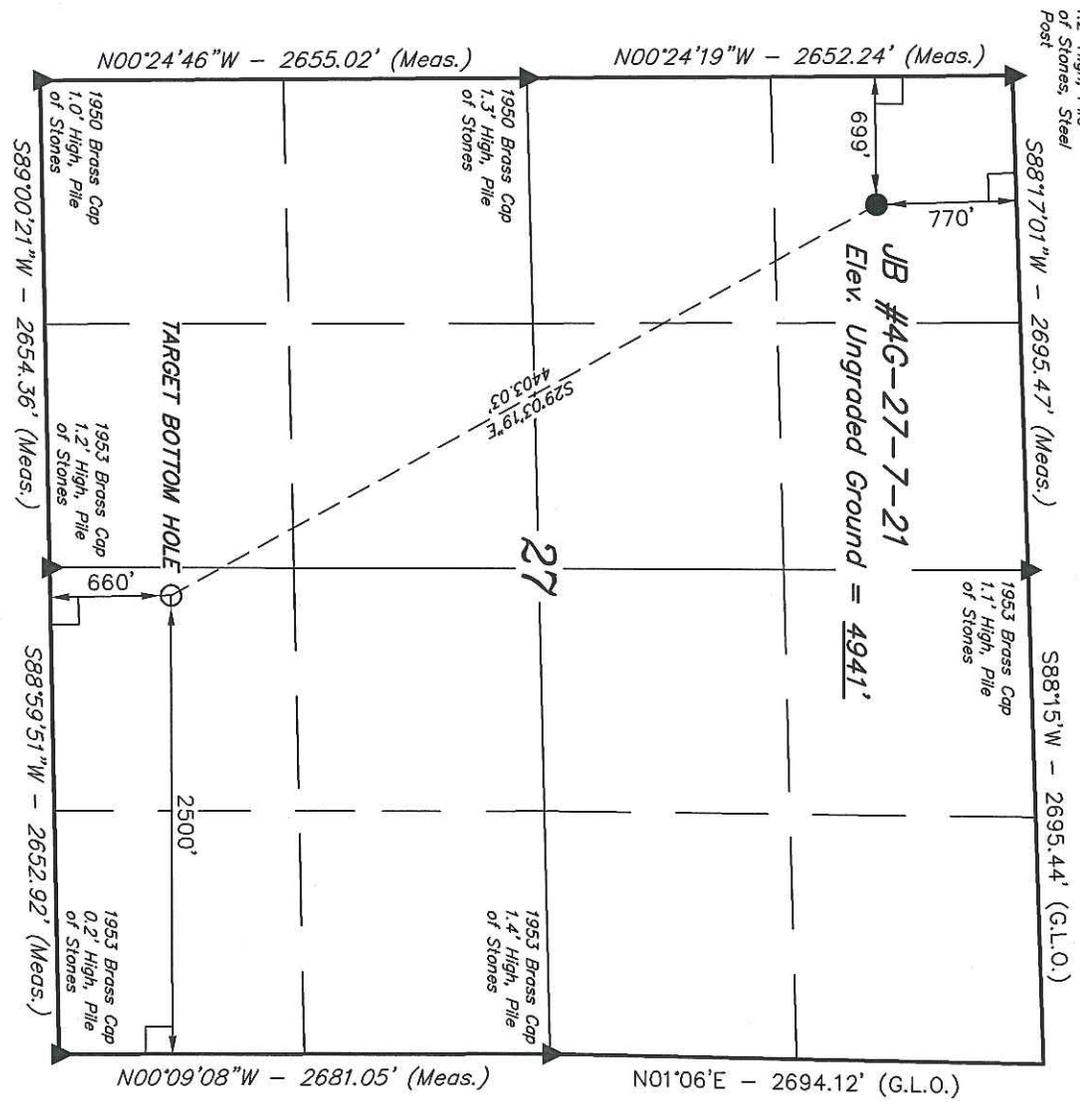
Well location, JB #4G-27-7-21, located as shown in the NW 1/4 NW 1/4 of Section 27, T7S, R21E, S.L.B.&M., Uintah County, Utah

BASIS OF ELEVATION

BENCH MARK (20 EAM) LOCATED IN THE SE 1/4 OF SECTION 35, T8S, R21E, S.L.B.&M., TAKEN FROM THE CURAY SE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4697 FEET.

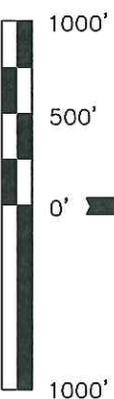
BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



- LEGEND:**
- = 90° SYMBOL
 - = PROPOSED WELL HEAD.
 - ▲ = SECTION CORNERS LOCATED.

NAD 83 (TARGET BOTTOM HOLE)		NAD 83 (SURFACE LOCATION)	
LATITUDE = 40°10'34.96" (40.176378)	LATITUDE = 40°11'12.98" (40.186939)	LATITUDE = 40°11'12.98" (40.186939)	LATITUDE = 40°11'12.98" (40.186939)
LONGITUDE = 109°32'27.45" (109.540958)	LONGITUDE = 109°32'55.03" (109.548619)	LONGITUDE = 109°32'55.03" (109.548619)	LONGITUDE = 109°32'55.03" (109.548619)
NAD 27 (TARGET BOTTOM HOLE)		NAD 27 (SURFACE LOCATION)	
LATITUDE = 40°10'35.10" (40.176417)	LATITUDE = 40°11'12.98" (40.186939)	LATITUDE = 40°11'12.98" (40.186939)	LATITUDE = 40°11'12.98" (40.186939)
LONGITUDE = 109°32'24.97" (109.540269)	LONGITUDE = 109°32'55.03" (109.548619)	LONGITUDE = 109°32'55.03" (109.548619)	LONGITUDE = 109°32'55.03" (109.548619)



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.

REVISED: 09-06-12 R.L.L.
 REVISED: 08-13-12 R.L.L.
 REVISED: 02-18-10
 REVISED: 09-19-07

CERTIFICATE

REGISTERED LAND SURVEYOR
 REGISTRATION NO. 161319
 STATE OF UTAH

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

SCALE	1" = 1000'	DATE SURVEYED:	02-15-07	DATE DRAWN:	02-20-07
PARTY	G.O. T.P. P.M.	REFERENCES	G.L.O. PLAT		
WEATHER	COLD	FILE	QUESTAR EXPLR. & PROD.		

QEP ENERGY COMPANY

JB 4G-27-7-21

New Single Horizontal Well Summarized Procedure for BLM

1. MIRU air rig.
2. Drill 12 ¼" surface hole to 480'±.
3. Run 9 5/8", 36#, J-55, STC casing and cement to surface.
4. RD air rig, move off location.
5. MIRU drilling rig.
6. NU rig's 3,000 WP rated BOP. Test BOP's and surface casing.
7. PU straight hole BHA, drill out surface casing and 10' of new formation, run FIT.
8. Drill 8 ¾" hole to 6,098'.
9. TOO, PU directional BHA, TIH.
10. Drill to 6,098', kick off and drill well at a 150.91° azimuth with 12°/100' build rates to land in H4a Lime formation at a TVD of +/- 6,575', 6,872' MD.
11. RU wireline, run logs to 40 degrees maximum inclination in the curve.
12. PU and run 7", 26#, N-80, LTC casing to 6,872', cement casing.
13. PU 4" DP, directional BHA, TIH.
14. Drill +/- 3,906' of lateral in H4a Lime.
 - a. Mud system to be water based mud, weights are expected to be in the 8.5 – 9.0 ppg range.
15. Circulate and condition hole, TOO, LDDP.
 - a. PU 4,000' of 4-1/2" alternating slotted and blank liner, 250' of blank liner and liner dropping tool.
 - b. RIH w/ liner and dropping tool, drop liner at 6,600', 250' inside of 7" casing.
 - c. TOO laying down DP.
16. RU wireline, RIH and set RBP @ +/- 2,000' to isolate laterals.
17. ND BOP's.
18. RDMOL.

ONSHORE OIL & GAS ORDER NO. 1
 QEP ENERGY COMPANY
 JB 4G-27-7-21

DRILLING PROGRAM

ONSHORE OIL & GAS ORDER NO. 1 Approval of Operations on Onshore Federal Oil and Gas Leases

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 & Gas No. 1, and the approved plan of operations. The operator is fully responsible for the actions of its subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

1. Formation Tops

The estimated top of important geologic markers are as follows:

SE Lateral #1:

<u>Formation</u>	<u>Depth, TVD</u>	<u>Depth, MD</u>
Green River	3,450'	3,450'
Kick Off Point	6,098'	6,098'
Green River (H4a Lime)	6,574'	6,818'
TD	6,377'	10,778'

2. Anticipated Depths of Oil, Gas, Water, and Other Mineral Bearing Zones

The estimated depths at which the top and bottom of the anticipated water, oil, gas, or other mineral bearing formations are expected to be encountered are as follows:

SE Lateral #1:

<u>Substance</u>	<u>Formation</u>	<u>Depth, TVD</u>	<u>Depth, MD</u>
Oil/Gas	Green River (H4a Lime)	6,575' - 6,637'	6,818' - 10,778'

All fresh water and prospectively valuable minerals encountered during drilling will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

All water shows and water-bearing sands will be reported to the BLM in Vernal, Utah. Copies of State of Utah form OGC-8-X are acceptable. If flows are detected, samples will be submitted to the BLM along with any water analyses conducted. Fresh water will be obtained from Wonsits Valley water right A36125 (which was filed on May 7, 1964) or Red Wash water right # 49-2153 (which was filed on March 25, 1960). It was determined by the Fish and Wildlife Service that any water right number filed before 1989 is not depleting to the Upper Colorado River System, to supply fresh water for drilling purposes. All water resulting from drilling operations will be disposed of at Red Wash Central Battery Disposal site; SWSE, Section 27, T7S, R23E or Wonsits Valley Disposal Site; SWNW, Section 12, T8S, R21E.

ONSHORE OIL & GAS ORDER NO. 1
QEP ENERGY COMPANY
JB 4G-27-7-21

3. Operator's Specification for Pressure Control Equipment

- A. 3,000 psi double gate, 3,000 psi annular (schematic attached)
- B. Function test daily.
- C. All casing strings shall be pressure tested (0.22 psi/ft or 1,500 psi, whichever is greater) prior to drilling the plug after cementing; test pressure shall not exceed the internal yield of the casing.
- D. Ram type preventers and associated equipment shall be tested to rated working pressure if isolated by a test plug or to 50% of the internal yield pressure of casing, whichever is less. BOP and related equipment shall meet the minimum requirements of Onshore Oil & Gas Order No. 2 for equipment and testing requirements, procedures, etc..., for a 3M system and individual components shall be operable as designed.

4. Casing Program

Hole Size	Casing Size	Top, MD	Bottom, MD	Weight, lb/ft	Grade	Thread	Condition
17 1/2"	14"	sfc	40'	Steel	Cond.	None	Used
12 1/4"	9 5/8"	sfc	480'	36.0	J-55	STC	New
8 3/4"	7"	sfc	6,872'	26.0	N-80	LTC	New

Casing Strengths:				Collapse	Burst	Tensile (minimum)
9 5/8"	36.0 lb.	J-55	STC	2,020 psi	3,520 psi	394,000 lb.
7"	26.0 lb.	N-80	LTC	5,410 psi	7,240 psi	519,000 lb.

The lateral portion of lateral #1 will be lined with a slotted liner dropped 50' off bottom.

SE Lateral #1:

Hole Size	Casing Size	Top, MD	Bottom, MD	Weight	Grade
6 1/8"	4 1/2"	6,600'	10,725'	11.6	N-80

Please refer to the attached wellbore diagram and re-entry procedure for further details.

ONSHORE OIL & GAS ORDER NO. 1
QEP ENERGY COMPANY
JB 4G-27-7-21

5. **Cementing Program**

20" Conductor:

Cement to surface with construction cement.

9-5/8" Surface Casing: sfc – 480' (MD)

Lead/Tail Slurry: 0' – 480'. 170 sks (310 cu ft) Rockies LT cement + 0.25 lb/sk Kwik Seal + 0.125 lb/sk Poly-E-Flake. Slurry wt: 13.5 ppg, Slurry yield: 1.81 ft³/sk, Slurry volume: 12-1/4" hole + 100% excess.

7" Intermediate Casing: 400' – 6,872' (MD)

Lead/Tail Slurry: 400' – 6,800'. 776 sks (963 cu ft) 50/50 Poz Premium + 0.6% Halad (R)-322 fluid loss + 2.0% Microbond M expander + 5% salt + 0.125 lb/sk Poly-E-Flake. Slurry wt: 14.35 ppg, Slurry yield: 1.24 ft³/sk, Slurry volume: 8-3/4" hole + 30% excess.

SE Lateral #1: 4-1/2" Slotted & Blank Liner: 6,600' – 10,725' (MD)

No cement, dropped in open hole.

6. **Auxilliary Equipment**

- a. Kelly Cock – Yes
- b. Float at the bit – No
- c. Monitoring equipment on the mud system – visually and/or PVT or Flow Show
- d. Fully opening safety valve on the rig floor – Yes
- e. Rotating Head – Yes

Drilling the surface hole with air:

A variance from 43 CFR 3160 Onshore Oil and Gas Order #2, Section III requirements, subsection E Special Drilling Operations is requested for the specific operation of drilling and setting surface casing on the subject well with a truck mounted air rig. The variance from the following requirements of Order #2 is requested because surface casing depth for this well is less than 500 feet and high pressures are not expected.

1. **Properly lubricated and maintained rotating head** – A diverter system in place of a rotating head. The diverter system forces the air and cutting returns to the reserve pit and is used to drill the surface casing.

ONSHORE OIL & GAS ORDER NO. 1
QEP ENERGY COMPANY
JB 4G-27-7-21

2. **Blooi line discharge 100 feet from wellbore and securely anchored** – the blooi line discharge for this operation will be located 50 to 70 feet from the wellhead. This reduced length is necessary due to the smaller location size to minimize surface disturbance.
3. **Automatic igniter or continuous pilot light on blooi line** – a diffuser will be used rather than an automatic pilot/igniter. Water is injected into the compressed air and eliminates the need for a pilot light and the need for dust suppression equipment.
4. **Compressors located in the opposite direction from the blooi line a minimum of 100 feet from the wellbore** – compressors located within 50 feet on the opposite side of the wellbore from the blooi line and is equipped with a 1) emergency kill switch on the driller's console, 2) pressure relief valves on the compressors, 3) spark arrestors on the motors.
5. **Kill Fluid to control well** – In lieu of having mud products on location to kill the well for an unanticipated kick, Questar will kill the well with water contained in a 400 bbl tank on site. The 400 bbl water tank will also be storage for surface casing cement water.
6. **Deflector on the end of the blooi line** – Questar will mount a deflector unit at the end of the blooi line for the purpose of changing the direction and velocity of the air and cuttings flow into the reserve pit. Changing the velocity and direction of the cuttings and air will preserve the pit liner. In the event the deflector washes out due to erosion caused by the sand blasting effect of the cuttings, there will be no problem because the deflector is mounted on the very end of the blooi. A washed out deflector will be easily replaced.
7. **Flare Pit** – there will be no need of a flare pit during the surface hole air drilling operation because the blooi line is routed directly to the reserve pit. When the big rig arrives for the main drilling after setting surface casing, a flare box will be installed and all flare lines will be routed to the flare box.

Drilling of the laterals will be done with fresh water NaCl based mud systems consisting primarily of fresh water, bentonite, lignite, caustic, lime, soda ash, polymers, and NaCl. No chromates will be used. It is not intended to use oil in the mud, however, in the event it is used the concentration will be less than 4% by volume. Maximum anticipated mud weight is 10.0 ppg.

No minimum quantity of weight material will be required to be kept on location.

PVT/Flow show will be used upon exit of surface casing to TD.

Gas detector will be used upon exit of surface casing to TD.

ONSHORE OIL & GAS ORDER NO. 1
QEP ENERGY COMPANY
JB 4G-27-7-21

7. **Testing, Logging, and Coring Program**

- a. Cores – None Anticipated
- b. DST – None Anticipated
- c. Logging:
 - i. Mud logging from casing exit to TD.
 - ii. DIL/GR/CL/CN/ZDL Run 40 degrees maximum into curve.
 - iii. MWD-GR will be utilized during drilling operations to aid in landing the curve and maintaining the laterals within the desired zone.
- d. Formation and completion interval: G1 Lime interval, final determination of completion will be made by analysis of mud logging data. Stimulation: stimulation will be designed for the particular area of interest encountered.

8. **Anticipated Abnormal Pressures and Temperatures, Other Potential Hazards**

No abnormal temperatures or pressures are anticipated. No H₂S has been encountered or is known to exist from previous wells drilled to similar depths in the general area. Maximum anticipated bottom-hole pressure equals approximately 3,500 psi. Maximum anticipated bottom hole temperature is approximately 150°F.

JB 4G-27-7-21

Updated 9-12-12 CRA

API # 43-047-39180

Proposed WBD

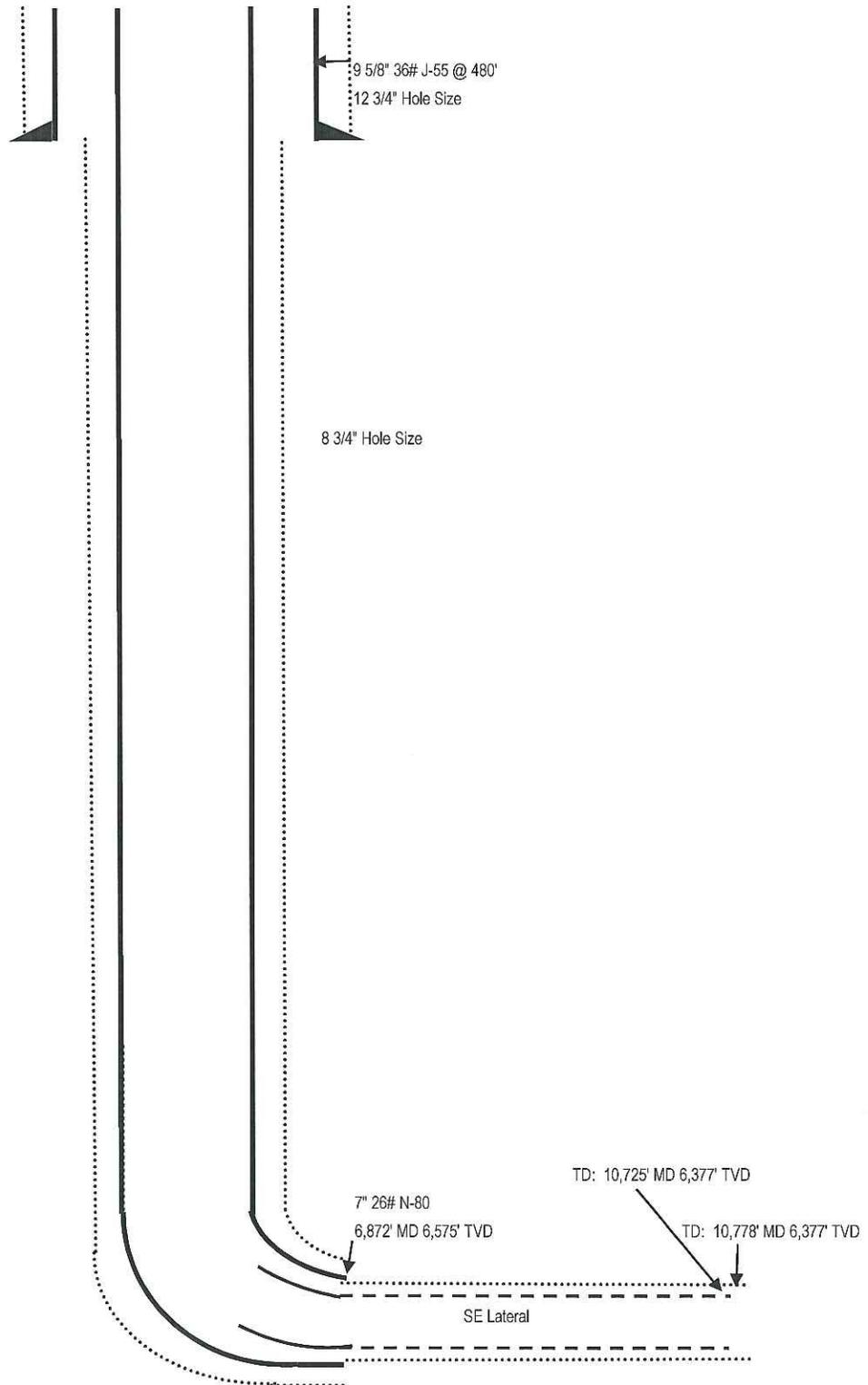
Uinta Basin

Sec 27-T7S-R21E, UINTAH CO, UT

KB 4,954'

GL 4,940'

NOTE: NOT TO SCALE





QEP Energy Company

QEP ENERGY (UT)

Johnson Bottom

JB 4G-27-7-21

JB 4G-27-7-21

Original Hole

Plan: Plan ver.2

Standard Planning Report

07 September, 2012



QEP Energy Company



QEP Resources, Inc.
Planning Report



Database:	EDMDB_QEP	Local Co-ordinate Reference:	Well JB 4G-27-7-21
Company:	QEP ENERGY (UT)	TVD Reference:	RKB @ 4956.20usft (AZTEC 950)
Project:	Johnson Bottom	MD Reference:	RKB @ 4956.20usft (AZTEC 950)
Site:	JB 4G-27-7-21	North Reference:	True
Well:	JB 4G-27-7-21	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan ver.2		

Project	Johnson Bottom, UT		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		Using geodetic scale factor

Site	JB 4G-27-7-21				
Site Position:		Northing:	7,242,764.502 usft	Latitude:	40.186939
From:	Lat/Long	Easting:	2,185,539.421 usft	Longitude:	-109.548620
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	1.25 °

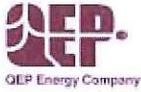
Well	JB 4G-27-7-21					
Well Position	+N/-S	-0.02 usft	Northing:	7,242,764.482 usft	Latitude:	40.186939
	+E/-W	0.00 usft	Easting:	2,185,539.421 usft	Longitude:	-109.548620
Position Uncertainty		0.00 usft	Wellhead Elevation:	4,940.20 usft	Ground Level:	4,940.20 usft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	8/14/2012	10.97	65.98	52,308

Design	Plan ver.2			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	150.91

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6,097.77	0.00	0.00	6,097.77	0.00	0.00	0.00	0.00	0.00	0.00	
6,871.94	92.90	150.91	6,574.63	-438.33	243.91	12.00	12.00	0.00	150.91	
10,778.12	92.90	150.91	6,377.00	-3,847.27	2,140.83	0.00	0.00	0.00	0.00	JB 4G-27-7-21 (ver.2)

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6,097.77	0.00	0.00	6,097.77	0.00	0.00	0.00	0.00	0.00	0.00	
6,871.94	92.90	150.91	6,574.63	-438.33	243.91	501.62	12.00	12.00	0.00	
10,778.12	92.90	150.91	6,377.00	-3,847.27	2,140.83	4,402.80	0.00	0.00	0.00	



QEP Resources, Inc.
Planning Report



Database:	EDMDB_QEP	Local Co-ordinate Reference:	Well JB 4G-27-7-21
Company:	QEP ENERGY (UT)	TVD Reference:	RKB @ 4956.20usft (AZTEC 950)
Project:	Johnson Bottom	MD Reference:	RKB @ 4956.20usft (AZTEC 950)
Site:	JB 4G-27-7-21	North Reference:	True
Well:	JB 4G-27-7-21	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan ver.2		

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
JB 4G-27-7-21 (ver.2)	0.00	0.00	6,377.00	-3,847.27	2,140.83	7,238,965.140	2,187,763.482	40.176378	-109.540959
- plan hits target center									
- Point									

Casing Points						
	Measured Depth	Vertical Depth	Name	Casing Diameter	Hole Diameter	
	(usft)	(usft)		(")	(")	
	452.00	452.00	9 5/8"	9-5/8	12-1/4	
	6,000.00	6,000.00	7"	7	8-3/4	

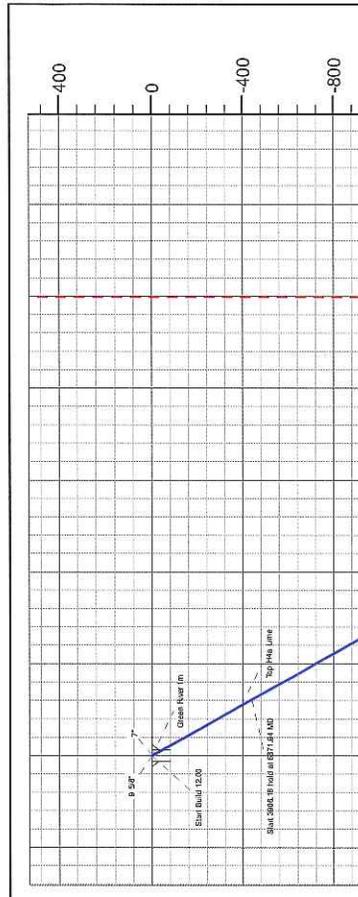
Formations						
	Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction
	(usft)	(usft)			(°)	(°)
	3,450.00	3,450.00	Green River fm		0.00	
	6,818.10	6,574.32	Top H4a Lime		2.90	330.91

Project: Johnson Bottom
 Site: JB 4G-27-7-21
 Well: JB 4G-27-7-21
 Wellbore: Original Hole
 Design: Plan Ver.2

Company Name: QEP ENERGY (UT)



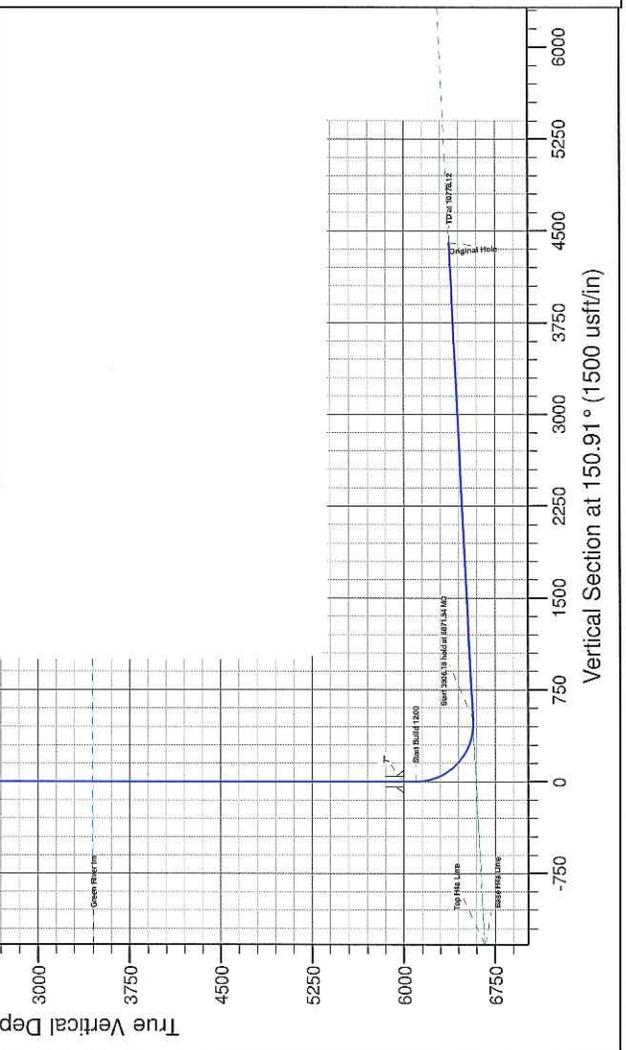
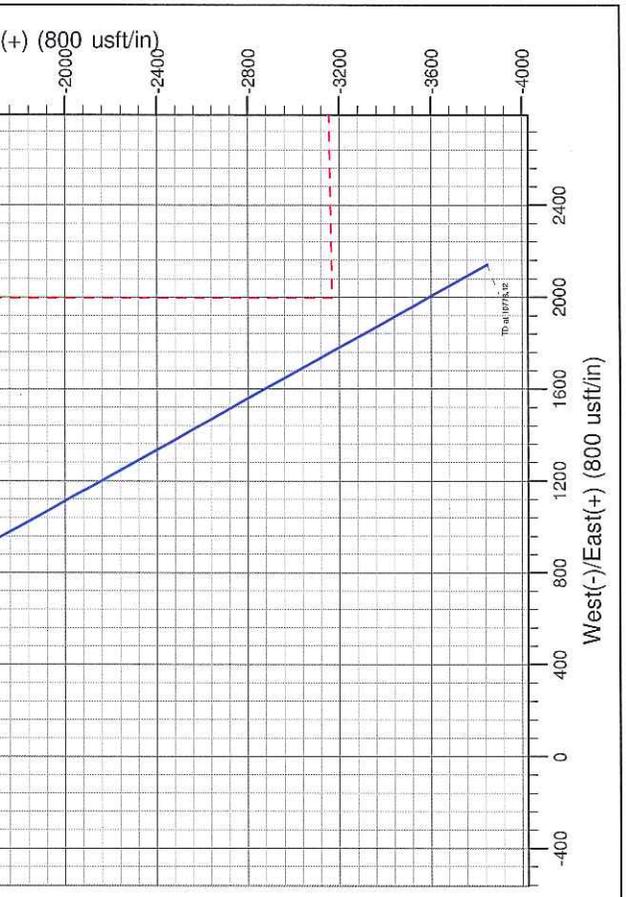
PROJECT DETAILS: Johnson Bottom Geodetic System: US State Plane 1983 Datum: North American Datum 1983 Ellipsoid: GRS 1980 Zone: Utah Central Zone System Datum: Mean Sea Level	
Co-ordinate (NE) Reference: Well JB 4G-27-7-21, True North Vertical (TVD) Reference: RKB @ 4956.20usft (AZTEC 950) Section (VS) Reference: Slot - (0.00N, 0.00E) Measured Depth Reference: RKB @ 4956.20usft (AZTEC 950) Calculation Method: Minimum Curvature	
WELL DETAILS: JB 4G-27-7-21 Original Hole Ground Level: 4940.20 Easting: 2185539.421 Northing: 7242764.482 +E/W: 0.00 -N/S: 0.00	Slot Longitude: -109.546619 Latitude: 40.186939



SECTION DETAILS						
MD	Incl	Azi	TVD	+N/S	+E/W	VSect
0.00	0.00	0.00	0.00	0.00	0.00	0.00
6097.77	0.00	6097.77	0.00	0.00	0.00	0.00
6871.94	92.90	150.91	6574.63	-438.33	243.91	501.62
10776.12	92.90	150.91	6377.00	-3847.27	2140.83	4402.80

FORMATION TOP DETAILS	
TVDPath	MDPath
3450.00	3450.00
6574.31	6818.10
Formation Green River fm Top Hda Lime	

CASING DETAILS		
TVD	MD	Size
452.00	452.00	9-5/8
6000.00	6000.00	7



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
1. TYPE OF WELL Oil Well	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-16551
2. NAME OF OPERATOR: QEP ENERGY COMPANY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078	7. UNIT or CA AGREEMENT NAME: JOHNSON BOTTOM
PHONE NUMBER: 303 308-3068 Ext	8. WELL NAME and NUMBER: JB 4G-27-7-21
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0770 FNL 0699 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 27 Township: 07.0S Range: 21.0E Meridian: S	9. API NUMBER: 43047391800000
	9. FIELD and POOL or WILDCAT: UNDESIGNATED
	COUNTY: UINTAH
	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<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 checked="" type="checkbox"/> DRILLING REPORT Report Date: 10/1/2012	<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 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.

NO ACTIVITY ON THIS WELL DURING THE MONTH OF SEPTEMBER 2012.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 October 17, 2012

NAME (PLEASE PRINT) Valyn Davis	PHONE NUMBER 435 781-4369	TITLE Regulatory Affairs Analyst
SIGNATURE N/A	DATE 10/8/2012	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-16551
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:
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME: JOHNSON BOTTOM
2. NAME OF OPERATOR: QEP ENERGY COMPANY		8. WELL NAME and NUMBER: JB 4G-27-7-21
3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078		9. API NUMBER: 43047391800000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0770 FNL 0699 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 27 Township: 07.0S Range: 21.0E Meridian: S		9. FIELD and POOL or WILDCAT: UNDESIGNATED
		COUNTY: UINTAH
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 10/31/2012	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CHANGE WELL NAME	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. NO ACTIVITY ON THIS WELL FOR THE MONTH OF OCTOBER 2012.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY November 06, 2012		
NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Valyn Davis	435 781-4369	Regulatory Affairs Analyst
SIGNATURE		DATE
N/A		11/6/2012

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-16551
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: JOHNSON BOTTOM
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: JB 4G-27-7-21
2. NAME OF OPERATOR: QEP ENERGY COMPANY	9. API NUMBER: 43047391800000
3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078	PHONE NUMBER: 303 308-3068 Ext
9. FIELD and POOL or WILDCAT: UNDESIGNATED	4. LOCATION OF WELL FOOTAGES AT SURFACE: 0770 FNL 0699 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 27 Township: 07.0S Range: 21.0E Meridian: S
COUNTY: UINTAH	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: 12/2/2012	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input checked="" 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 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.

QEP ENERGY COMPANY REQUESTS TO CHANGE THE DRILLING PLAN ON THE JB 4G-27-7-21 AS FOLLOWS: - RUN 7" CASING FROM SURFACE TO 6,000' MD(ORIGINALLY PERMITTED AS SURFACE TO 6,872' MD). - RUN 4 1/2" CASING IN LATERAL #1 FROM 5,940' TO 10,725' MD(ORIGINALLY PERMITTED AS 6,600' TO 10,725' MD). - RUN SLOTTED LINER IN LATERAL #1 30' OFF BOTTOM(ORIGINALLY PERMITTED AS 50' OFF BOTTOM). ALL OTHER CONDITIONS OF THE ORIGINAL APD WILL BE ADHERED TO. VERBAL APPROVAL WAS RECEIVED FROM ROBIN HANSEN ON NOVEMBER 28, 2012 AT 1300 HOURS. PLEASE SEE ATTACHED: REVISED PG.2 OF THE 8-POINT DRILLING PLAN.

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

Date: December 04, 2012
 By: Signature

NAME (PLEASE PRINT) Valyn Davis	PHONE NUMBER 435 781-4369	TITLE Regulatory Affairs Analyst
SIGNATURE N/A	DATE 11/28/2012	

ONSHORE OIL & GAS ORDER NO. 1
 QEP ENERGY COMPANY
 JB 4G-27-7-21

3. Operator's Specification for Pressure Control Equipment

- A. 3,000 psi double gate, 3,000 psi annular (schematic attached)
- B. Function test daily.
- C. All casing strings shall be pressure tested (0.22 psi/ft or 1,500 psi, whichever is greater) prior to drilling the plug after cementing; test pressure shall not exceed the internal yield of the casing.
- D. Ram type preventers and associated equipment shall be tested to rated working pressure if isolated by a test plug or to 50% of the internal yield pressure of casing, whichever is less. BOP and related equipment shall meet the minimum requirements of Onshore Oil & Gas Order No. 2 for equipment and testing requirements, procedures, etc..., for a 3M system and individual components shall be operable as designed.

4. Casing Program

Hole Size	Casing Size	Top, MD	Bottom, MD	Weight, lb/ft	Grade	Thread	Condition
17 1/2"	14"	sfc	40'	Steel	Cond.	None	Used
12 1/4"	9 5/8"	sfc	480'	36.0	J-55	STC	New
8 3/4"	7"	sfc	6,000'	26.0	N-80	LTC	New

Casing Strengths:				Collapse	Burst	Tensile (minimum)
9 5/8"	36.0 lb.	J-55	STC	2,020 psi	3,520 psi	394,000 lb.
7"	26.0 lb.	N-80	LTC	5,410 psi	7,240 psi	519,000 lb.

The lateral portion of lateral #1 will be lined with a slotted liner dropped 30' off bottom.

SE Lateral #1:

Hole Size	Casing Size	Top, MD	Bottom, MD	Weight	Grade
6 1/8"	4 1/2"	5,940'	10,725'	11.6	N-80

Please refer to the attached wellbore diagram and re-entry procedure for further details.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS	
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1. TYPE OF WELL Oil Well	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-16551
2. NAME OF OPERATOR: QEP ENERGY COMPANY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078	7. UNIT or CA AGREEMENT NAME: JOHNSON BOTTOM
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0770 FNL 0699 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 27 Township: 07.0S Range: 21.0E Meridian: S	8. WELL NAME and NUMBER: JB 4G-27-7-21
PHONE NUMBER: 303 308-3068 Ext	9. API NUMBER: 43047391800000
9. FIELD and POOL or WILDCAT: UNDESIGNATED	COUNTY: UINTAH
	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<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 checked="" type="checkbox"/> DRILLING REPORT Report Date: 11/30/2012	<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 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.

NO ACTIVITY ON THIS WELL DURING THE MONTH OF NOVEMBER 2012.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 December 05, 2012

NAME (PLEASE PRINT) Valyn Davis	PHONE NUMBER 435 781-4369	TITLE Regulatory Affairs Analyst
SIGNATURE N/A	DATE 12/4/2012	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
1. TYPE OF WELL Oil Well	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-16551
2. NAME OF OPERATOR: QEP ENERGY COMPANY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078	7. UNIT or CA AGREEMENT NAME: JOHNSON BOTTOM
PHONE NUMBER: 303 308-3068 Ext	8. WELL NAME and NUMBER: JB 4G-27-7-21
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0770 FNL 0699 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 27 Township: 07.0S Range: 21.0E Meridian: S	9. API NUMBER: 43047391800000
	9. FIELD and POOL or WILDCAT: UNDESIGNATED
	COUNTY: UINTAH
	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 2/1/2013	<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 checked="" 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 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.

THIS WELL COMMENCED PRODUCTION ON FEBRUARY 1, 2013 @ 2:00 P.M.

**Accepted by the
 Utah Division of
 Oil, Gas and Mining
 FOR RECORD ONLY
 February 21, 2013**

NAME (PLEASE PRINT) Valyn Davis	PHONE NUMBER 435 781-4369	TITLE Regulatory Affairs Analyst
SIGNATURE N/A	DATE 2/4/2013	

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

CONFIDENTIAL

UNENDED REPORT FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTU16551

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME
JOHNSON BOTTOM

8. WELL NAME and NUMBER:
JB 4G-27-7-21

9. API NUMBER:
4304739180

10. FIELD AND POOL, OR WILDCAT
UNDESIGNATED

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
NWNW 27 7S 21E

12. COUNTY
UINTAH

13. STATE
UTAH

1a. TYPE OF WELL: OIL WELL GAS WELL DRY OTHER _____

b. TYPE OF WORK: NEW WELL HORIZ. LATS. DEEP-EN RE-ENTRY DIFF. RESVR. OTHER _____

2. NAME OF OPERATOR:
QEP ENERGY COMPANY

3. ADDRESS OF OPERATOR: 11002 E. 17500 S. CITY **VERNAL** STATE **UT** ZIP **84078** PHONE NUMBER: **(435) 781-4320**

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: **NWNW, 770' FNL, 699' FWL**
AT TOP PRODUCING INTERVAL REPORTED BELOW: **1 LEG HORIZONTAL (SEE REMARKS)**
AT TOTAL DEPTH: **798 FSL, 2636 FWL (SEE REMARKS)**

14. DATE SPUDED: **10/1/2011** 15. DATE T.D. REACHED: **12/31/2012** 16. DATE COMPLETED: **2/1/2013** ABANDONED READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL):
4941' GL

18. TOTAL DEPTH: MD **10,473** 19. PLUG BACK T.D.: MD _____ 20. IF MULTIPLE COMPLETIONS, HOW MANY? * _____
TVD **6,379** TVD _____

21. DEPTH BRIDGE MD _____ PLUG SET: TVD _____

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
TRIPLE COMBO, CBL

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

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

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
12.25	9.625 J-55	36	0	508		G 380	78	140	
8.75	7 HCP	26	0	6,023		G 620	283		
6.125	4.5 P-1	11.6	0	10,435		NONE			

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2.875	5,896							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) GREEN RIVER	7,472	10,435			See Remarks			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(B)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

27. PERFORATION RECORD

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
7,472 - 10,435	75,000 GAL 15% HCL

RECEIVED
MAR 13 2013
DIV. OF OIL, GAS & MINING

29. ENCLOSED ATTACHMENTS:

ELECTRICAL/MECHANICAL LOGS GEOLOGIC REPORT DST REPORT DIRECTIONAL SURVEY
 SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION CORE ANALYSIS OTHER: **OPS SUMMARY**

30. WELL STATUS:
POW

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 2/1/2013		TEST DATE: 2/9/2013		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL – BBL: 126	GAS – MCF: 0	WATER – BBL: 152	PROD. METHOD: GPU
CHOKE SIZE:	TBG. PRESS. 180	CSG. PRESS. 50	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL: 126	GAS – MCF: 0	WATER – BBL: 152	INTERVAL STATUS:

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

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

USED ON LEASE

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				UINTA GREEN RIVER H4A LIME	0 3,334 6,894

35. ADDITIONAL REMARKS (Include plugging procedure)

SEE ATTACHMENT

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

NAME (PLEASE PRINT) BENNA MUTH TITLE REGULATORY ASSISTANT - CONTRACT
 SIGNATURE *Benna Muth* DATE 3/11/2013

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
 1594 West North Temple, Suite 1210
 Box 145801
 Salt Lake City, Utah 84114-5801

Phone: 801-538-5340
 Fax: 801-359-3940

ADDITIONAL INFORMATION

WELL COMPLETION REPORT

WELL # JB-27-7-21

#4: TOP PRODUCING INTERVAL: NWNW, 770' FNL, 699' FWL, SECTION 27, T7S, R21E

TOTAL DEPTH: SESW, 771' FSL, 2636' FWL, SECTION 27, T7S, R21E

#27: PERFORATIONS: SLOTTED LINER FROM 7,472' TO 10,435'. OPEN HOLE PRODUCTION FROM BASE OF 7" CASING (6026') TO TD.



QEP Energy Company

Daily Activity and Cost Summary

Well Name: JB 4G-27-7-21

API 43-047-39180		Surface Legal Location 027007S021E27		Field Name JOHNSON BOTTOM		State UTAH		Well Configuration Type Horizontal	
Ground Elevation (ft) 4,940.2		Casing Flange Elevation (ft) 4,940.20		Current KB to GL (ft) 20.00		KB to CF (ft) 20.00		Spud Date 11/30/2011 06:00	
Final Rig Release 1/3/2013 00:00		Job Category Drilling		Primary Job Type DRILLING		Secondary Job Type DEVELOPMENT		Objective	
Start Date 9/30/2011				Job End Date 1/13/2013					

Purpose

Summary

Contractor Pete Martin Drilling		RIG PETE MARTIN 1	Rig Type BUCKET RIG
Contractor Pro Petro		RIG AIR 8	Rig Type AIR RIG
Contractor Aztec Drilling		RIG AZTEC 950	Rig Type ROTARY RIG

DOL	Start Date	Summary
1.0	9/30/2011	DRILL AND SET CONDUCTOR-8 HRS
2.0	11/28/2011	MIRU,DRILL TO 520', RUN 9 5/8" CASING TO 504' AND CEMENT, RDMO
3.0	12/9/2012	RIG DOWN ON OLD LOCATION, MOVE TO NEW LOCATION AND SET RIG IN PLACE. RIG UP BACK YARD,START WATER AND STEAM.PICK UP TOP DRIVE.
4.0	12/10/2012	FINISH RIG UP START TO NIPPLE UP BOP'S TEST BOP'S
5.0	12/11/2012	FINISH BOP TEST TEST CASING ,SET WEAR BUSHING, LAY OUT & STRAP BHA PICK UP BHA & SCRIB DIRECTIONAL TOOLS TRIP IN THE HOLE TO 431 FT.CUT & SLIP DRILLING LINE DRILL CEMENT & SHOE TRACK DRILL FROM 465 TO 540 FT FIT TEST TO 10 # EMW DIRECTIONAL DRILL FROM 540 FT TO 1839 FEET CONNECTIONS & SURVEYS
6.0	12/12/2012	DIRECTIONAL DRILL 21 HR, RIG SERVICE 0.5 HR, SURVEYS AND CONNECTIONS 2.5 HR
7.0	12/13/2012	DIRECTIONAL DRILL 20 HR, RIG SERVICE 1.5 HR, SURVEYS AND CONNECTIONS 2 HR, RIG REPAIR 0.5 HR
8.0	12/14/2012	DIRECTIONAL DRILL 12 HR, RIG SERVICE 1 HR, SURVEY AND CONNECTIONS 2 HR, LOST CIRCULATION 1 HR, CIRCULATE AND CONDITION 1.5 HR, WIPER TRIP 5 HR, WORK TIGHT HOLE 1.5 HR
9.0	12/15/2012	TRIP x (1.5) 11 HR, CIRCULATE 5.5 HR, OPEN HOLE LOG 5 HR, PULL WEAR BUSHING 0.5 HR, LAY DOWN DP 2 HR
10.0	12/16/2012	LAY DOWN DP 2.5 HR, R/U CASERS 1 HR, RUN CASING 9.5 HR, CIRCULATE 2.5 HR, CEMENT 3 HR, B/O LANDING JOINT SET PACK-OFF 1 HR, CLEAR FLOOR AND XO HANDLING EQUIP 2.5 HR, P/U NEW BHA 2 HR
11.0	12/17/2012	DIRECTIONAL DRILL 7.5 HR, PU 3 1/2" DRILL STRING 7 HR, R/D LAY DOWN EQUIPMENT 0.5 HR, DRILL CEMENT & SHOE TRACK 2 HR, F.I.T. 0.5 HR, TRIP 4.5 HR, HANDLE BHA 1 HR, RIG REPAIR 1 HR
12.0	12/18/2012	DIRECTIONAL DRILL 17 HR, RIG SERVICE 0.5 HR, SURVEYS AND CONNECTIONS 1.5 HR, TRIP 4 HR, HANDLE BHA 1 HR
13.0	12/19/2012	DIRECTIONAL DRILL 21.5 HR, RIG SERVICE 1 HR, CIRCULATE 1 HR, TRIP 1 HR, SURVEYS AND CONNECTIONS 1.5 HR
14.0	12/20/2012	DIRECTIONAL DRILL 7.5 HR, TRIP 11 HR, HANDLE BHA 1 HR, SAFETY REAM 0.5 HR, RIG SERVICE 0.5 HR, RIG REPAIR 2 HR, CUT & SLIP 1.5 HR
15.0	12/21/2012	DIRECTIONAL DRILL 17 HR, RIG SERVICE 1 HR, SURVEYS AND CONNECTIONS 2 HR, CIRCULATE X (2) 2 HR, TRIP 2 HR
16.0	12/22/2012	TRIP #1 10.5 HR, WASH AND REAM 2 HRS, TRIP #2 8.5 HR, HANDLE BHA x (2) 2.5 HR, RIG SERVICE 0.5 HR
17.0	12/23/2012	TRIP 1 HR, WASH & REAM 4.5 HR, DIRECTIONAL DRILL 16 HR, RIG SERVICE 0.5 HR, SURVEYS AND CONNECTIONS 2 HR
18.0	12/24/2012	DIRECTIONAL DRILL 2.5 HR, TOOH 9.5 HR, WORK STUCK PIPE 1 HR, WORK BHA 1.5 HR, TIH 8 HR, SAFETY REAM 0.5 HR, SAFETY STAND DOWN 1 HR
19.0	12/25/2012	DIRECTIONAL DRILL 17.5 HR, RIG SERVICE 1 HR, CIRCULATE SAMPLES x (2) 1.5 HR, SURVEYS AND CONNECTIONS 2 HR, SHORT TRIP 2 HR
20.0	12/26/2012	TRIP FOR LOST SCREEN RIG SERVICE WASH & REAM TO BOTTOM DIRECTIONAL DRILL
21.0	12/27/2012	DIRRECTIONAL DRILL FROM 8655 TO 8727 FEET SHORT TRIP BACK REAM FROM 8647 FT TO 8275 DIRECTIONAL DRILL FROM 8655 FT TO 9108 FEET CONNECTIONS & SURVEYS
22.0	12/28/2012	DRILL FROM 9108 TO 9264 CIRC HIGH VIS SWEEP 1 HR, POOH & BACK REAM FROM 8870 TO 8650 POOH FOR PUSH PIPE, BIT, & MOTOR TRIP TO THE SHOE CUT DRLG LINE CHANGE SAVER SUB, RIG SERVICE, TIH TO 6946 SURVEY CHECK SHOTS TO 9103 FEET
23.0	12/29/2012	DIRECTIONAL DRILL FROM 9264 FT TO 9808 CONNECTIONS & SURVEYS
24.0	12/30/2012	DIRECTIONAL DRILL FROM 9808 FT TO 9868 SHORT TRIP TO 9225 BACK REAM FROM 9805 TO 9485 RIG SERVICE DIRECTIONAL DRILL FROM 9934 TO 10285 CONNECTIONS & SURVEYS



QEP Energy Company

Daily Activity and Cost Summary

Well Name: JB 4G-27-7-21

API 43-047-39180	Surface Legal Location 027007S021E27	Field Name JOHNSON BOTTOM	State UTAH	Well Configuration Type Horizontal
Ground Elevation (ft) 4,940.2	Casing Flange Elevation (ft) 4,940.20	Current KB to GL (ft) 20.00	KB to CF (ft) 20.00	Spud Date 11/30/2011 06:00
				Final Rig Release 1/3/2013 00:00

DOL	Start Date	Summary
25.0	12/31/2012	DRILL FROM 10285 TO 10473 CIRC HIGH VIS SWEEP BSCK REAM FROM 10472 TO 10003 WORK STUCK PIPE WORKED FREE @ 19:00 HR'S CONT TO TRIP OUT TO THE SHOE TRIP IN THE HOLE TO 10473 CIRC HIGH VIS SWEEP TRIP OUT OF THE HOLE FOR CASING SPOT A BEAD PILL @ 9850 FEET CONT TO TRIP OUT OF THE HOLE
26.0	1/1/2013	TRIP OUT FOR 4.5" LINNER, LAY DOWN DIRECTIONAL TOOLS RIG UP CASING CREWS AND L/D TRUCK PICK UP & RUN 4.5" CASING TRIP IN THE HOLE WITH THE LINNER LANDED @ 10435 FT TOP OF LINNER IS 5928.4 FEET DISPLACE HOLE WITH KCL WATER LAY DOWN DRILL PIPE
27.0	1/2/2013	FINISH LAYING DOWN DRILL PIPE, SET WEATHERFORD BRIDGE PLUG @ 2010'. NIPPLE DOWN BOP AND CLEAN TANKS. RIG DOWN . RIG RELEASED @ 00:00 HRS 1/03/2013
28.0	1/3/2013	RIG DOWN PREPARE FOR TRUCKS, RETURN ALL RENTAL EQUIPMENT AND 3 HOUSES.
29.0	1/4/2013	RIG DOWN AND CLEAN ON RIG, WAIT ON TRUCKS
30.0	1/5/2013	RIG DOWN AND CLEAN ON RIG, WAIT ON TRUCKS
31.0	1/6/2013	RIG DOWN AND CLEAN ON RIG, WAIT ON TRUCKS
32.0	1/7/2013	START SETTING RIG OUT TO LOAD WITH HAUL TRUCKS, WORK ON FROZEN AIR LINES ON CARRIER. 605 RIGGED DOWN, 0% HAULED.
33.0	1/8/2013	WORK ON FROZEN AIR LINES ON CARRIER, MOVE CARRIER OFF RAMP AND RID DOWN RAMP .
34.0	1/9/2013	PJSM AND MOVE RIG OFF LOCATION TO AZTEC YARD, 60% MOVED, STILL HAVE 3.5" TUBULARS, MUD TANKS, SUBS, FUEL TANK, GAS BUSTER, PARTS HOUSE, 2 JUNK BASKETS AND 3 TRAILERS ON LOCATION. HELD SAFETY STAND DOWN MEETING WITH SSS ON STAYING ON ROADS AND DAMAGE TO INFRASTRUCTURE. AZTEC CREWS WENT HOME AND EXPECT 1 TRUCK TODAY
35.0	1/10/2013	HAULED OFF 4 LOADS, SUBS, 2 FORKLIFTS, PARTS HOUSE. WILL DEFINITELY HAVE RIG GONE ON MONDAY
36.0	1/11/2013	HAULED 3 PIPE TUBS, 2 JUNK BASKETS, GAS BUSTER. NO PERMIT LOADS ALLOWED ON ROADS. STILL HAVE 2 PUMPS, MUD TANK, 3 LOADS OF PIPE, AND PUSHERS SHACK
37.0	1/12/2013	HAULED 2 PUMPS, MUD TANK, 3 LOADS OF PIPE, PUSHERS SHACK, AND FORKLIFT, ALL AZTEC EQUIPMENT IS GONE
38.0	1/13/2013	MOVED TRAILERS AND SUPPORT EQUIPMENT TO RW 23-23B PAD

Definitive Survey

Co:	Native Navigation	Units:	Feet, °, /100ft	VS Az:	150.91	Method:	Minimum Curvature
Drillers:	Wardell / Darnell	Elevation:	4956.20	Map System:	St Plane, NAD83		
Well Name:	JB 4G27-7-21	Northing:	7242764.48	Latitude:	40.186939		
Location:	Uintah County	Easting:	2185539.42	Longitude:	-109.548650		

QEP Energy: JB 4G27-7-21 Svys

No.	MD	CL	Inc.	Azi.	TVD	VS	+N/S-	+E/W-	BR	WR	DLS	Comments
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			RKB
2	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	GL
3	566.00	566.00	0.04	234.44	566.00	-0.02	-0.11	-0.16	0.01	41.42	0.01	Native Navigation
4	659.00	93.00	0.35	290.52	659.00	-0.19	-0.03	-0.45	0.33	60.30	0.35	Native Navigation
5	721.00	62.00	0.21	309.59	721.00	-0.44	0.11	-0.72	-0.23	30.76	0.27	Native Navigation
6	783.00	62.00	0.26	312.49	783.00	-0.68	0.27	-0.91	0.08	4.68	0.08	Native Navigation
7	844.00	61.00	0.48	294.38	844.00	-1.02	0.47	-1.24	0.36	-29.69	0.40	Native Navigation
8	906.00	62.00	0.39	312.05	906.00	-1.43	0.72	-1.64	-0.15	28.50	0.26	Native Navigation
9	966.00	60.00	0.39	292.36	965.99	-1.78	0.93	-1.98	0.00	-32.82	0.22	Native Navigation
10	1029.00	63.00	0.43	281.03	1028.99	-2.10	1.06	-2.41	0.06	-17.98	0.14	Native Navigation
11	1092.00	63.00	0.48	275.84	1091.99	-2.40	1.13	-2.90	0.08	-8.24	0.10	Native Navigation
12	1156.00	64.00	0.43	274.61	1155.99	-2.69	1.18	-3.41	-0.08	-1.92	0.08	Native Navigation
13	1219.00	63.00	0.35	289.11	1218.99	-2.96	1.26	-3.83	-0.13	23.02	0.20	Native Navigation
14	1282.00	63.00	0.35	311.70	1281.99	-3.29	1.45	-4.15	0.00	35.86	0.22	Native Navigation
15	1346.00	64.00	0.48	309.59	1345.98	-3.72	1.75	-4.50	0.20	-3.30	0.20	Native Navigation
16	1409.00	63.00	0.35	255.54	1408.98	-4.02	1.87	-4.89	-0.21	-85.79	0.63	Native Navigation
17	1472.00	63.00	0.48	269.69	1471.98	-4.19	1.82	-5.34	0.21	-22.46	0.26	Native Navigation
18	1536.00	64.00	0.48	262.22	1535.98	-4.42	1.79	-5.88	0.00	-11.67	0.10	Native Navigation
19	1599.00	63.00	0.65	262.95	1598.98	-4.65	1.71	-6.49	-0.27	1.16	0.27	Native Navigation
20	1662.00	63.00	0.65	259.58	1661.97	-4.90	1.60	-7.20	0.00	-5.35	0.06	Native Navigation
21	1726.00	64.00	0.65	241.47	1725.97	-5.02	1.36	-7.88	0.00	-28.30	0.32	Native Navigation
22	1852.00	126.00	1.14	255.06	1851.95	-5.33	0.70	-9.72	0.39	10.79	0.42	Native Navigation
23	1979.00	127.00	1.45	221.26	1978.92	-5.10	-0.84	-12.00	-0.24	-26.61	0.64	Native Navigation
24	2105.00	126.00	1.23	211.16	2104.89	-3.89	-3.19	-13.75	-0.17	-8.02	0.26	Native Navigation
25	2232.00	127.00	1.67	207.20	2231.85	-2.19	-6.01	-15.30	0.35	-3.12	0.36	Native Navigation
26	2358.00	126.00	2.10	249.00	2357.78	-1.50	-8.47	-18.29	0.34	33.17	1.11	Native Navigation
27	2421.00	63.00	1.97	186.02	2420.75	-0.77	-9.96	-19.48	-0.21	-99.97	3.38	Native Navigation
28	2485.00	64.00	1.80	178.98	2484.72	1.02	-12.06	-19.58	-0.27	-11.00	0.45	Native Navigation
29	2548.00	63.00	2.02	167.82	2547.68	2.95	-14.13	-19.33	-0.35	-17.71	0.68	Native Navigation
30	2612.00	64.00	1.58	171.87	2611.65	4.85	-16.11	-18.97	-0.69	6.33	0.72	Native Navigation
31	2675.00	63.00	1.36	149.19	2674.63	6.41	-17.61	-18.46	-0.35	-36.00	0.98	Native Navigation
32	2802.00	127.00	1.63	128.28	2801.59	9.59	-20.02	-16.27	0.21	-16.46	0.48	Native Navigation
33	2928.00	126.00	0.66	170.46	2927.56	11.92	-21.85	-14.74	-0.77	33.48	0.97	Native Navigation
34	3055.00	127.00	0.97	182.24	3054.55	13.53	-23.64	-14.67	0.24	9.28	0.28	Native Navigation
35	3182.00	127.00	1.23	180.84	3181.53	15.63	-26.08	-14.73	0.20	-1.10	0.21	Native Navigation
36	3308.00	126.00	1.14	177.67	3307.50	17.92	-28.69	-14.70	-0.07	-2.52	0.09	Native Navigation

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37	3435.00	127.00	1.36	194.98	3434.47	20.13	-31.40	-15.03	0.17	13.63	0.34	Native Navigation
38	3498.00	63.00	1.62	181.71	3497.45	21.44	-33.02	-15.25	0.41	-21.06	0.68	Native Navigation
39	3561.00	63.00	1.53	144.10	3560.42	23.04	-34.59	-14.79	-0.14	-59.70	1.62	Native Navigation
40	3688.00	127.00	2.02	176.88	3687.37	26.73	-38.20	-13.67	0.39	25.81	0.87	Native Navigation
41	3815.00	127.00	0.50	22.10	3814.34	28.40	-39.92	-13.34	-1.20	-121.87	1.95	Native Navigation
42	3879.00	64.00	0.57	189.44	3878.34	28.47	-39.97	-13.29	0.11	261.47	1.66	Native Navigation
43	3942.00	63.00	0.92	188.39	3941.34	29.12	-40.78	-13.41	0.56	-1.67	0.56	Native Navigation
44	4006.00	64.00	1.27	178.28	4005.33	30.16	-42.00	-13.47	0.55	-15.80	0.62	Native Navigation
45	4069.00	63.00	1.62	177.72	4068.31	31.57	-43.59	-13.41	0.56	-0.89	0.56	Native Navigation
46	4132.00	63.00	1.90	174.20	4131.28	33.32	-45.52	-13.27	0.44	-5.59	0.48	Native Navigation
47	4259.00	127.00	1.32	190.24	4258.23	36.39	-49.05	-13.32	-0.46	12.63	0.57	Native Navigation
48	4386.00	127.00	1.40	188.74	4385.19	38.75	-52.02	-13.81	0.06	-1.18	0.07	Native Navigation
49	4513.00	127.00	2.15	180.48	4512.13	42.04	-55.94	-14.07	0.59	-6.50	0.62	Native Navigation
50	4640.00	127.00	1.36	155.79	4639.07	45.62	-59.70	-13.47	-0.62	-19.44	0.85	Native Navigation
51	4767.00	127.00	1.14	162.11	4766.04	48.36	-62.27	-12.46	-0.17	4.98	0.20	Native Navigation
52	4893.00	126.00	1.01	182.59	4892.02	50.53	-64.58	-12.13	-0.10	16.25	0.32	Native Navigation
53	5020.00	127.00	2.24	206.00	5018.97	52.91	-67.93	-13.27	0.97	18.43	1.08	Native Navigation
54	5083.00	63.00	1.76	213.09	5081.93	54.06	-69.84	-14.34	-0.76	11.25	0.86	Native Navigation
55	5146.00	63.00	1.49	208.43	5144.90	54.95	-71.37	-15.25	-0.43	-7.40	0.48	Native Navigation
56	5210.00	64.00	1.32	216.61	5208.88	55.70	-72.70	-16.09	-0.27	12.78	0.41	Native Navigation
57	5273.00	63.00	1.27	211.59	5271.87	56.35	-73.87	-16.89	-0.08	-7.97	0.20	Native Navigation
58	5337.00	64.00	1.71	210.01	5335.85	57.18	-75.31	-17.74	0.69	-2.47	0.69	Native Navigation
59	5400.00	63.00	2.06	199.46	5398.81	58.42	-77.19	-18.58	0.56	-16.75	0.78	Native Navigation
60	5463.00	63.00	2.33	188.66	5461.77	60.18	-79.52	-19.15	0.43	-17.14	0.78	Native Navigation
61	5527.00	64.00	2.85	183.68	5525.70	62.54	-82.40	-19.45	0.81	-7.78	0.88	Native Navigation
62	5590.00	63.00	3.03	176.96	5588.62	65.36	-85.62	-19.47	0.29	-10.67	0.62	Native Navigation
63	5654.00	64.00	3.16	169.59	5652.52	68.55	-89.05	-19.06	0.20	-11.52	0.65	Native Navigation
64	5717.00	63.00	3.30	167.90	5715.42	71.93	-92.53	-18.36	0.22	-2.68	0.27	Native Navigation
65	5780.00	63.00	3.16	160.71	5778.32	75.37	-95.94	-17.41	-0.22	-11.41	0.68	Native Navigation
66	5843.00	63.00	3.08	163.61	5841.23	78.73	-99.20	-16.36	-0.13	4.60	0.28	Native Navigation
67	5907.00	64.00	3.21	161.41	5905.13	82.17	-102.55	-15.30	0.20	-3.44	0.28	Native Navigation
68	5983.00	76.00	3.38	159.82	5981.01	86.48	-106.67	-13.85	0.22	-2.09	0.25	Native Navigation
69	6046.00	63.00	3.60	163.40	6043.89	90.25	-110.31	-12.64	0.35	5.68	0.49	Native Navigation
70	6078.00	32.00	3.60	164.20	6075.83	92.20	-112.24	-12.08	0.00	2.50	0.16	Native Navigation
71	6110.00	32.00	6.40	152.30	6107.70	94.97	-114.78	-10.98	8.75	-37.19	9.28	Native Navigation
72	6141.00	31.00	9.50	149.50	6138.40	99.25	-118.52	-8.88	10.00	-9.03	10.07	Native Navigation
73	6173.00	32.00	13.70	153.90	6169.74	105.68	-124.20	-5.87	13.12	13.75	13.40	Native Navigation
74	6205.00	32.00	17.50	155.70	6200.56	114.26	-131.99	-2.22	11.87	5.62	11.97	Native Navigation
75	6237.00	32.00	20.70	157.90	6230.79	124.67	-141.62	1.89	10.00	6.87	10.25	Native Navigation
76	6268.00	31.00	23.80	159.00	6259.48	136.30	-152.54	6.19	10.00	3.55	10.09	Native Navigation
77	6300.00	32.00	27.40	160.40	6288.34	149.96	-165.50	10.98	11.25	4.37	11.41	Native Navigation
78	6331.00	31.00	31.30	161.50	6315.35	164.92	-179.87	15.93	12.58	3.55	12.70	Native Navigation

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79	6363.00	32.00	35.20	161.20	6342.11	182.17	-196.49	21.54	12.19	-0.94	12.20	Native Navigation
80	6395.00	32.00	38.90	162.90	6367.64	201.08	-214.83	27.47	11.56	5.31	12.00	Native Navigation
81	6426.00	31.00	42.30	162.60	6391.18	220.83	-234.09	33.45	10.97	-0.97	10.99	Native Navigation
82	6458.00	32.00	46.00	161.20	6414.13	242.70	-255.27	40.38	11.56	-4.38	11.96	Native Navigation
83	6490.00	32.00	50.00	159.80	6435.54	266.15	-277.68	48.33	12.50	-4.38	12.92	Native Navigation
84	6522.00	32.00	54.40	158.90	6455.15	291.15	-301.33	57.25	13.75	-2.81	13.93	Native Navigation
85	6553.00	31.00	58.90	157.50	6472.19	316.83	-325.36	66.87	14.52	-4.52	15.00	Native Navigation
86	6585.00	32.00	62.10	157.00	6487.95	344.51	-351.04	77.64	10.00	-1.56	10.09	Native Navigation
87	6616.00	31.00	64.00	154.90	6502.00	372.03	-376.27	88.90	6.13	-6.77	8.60	Native Navigation
88	6648.00	32.00	67.20	153.60	6515.21	401.12	-402.52	101.57	10.00	-4.06	10.66	Native Navigation
89	6680.00	32.00	70.60	153.10	6526.73	430.94	-429.19	114.96	10.62	-1.56	10.72	Native Navigation
90	6711.00	31.00	74.00	153.00	6536.16	460.45	-455.51	128.34	10.97	-0.32	10.97	Native Navigation
91	6743.00	32.00	77.50	152.40	6544.03	491.45	-483.07	142.56	10.94	-1.88	11.09	Native Navigation
92	6775.00	32.00	79.30	151.90	6550.47	522.78	-510.78	157.21	5.62	-1.56	5.83	Native Navigation
93	6806.00	31.00	80.40	151.70	6555.93	553.29	-537.68	171.63	3.55	-0.65	3.60	Native Navigation
94	6838.00	32.00	82.90	151.70	6560.58	584.95	-565.55	186.63	7.81	0.00	7.81	Native Navigation
95	6870.00	32.00	86.70	151.20	6563.47	616.81	-593.54	201.86	11.87	-1.56	11.98	Native Navigation
96	6901.00	31.00	90.50	150.20	6564.23	647.80	-620.56	217.03	12.26	-3.23	12.67	Native Navigation
97	6933.00	32.00	90.90	149.40	6563.84	679.79	-648.21	233.12	1.25	-2.50	2.80	Native Navigation
98	6964.00	31.00	94.50	148.60	6562.38	710.73	-674.75	249.07	11.61	-2.58	11.90	Native Navigation
99	7005.00	41.00	94.30	148.60	6559.24	751.58	-709.65	270.37	-0.49	0.00	0.49	Native Navigation
100	7037.00	32.00	93.80	149.00	6556.98	783.47	-736.95	286.90	-1.56	1.25	2.00	Native Navigation
101	7068.00	31.00	93.50	148.90	6555.00	814.39	-763.45	302.86	-0.97	-0.32	1.02	Native Navigation
102	7101.00	33.00	93.10	148.80	6553.10	847.32	-791.65	319.90	-1.21	-0.30	1.25	Native Navigation
103	7133.00	32.00	92.00	149.50	6551.68	879.27	-819.09	336.29	-3.44	2.19	4.07	Native Navigation
104	7164.00	31.00	92.10	149.20	6550.57	910.24	-845.74	352.09	0.32	-0.97	1.02	Native Navigation
105	7196.00	32.00	92.00	148.70	6549.42	942.20	-873.14	368.58	-0.31	-1.56	1.59	Native Navigation
106	7228.00	32.00	92.40	148.40	6548.20	974.15	-900.42	385.26	1.25	-0.94	1.56	Native Navigation
107	7260.00	32.00	93.20	148.40	6546.63	1006.08	-927.64	402.01	2.50	0.00	2.50	Native Navigation
108	7291.00	31.00	93.00	147.60	6544.96	1036.99	-953.89	418.41	-0.65	-2.58	2.66	Native Navigation
109	7323.00	32.00	92.90	147.10	6543.31	1068.89	-980.80	435.66	-0.31	-1.56	1.59	Native Navigation
110	7354.00	31.00	93.50	146.30	6541.58	1099.76	-1006.67	452.65	1.94	-2.58	3.22	Native Navigation
111	7386.00	32.00	93.70	145.90	6539.57	1131.58	-1033.18	470.46	0.62	-1.25	1.40	Native Navigation
112	7418.00	32.00	94.00	145.60	6537.42	1163.38	-1059.57	488.43	0.94	-0.94	1.32	Native Navigation
113	7450.00	32.00	93.90	144.70	6535.22	1195.14	-1085.77	506.67	-0.31	-2.81	2.82	Native Navigation
114	7482.00	32.00	93.80	145.50	6533.07	1226.91	-1111.95	524.94	-0.31	2.50	2.51	Native Navigation
115	7514.00	32.00	91.20	143.70	6531.67	1258.68	-1138.01	543.46	-8.13	-5.63	9.88	Native Navigation
116	7546.00	32.00	91.30	143.70	6530.97	1290.42	-1163.79	562.40	0.31	0.00	0.31	Native Navigation
117	7577.00	31.00	91.50	144.00	6530.22	1321.17	-1188.82	580.68	0.64	0.97	1.16	Native Navigation
118	7609.00	32.00	92.00	145.50	6529.24	1352.97	-1214.94	599.14	1.56	4.69	4.94	Native Navigation
119	7641.00	32.00	93.00	146.70	6527.84	1384.83	-1241.47	616.97	3.12	3.75	4.88	Native Navigation
120	7672.00	31.00	93.70	146.90	6526.03	1415.69	-1267.37	633.91	2.26	0.64	2.35	Native Navigation

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121	7698.00	26.00	93.90	149.80	6524.31	1441.61	-1289.45	647.52	0.77	11.15	11.16	Native Navigation
122	7730.00	32.00	94.90	149.70	6521.85	1473.51	-1317.01	663.60	3.12	-0.31	3.14	Native Navigation
123	7762.00	32.00	94.50	149.20	6519.23	1505.39	-1344.47	679.81	-1.25	-1.56	2.00	Native Navigation
124	7793.00	31.00	92.20	149.30	6517.42	1536.32	-1371.07	695.63	-7.42	0.32	7.43	Native Navigation
125	7825.00	32.00	91.90	148.50	6516.28	1568.28	-1398.45	712.15	-0.94	-2.50	2.67	Native Navigation
126	7856.00	31.00	94.10	151.40	6514.65	1599.23	-1425.24	727.65	7.10	9.35	11.73	Native Navigation
127	7888.00	32.00	91.90	150.60	6512.98	1631.18	-1453.19	743.14	-6.88	-2.50	7.31	Native Navigation
128	7918.00	30.00	89.50	150.50	6512.61	1661.18	-1479.31	757.89	-8.00	-0.33	8.01	Native Navigation
129	7951.00	33.00	89.80	151.00	6512.81	1694.18	-1508.10	774.01	0.91	1.51	1.77	Native Navigation
130	7982.00	31.00	91.60	151.10	6512.43	1725.17	-1535.22	789.02	5.81	0.32	5.82	Native Navigation
131	8014.00	32.00	91.70	150.70	6511.51	1757.16	-1563.17	804.57	0.31	-1.25	1.29	Native Navigation
132	8046.00	32.00	93.50	150.70	6510.06	1789.13	-1591.05	820.22	5.62	0.00	5.62	Native Navigation
133	8078.00	32.00	93.90	150.20	6508.00	1821.06	-1618.83	835.96	1.25	-1.56	2.00	Native Navigation
134	8109.00	31.00	93.80	149.90	6505.91	1851.98	-1645.63	851.41	-0.32	-0.97	1.02	Native Navigation
135	8141.00	32.00	93.80	150.40	6503.79	1883.91	-1673.32	867.30	0.00	-1.56	1.56	Native Navigation
136	8172.00	31.00	94.10	150.10	6501.66	1914.83	-1700.17	882.64	0.97	-0.97	1.37	Native Navigation
137	8203.00	31.00	94.20	150.90	6499.41	1945.75	-1727.08	897.87	0.32	2.58	2.59	Native Navigation
138	8235.00	32.00	94.50	150.80	6496.99	1977.66	-1754.95	913.41	0.94	-0.31	0.99	Native Navigation
139	8267.00	32.00	92.70	149.40	6494.98	2009.59	-1782.63	929.33	-5.63	-4.38	7.12	Native Navigation
140	8298.00	31.00	92.70	150.10	6493.52	2040.55	-1809.38	944.93	0.00	2.26	2.26	Native Navigation
141	8330.00	32.00	92.50	148.40	6492.07	2072.50	-1836.85	961.27	-0.63	-5.31	5.34	Native Navigation
142	8362.00	32.00	92.30	149.60	6490.73	2104.46	-1864.26	977.74	-0.63	3.75	3.80	Native Navigation
143	8394.00	32.00	93.20	150.20	6489.19	2136.41	-1891.91	993.77	-2.81	1.87	3.38	Native Navigation
144	8426.00	32.00	93.70	150.30	6487.27	2168.35	-1919.64	1009.62	1.56	0.31	1.59	Native Navigation
145	8458.00	32.00	93.60	149.30	6485.23	2200.28	-1947.24	1025.68	-0.31	-3.13	3.13	Native Navigation
146	8489.00	31.00	92.40	149.70	6483.61	2231.23	-1973.92	1041.40	-3.87	1.29	4.08	Native Navigation
147	8521.00	32.00	93.30	150.00	6482.01	2263.18	-2001.55	1057.45	2.81	0.94	2.96	Native Navigation
148	8553.00	32.00	93.70	149.90	6480.06	2295.12	-2029.20	1073.44	1.25	-0.31	1.29	Native Navigation
149	8585.00	32.00	93.60	152.10	6478.02	2327.05	-2057.13	1088.92	-0.31	6.87	6.87	Native Navigation
150	8616.00	31.00	91.60	153.60	6476.62	2358.00	-2084.68	1103.05	-6.45	4.84	8.06	Native Navigation
151	8648.00	32.00	90.20	152.90	6476.11	2389.97	-2113.25	1117.46	-4.38	-2.19	4.89	Native Navigation
152	8679.00	31.00	91.10	153.10	6475.76	2420.95	-2140.87	1131.53	2.90	0.64	2.97	Native Navigation
153	8711.00	32.00	92.50	153.00	6474.76	2452.91	-2169.38	1146.02	-4.37	-0.31	4.39	Native Navigation
154	8743.00	32.00	93.10	154.20	6473.19	2484.83	-2198.01	1160.23	1.87	3.75	4.19	Native Navigation
155	8774.00	31.00	93.80	154.20	6471.33	2515.73	-2225.87	1173.70	2.26	0.00	2.26	Native Navigation
156	8806.00	32.00	92.10	152.20	6469.68	2547.66	-2254.39	1188.11	-5.31	-6.25	8.20	Native Navigation
157	8838.00	32.00	92.50	153.20	6468.40	2579.61	-2282.81	1202.77	1.25	3.12	3.36	Native Navigation
158	8870.00	32.00	92.20	153.10	6467.09	2611.56	-2311.33	1217.22	-0.94	-0.31	0.99	Native Navigation
159	8901.00	31.00	92.40	153.70	6465.84	2642.51	-2339.03	1231.09	0.64	1.94	2.04	Native Navigation
160	8932.00	31.00	91.30	154.40	6464.84	2673.44	-2366.89	1244.64	-3.55	2.26	4.21	Native Navigation
161	8964.00	32.00	90.90	154.50	6464.23	2705.38	-2395.75	1258.44	-1.25	0.31	1.29	Native Navigation
162	8996.00	32.00	92.90	155.00	6463.17	2737.29	-2424.68	1272.08	6.25	1.56	6.44	Native Navigation

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163	9026.00	30.00	92.00	154.70	6461.88	2767.19	-2451.81	1284.82	-3.00	-1.00	3.16	Native Navigation
164	9058.00	32.00	93.00	155.70	6460.49	2799.07	-2480.83	1298.23	3.12	3.12	4.42	Native Navigation
165	9089.00	31.00	92.90	156.30	6458.89	2829.90	-2509.11	1310.82	-0.32	1.94	1.96	Native Navigation
166	9121.00	32.00	91.40	155.80	6457.69	2861.75	-2538.33	1323.80	-4.69	-1.56	4.94	Native Navigation
167	9152.00	31.00	94.20	156.60	6456.18	2892.58	-2566.66	1336.30	9.03	2.58	9.39	Native Navigation
168	9185.00	33.00	96.20	157.70	6453.19	2925.25	-2596.94	1349.06	6.06	3.33	6.91	Native Navigation
169	9217.00	32.00	96.60	156.80	6449.62	2956.85	-2626.27	1361.36	1.25	-2.81	3.06	Native Navigation
170	9256.00	39.00	95.00	156.00	6445.68	2995.47	-2661.82	1376.89	-4.10	-2.05	4.58	BHA Change
171	9288.00	32.00	93.50	156.10	6443.31	3027.26	-2690.99	1389.84	-4.69	0.31	4.70	Native Navigation
172	9320.00	32.00	91.10	156.30	6442.02	3059.09	-2720.24	1402.75	-7.50	0.62	7.53	Native Navigation
173	9352.00	32.00	92.10	155.30	6441.13	3090.96	-2749.42	1415.86	3.12	-3.13	4.42	Native Navigation
174	9384.00	32.00	91.90	155.30	6440.01	3122.85	-2778.47	1429.22	-0.63	0.00	0.63	Native Navigation
175	9415.00	31.00	91.70	154.90	6439.04	3153.75	-2806.57	1442.27	-0.65	-1.29	1.44	Native Navigation
176	9447.00	32.00	93.10	154.50	6437.70	3185.65	-2835.48	1455.93	4.37	-1.25	4.55	Native Navigation
177	9478.00	31.00	94.00	154.70	6435.78	3216.53	-2863.43	1469.20	2.90	0.64	2.97	Native Navigation
178	9509.00	31.00	94.90	154.90	6433.37	3247.36	-2891.39	1482.36	2.90	0.64	2.97	Native Navigation
179	9541.00	32.00	92.50	154.60	6431.31	3279.22	-2920.27	1495.98	-7.50	-0.94	7.56	Native Navigation
180	9574.00	33.00	92.50	153.80	6429.87	3312.14	-2949.96	1510.33	0.00	-2.42	2.42	Native Navigation
181	9605.00	31.00	92.60	153.80	6428.49	3343.07	-2977.74	1524.00	0.32	0.00	0.32	Native Navigation
182	9637.00	32.00	93.10	153.00	6426.90	3375.00	-3006.32	1538.31	1.56	-2.50	2.95	Native Navigation
183	9669.00	32.00	92.70	153.00	6425.28	3406.93	-3034.80	1552.82	-1.25	0.00	1.25	Native Navigation
184	9700.00	31.00	92.10	153.00	6423.98	3437.89	-3062.39	1566.88	-1.94	0.00	1.94	Native Navigation
185	9732.00	32.00	92.30	152.50	6422.75	3469.85	-3090.82	1581.53	0.62	-1.56	1.68	Native Navigation
186	9763.00	31.00	92.30	152.30	6421.51	3500.81	-3118.27	1595.88	0.00	-0.65	0.64	Native Navigation
187	9795.00	32.00	92.20	152.40	6420.25	3532.78	-3146.59	1610.71	-0.31	0.31	0.44	Native Navigation
188	9826.00	31.00	92.90	151.90	6418.87	3563.74	-3173.98	1625.18	2.26	-1.61	2.77	Native Navigation
189	9857.00	31.00	93.40	151.70	6417.17	3594.69	-3201.26	1639.81	1.61	-0.65	1.74	Native Navigation
190	9889.00	32.00	93.70	151.30	6415.19	3626.62	-3229.32	1655.05	0.94	-1.25	1.56	Native Navigation
191	9921.00	32.00	94.00	151.60	6413.04	3658.55	-3257.37	1670.31	-0.94	0.94	1.32	Native Navigation
192	9953.00	32.00	92.10	150.70	6411.34	3690.50	-3285.36	1685.73	-5.94	-2.81	6.57	Native Navigation
193	9985.00	32.00	92.10	150.70	6410.16	3722.48	-3313.24	1701.38	0.00	0.00	0.00	Native Navigation
194	10017.00	32.00	91.70	150.30	6409.10	3754.46	-3341.08	1717.12	-1.25	-1.25	1.77	Native Navigation
195	10049.00	32.00	92.00	150.60	6408.07	3786.44	-3368.90	1732.90	0.94	0.94	1.33	Native Navigation
196	10080.00	31.00	92.40	151.00	6406.88	3817.42	-3395.94	1748.01	1.29	1.29	1.82	Native Navigation
197	10112.00	32.00	92.70	151.40	6405.46	3849.39	-3423.96	1763.41	0.94	1.25	1.56	Native Navigation
198	10144.00	32.00	92.30	151.90	6404.06	3881.36	-3452.09	1778.59	-1.25	1.56	2.00	Native Navigation
199	10176.00	32.00	94.20	151.20	6402.25	3913.30	-3480.18	1793.81	5.94	-2.19	6.33	Native Navigation
200	10208.00	32.00	94.60	151.50	6399.79	3945.20	-3508.18	1809.11	1.25	0.94	1.56	Native Navigation
201	10240.00	32.00	94.50	151.10	6397.25	3977.10	-3536.16	1824.43	-0.31	-1.25	1.29	Native Navigation
202	10272.00	32.00	94.50	151.50	6394.74	4009.00	-3564.14	1839.75	0.00	1.25	1.25	Native Navigation
203	10303.00	31.00	94.00	150.80	6392.44	4039.92	-3591.22	1854.66	-1.61	-2.26	2.77	Native Navigation
204	10335.00	32.00	94.00	150.90	6390.21	4071.84	-3619.10	1870.21	0.00	0.31	0.31	Native Navigation

Definitive Survey

Co: Native Navigation		Units: Feet, °, "/100ft		VS Az: 150.91		Method: Minimum Curvature						
Drillers: Wardell / Darnell		Elevation: 4956.20		Map System: St Plane, NAD83								
Well Name: JB 4G27-7-21		Northing: 7242764.48		Latitude: 40.186939								
Location: Uintah County		Easting: 2185539.42		Longitude: -109.548650								
QEP Energy: JB 4G27-7-21 Svys												
No.	MD	CL	Inc.	Azi.	TVD	VS	+N/S-	+E/W-	BR	WR	DLS	Comments
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				Surface
2	566.00	566.00	0.04	234.44	566.00	0.02	-0.11	-0.16	0.01	41.42	0.01	Native Navigation
3	659.00	93.00	0.35	290.52	659.00	-0.19	-0.03	-0.45	0.33	60.30	0.35	Native Navigation
4	721.00	62.00	0.21	309.59	721.00	-0.44	0.11	-0.72	-0.23	30.76	0.27	Native Navigation
5	783.00	62.00	0.26	312.49	783.00	-0.68	0.27	-0.91	0.08	4.68	0.08	Native Navigation
6	844.00	61.00	0.48	294.38	844.00	-1.02	0.47	-1.24	0.36	-29.69	0.40	Native Navigation
7	906.00	62.00	0.39	312.05	906.00	-1.43	0.72	-1.64	-0.15	28.50	0.26	Native Navigation
8	966.00	60.00	0.39	292.36	965.99	-1.78	0.93	-1.98	0.00	-32.82	0.22	Native Navigation
9	1029.00	63.00	0.43	281.03	1028.99	-2.10	1.06	-2.41	0.06	-17.98	0.14	Native Navigation
10	1092.00	63.00	0.48	275.84	1091.99	-2.40	1.13	-2.90	0.08	-8.24	0.10	Native Navigation
11	1156.00	64.00	0.43	274.61	1155.99	-2.69	1.18	-3.41	-0.08	-1.92	0.08	Native Navigation
12	1219.00	63.00	0.35	289.11	1218.99	-2.96	1.26	-3.83	-0.13	23.02	0.20	Native Navigation
13	1282.00	63.00	0.35	311.70	1281.99	-3.29	1.45	-4.15	0.00	35.86	0.22	Native Navigation
14	1346.00	64.00	0.48	309.59	1345.98	-3.72	1.75	-4.50	0.20	-3.30	0.20	Native Navigation
15	1409.00	63.00	0.35	255.54	1408.98	-4.02	1.87	-4.89	-0.21	-85.79	0.63	Native Navigation
16	1472.00	63.00	0.48	269.69	1471.98	-4.19	1.82	-5.34	0.21	22.46	0.26	Native Navigation
17	1536.00	64.00	0.48	262.22	1535.98	-4.42	1.79	-5.88	0.00	-11.67	0.10	Native Navigation
18	1599.00	63.00	0.65	262.95	1598.98	-4.65	1.71	-6.49	0.27	1.16	0.27	Native Navigation
19	1662.00	63.00	0.65	259.58	1661.97	-4.90	1.60	-7.20	0.00	-5.35	0.06	Native Navigation
20	1726.00	64.00	0.65	241.47	1725.97	-5.02	1.36	-7.88	0.00	-28.30	0.32	Native Navigation
21	1852.00	126.00	1.14	255.06	1851.95	-5.33	0.70	-9.72	0.39	10.79	0.42	Native Navigation
22	1979.00	127.00	1.45	221.26	1978.92	-5.10	-0.84	-12.00	0.24	-26.61	0.64	Native Navigation
23	2105.00	126.00	1.23	211.16	2104.89	-3.89	-3.19	-13.75	-0.17	-8.02	0.26	Native Navigation
24	2232.00	127.00	1.67	207.20	2231.85	-2.19	-6.01	-15.30	0.35	-3.12	0.36	Native Navigation
25	2358.00	126.00	2.10	249.00	2357.78	-1.50	-8.47	-18.29	0.34	33.17	1.11	Native Navigation
26	2421.00	63.00	1.97	186.02	2420.75	-0.77	-9.96	-19.48	-0.21	-99.97	3.38	Native Navigation
27	2485.00	64.00	1.80	178.98	2484.72	1.02	-12.06	-19.58	-0.27	-11.00	0.45	Native Navigation
28	2548.00	63.00	2.02	167.82	2547.68	2.95	-14.13	-19.33	0.35	-17.71	0.68	Native Navigation
29	2612.00	64.00	1.58	171.87	2611.65	4.85	-16.11	-18.97	-0.69	6.33	0.72	Native Navigation
30	2675.00	63.00	1.36	149.19	2674.63	6.41	-17.61	-18.46	-0.35	-36.00	0.98	Native Navigation
31	2802.00	127.00	1.63	128.28	2801.59	9.59	-20.02	-16.27	0.21	-16.46	0.48	Native Navigation
32	2928.00	126.00	0.66	170.46	2927.56	11.92	-21.85	-14.74	-0.77	33.48	0.97	Native Navigation
33	3055.00	127.00	0.97	182.24	3054.55	13.53	-23.64	-14.67	0.24	9.28	0.28	Native Navigation
34	3182.00	127.00	1.23	180.84	3181.53	15.63	-26.08	-14.73	0.20	-1.10	0.21	Native Navigation
35	3308.00	126.00	1.14	177.67	3307.50	17.92	-28.69	-14.70	-0.07	-2.52	0.09	Native Navigation
36	3435.00	127.00	1.36	194.98	3434.47	20.13	-31.40	-15.03	0.17	13.63	0.34	Native Navigation

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37	3498.00	63.00	1.62	181.71	3497.45	21.44	-33.02	-15.25	0.41	-21.06	0.68	Native Navigation
38	3561.00	63.00	1.53	144.10	3560.42	23.04	-34.59	-14.79	-0.14	-59.70	1.62	Native Navigation
39	3688.00	127.00	2.02	176.88	3687.37	26.73	-38.20	-13.67	0.39	25.81	0.87	Native Navigation
40	3815.00	127.00	0.50	22.10	3814.34	28.40	-39.92	-13.34	-1.20	-121.87	1.95	Native Navigation
41	3879.00	64.00	0.57	189.44	3878.34	28.47	-39.97	-13.29	0.11	261.47	1.66	Native Navigation
42	3942.00	63.00	0.92	188.39	3941.34	29.12	-40.78	-13.41	0.56	-1.67	0.56	Native Navigation
43	4006.00	64.00	1.27	178.28	4005.33	30.16	-42.00	-13.47	0.55	-15.80	0.62	Native Navigation
44	4069.00	63.00	1.62	177.72	4068.31	31.57	-43.59	-13.41	0.56	-0.89	0.56	Native Navigation
45	4132.00	63.00	1.90	174.20	4131.28	33.32	-45.52	-13.27	0.44	-5.59	0.48	Native Navigation
46	4259.00	127.00	1.32	190.24	4258.23	36.39	-49.05	-13.32	-0.46	12.63	0.57	Native Navigation
47	4386.00	127.00	1.40	188.74	4385.19	38.75	-52.02	-13.81	0.06	-1.18	0.07	Native Navigation
48	4513.00	127.00	2.15	180.48	4512.13	42.04	-55.94	-14.07	0.59	-6.50	0.62	Native Navigation
49	4640.00	127.00	1.36	155.79	4639.07	45.62	-59.70	-13.47	-0.62	-19.44	0.85	Native Navigation
50	4767.00	127.00	1.14	162.11	4766.04	48.36	-62.27	-12.46	-0.17	4.98	0.20	Native Navigation
51	4893.00	126.00	1.01	182.59	4892.02	50.53	-64.58	-12.13	-0.10	16.25	0.32	Native Navigation
52	5020.00	127.00	2.24	206.00	5018.97	52.91	-67.93	-13.27	0.97	18.43	1.08	Native Navigation
53	5083.00	63.00	1.76	213.09	5081.93	54.06	-69.84	-14.34	-0.76	11.25	0.86	Native Navigation
54	5146.00	63.00	1.49	208.43	5144.90	54.95	-71.37	-15.25	-0.43	-7.40	0.48	Native Navigation
55	5210.00	64.00	1.32	216.61	5208.88	55.70	-72.70	-16.09	-0.27	12.78	0.41	Native Navigation
56	5273.00	63.00	1.27	211.59	5271.87	56.35	-73.87	-16.89	-0.08	-7.97	0.20	Native Navigation
57	5337.00	64.00	1.71	210.01	5335.85	57.18	-75.31	-17.74	0.69	-2.47	0.69	Native Navigation
58	5400.00	63.00	2.06	199.46	5398.81	58.42	-77.19	-18.58	0.56	-16.75	0.78	Native Navigation
59	5463.00	63.00	2.33	188.66	5461.77	60.18	-79.52	-19.15	0.43	-17.14	0.78	Native Navigation
60	5527.00	64.00	2.85	183.68	5525.70	62.54	-82.40	-19.45	0.81	-7.78	0.88	Native Navigation
61	5590.00	63.00	3.03	176.96	5588.62	65.36	-85.62	-19.47	0.29	-10.67	0.62	Native Navigation
62	5654.00	64.00	3.16	169.59	5652.52	68.55	-89.05	-19.06	0.20	-11.52	0.65	Native Navigation
63	5717.00	63.00	3.30	167.90	5715.42	71.93	-92.53	-18.36	0.22	-2.68	0.27	Native Navigation
64	5780.00	63.00	3.16	160.71	5778.32	75.37	-95.94	-17.41	-0.22	-11.41	0.68	Native Navigation
65	5843.00	63.00	3.08	163.61	5841.23	78.73	-99.20	-16.36	-0.13	4.60	0.28	Native Navigation
66	5907.00	64.00	3.21	161.41	5905.13	82.17	-102.55	-15.30	0.20	-3.44	0.28	Native Navigation
67	5983.00	76.00	3.38	159.82	5981.01	86.48	-106.67	-13.85	0.22	-2.09	0.25	Native Navigation
68	6046.00	63.00	3.60	163.40	6043.89	90.25	-110.31	-12.64	0.35	5.68	0.49	Native Navigation
69	6078.00	32.00	3.60	164.20	6075.83	92.20	-112.24	-12.08	0.00	2.50	0.16	Native Navigation
70	6110.00	32.00	6.40	152.30	6107.70	94.97	-114.78	-10.98	8.75	-37.19	9.28	Native Navigation
71	6141.00	31.00	9.50	149.50	6138.40	99.25	-118.52	-8.88	10.00	-9.03	10.07	Native Navigation
72	6173.00	32.00	13.70	153.90	6169.74	105.68	-124.20	-5.87	13.12	13.75	13.40	Native Navigation
73	6205.00	32.00	17.50	155.70	6200.56	114.26	-131.99	-2.22	11.87	5.62	11.97	Native Navigation
74	6237.00	32.00	20.70	157.90	6230.79	124.67	-141.62	1.89	10.00	6.87	10.25	Native Navigation
75	6268.00	31.00	23.80	159.00	6259.48	136.30	-152.54	6.19	10.00	3.55	10.09	Native Navigation
76	6300.00	32.00	27.40	160.40	6288.34	149.96	-165.50	10.98	11.25	4.37	11.41	Native Navigation
77	6331.00	31.00	31.30	161.50	6315.35	164.92	-179.87	15.93	12.58	3.55	12.70	Native Navigation
78	6363.00	32.00	35.20	161.20	6342.11	182.17	-196.49	21.54	12.19	-0.94	12.20	Native Navigation

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79	6395.00	32.00	38.90	162.90	6367.64	201.08	-214.83	27.47	11.56	5.31	12.00	Native Navigation
80	6426.00	31.00	42.30	162.60	6391.18	220.83	-234.09	33.45	10.97	-0.97	10.99	Native Navigation
81	6458.00	32.00	46.00	161.20	6414.13	242.70	-255.27	40.38	11.56	-4.38	11.96	Native Navigation
82	6490.00	32.00	50.00	159.80	6435.54	266.15	-277.68	48.33	12.50	-4.38	12.92	Native Navigation
83	6522.00	32.00	54.40	158.90	6455.15	291.15	-301.33	57.25	13.75	-2.81	13.93	Native Navigation
84	6553.00	31.00	58.90	157.50	6472.19	316.83	-325.36	66.87	14.52	-4.52	15.00	Native Navigation
85	6585.00	32.00	62.10	157.00	6487.95	344.51	-351.04	77.64	10.00	-1.56	10.09	Native Navigation
86	6616.00	31.00	64.00	154.90	6502.00	372.03	-376.27	88.90	6.13	-6.77	8.60	Native Navigation
87	6648.00	32.00	67.20	153.60	6515.21	401.12	-402.52	101.57	10.00	-4.05	10.66	Native Navigation
88	6680.00	32.00	70.60	153.10	6526.73	430.94	-429.19	114.96	10.62	-1.56	10.72	Native Navigation
89	6711.00	31.00	74.00	153.00	6536.16	460.45	-455.51	128.34	10.97	-0.32	10.97	Native Navigation
90	6743.00	32.00	77.50	152.40	6544.03	491.45	-483.07	142.56	10.94	-1.88	11.09	Native Navigation
91	6775.00	32.00	79.30	151.90	6550.47	522.78	-510.78	157.21	5.62	-1.56	5.83	Native Navigation
92	6806.00	31.00	80.40	151.70	6555.93	553.29	-537.68	171.63	3.55	-0.65	3.60	Native Navigation
93	6838.00	32.00	82.90	151.70	6560.58	584.95	-565.55	186.63	7.81	0.00	7.81	Native Navigation
94	6870.00	32.00	86.70	151.20	6563.47	616.81	-593.54	201.86	11.87	-1.56	11.98	Native Navigation
95	6901.00	31.00	90.50	150.20	6564.23	647.80	-620.56	217.03	12.26	-3.23	12.67	Native Navigation
96	6933.00	32.00	90.90	149.40	6563.84	679.79	-648.21	233.12	1.25	-2.50	2.80	Native Navigation
97	6964.00	31.00	94.50	148.60	6562.38	710.73	-674.75	249.07	11.61	-2.58	11.90	Native Navigation
98	7005.00	41.00	94.30	148.60	6559.24	751.58	-709.65	270.37	-0.49	0.00	0.49	Native Navigation
99	7037.00	32.00	93.80	149.00	6556.98	783.47	-736.95	286.90	-1.56	1.25	2.00	Native Navigation
100	7068.00	31.00	93.50	148.90	6555.00	814.39	-763.45	302.86	-0.97	-0.32	1.02	Native Navigation
101	7101.00	33.00	93.10	148.80	6553.10	847.32	-791.65	319.90	-1.21	-0.30	1.25	Native Navigation
102	7133.00	32.00	92.00	149.50	6551.68	879.27	-819.09	336.29	-3.44	2.19	4.07	Native Navigation
103	7164.00	31.00	92.10	149.20	6550.57	910.24	-845.74	352.09	0.32	-0.97	1.02	Native Navigation
104	7196.00	32.00	92.00	148.70	6549.42	942.20	-873.14	368.58	-0.31	-1.56	1.59	Native Navigation
105	7228.00	32.00	92.40	148.40	6548.20	974.15	-900.42	385.26	1.25	-0.94	1.56	Native Navigation
106	7260.00	32.00	93.20	148.40	6546.63	1006.08	-927.64	402.01	2.50	0.00	2.50	Native Navigation
107	7291.00	31.00	93.00	147.60	6544.96	1036.99	-953.89	418.41	-0.65	-2.58	2.66	Native Navigation
108	7323.00	32.00	92.90	147.10	6543.31	1068.89	-980.80	435.66	-0.31	-1.56	1.59	Native Navigation
109	7354.00	31.00	93.50	146.30	6541.58	1099.76	-1006.67	452.65	1.94	-2.58	3.22	Native Navigation
110	7386.00	32.00	93.70	145.90	6539.57	1131.58	-1033.18	470.46	0.62	-1.25	1.40	Native Navigation
111	7418.00	32.00	94.00	145.60	6537.42	1163.38	-1059.57	488.43	0.94	-0.94	1.32	Native Navigation
112	7450.00	32.00	93.90	144.70	6535.22	1195.14	-1085.77	506.67	-0.31	-2.81	2.82	Native Navigation
113	7482.00	32.00	93.80	145.50	6533.07	1226.91	-1111.95	524.94	-0.31	2.50	2.51	Native Navigation
114	7514.00	32.00	91.20	143.70	6531.67	1258.68	-1138.01	543.46	-8.13	-5.63	9.88	Native Navigation
115	7546.00	32.00	91.30	143.70	6530.97	1290.42	-1163.79	562.40	0.31	0.00	0.31	Native Navigation
116	7577.00	31.00	91.50	144.00	6530.22	1321.17	-1188.82	580.68	0.64	0.97	1.16	Native Navigation
117	7609.00	32.00	92.00	145.50	6529.24	1352.97	-1214.94	599.14	1.56	4.69	4.94	Native Navigation
118	7641.00	32.00	93.00	146.70	6527.84	1384.83	-1241.47	616.97	3.12	3.75	4.88	Native Navigation
119	7672.00	31.00	93.70	146.90	6526.03	1415.69	-1267.37	633.91	2.26	0.64	2.35	Native Navigation
120	7698.00	26.00	93.90	149.80	6524.31	1441.61	-1289.45	647.52	0.77	11.15	11.16	Native Navigation

Definitive Survey

121	7730.00	32.00	94.90	149.70	6521.85	1473.51	-1317.01	663.60	3.12	-0.31	3.14	Native Navigation
122	7762.00	32.00	94.50	149.20	6519.23	1505.39	-1344.47	679.81	-1.25	-1.56	2.00	Native Navigation
123	7793.00	31.00	92.20	149.30	6517.42	1536.32	-1371.07	695.63	-7.42	0.32	7.43	Native Navigation
124	7825.00	32.00	91.90	148.50	6516.28	1568.28	-1398.45	712.15	-0.94	-2.50	2.67	Native Navigation
125	7856.00	31.00	94.10	151.40	6514.65	1599.23	-1425.24	727.65	7.10	9.35	11.73	Native Navigation
126	7888.00	32.00	91.90	150.60	6512.98	1631.18	-1453.19	743.14	-6.88	-2.50	7.31	Native Navigation
127	7918.00	30.00	89.50	150.50	6512.61	1661.18	-1479.31	757.89	-8.00	-0.33	8.01	Native Navigation
128	7951.00	33.00	89.80	151.00	6512.81	1694.18	-1508.10	774.01	0.91	1.51	1.77	Native Navigation
129	7982.00	31.00	91.60	151.10	6512.43	1725.17	-1535.22	789.02	5.81	0.32	5.82	Native Navigation
130	8014.00	32.00	91.70	150.70	6511.51	1757.16	-1563.17	804.57	0.31	-1.25	1.29	Native Navigation
131	8046.00	32.00	93.50	150.70	6510.06	1789.13	-1591.05	820.22	5.62	0.00	5.62	Native Navigation
132	8078.00	32.00	93.90	150.20	6508.00	1821.06	-1618.83	835.96	1.25	-1.56	2.00	Native Navigation
133	8109.00	31.00	93.80	149.90	6505.91	1851.98	-1645.63	851.41	-0.32	-0.97	1.02	Native Navigation
134	8141.00	32.00	93.80	150.40	6503.79	1883.91	-1673.32	867.30	0.00	1.56	1.56	Native Navigation
135	8172.00	31.00	94.10	150.10	6501.66	1914.83	-1700.17	882.64	0.97	-0.97	1.37	Native Navigation
136	8203.00	31.00	94.20	150.90	6499.41	1945.75	-1727.08	897.87	0.32	2.58	2.59	Native Navigation
137	8235.00	32.00	94.50	150.80	6496.99	1977.66	-1754.95	913.41	0.94	-0.31	0.99	Native Navigation
138	8267.00	32.00	92.70	149.40	6494.98	2009.59	-1782.63	929.33	-5.63	-4.38	7.12	Native Navigation
139	8298.00	31.00	92.70	150.10	6493.52	2040.55	-1809.38	944.93	0.00	2.26	2.26	Native Navigation
140	8330.00	32.00	92.50	148.40	6492.07	2072.50	-1836.85	961.27	-0.63	-5.31	5.34	Native Navigation
141	8362.00	32.00	92.30	149.60	6490.73	2104.46	-1864.26	977.74	-0.63	3.75	3.80	Native Navigation
142	8394.00	32.00	93.20	150.20	6489.19	2136.41	-1891.91	993.77	2.81	1.87	3.38	Native Navigation
143	8426.00	32.00	93.70	150.30	6487.27	2168.35	-1919.64	1009.62	1.56	0.31	1.59	Native Navigation
144	8458.00	32.00	93.60	149.30	6485.23	2200.28	-1947.24	1025.68	-0.31	-3.13	3.13	Native Navigation
145	8489.00	31.00	92.40	149.70	6483.61	2231.23	-1973.92	1041.40	-3.87	1.29	4.08	Native Navigation
146	8521.00	32.00	93.30	150.00	6482.01	2263.18	-2001.55	1057.45	2.81	0.94	2.96	Native Navigation
147	8553.00	32.00	93.70	149.90	6480.06	2295.12	-2029.20	1073.44	1.25	-0.31	1.29	Native Navigation
148	8585.00	32.00	93.60	152.10	6478.02	2327.05	-2057.13	1088.92	-0.31	6.87	6.87	Native Navigation
149	8616.00	31.00	91.60	153.60	6476.62	2358.00	-2084.68	1103.05	-6.45	4.84	8.06	Native Navigation
150	8648.00	32.00	90.20	152.90	6476.11	2389.97	-2113.25	1117.46	-4.38	-2.19	4.89	Native Navigation
151	8679.00	31.00	91.10	153.10	6475.76	2420.95	-2140.87	1131.53	-2.90	0.64	2.97	Native Navigation
152	8711.00	32.00	92.50	153.00	6474.76	2452.91	-2169.38	1146.02	4.37	-0.31	4.39	Native Navigation
153	8743.00	32.00	93.10	154.20	6473.19	2484.83	-2198.01	1160.23	1.87	3.75	4.19	Native Navigation
154	8774.00	31.00	93.80	154.20	6471.33	2515.73	-2225.87	1173.70	2.26	0.00	2.26	Native Navigation
155	8806.00	32.00	92.10	152.20	6469.68	2547.66	-2254.39	1188.11	-5.31	-6.25	8.20	Native Navigation
156	8838.00	32.00	92.50	153.20	6468.40	2579.61	-2282.81	1202.77	1.25	3.12	3.36	Native Navigation
157	8870.00	32.00	92.20	153.10	6467.09	2611.56	-2311.33	1217.22	-0.94	-0.31	0.99	Native Navigation
158	8901.00	31.00	92.40	153.70	6465.84	2642.51	-2339.03	1231.09	0.64	1.94	2.04	Native Navigation
159	8932.00	31.00	91.30	154.40	6464.84	2673.44	-2366.89	1244.64	-3.55	2.26	4.21	Native Navigation
160	8964.00	32.00	90.90	154.50	6464.23	2705.38	-2395.75	1258.44	-1.25	0.31	1.29	Native Navigation
161	8996.00	32.00	92.90	155.00	6463.17	2737.29	-2424.68	1272.08	6.25	1.56	6.44	Native Navigation
162	9026.00	30.00	92.00	154.70	6461.88	2767.19	-2451.81	1284.82	-3.00	-1.00	3.16	Native Navigation

Definitive Survey

163	9058.00	32.00	93.00	155.70	6460.49	2799.07	-2480.83	1298.23	3.12	3.12	4.42	Native Navigation
164	9089.00	31.00	92.90	156.30	6458.89	2829.90	-2509.11	1310.82	-0.32	1.94	1.96	Native Navigation
165	9121.00	32.00	91.40	155.80	6457.69	2861.75	-2538.33	1323.80	-4.69	-1.56	4.94	Native Navigation
166	9152.00	31.00	94.20	156.60	6456.18	2892.58	-2566.66	1336.30	9.03	2.58	9.39	Native Navigation
167	9185.00	33.00	96.20	157.70	6453.19	2925.25	-2596.94	1349.06	6.06	3.33	6.91	Native Navigation
168	9217.00	32.00	96.60	156.80	6449.62	2956.85	-2626.27	1361.36	1.25	-2.81	3.06	Native Navigation
169	9256.00	39.00	95.00	156.00	6445.68	2995.47	-2661.82	1376.89	-4.10	-2.05	4.58	BHA Change
170	9288.00	32.00	93.50	156.10	6443.31	3027.26	-2690.99	1389.84	-4.69	0.31	4.70	Native Navigation
171	9320.00	32.00	91.10	156.30	6442.02	3059.09	-2720.24	1402.75	-7.50	0.62	7.53	Native Navigation
172	9352.00	32.00	92.10	155.30	6441.13	3090.96	-2749.42	1415.86	3.12	-3.13	4.42	Native Navigation
173	9384.00	32.00	91.90	155.30	6440.01	3122.85	-2778.47	1429.22	-0.63	0.00	0.63	Native Navigation
174	9415.00	31.00	91.70	154.90	6439.04	3153.75	-2806.57	1442.27	-0.65	-1.29	1.44	Native Navigation
175	9447.00	32.00	93.10	154.50	6437.70	3185.65	-2835.48	1455.93	4.37	-1.25	4.55	Native Navigation
176	9478.00	31.00	94.00	154.70	6435.78	3216.53	-2863.43	1469.20	2.90	0.64	2.97	Native Navigation
177	9509.00	31.00	94.90	154.90	6433.37	3247.36	-2891.39	1482.36	2.90	0.64	2.97	Native Navigation
178	9541.00	32.00	92.50	154.60	6431.31	3279.22	-2920.27	1495.98	-7.50	-0.94	7.56	Native Navigation
179	9574.00	33.00	92.50	153.80	6429.87	3312.14	-2949.96	1510.33	0.00	-2.42	2.42	Native Navigation
180	9605.00	31.00	92.60	153.80	6428.49	3343.07	-2977.74	1524.00	0.32	0.00	0.32	Native Navigation
181	9637.00	32.00	93.10	153.00	6426.90	3375.00	-3006.32	1538.31	1.56	-2.50	2.95	Native Navigation
182	9669.00	32.00	92.70	153.00	6425.28	3406.93	-3034.80	1552.82	-1.25	0.00	1.25	Native Navigation
183	9700.00	31.00	92.10	153.00	6423.98	3437.89	-3062.39	1566.88	-1.94	0.00	1.94	Native Navigation
184	9732.00	32.00	92.30	152.50	6422.75	3469.85	-3090.82	1581.53	0.62	-1.56	1.68	Native Navigation
185	9763.00	31.00	92.30	152.30	6421.51	3500.81	-3118.27	1595.88	0.00	-0.65	0.64	Native Navigation
186	9795.00	32.00	92.20	152.40	6420.25	3532.78	-3146.59	1610.71	-0.31	0.31	0.44	Native Navigation
187	9826.00	31.00	92.90	151.90	6418.87	3563.74	-3173.98	1625.18	2.26	-1.61	2.77	Native Navigation
188	9857.00	31.00	93.40	151.70	6417.17	3594.69	-3201.26	1639.81	1.61	-0.65	1.74	Native Navigation
189	9889.00	32.00	93.70	151.30	6415.19	3626.62	-3229.32	1655.05	0.94	-1.25	1.56	Native Navigation
190	9921.00	32.00	94.00	151.60	6413.04	3658.55	-3257.37	1670.31	0.94	0.94	1.32	Native Navigation
191	9953.00	32.00	92.10	150.70	6411.34	3690.50	-3285.36	1685.73	-5.94	-2.81	6.57	Native Navigation
192	9985.00	32.00	92.10	150.70	6410.16	3722.48	-3313.24	1701.38	0.00	0.00	0.00	Native Navigation
193	10017.00	32.00	91.70	150.30	6409.10	3754.46	-3341.08	1717.12	-1.25	-1.25	1.77	Native Navigation
194	10049.00	32.00	92.00	150.60	6408.07	3786.44	-3368.90	1732.90	0.94	0.94	1.33	Native Navigation
195	10080.00	31.00	92.40	151.00	6406.88	3817.42	-3395.94	1748.01	1.29	1.29	1.82	Native Navigation
196	10112.00	32.00	92.70	151.40	6405.46	3849.39	-3423.96	1763.41	0.94	1.25	1.56	Native Navigation
197	10144.00	32.00	92.30	151.90	6404.06	3881.36	-3452.09	1778.59	-1.25	1.56	2.00	Native Navigation
198	10176.00	32.00	94.20	151.20	6402.25	3913.30	-3480.18	1793.81	5.94	-2.19	6.33	Native Navigation
199	10208.00	32.00	94.60	151.50	6399.79	3945.20	-3508.18	1809.11	1.25	0.94	1.56	Native Navigation
200	10240.00	32.00	94.50	151.10	6397.25	3977.10	-3536.16	1824.43	-0.31	-1.25	1.29	Native Navigation
201	10272.00	32.00	94.50	151.50	6394.74	4009.00	-3564.14	1839.75	0.00	1.25	1.25	Native Navigation
202	10303.00	31.00	94.00	150.80	6392.44	4039.92	-3591.22	1854.66	-1.61	-2.26	2.77	Native Navigation
203	10335.00	32.00	94.00	150.90	6390.21	4071.84	-3619.10	1870.21	0.00	0.31	0.31	Native Navigation
204	10367.00	32.00	94.30	150.70	6387.90	4103.76	-3646.96	1885.78	0.94	-0.63	1.13	Native Navigation

Definitive Survey

205	10399.00	32.00	94.10	150.20	6385.55	4135.67	-3674.72	1901.52	-0.63	-1.56	1.68	Native Navigation
206	10431.00	32.00	94.80	151.00	6383.07	4167.57	-3702.52	1917.18	2.19	2.50	3.32	Native Navigation
207	10473.00	42.00	94.80	151.00	6379.56	4209.42	-3739.12	1937.47	0.00	0.00	0.00	TD

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[Redacted]

[Redacted]



United States Department of the Interior



BUREAU OF LAND MANAGEMENT

Utah State Office

440 West 200 South, Suite 500

Salt Lake City, UT 84101

<http://www.blm.gov/ut/st/en.html>

RECEIVED

MAY 23 2014

DIV. OF OIL GAS & MINING

IN REPLY REFER TO:
3160 – UTU86617X
(UT922000)

MAY 20 2014

QEP Energy Company
Independence Plaza
1050 17th Street, Suite 500
Denver, Colorado 80265

Re: Non-Paying Well Determination
JB 4G-27-7-21 Well, Johnson Bottom Unit
Uintah County, Utah

Dear Mr. Chavez:

Pursuant to your request of May 6, 2014, it has been determined by this office that under existing conditions the following well is not capable of producing unitized substances in paying quantities as defined in Section 9 of the unit agreement:

API Number	Well Name	Surface	Location	Comp. Date	Lease
43-047-39180	JB 4G-27-7-21	NWNW 27	7.0 S 21.0 E SLB&M	2/1/2013	UTU16551

All past and future production from this well shall be handled and reported on a lease basis. If you have any questions, please contact Mickey Coulthard of this office at (801) 539-4042.

Sincerely,

Becky J. Hammond
Acting Chief, Branch of Minerals

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-16551
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:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: JB 4G-27-7-21
2. NAME OF OPERATOR: QEP ENERGY COMPANY	9. API NUMBER: 43047391800000
3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078	PHONE NUMBER: 303 308-3068 Ext
9. FIELD and POOL or WILDCAT: BRENNAN BOTTOM	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0770 FNL 0699 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 27 Township: 07.0S Range: 21.0E Meridian: S	COUNTY: UINTAH STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 10/28/2014 <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 checked="" 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 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.

QEP ENERGY COMPANY REQUESTS APPROVAL TO RECOMPLETE THE JB 4G-27-7-21 BY ADDING ADDITIONAL PERFORATIONS TO THE GREEN RIVER FORMATION. SEE ATTACHED PROCEDURES.

Accepted by the Utah Division of Oil, Gas and Mining

Date: ~~November 12, 2014~~

By: *Derek Duff*

NAME (PLEASE PRINT) Benna Muth	PHONE NUMBER 435 781-4320	TITLE Regulatory Assistant
SIGNATURE N/A		DATE 10/28/2014

QEP Energy requests approval to recomplete the JB 4G-27-7-21 by adding additional perforations to the Green River formation as follows:

1. Set a CFP at 5920'.
2. Stage 1:
 - a. 5579'-5580', 3spf, frac with crosslink fluid.
 - b. 5588'-5590', 3spf, frac with crosslink fluid.
 - c. 5617'-5618', 3spf, frac with crosslink fluid.
 - d. 5663'-5664', 3spf, frac with crosslink fluid.
 - e. 5673'-5675', 3spf, frac with crosslink fluid.
 - f. 5707'-5708', 3spf, frac with crosslink fluid.
 - g. 5717'-5719', 3spf, frac with crosslink fluid.
 - h. 5770'-5771', 3spf, frac with crosslink fluid.
 - i. 5829'-5830', 3spf, frac with crosslink fluid.
 - j. 5852'-5854', 3spf, frac with crosslink fluid.
 - k. 5880'-5882', 3spf, frac with crosslink fluid.
3. Return well to production.
4. Drill up frac plug after the frac fluid is recovered to restore existing production.