

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate*
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires December 31, 1991

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL DEEPEN

b. TYPE OF WELL

OIL WELL GAS-WELL OTHER _____ SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR

Chevron U.S.A. Production Company, Inc.

3. ADDRESS AND TELEPHONE NO.

11002 E. 17500 S. Vernal, Utah 84078 (801) 781-4300

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

At surface
726' FNL & 2200' FEL, NWNE
271 670
At proposed prod. Zone
Same

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

±28 miles south of Vernal, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.

726'

(Also to nearest drlg. Unit line, if any)

16. NO. OF ACRES IN LEASE

160

17. NO. OF ACRES ASSIGNED TO THIS WELL

NA

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

2619'

19. PROPOSED DEPTH

7400'

20. ROTARY OR CABLE TOOLS

Rotary

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

4797' GL

12. COUNTY OR PARISH

Uintah

13. STATE

UT

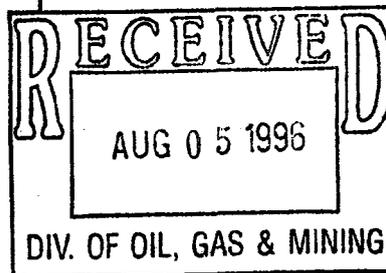
22. APPROX. DATE WORK WILL START*

August 20, 1996

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	K-55 8-5/8"	24#	600'	300 SX. CLASS A
7-7/8"	N-80 5-1/2"	17#	7400'	665 SX. HI-FILL STD. LEAD, 720 SX. CLASS H TAIL

Attachments: Certified Plat
8 Point Drilling Plan
13 Point Surface Use Plan
Self-certification Statement



24. SIGNED

[Signature]

TITLE

ASSET TEAM LEADER

DATE

7-31-96

(This space for Federal or State office use)

PERMIT NO.

43-047-32779

APPROVAL DATE

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

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

[Signature]

TITLE

Production Engineer

DATE

11/20/96

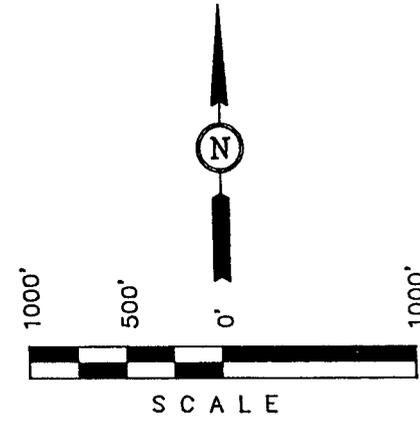
*See Instructions On Reverse Side

CHEVRON U.S.A., INC.

Well location, BRENNAN FEDERAL UNIT #12, located as shown in the NW 1/4 NE 1/4 of Section 18, T7S, R21E, S.L.B.&M. Uintah County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHEAST CORNER OF SECTION 18, T7S, R21E, S.L.B.&M. TAKEN FROM THE BRENNAN BASIN, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4698 FEET.



CERTIFICATE

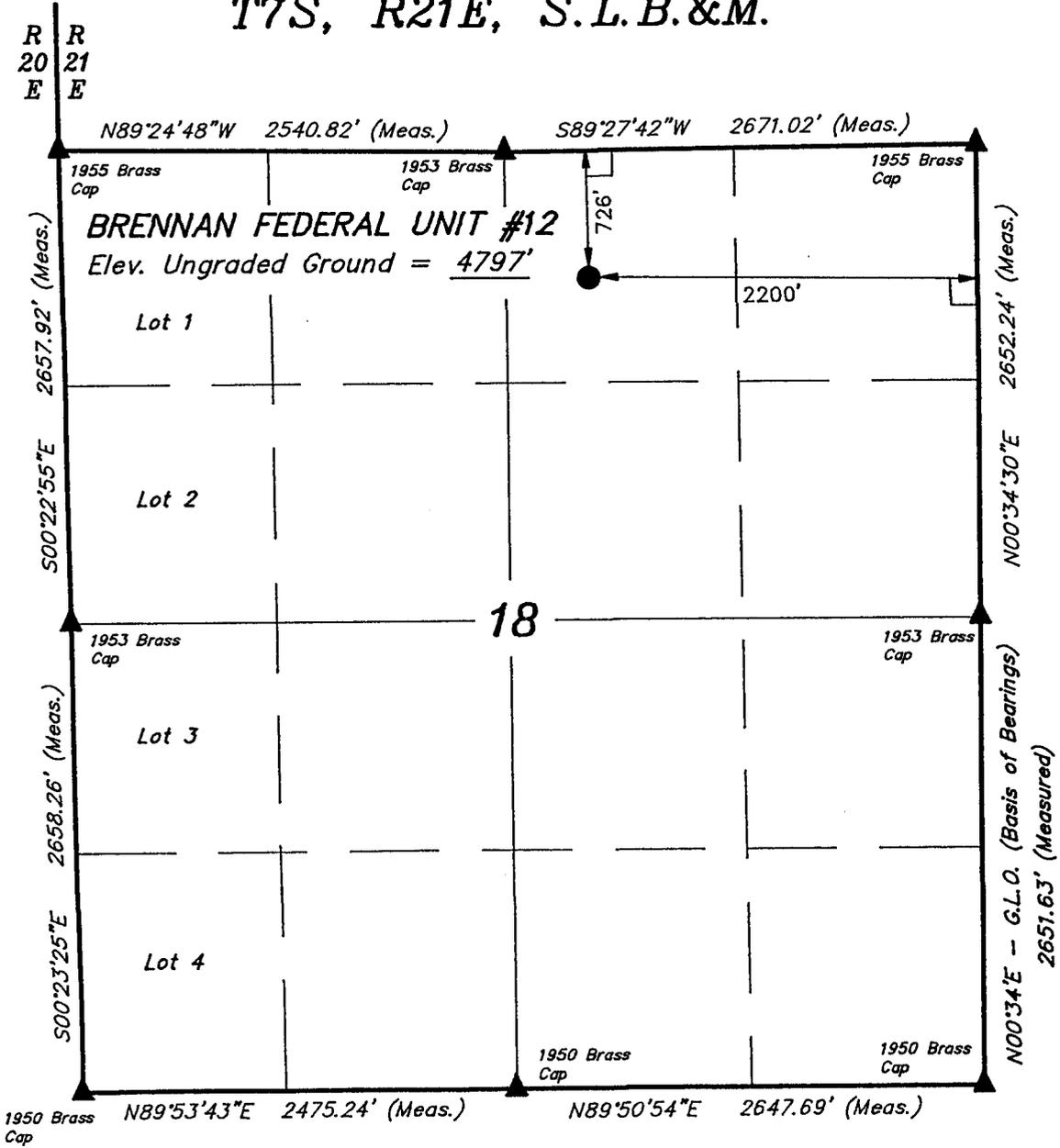
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Robert L. Kay
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 501319
 STATE OF UTAH

Revised: 7-29-96 C.B.T.

UINTAH ENGINEERING & LAND SURVEYING 85 SOUTH 200 EAST - VERNAL, UTAH 84078 (801) 789-1017		
SCALE 1" = 1000'	DATE SURVEYED: 6-18-96	DATE DRAWN: 6-19-96
PARTY B.B. M.C. C.B.T.	REFERENCES G.L.O. PLAT	
WEATHER HOT	FILE CHEVRON U.S.A., INC.	

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



LEGEND:

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

CHEVRON USA PRODUCTION CO.

BRENNAN FEDERAL #12
726' FNL & 2200' FEL
NWNE-S18-T7S-R21E
UINTAH COUNTY, UTAH

EIGHT POINT DRILLING PLAN

1. ESTIMATED FORMATION TOPS:

Uinta	Surface
Green River	~3248'
Oil Shale	~4808'
G1 Lime	~6731'
H4a Marker	~6938'
Wasatch	~7048'

2. ESTIMATED DEPTHS OF TOP AND BOTTOM OF WATER, OIL, GAS, OR OTHER MINERAL BEARING FORMATIONS AND PLAN FOR PROTECTION:

Deepest Fresh Water: ~1750', Uinta Formation.

Oil Shale: Oil shale is expected between depths of ~4808-5138'.

Oil: Oil is expected in several intervals between the depths of 6731' and 7148'.

Protection of oil, gas, water, or other mineral bearing formations:
Protection shall be accomplished by cementing surface casing and production casing back to the surface or to depths sufficient to isolate required formations. Please refer to casing and cement information for protection plans.

3. PRESSURE CONTROL EQUIPMENT:

For drilling 12-1/4" surface hole to 600':

No BOP equipment required.

BRENNAN FEDERAL #12 - EIGHT POINT DRILLING PLAN

For drilling through 8.625" surface casing to TD:

Maximum anticipated surface pressure <1600 psi

Pressure control equipment shall be in accordance with BLM minimum standards for 3000 psi equipment.

A casing head with an 11", 3000 psi flange will be welded onto the 8.625" surface casing.

BOP stack will consist of a double gate and annular preventor. The double gate will be equipped with pipe rams on bottom and blind rams on top. The choke and kill lines will be connected to outlets between the bottom and top rams, utilizing either the ram body outlets or a drilling spool with side outlets. The BOP stack will be 9" or 11" bore, 3000 psi working pressure. The choke and kill lines will be 2" or 3" bore, 3000 psi working pressure. Please refer to attached schematics.

Test procedure and frequency shall be in accordance with BLM minimum standards for 3000 psi equipment.

4. SUPPLEMENTAL DRILLING EQUIPMENT AND CASING INFORMATION:

Casing Information:

Casing	Conn.	New/ Used	Stage Tool	Centralizers
8.625"	STC	New	None	10' above shoe, on 1st and 3rd collars
5.5"	LTC	New	None	10' above shoe, every other collar to top of pay

Cement Information:

8.625" Casing: Oilfield type cement circulated in. Class A single slurry mixed to 15.6 ppg, yield = 1.19 cf/sx. Fill to surface with 357 cf (300 sx). Tail pump used. Allowed to set under pressure.

BRENNAN FEDERAL #12 - EIGHT POINT DRILLING PLAN

5.5" Casing: Lead/tail oilfield type cement circulated in.

Tail slurry - 50/50 Class H/pozzolan + 2% gel + additives as required mixed to 14.1 ppg, yield = 1.23 cf/sx; or Class G + 12.5 lb/sx. gilsonite + additives as required mixed to 14.8 ppg, yield = 1.34 cf/sx. Fill to ~6100' (~500' above top of pay) with 312 cf (254 sx. or 233 sx.).

Lead slurry - Class A + extender + additives mixed to 11.0 ppg, yield = 3.82 cf/sx. Fill to surface using ~1602 cf (419 sx.).

Tail plug used. Allowed to set under pressure.

Drilling Equipment:

Surface hole will be drilled and surface casing set with a small rotary surface hole rig.

A rotating head may be used while drilling below surface casing for control of gas cut mud.

5. CIRCULATING MEDIUM, MUD TYPE, MINIMUM QUANTITIES OF WEIGHT MATERIAL, AND MONITORING EQUIPMENT:

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 base of surface casing to TD.

BRENNAN FEDERAL #12 - EIGHT POINT DRILLING PLAN

6. ANTICIPATED TYPE AND AMOUNT OF TESTING, LOGGING, AND CORING:

Logging:

Mud logging	~560' to TD
Gamma Ray	TD to ~560'
Spontaneous Potential	TD to ~560'
Induction	TD to ~560'
Density/Neutron	TD to 3500'
Sonic	None
Formation Micro Imager	None
Magnetic Resonance Imager	TD to 6681'

Coring: None

Testing: None planned.

7. EXPECTED BOTTOM HOLE PRESSURE AND ANY ANTICIPATED ABNORMAL PRESSURE, TEMPERATURES, OR OTHER HAZARDS (H₂S, STEAM, ETC.) AND ASSOCIATED CONTINGENCY PLANS:

Normal pressure gradient to TD, although target interval may be slightly pressure depleted. Drill with water or unweighted mud.

Maximum expected BHP @ 7400': ~3204 psi (~0.433 psi/ft.).

Maximum expected BHT @ 7400': ~165° F.

No abnormal hazards are anticipated and no contingency plans are required.

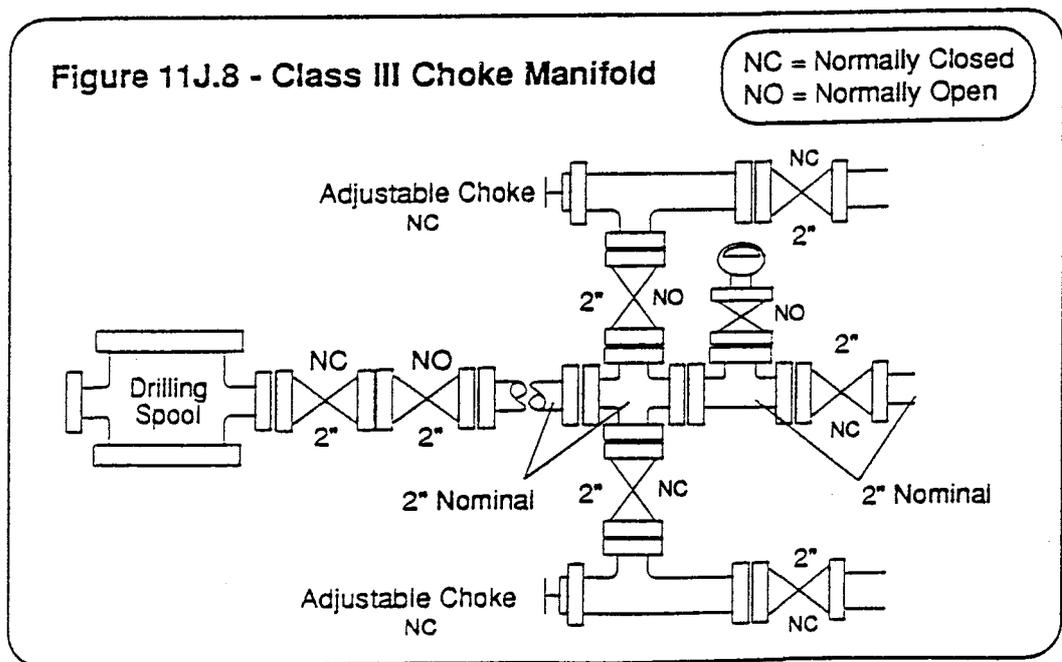
8. OTHER:

None.

D. CLASS III CHOKE MANIFOLD

The Class III choke manifold is suitable for Class III workovers and drilling operations. The Standard Class III choke manifold is shown in Figure 11J.8 below. Specific design features of the Class III manifold include:

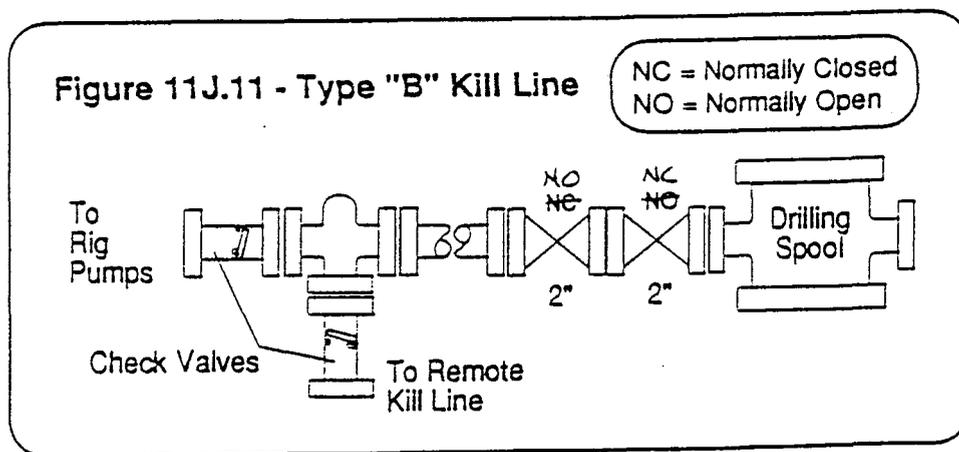
1. The manifold is attached to a drilling spool or the top ram preventer side outlet.
2. The minimum internal diameter is 2" (nominal) for outlets, flanges, valves and lines.
3. Includes two steel gate valves in the choke line at the drilling spool outlet. The inside choke line valve may be remotely controlled (HCR).
4. Includes two manually adjustable chokes which are installed on both side of the manifold cross. Steel isolation gate valves are installed between both chokes and the cross, and also downstream of both chokes.
5. Includes a bleed line which runs straight through the cross and is isolated by a steel gate valve.
6. Includes a valve isolated pressure gauge suitable for drilling service which can display the casing pressure within view of the choke operator.
7. Returns through the choke manifold must be divertible through a mud-gas separator and then be routed to either the shale shaker or the reserve pit through a buffer tank or manifold arrangement.
8. If the choke manifold is remote from the wellhead, a third master valve should be installed immediately upstream of the manifold cross.



D. TYPE "B" KILL LINE — CLASS III, IV, AND V WELLS

The type B kill line described below in Figure 11J.11 is the minimum recommended hookup for installation on all Class III, Class IV and Class V wells. Specific design features of the type B kill line include:

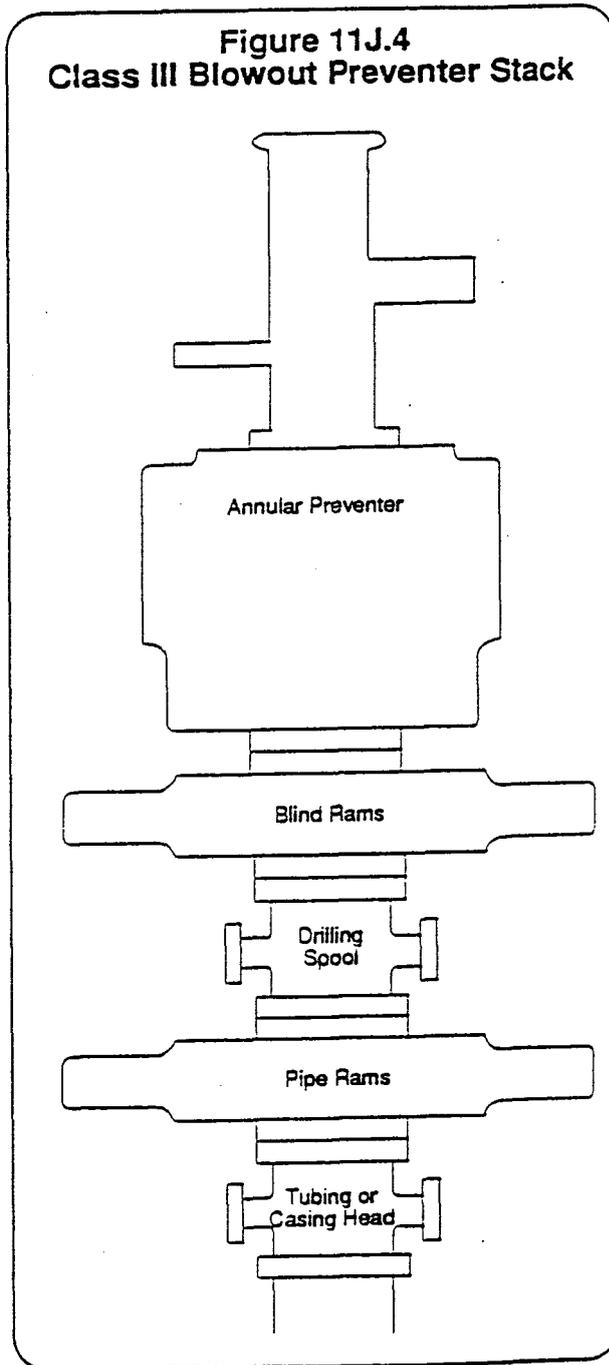
1. The preferred kill line connection to the well is at the drilling spool, however, a preventer side outlet may be used when space restrictions exclude the use of a drilling spool. In all cases, the kill line must be installed below the uppermost blind rams so the well can be pumped into with no pipe in the hole.
2. The arrangement includes two - 2" (nominal) gate valves installed at the drilling spool and an upstream fluid cross. The outside valve may be hydraulically remote controlled.
3. Two pump-in lines should be attached to the fluid cross. The **primary kill line** should be routed to the rig standpipe where it can be manifolded to the rig pumps. The **remote kill line** should be run to a safe location away from the rig or to the rig cementing unit. The remote kill line should have a loose end connection for rigging-up a high pressure pumping unit.
4. Both the primary kill line and the remote kill line must include a 2" check valve which is in working condition while drilling. If a check valve is crippled for testing purposes, the flapper or ball must be re-installed and tested before drilling resumes.
5. The primary kill line must include a pressure gauge which can display the pump-in pressure on the rig floor.
6. Any lines which are installed at the wellhead are designated as "emergency kill lines" and should only be used if the primary and remote kill lines are inoperable.



E. CLASS III BLOWOUT PREVENTER STACK:

The Class III preventer stack is designed for drilling or workover operations. It is composed of a single hydraulically operated annular preventer on top, then a blind ram preventer, a drilling spool, and a single pipe ram preventer on bottom. The choke and kill lines are installed onto the drilling spool and must have a minimum internal diameter of 2". All side outlets on the preventers or drilling spool must be flanged, studded, or clamped. An emergency kill line may be installed on the wellhead. A double ram preventer should only be used when space limitations make it necessary to remove the drilling spool. In these instances, the choke manifold should be connected to a flanged outlet between the preventer rams only. In this hookup, the pipe rams are considered master rams only, and cannot be used to routinely circulate out a kick. The Class III blowout preventer stack is shown to the right in Figure 11J.4.

Figure 11J.4
Class III Blowout Preventer Stack



CHEVRON USA PRODUCTION CO.

**BRENNAN FEDERAL #12
726' FNL & 2200' FEL
NWNE-S18-T7S-R21E, SLB&M
UINTAH COUNTY, UTAH**

THIRTEEN POINT SURFACE USE PLAN

1. EXISTING ROADS:

A. See Topographic Map A. There are no plans to change, alter or improve upon any existing state or county road.

B. See Topographic Map A. Proposed access road begins approximately 28.1 miles from Vernal, UT.

2. ACCESS ROADS TO BE CONSTRUCTED OR RECONSTRUCTED:

See Topographic Maps A and B. The existing access road ~0.7 miles in length will be upgraded with culverts installed at the An access road approximately 0.2 mile in at least two observed drainages. An access road approximately 0.2 mile in length is proposed.

3. LOCATION OF EXISTING WELLS WITHIN ONE MILE:

See Topographic Map B.

4. LOCATION OF EXISTING OR PROPOSED FACILITIES IF WELL IS PRODUCTIVE:

A. See Topographic Map B.

B. Rod pumping equipment, a line heater and production tankage will be installed on the location.

C. Disturbed areas no longer needed for operations will be graded back to as near original state as possible. Drainage channels will be returned to original state and the areas will be reseeded as prescribed by the BLM.

BRENNAN FEDERAL #12 - THIRTEEN POINT SURFACE USE PLAN

5. LOCATION AND TYPE OF WATER SUPPLY:

Water from the following sources will be used:

A. Wonsits Valley Federal Unit water supply wells, July 2, 1965 Application #A-4646, paragraph 16.

1. 2471' South & 2122' East of the NW corner of Sec. 6-T8S-R21E, SLBM.
2. 2473' South & 2272' East of the NW corner of Sec. 6-T8S-R21E, SLBM.
3. 2474' South & 2422' East of the NW corner of Sec. 6-T8S-R21S, SLBM.

B. Water well in Ouray operated by A-1 Tank and Brine, Permit #43-8496.

1. East 400'. North 200' from S1/4 Cor. Sec. 32-T4s-R3E, USBM, Uintah County, Utah.

C. City water from Ouray provided by and via Ouray Brine's facility in Ouray. No permit.

Transportation of water shall be by tank truck.

6. CONSTRUCTION MATERIALS:

Native dirt and gravel will be used as construction materials.

7. METHODS FOR HANDLING WASTE DISPOSAL:

A. A reserve pit will be constructed to contain excess drilling fluids.

B. Excess reserve pit fluid will be disposed of via evaporation, percolation at pit abandonment or haul-off to a commercial disposal facility.

C. Drill cuttings will be caught and settled in the reserve pit and buried when the pit is backfilled.

D. Commercial service will provide portable toilets and haul-off to a commercial disposal facility.

BRENNAN FEDERAL #12 - THIRTEEN POINT SURFACE USE PLAN

E. Trash will be stored in trash containers and hauled to commercial or municipal facility for disposal.

F. It is not anticipated that any salt or chemicals will need to be disposed of. If required, disposal will be by commercial disposal facility.

G. In the event fluids are produced, any oil will be transferred to existing facilities within Brennan Bottom Unit and sold. Any water will be transferred to Red Wash Unit disposal facilities.

H. Hazardous chemicals 10,000lb. of which will most likely be used, produced, stored, transported or disposed of in association with the proposed action of drilling, completing and producing this well: We anticipate that none of the hazardous chemicals in quantities of 10,000 lb. or more will be associated with these operations.

I. Extremely hazardous substances threshold quantities of which will be used, produced, stored, transported or disposed of in association with the proposed action of drilling, completing and producing this well: We anticipate that none of the extremely hazardous substances in threshold quantities per 40 CFR 355 will be associated with these operations.

8. ANCILLARY FACILITIES:

None.

9. WELLSITE LAYOUT:

A. See Figures 1 and 2.

B. Burn pit will not be lined.

C. Access to the well pad will be as shown on Topographic Map B.

BRENNAN FEDERAL #12 - THIRTEEN POINT SURFACE USE PLAN

10. PLAN FOR RESTORATION OF SURFACE:

A. All surface areas not required for production operations will be graded to as near original condition as possible and contoured to maintain possible erosion to a minimum. Any rock encountered in excavation will be disposed of beneath backfill to return surface to its present appearance and provide soil for seed growth.

B. The topsoil will be evenly distributed over the disturbed areas. Reseeding will be performed as directed by the BLM.

C. Pits that would present a hazard to wildlife or livestock will be backfilled when the rig is released and removed.

D. Completion of the well is planned during 1996. Rehabilitation will commence following completion of the well. If the wellsite is to be abandoned, all disturbed areas will be recontoured to the natural contour as soon as possible.

11. SURFACE OWNERSHIP:

The wellsite, access roads and production facilities are constructed on federal lands. The operator shall contact the BLM office at (801) 789-1362 between 24 and 48 hours prior to construction activities.

12. OTHER INFORMATION:

A. The well is located in hilly and sandy terrain. Vegetation consists of sagebrush and natural grasses around the location. The soil is a poorly developed, semi-arid, thin topsoil layer over the Uintah Formation.

B. Surface use activities other than the oil and gas well facilities consist of grazing.

C. There are no occupied dwellings near the wellsite.

BRENNAN FEDERAL #12 - THIRTEEN POINT SURFACE USE PLAN

13. COMPANY REPRESENTATIVE:

Mr. J. T. Conley
11002 East 17500 South
Vernal, UT 84078
(801) 781-4301

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently 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 Chevron USA Production Co., Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

7-31-96
Date



J. T. Conley
Red Wash Asset Team Leader

United States Department of the Interior
Bureau of Land Management
Vernal District Office
170 South 500 West
Vernal, UT 84078

SELF-CERTIFICATION STATEMENT

Be advised that Chevron USA Production Company is considered to be the operator of Brennan Federal Unit #12, NWNE-Sec.18-T7S-R21E, Uintah County, Utah, and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by Nationwide Bond #U-89-75-81-34 (Standard Oil Co. of California and its wholly owned subsidiary Chevron USA Production Co., as co-principals) via surety consent as provided for in 43 CFR 3104.2.

Sincerely,



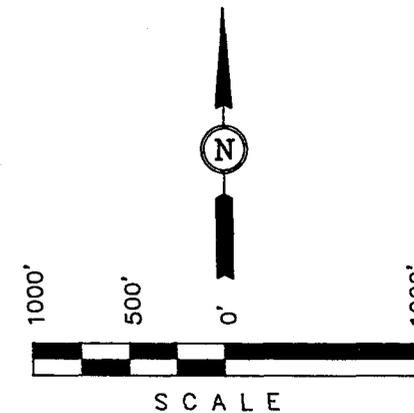
J. T. Conley
Red Wash Area Team Leader

DATE: 7-31-96

Well location, BRENNAN FEDERAL UNIT #12, located as shown in the NW 1/4 NE 1/4 of Section 18, T7S, R21E, S.L.B.&M. Uintah County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHEAST CORNER OF SECTION 18, T7S, R21E, S.L.B.&M. TAKEN FROM THE BRENNAN BASIN, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4698 FEET.



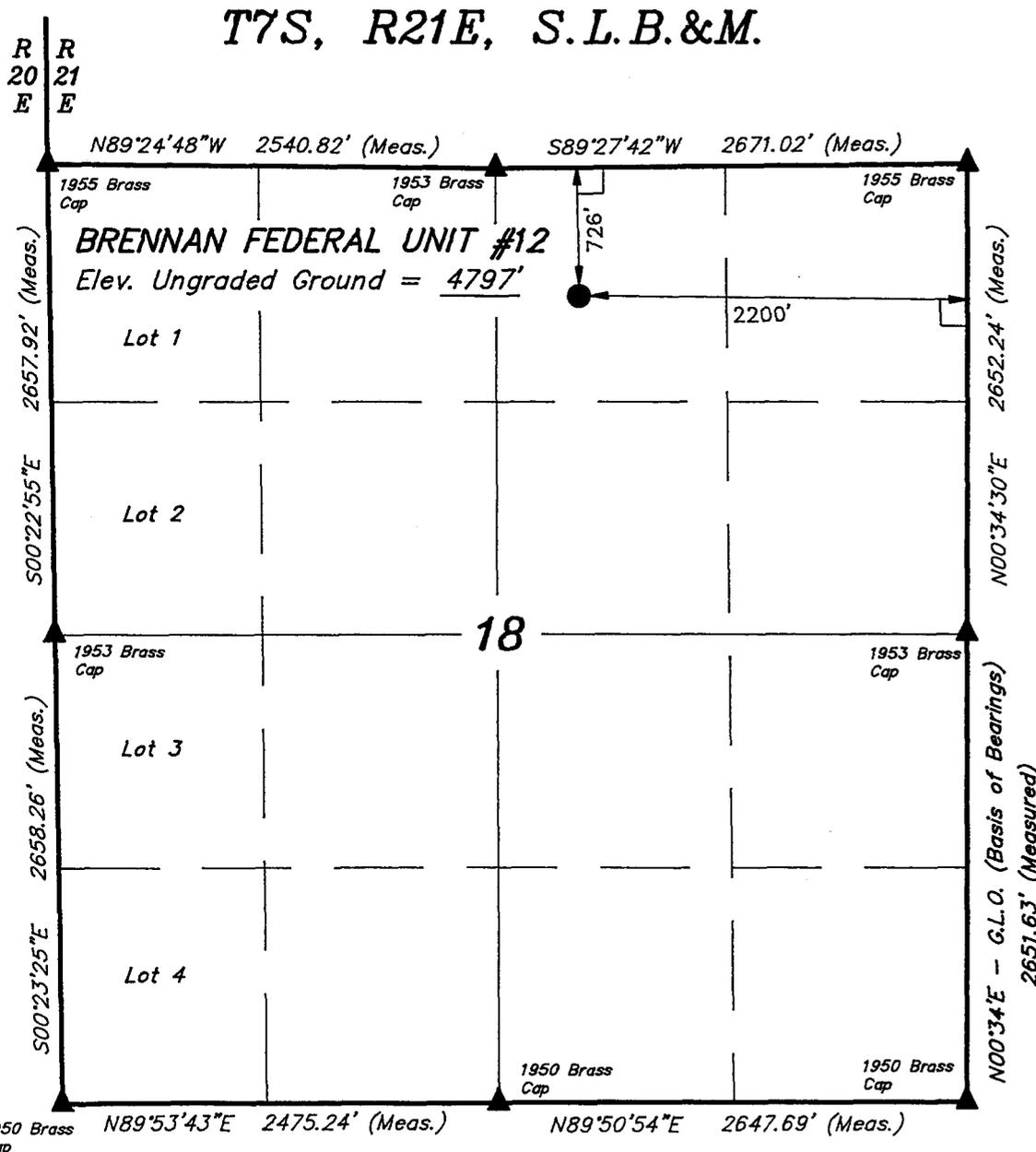
CERTIFICATE

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

REGISTERED LAND SURVEYOR
 NO. 161210
 ROBERT L. KAY
 STATE OF UTAH

Revised: 7-29-96 C.B.T.

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



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

BRENNAN FEDERAL UNIT #12
 Elev. Ungraded Ground = 4797'

Lot 1

Lot 2

Lot 3

Lot 4

18

LEGEND:

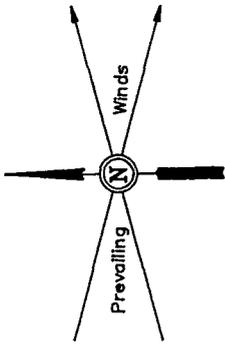
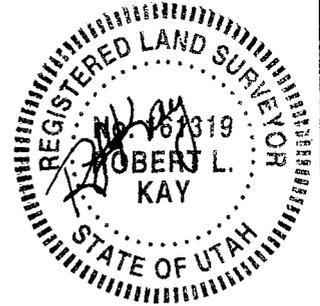
- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

SCALE 1" = 1000'	DATE SURVEYED: 6-18-96	DATE DRAWN: 6-19-96
PARTY B.B. M.C. C.B.T.	REFERENCES G.L.O. PLAT	
WEATHER HOT	FILE CHEVRON U.S.A., INC.	

CHEVRON USA., INC.

LOCATION LAYOUT FOR

BRENNAN FEDERAL UNIT #12
SECTION 18, T7S, R21E, S.L.B.&M.
726' FNL 2200' FEL



SCALE: 1" = 50'
DATE: 7-29-96
Drawn By: C.B.T.

NOTE:

FLARE PIT IS TO BE LOCATED A MINIMUM OF 100' FROM THE WELL HEAD.

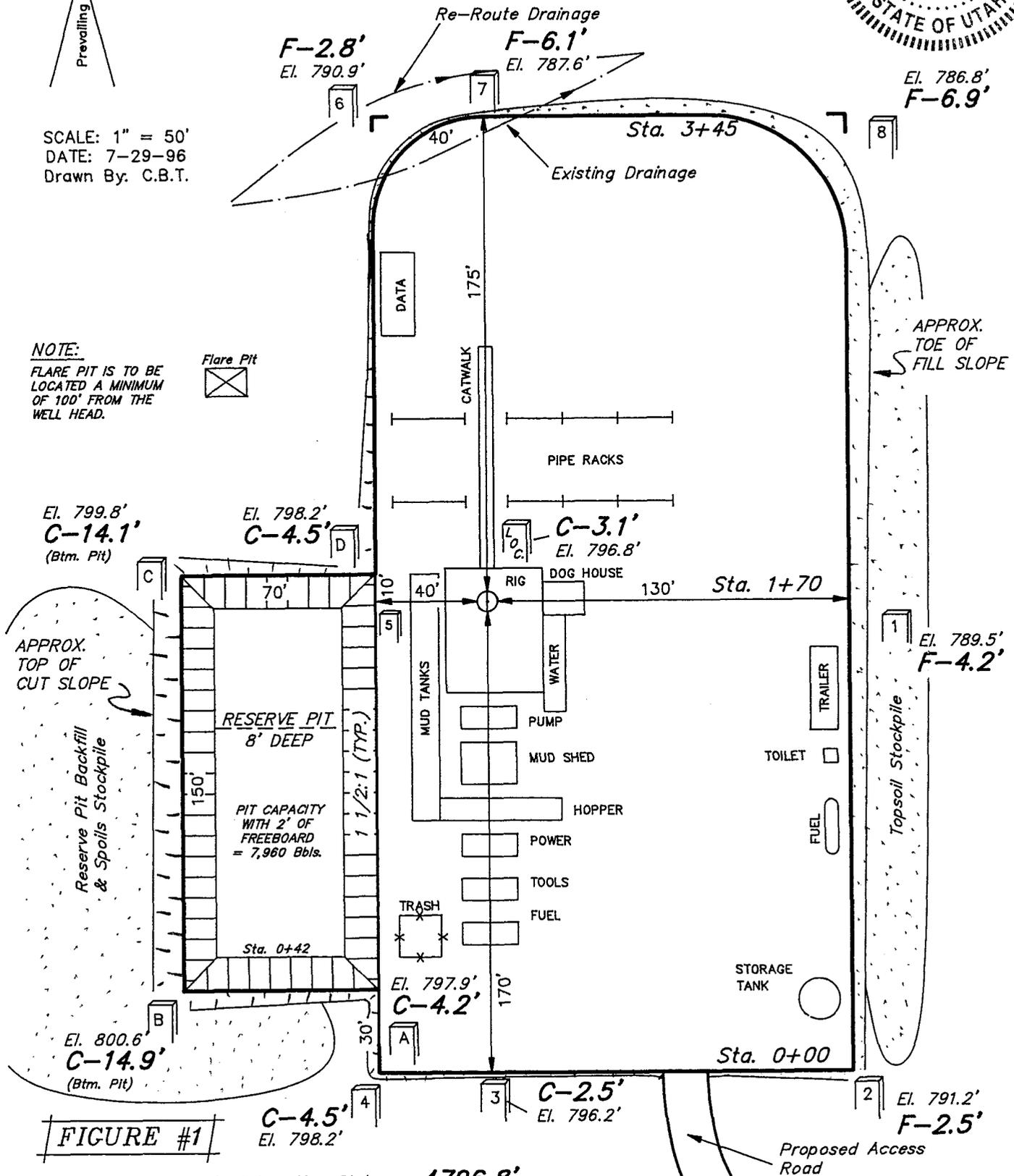


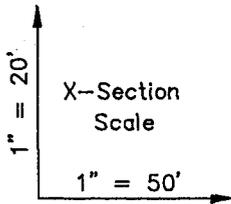
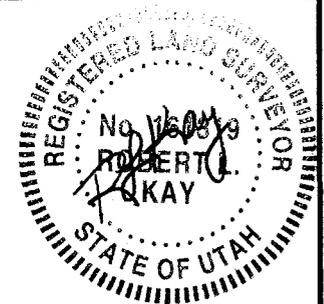
FIGURE #1

Elev. Ungraded Ground at Location Stake = 4796.8'
Elev. Graded Ground at Location Stake = 4793.7'

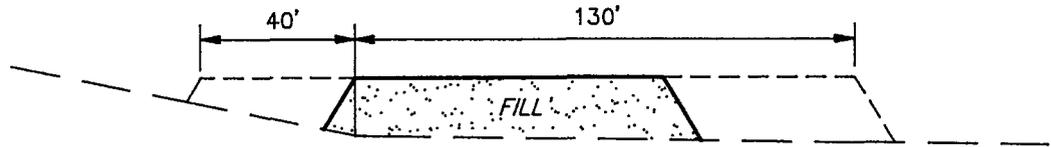
CHEVRON USA., INC.

TYPICAL CROSS SECTIONS FOR

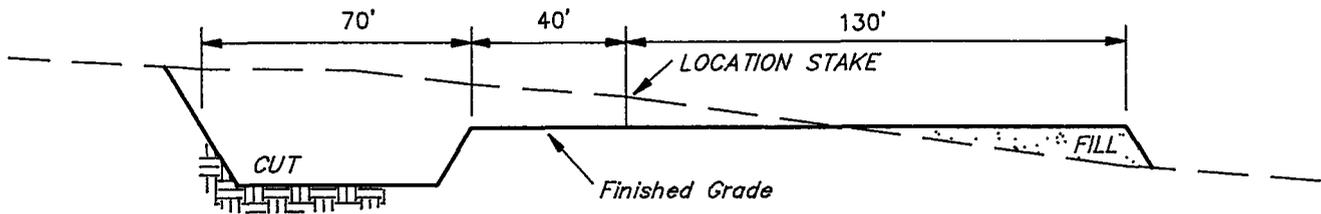
BRENNAN FEDERAL UNIT #12
SECTION 18, T7S, R21E, S.L.B.&M.
726' FNL 2200' FEL



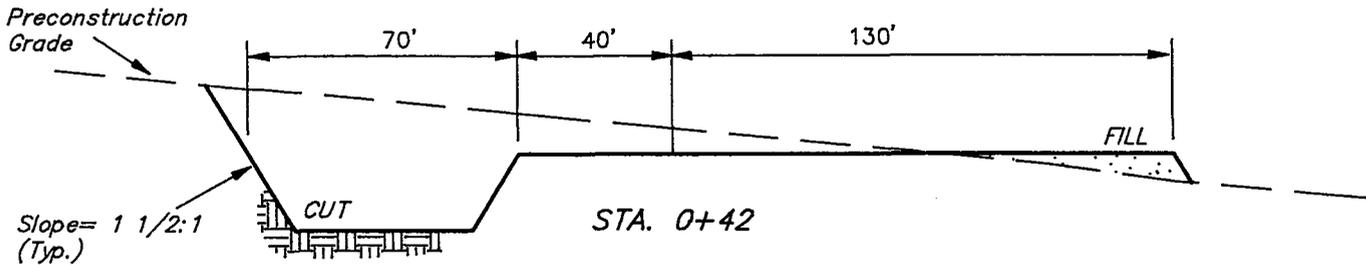
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Drawn By: C.B.T.



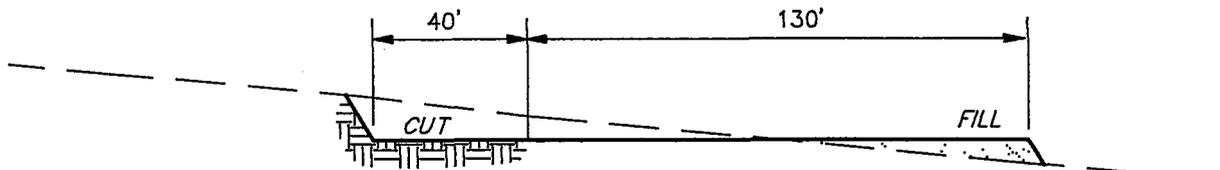
STA. 3+45



STA. 1+70



STA. 0+42



STA. 0+00

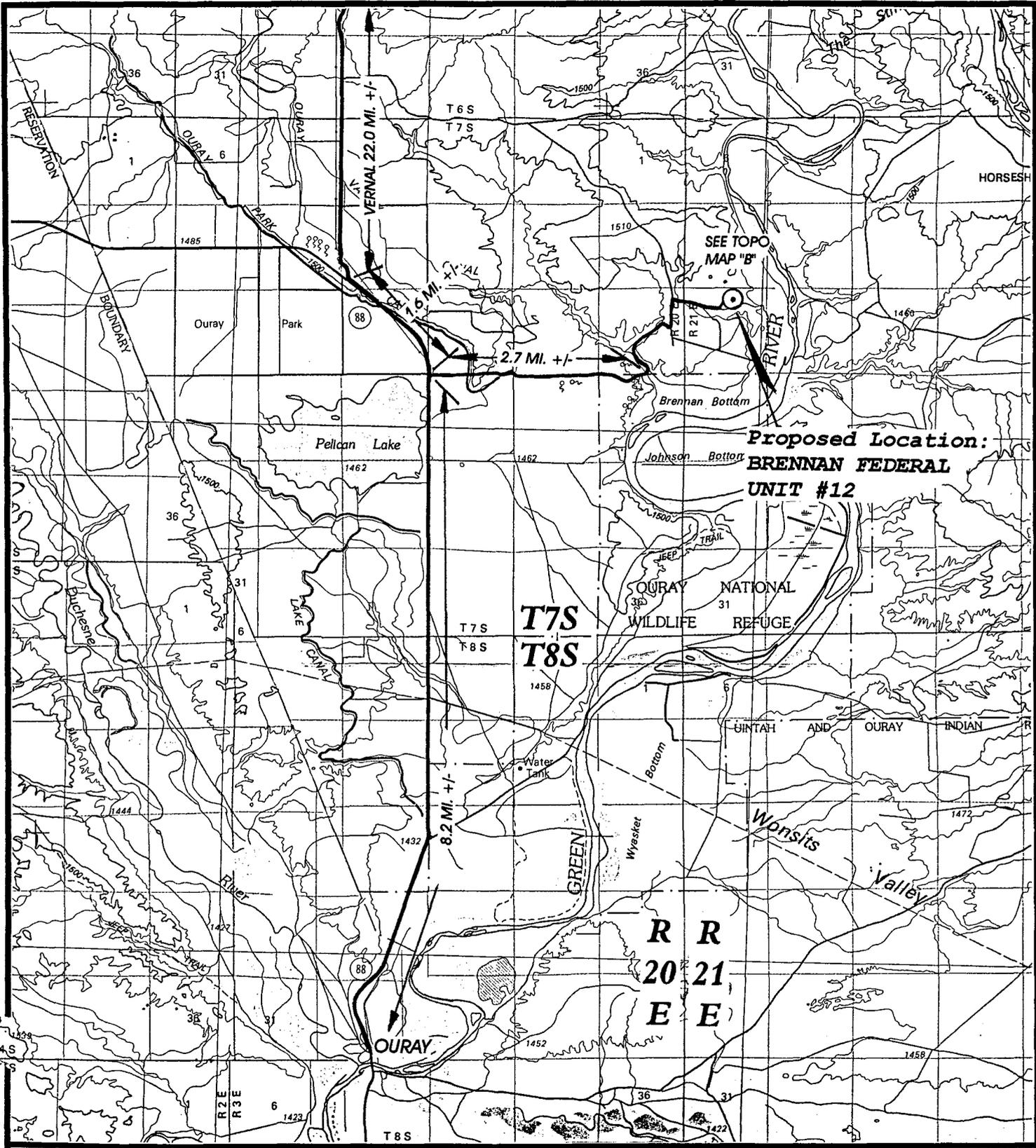
FIGURE #2

APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 1,280 Cu. Yds.
Remaining Location	= 6,110 Cu. Yds.
TOTAL CUT	= 7,390 CU.YDS.
FILL	= 4,660 CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION	= 2,480 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 2,480 Cu. Yds.
EXCESS CUT MATERIAL	= 0 Cu. Yds.

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



**Proposed Location:
BRENNAN FEDERAL
UNIT #12**

**T7S
T8S**

**R R
20 21
E E**

**UE
EL
S**

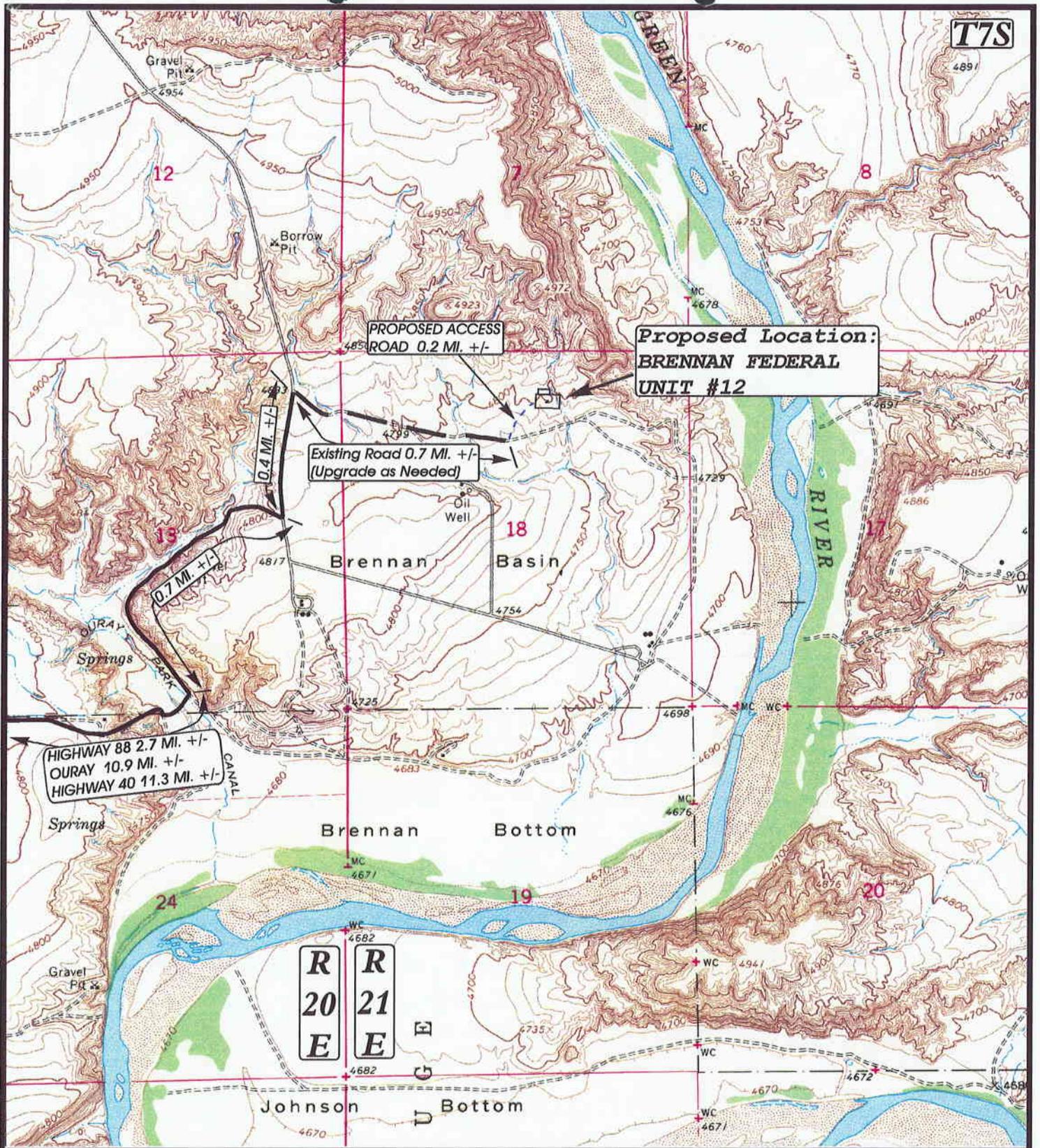
**TOPOGRAPHIC
MAP "A"**
Revised: 7-29-96 C.B.T.
DATE: 6-19-96
Drawn by: C.B.T.



CHEVRON USA, INC.

**BRENNAN FEDERAL UNIT #12
SECTION 18, T7S, R21E, S.L.B.&M.
726' FNL 2200' FEL**

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



T7S

**Proposed Location:
BRENNAN FEDERAL
UNIT #12**

**R
20
E**

**R
21
E**

**U
G
E**

**TOPOGRAPHIC
MAP "B"**

DATE: 6-19-96

Drawn by: C.B.T.

Revised: 7-29-96 C.B.T.

UELS

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



SCALE: 1" = 2000'

CHEVRON USA, INC.

BRENNAN FEDERAL UNIT #12
SECTION 18, T7S, R21E, S.L.B.&M.
726' FNL 2200' FEL

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 08/05/96

API NO. ASSIGNED: 43-047-32779

WELL NAME: BRENNAN FEDERAL #12
 OPERATOR: CHEVRON USA (N0210)

PROPOSED LOCATION:
 NWNE 18 - T07S - R21E
 SURFACE: 0726-FNL-2200-FEL
 BOTTOM: 0726-FNL-2200-FEL
 UINTAH COUNTY
 BRENNAN BOTTOM FIELD (560)

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

LEASE TYPE: FED
 LEASE NUMBER: U - 046

PROPOSED PRODUCING FORMATION: GRRV

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Federal State Fee
 (Number 4-84-75-81-34)
- Potash (Y/N)
- Oil shale (Y/N)
- Water permit
 (Number 43-8496)
- RDCC Review (Y/N)
 (Date: _____)

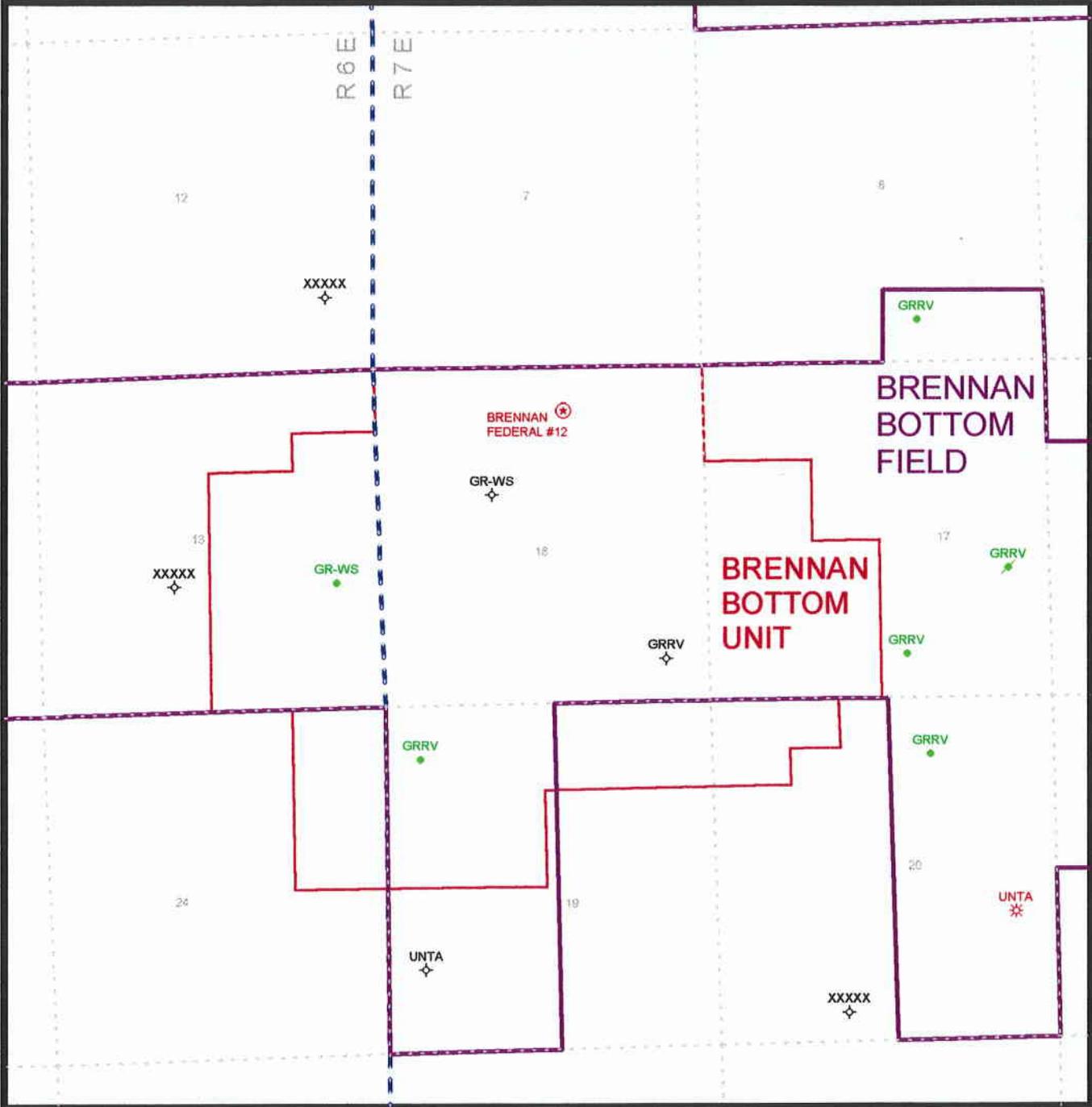
LOCATION AND SITING:

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

COMMENTS: _____

STIPULATIONS: _____

OPERATOR: CHEVRON
FIELD: BRENNAN BOTTOM
UNIT: BRENNAN BOTTOM
SEC, TWP, RNG: SEC. 18, T7S, R21E
COUNTY: UINTAH UAC: R649-3-2



PREPARED:
DATE: 6-AUG-96

STATE OF UTAH, DIV OF OIL, GAS & MINERALS

Operator: CHEVRON USA PRODUCTION	Well Name: BRENNAN FED 12
Project ID: 43-047-32779	Location: SEC. 18 - T07S - R21E

Design Parameters:

Mud weight (9.50 ppg) : 0.494 psi/ft
 Shut in surface pressure : 3064 psi
 Internal gradient (burst) : 0.079 psi/ft
 Annular gradient (burst) : 0.000 psi/ft
 Tensile load is determined using air weight
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125
 Burst : 1.00
 8 Round : 1.80 (J)
 Buttress : 1.60 (J)
 Other : 1.50 (J)
 Body Yield : 1.50 (B)

Length (feet)	Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost
1	7,400	5.500	17.00	N-80	LT&C	7,400	4.767
	Collapse Load Strgth (psi) (psi)	S.F.	Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load Strgth (kips) (kips)	S.F.
1	3652	6280	1.720	3652	7740	2.12	125.80 348 2.77 J

Prepared by : MATTHEWS, Salt Lake City, Utah
 Date : 11-20-1996
 Remarks :

GRRV

Minimum segment length for the 7,400 foot well is 1,500 feet.

SICP is based on the ideal gas law, a gas gravity of 0.69, and a mean gas temperature of 126°F (Surface 74°F , BHT 178°F & temp. gradient 1.400°/100 ft.)

String type: Production

The mud gradient and bottom hole pressures (for burst) are 0.494 psi/ft and 3,652 psi, respectively.

NOTE: The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - collapse (with evacuated casing), 1.0 - (uniaxial) burst, 1.8 - API 8rd tension, 1.6 - buttress tension, 1.5 - body yield tension, and 1.6 - EUE 8rd tension. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser.
 Costs for this design are based on a 1987 pricing model. (Version 1.07)



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

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

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

November 20, 1996

Chevron USA Production Company, Inc.
11002 East 17500 South
Vernal, Utah 84078-8526

Re: Brennan Federal #12 Well, 726' FNL, 2200' FEL, NW NE,
Sec. 18, T. 7 S., R. 21 E., 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 43-047-32779.

Sincerely,

A handwritten signature in black ink, appearing to read "R. J. Firth".

R. J. Firth
Associate Director

lwp
Enclosures
cc: Uintah County Assessor
Bureau of Land Management, Vernal District Office



Operator: Chevron USA Production Company, Inc.
Well Name & Number: Brennan Federal #12
API Number: 43-047-32779
Lease: U-046
Location: NW NE Sec. 18 T. 7 S. R. 21 E.

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 within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5336.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Frank Matthews at (801)538-5334 or Mike Hebertson at (801)538-5333.

3. Reporting Requirements

All required reports, forms and submittals shall 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.

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

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires December 31, 1991

5. LEASE DESIGNATION AND SERIAL NO.
U-046

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

1a. TYPE OF WORK

DRILL **DEEPEN**

7. UNIT AGREEMENT NAME

Brennan Bottom Unit

b. TYPE OF WELL

OIL WELL GAS-WELL OTHER _____ SINGLE ZONE MULTIPLE ZONE

8. FARM OR LEASE NAME, WELL NO.
Brennan Federal #12

2. NAME OF OPERATOR
Chevron U.S.A. Production Company, Inc.

9. API WELL NO.

3. ADDRESS AND TELEPHONE NO.
11002 E. 17500 S. Vernal, Utah 84078 (801) 781-4300

10. FIELD AND POOL, OR WILDCAT

Brennan Bottom

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

At surface
726' FNL & 2200' FEL, NWNE

At proposed prod. Zone
Same

RECEIVED
AUG 05 1996

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

SEC.18-T7S-R21E, SLBM

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
±28 miles south of Vernal, Utah

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

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
726'
(Also to nearest drlg. Unit line, if any)

16. NO. OF ACRES IN LEASE
160

17. NO. OF ACRES ASSIGNED TO THIS WELL
NA

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
2619'

19. PROPOSED DEPTH
7400'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
4797' GL

22. APPROX. DATE WORK WILL START*
August 20, 1996

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	K-55 8-5/8"	24#	600'	300 SX. CLASS A
7-7/8"	N-80 5-1/2"	17#	7400'	665 SX. HI-FILL STD. LEAD, 720 SX. CLASS H TAIL

**Attachments: Certified Plat
8 Point Drilling Plan
13 Point Surface Use Plan
Self-certification Statement**

RECEIVED
AUG 22 1996
Received
DQ-BLM
Vernal, Utah
OIL, GAS & MINING

24. SIGNED *[Signature]* TITLE ASSET TEAM LEADER DATE 7-31-96

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY *[Signature]* TITLE ACTING Assistant Field Manager
Mineral Resources DATE NOV 20 1996

*See Instructions On Reverse Side

114080-600-169

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Chevron U.S.A. Production Company, Inc.

Well Name & Number: Brennan Fed. 12

API Number: 43-047-32779

Lease Number: U-046

Location: NWNE Sec. 18 T.7S R. 21E

NOTIFICATION REQUIREMENTS

- Location Construction - at least forty-eight (48) hours prior to construction of location and access roads.
- Location Completion - prior to moving on the drilling rig.
- Spud Notice - at least twenty-four (24) hours prior to spudding the well.
- Casing String and Cementing - at least twenty-four (24) hours prior to running casing and cementing all casing strings.
- BOP and Related Equipment Tests - at least twenty-four (24) hours prior to initiating pressure tests.
- First Production Notice - within five (5) business days after new well begins, or production resumes after well has been off production for more than ninety (90) days.

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

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

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

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

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

A. DRILLING PROGRAM

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

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

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

2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a **3M** system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

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

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2, regarding air or gas drilling shall be adhered to. If a mist system is being utilized then the requirement for a deduster shall be waived.

3. Casing Program and Auxiliary Equipment

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

If conductor pipe is set it will be cemented to surface. If drive pipe is used it will be pulled prior to cementing surface casing.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the top of the usable water zone identified at ± 2814 ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

4. Mud Program and Circulating Medium

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

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

5. Coring, Logging and Testing Program

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

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

A cement bond log (CBL) will be run from the production casing shoe to ± 2614 ft. and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

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

6. Notifications of Operations

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

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

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

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

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

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

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

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

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

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

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

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

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

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

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

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

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

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

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

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

Wayne Bankert Petroleum Engineer	(801) 789-4170
Ed Forsman Petroleum Engineer	(801) 789-7077
Jerry Kenczka Petroleum Engineer	(801) 789-1190
BLM FAX Machine	(801) 781-4410

EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

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

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

SURFACE CONDITIONS OF APPROVAL

Methods for Handling Waste Disposal:

If a plastic nylon reinforced liner is used for the reserve pit, it will be a minimum of 12 mil thickness with sufficient bedding material (either straw or dirt) to cover any rocks. The liner will overlap the pit walls and be constructed to hold excess drilling fluids without breaking or seepage.

After first production, produced water will be confined to the pit or to a storage tank for a period not to exceed 90 days. During that period, in accordance Onshore Order #7, an application for approval of a permanent disposal method and location, along with required water analysis, shall be submitted for the Authorized Officer's approval.

The reserve pit will be fenced on three sides during drilling operations and on the fourth side when the rig moves off of the location. The reserve pit will be reclaimed within 180 days from the date of well completion. Before the pit is reclaimed it must be completely dry and all cans, barrels, pipe etc. will be removed.

Other Additional Information:

- a. The Operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the Authorized Officer. Within five working days the Authorized Officer will inform the operator as to:
- whether the materials appear eligible for the National Register of Historic Places;
 - the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and
 - a time frame for the Authorized Officer to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the Authorized Officer are correct and that mitigation is appropriate

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

- b. The operator will control noxious weeds along rights-of-way for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds may be obtained from the BLM, or the appropriate County Extension Office. On BLM administered lands it is required that a Pesticide Use Proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or hazardous chemicals.

- c. The following conditions of approval apply from the Chevron Brennan Bottom Waterflood Project Environmental Assessment (No. 1996-59):

- Powerlines will be designed to avoid electrical hazards to perching raptors.
- Roads will be watered and/or chemically stabilized in order to reduce fugitive dust.

- Facilities will be painted with colors that blend with the surrounding landscape after consultation with the BLM.

d. The location will be built with the Northeast corner rounded off and kept on the east of an existing drainage as shown on the revised layout diagram received on August 14,1996.

e. 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 unit plan of operations, and any applicable Notices to Lessees. The operator is fully responsible for the actions of his subcontractors. A complete copy of the approved APD with any applicable ROW grants and Conditions of Approval included in the approval for the APD shall be on location during the construction of the location and drilling activities.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: CHEVRON USA

Well Name: BRENNAN FEDERAL # 12

Api No. 43-047-32779

Section 18 Township 7S Range 21E County UINTAH

Drilling Contractor _____

Rig #: _____

SPUDDED:

Date: 12/26/96

Time: _____

How: DRY HOLE

Drilling will commence: _____

Reported by: D. HACKFORD

Telephone #: _____

Date: 12/24/96 Signed: JLT

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.
U-406

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

7. If Unit or CA, Agreement Designation
BRENNAN BOTTOM UNIT

8. Well Name and No.
BRENNAN FEDERAL #12

9. API Well No.
43-047-32779

10. Field and Pool, or Exploratory Area
BRENNAN BOTTOM-GREEN RIVER

11. County or Parish, State
UINTAH, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well
Oil Gas
 Well Well Other

2. Name of Operator
CHEVRON U.S.A. PRODUCTION COMPANY

3. Address and Telephone No
11002 E. 17500 S. VERNAL, UT 84078-8526 (801) 781-4300

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
NW NE, SEC 18, T7S, R21E, (726' FNL, 2200' FEL)

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

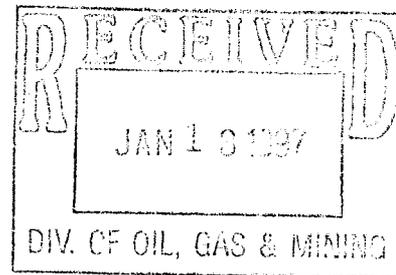
TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input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

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

THIS WELL WAS SPUD ON 12/26/96 AT 11:30 AM.

**WAYNE BANKORT AT BLM WAS GIVEN VERBAL NOTIFICATION 12/26/96 AT 08:35.
DAVID HACKFORD AT UTAH DOGM WAS GIVEN VERBAL NOTIFICATION 12/26/96 AT 08:40.**



14. I hereby certify that the foregoing is true and correct.
Signed D. L. Tanner Title COMPUTER SYSTEMS OPERATOR Date 12/09/96

(This space for Federal or State office use)

Approved by: _____ Title _____ Date _____

Conditions of approval, if any

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

OPERATOR: **Chevron USA Production Company**
ADDRESS: **11002 East 17500 South**
Vernal, Utah 84078-8526 (801)781-4300

ENTITY ACTION FORM - FORM 6

Action Code	Current Entity No.	New Entity No.	API Number	Well Name	QQ	SC	TP	RG	County	Spud Date	Effective Date
B	99999	05261	43-047-32779	Brennan Federal #12	NW NE	18	7S	21 E	Uintah	12/26/96	

WELL 1 COMMENTS:
New well to be drilled in Brennan Federal Unit. *Entity added 1-14-97. Jec*

--	--	--	--	--	--	--	--	--	--	--	--

WELL 2 COMMENTS:

--	--	--	--	--	--	--	--	--	--	--	--

WELL 3 COMMENTS:

--	--	--	--	--	--	--	--	--	--	--	--

WELL 4 COMMENTS:

--	--	--	--	--	--	--	--	--	--	--	--

WELL 5 COMMENTS:

--	--	--	--	--	--	--	--	--	--	--	--

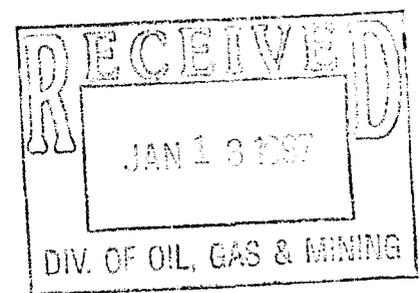
- ACTION CODES (See instructions on back of form)
- A - Establish new entity for new well (single well only)
 - B - Add new well to existing entity (group or unit well)
 - C - Re-assign well from one existing entity to another existing entity
 - D - Re-assign well from one existing entity to a new entity
 - E - Other (explain in comments section)

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

D C Janner
Signature

Computer Systems Opr. 1/8/97
Title Date

Phone No. (801) 781-4300



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well
Oil Gas
 Well Well Other

2. Name of Operator
CHEVRON U.S.A. PRODUCTION COMPANY

3. Address and Telephone No
11002 E. 17500 S. VERNAL, UT 84078-8526 (801) 781-4300

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
NW NE, SEC 18, T7S, R21E, (726' FNL, 2200' FEL)

5. Lease Designation and Serial No.
U-406

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

7. If Unit or CA, Agreement Designation
BRENNAN BOTTOM UNIT

8. Well Name and No.
BRENNAN FEDERAL #12

9. API Well No.
43-047-32779

10. Field and Pool, or Exploratory Area
BRENNAN BOTTOM-GREEN RIVER

11. County or Parish, State
UINTAH, UTAH

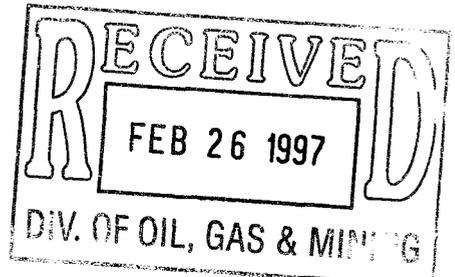
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

THIS WELL COMMENCED PRODUCTION ON FEBRUARY 21, 1997



14. I hereby certify that the foregoing is true and correct.
Signed DC Tanner Title COMPUTER SYSTEMS OPERATOR Date 02/25/97

(This space for Federal or State office use)

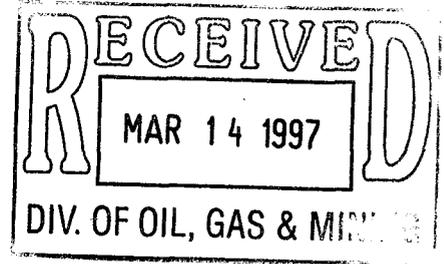
Approved by: _____ Title _____ Date _____

Conditions of approval, if any _____

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

EXXON COMPANY, U.S.A.
POST OFFICE BOX 1600 • MIDLAND, TEXAS 79702-1600

MIDLAND PRODUCTION ORGANIZATION
OPERATIONS INTEGRITY



March 11, 1997

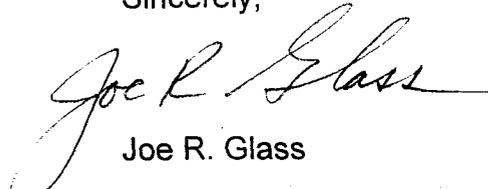
Notification of Sale or Transfer of Fee
Lease Interest, Rule R649-2-10
Well Name: Newton Sheep 1
Location: 18-2N-7E
API #: 43-043-30284

Utah Royalty Owners Association
Box 1292
Roosevelt, Utah 84066

Gentlemen:

This letter will confirm that Exxon Corporation has notified all individuals with an interest in the above referenced fee lease (royalty interest, working interest and overriding royalty interest) of the change of operator to Union Pacific Resources Company.

Sincerely,


Joe R. Glass

JRG/ksy

c: Mr. Don Staley
State of Utah

① KAS ✓
② well
File

Handwritten initials and date: DCS 3/17/97

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

SUBMIT IN DUPLICATE
(See other instructions on reverse side).

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.
U-046

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL
 OIL WELL GAS WELL DRY Other _____

b. TYPE OF COMPLETION
 NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR Other _____

7. UNIT AGREEMENT NAME
BRENNAN BOTTOM UNIT

8. FARM OR LEASE NAME

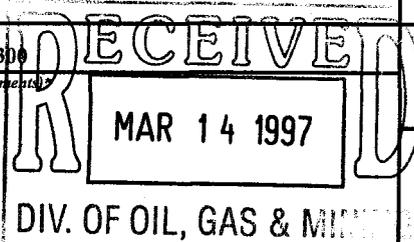
2. NAME OF OPERATOR
CHEVRON USA PRODUCTION CO., INC.

9. WELL NO.
BRENNAN FEDERAL #12

3. ADDRESS OF OPERATOR
11002 EAST 17500 SOUTH, VERNAL, UT 84078 801-781-4300

10. FIELD AND POOL, OR WILDCAT
BRENNAN BOTTOM - GREEN RIVER

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
 At surface **726' FNL, 2200' FEL, NWNE**
 At top rod. interval reported below **SAME**
 At total depth **SAME**



11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
SEC. 18-T7S-R21E, SLBM

14. PERMIT NO. 43-047-32779	DATE ISSUED 11/20/96	12. COUNTY OR PARISH UINTAH	13. STATE UT
---------------------------------------	--------------------------------	---------------------------------------	------------------------

15. DATE SPUNDED 12/26/96	16. DATE T.D. REACHED 1/17/97	17. DATE COMPL. (Ready to prod.) 2/10/97	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 4811' KB, 4797' GL	19. ELEV. CASINGHEAD
-------------------------------------	---	--	--	----------------------

20. TOTAL DEPTH, MD & TVD 7125'	21. PLUG BACK T.D., MD & TVD 7078'	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY ----->	ROTARY TOOLS X	CABLE TOOLS
---	--	-----------------------------------	------------------------------------	--------------------------	-------------

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*
6728' TO 6976' GREEN RIVER

25. WAS DIRECTIONAL SURVEY MADE
NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

27. WAS WELL CORED

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8	24	622	12-1/4	440 SX. PREMIUM V	NA
5-1/2	17	7125	7-7/8	385 SX. CLASS H HI-FILL LEAD; 485 SX. CLASS H TAIL	NA

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8	7053	

31. PERFORATION RECORD (Interval, size and number)	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6728-35' G1 LIME	6728-35'	2500 GAL. 28% HCL
6969-76' H4A LIME	6969-76'	2500 GAL. 28% HCL
ALL PERFORATIONS 4 JSPF, 90° PHASING		

33.* PRODUCTION

DATE FIRST PRODUCTION 2/22/97	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) ROD PUMP, 2-1/2" X 1-3/4" X 21' RHBC	WELL STATUS (Producing or shut-in) PRODUCING
---	--	--

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
2/23/97	24	NA	----->	139	10	50	72 SCF/BO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF	WATER--BBL.	OIL GRAVITY-API (CORR.)	
225	50	----->	139	10	50	32	

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

TEST WITNESSED BY
GLEN BEAMAN

35. LIST OF ATTACHMENTS

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

SIGNED R.A. Griffin TITLE Geologic Technician DATE 12 March 1997

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof, cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP VERT. DEPTH
Uinta	Surface	3346	<p>No Core</p> <p>No DSTs</p>	<p>Green River - Oil Shale</p> <p>Green River - G1 Lime</p> <p>Green River - H4a</p>	<p>4876</p> <p>6727</p> <p>6978</p>	
Green River	3346	7050				
Wasatch	7050	TD	<p>LOG DESCRIPTION (From Page 1)</p> <p>GRFC.API 0 310 1 1:Gamma ray counts</p> <p>DRFC.G/C3 0 356 99 1:ZDL Correction</p> <p>CAFC.0 0 0 1:N/A</p> <p>D273.PU 0 890 99 1:Porosity from ZDEN</p> <p>PEFC.BARN 0 995 99 1:Photo Electric cross section</p> <p>RBFC.G/C3 0 350 1 1:ZDL Bulk Density</p> <p>RDDI.OHMM 0 120 46 1:Resistivity from CILD</p> <p>RMDI.OHMM 0 120 44 1:Resistivity from CILM</p> <p>RSDI.OHMM 0 220 6 1:Resistivity from CFOC</p> <p>SPmisc.MV 0 10 1 1:Spontaneous Potential - Eclipse version</p> <p>LMCN.PU 0 995 99 1:CNC corrected to Field Normalized transform</p> <p>SPDL.MV 0 10 1 1:Spontaneous Potential</p> <p>GR-CBL-CCL - Gamma Ray Cement Bond Log</p>			

38. GEOLOGIC MARKERS

2

BARRELS OF 42 GALLONS

ARTHUR F. BROCK
Tank Table Service
Box 262 Tulsa, Okla. 74101

Strapped By

Owner CHEVRON USA PROD. CO., INC.

Farm BRENNAN BOTTOM #12 UO46

1/4 Sec. NW NE Dist.

Sec. 18 7S 21E

County UINTAH

State UTAH

1/4" INCREMENTS

Ft.	In.	Qt.	0.00499
0	9	0	0.41909
1	5	2	0.40760
2	11	0	0.41929
5	0	0	0.41741
10	0	0	0.41764
15	0	0	0.41741
			300.45393

15 Ft.	300.45
1 1/4	
1/2	
3/4	
1"	
1 1/4	
1/2	
3/4	
2"	
1 1/4	
1/2	

Date 02/24/97 CHEVRON:

0 Ft.			1 Ft.			2 Ft.			3 Ft.			4 Ft.			5 Ft.			6 Ft.			7 Ft.			8 Ft.			9 Ft.			10 Ft.			11 Ft.			12 Ft.			13 Ft.			14 Ft.			15 Ft.		
0"	0.00	0"	19.98	0"	39.85	0"	59.97	0"	80.00	0"	100.04	0"	120.08	0"	140.13	0"	160.18	0"	180.22	0"	200.27	0"	220.31	0"	240.34	0"	260.38	0"	280.41	0"	300.45																
1/4	0.42	1/4	20.39	1/4	40.27	1/4	60.38	1/4	80.42	1/4	100.45	1/4	120.50	1/4	140.55	1/4	160.59	1/4	180.64	1/4	200.69	1/4	220.72	1/4	240.76	1/4	260.79	1/4	280.83	1/4	300.87																
1/2	0.84	1/2	20.79	1/2	40.69	1/2	60.80	1/2	80.84	1/2	100.87	1/2	120.92	1/2	140.97	1/2	161.01	1/2	181.06	1/2	201.11	1/2	221.14	1/2	241.18	1/2	261.21	1/2	281.25	1/2	301.29																
3/4	1.26	3/4	21.20	3/4	41.11	3/4	61.22	3/4	81.25	3/4	101.29	3/4	121.34	3/4	141.38	3/4	161.43	3/4	181.48	3/4	201.52	3/4	221.56	3/4	241.59	3/4	261.63	3/4	281.67	3/4	301.71																
1"	1.68	1"	21.61	1"	41.52	1"	61.64	1"	81.67	1"	101.71	1"	121.75	1"	141.80	1"	161.85	1"	181.89	1"	201.94	1"	221.98	1"	242.01	1"	262.05	1"	282.08	1"	302.12																
1/4	2.10	1/4	22.02	1/4	41.94	1/4	62.05	1/4	82.09	1/4	102.13	1/4	122.17	1/4	142.22	1/4	162.27	1/4	182.31	1/4	202.36	1/4	222.39	1/4	242.43	1/4	262.46	1/4	282.50	1/4	302.54																
1/2	2.51	1/2	22.42	1/2	42.36	1/2	62.47	1/2	82.51	1/2	102.54	1/2	122.59	1/2	142.64	1/2	162.68	1/2	182.73	1/2	202.77	1/2	222.81	1/2	242.85	1/2	262.88	1/2	282.92	1/2	302.96																
3/4	2.93	3/4	22.83	3/4	42.78	3/4	62.89	3/4	82.92	3/4	102.96	3/4	123.01	3/4	143.05	3/4	163.10	3/4	183.15	3/4	203.19	3/4	223.23	3/4	243.26	3/4	263.30	3/4	283.34	3/4	303.38																
2"	3.35	2"	23.24	2"	43.20	2"	63.30	2"	83.34	2"	103.38	2"	123.42	2"	143.47	2"	163.52	2"	183.56	2"	203.61	2"	223.65	2"	243.68	2"	263.72	2"	283.75	2"	303.79																
1/4	3.77	1/4	23.65	1/4	43.62	1/4	63.72	1/4	83.76	1/4	103.80	1/4	123.84	1/4	143.89	1/4	163.94	1/4	183.98	1/4	204.03	1/4	224.06	1/4	244.10	1/4	264.13	1/4	284.17	1/4	304.21																
1/2	4.19	1/2	24.05	1/2	44.04	1/2	64.14	1/2	84.18	1/2	104.21	1/2	124.26	1/2	144.31	1/2	164.35	1/2	184.40	1/2	204.44	1/2	224.48	1/2	244.52	1/2	264.55	1/2	284.59	1/2	304.63																
3/4	4.61	3/4	24.46	3/4	44.46	3/4	64.56	3/4	84.59	3/4	104.63	3/4	124.68	3/4	144.72	3/4	164.77	3/4	184.82	3/4	204.86	3/4	224.90	3/4	244.93	3/4	264.97	3/4	285.00	3/4	305.04																
3"	5.03	3"	24.87	3"	44.88	3"	64.97	3"	85.01	3"	105.05	3"	125.10	3"	145.14	3"	165.19	3"	185.24	3"	205.28	3"	225.32	3"	245.35	3"	265.39	3"	285.42	3"	305.46																
1/4	5.45	1/4	25.28	1/4	45.30	1/4	65.39	1/4	85.43	1/4	105.47	1/4	125.51	1/4	145.56	1/4	165.61	1/4	185.65	1/4	205.70	1/4	225.73	1/4	245.77	1/4	265.80	1/4	285.84	1/4	305.88																
1/2	5.87	1/2	25.68	1/2	45.72	1/2	65.81	1/2	85.84	1/2	105.88	1/2	125.93	1/2	145.98	1/2	166.02	1/2	186.07	1/2	206.11	1/2	226.15	1/2	246.19	1/2	266.22	1/2	286.26	1/2	306.30																
3/4	6.29	3/4	26.09	3/4	46.14	3/4	66.23	3/4	86.26	3/4	106.30	3/4	126.35	3/4	146.39	3/4	166.44	3/4	186.49	3/4	206.53	3/4	226.57	3/4	246.60	3/4	266.64	3/4	286.67	3/4	306.71																
4"	6.71	4"	26.50	4"	46.56	4"	66.64	4"	86.68	4"	106.72	4"	126.77	4"	146.81	4"	166.86	4"	186.91	4"	206.95	4"	226.98	4"	247.02	4"	267.06	4"	287.09	4"	307.13																
1/4	7.12	1/4	26.91	1/4	46.98	1/4	67.06	1/4	87.10	1/4	107.14	1/4	127.18	1/4	147.23	1/4	167.28	1/4	187.32	1/4	207.37	1/4	227.40	1/4	247.44	1/4	267.47	1/4	287.51	1/4	307.55																
1/2	7.54	1/2	27.32	1/2	47.39	1/2	67.48	1/2	87.51	1/2	107.55	1/2	127.60	1/2	147.65	1/2	167.69	1/2	187.74	1/2	207.78	1/2	227.82	1/2	247.86	1/2	267.89	1/2	287.93	1/2	307.97																
3/4	7.96	3/4	27.72	3/4	47.81	3/4	67.90	3/4	87.93	3/4	107.97	3/4	128.02	3/4	148.07	3/4	168.11	3/4	188.16	3/4	208.20	3/4	228.24	3/4	248.27	3/4	268.31	3/4	288.34	3/4	308.38																
5"	8.38	5"	28.13	5"	48.23	5"	68.31	5"	88.35	5"	108.39	5"	128.44	5"	148.48	5"	168.53	5"	188.58	5"	208.62	5"	228.65	5"	248.69	5"	268.73	5"	288.76	5"	308.80																
1/4	8.80	1/4	28.54	1/4	48.65	1/4	68.73	1/4	88.77	1/4	108.81	1/4	128.85	1/4	148.90	1/4	168.95	1/4	188.99	1/4	209.04	1/4	229.07	1/4	249.11	1/4	269.14	1/4	289.18	1/4	309.22																
1/2	9.22	1/2	28.95	1/2	49.07	1/2	69.15	1/2	89.18	1/2	109.23	1/2	129.27	1/2	149.32	1/2	169.37	1/2	189.41	1/2	209.45	1/2	229.49	1/2	249.52	1/2	269.56	1/2	289.60	1/2	309.64																
3/4	9.64	3/4	29.36	3/4	49.49	3/4	69.57	3/4	89.60	3/4	109.64	3/4	129.69	3/4	149.74	3/4	169.78	3/4	189.83	3/4	209.87	3/4	229.91	3/4	249.94	3/4	269.98	3/4	289.01	3/4	309.05																
6"	10.06	6"	29.78	6"	49.91	6"	69.98	6"	90.02	6"	110.06	6"	130.11	6"	150.15	6"	170.20	6"	190.25	6"	210.29	6"	230.32	6"	250.36	6"	270.40	6"	290.43	6"	310.47																
1/4	10.48	1/4	30.20	1/4	50.33	1/4	70.40	1/4	90.44	1/4	110.48	1/4	130.52	1/4	150.57	1/4	170.62	1/4	190.66	1/4	210.71	1/4	230.74	1/4	250.78	1/4	270.81	1/4	290.85	1/4	310.89																
1/2	10.90	1/2	30.62	1/2	50.75	1/2	70.82	1/2	90.85	1/2	110.90	1/2	130.94	1/2	150.99	1/2	171.04	1/2	191.08	1/2	211.12	1/2	231.16	1/2	251.19	1/2	271.23	1/2	291.27	1/2	311.31																
3/4	11.32	3/4	31.04	3/4	51.17	3/4	71.24	3/4	91.27	3/4	111.31	3/4	131.36	3/4	151.41	3/4	171.45	3/4	191.50	3/4	211.54	3/4	231.58	3/4	251.61	3/4	271.65	3/4	291.68	3/4	311.72																
7"	11.73	7"	31.46	7"	51.59	7"	71.65	7"	91.69	7"	111.73	7"	131.78	7"	151.82	7"	171.87	7"	191.92	7"	211.96	7"	231.99	7"	252.03	7"	272.07	7"	292.10	7"	312.14																
1/4	12.15	1/4	31.88	1/4	52.01	1/4	72.07	1/4	92.11	1/4	112.15	1/4	132.20	1/4	152.24	1/4	172.29	1/4	192.34	1/4	212.38	1/4	232.41	1/4	252.45	1/4	272.48	1/4	292.52	1/4	312.56																
1/2	12.57	1/2	32.30	1/2	52.43	1/2	72.49	1/2	92.52	1/2	112.57	1/2	132.61	1/2	152.66	1/2	172.71	1/2	192.75	1/2	212.79	1/2	232.83	1/2	252.86	1/2	272.90	1/2	292.94	1/2	312.98																
3/4	12.99	3/4	32.72	3/4	52.85	3/4	72.91	3/4	92.94	3/4	112.98	3/4	133.03	3/4	153.08	3/4	173.12	3/4	193.17	3/4	213.21	3/4	233.25	3/4	253.28	3/4	273.32	3/4	293.35	3/4	313.39																
8"	13.41	8"	33.14	8"	53.26	8"	73.32	8"	93.36	8"	113.40	8"	133.45	8"	153.49	8"	173.54	8"	193.59	8"	213.63	8"	233.66	8"	253.70	8"	273.73	8"	293.77	8"	313.81																
1/4	13.83	1/4	33.56	1/4	53.68	1/4	73.74	1/4	93.78	1/4	113.82	1/4	133.87	1/4	153.91	1/4	173.96	1/4	194.01	1/4	214.05	1/4	234.08	1/4	254.12	1/4	274.15	1/4	294.19	1/4	314.23																
1/2	14.25	1/2	33.98	1/2	54.10	1/2	74.16	1/2	94.19	1/2	114.24	1/2	134.28	1/2	154.33	1/2	174.38	1/2	194.42	1/2	214.46	1/2	234.50	1/2	254.53	1/2	274.57	1/2	294.61	1/2	314.65																
3/4	14.67	3/4	34.40	3/4	54.52	3/4	74.57	3/4	94.61	3/4	114.65	3/4	134.70	3/4	154.75	3/4	174.79	3/4	194.84	3/4	214.88	3/4	234.92	3/4	254.95	3/4	274.99	3/4	295.02	3/4	315.06																
9"	15.09	9"	34.82	9"	54.94	9"	74.99	9"	95.03	9"	115.07	9"	135.12	9"	155.17	9"	175.21	9"	195.26	9"	215.30	9"	235.33	9"	255.37	9"	275.40	9"	295.44	9"																	

Well	Lease	API Number	Status	Type	Location for Sundry an
BRENNAN FEDERAL 1	U-065342	43-047-15417	A	OIL	1980' FSL & 660' FEL (NE SE) SECTION 13, T7S, I
BRENNAN FEDERAL 5	SL-071745	43-047-15420	A	INJ	1969' FNL & 1833' FWL (SE NW) SECTION 18, T7S, I
BRENNAN FEDERAL 6	FEE	43-047-30109	A	OIL	835' FNL & 591' FWL (NWNW) SECTION 19, T7S, I
BRENNAN FEDERAL 9	U-071745	43-047-32477	A	OIL	1980' FSL & 1980' FEL (NW SE) SECTION 18, T7S, I
BRENNAN FEDERAL 10	ML-3068	43-047-32771	A	OIL	660' FNL & 1980' FEL (NW NE) SECTION 19, T7S, I
BRENNAN FEDERAL 11	U-071745	43-047-32772	A	INJ	649' FSL & 1886' FWL (SE SW) SECTION 18, T7S, I
BRENNAN FEDERAL 12	U-046	43-047-32779	A	OIL	726' FNL & 2200' FEL (NWNE) SECTION 18, T7S, I
BRENNAN FEDERAL 14	U-046	43-047-32774	A	OIL	744' FNL & 461' FWL (NW NW) SECTION 18, T7S, I

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

IN PLACE

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: 7/21/2003

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: 7/21/2003

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

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

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 8/28/2003

2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 8/28/2003

3. Bond information entered in RBDMS on: n/a

4. Fee wells attached to bond in RBDMS on: n/a

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: 965-003-032

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: ESB000024

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 799446

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 965-003-033

2. The **FORMER** operator has requested a release of liability from their bond on: n/a

The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well
Oil Gas
 Well Well Other

2. Name of Operator
QEP UINTA BASIN, INC.

3. Address and Telephone No. **Contact: dale.larsen@questar.com**
11002 E. 17500 S. VERNAL, UT 84078-8526 **435.781.4301 Fax 435.781.4329**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 18, T7S, R21E NWNE - 726' FNL, 2200' FEL

5. Lease Designation and Serial No.
U-046

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

7. If Unit or CA, Agreement Designation
Brennan Bottom Unit

8. Well Name and No.
Brennan Federal 12

9. API Well No.
43-047-32779

10. Field and Pool, or Exploratory Area
Brennan Bottom - Green River

11. County or Parish, State
UINTAH COUNTY, UTAH

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

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

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)
Perforated Green River formation at: 4770-4774'; 4850-4854'; 4982-4990'; 5090-5110'; 5224-5228'; 5234-5238'. Acidized with 4000 gal 7½% HCl acid. Returned to production, producing gas up annulus and fluids up tubing.

3 - BLM, 2- Utah OG&M, 1 - Denver, 1 - file Word file-server

RECEIVED
OCT 13 2004
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.
Signed Dale Larsen Title District Production Superintendent Date 10/11/04

(This space for Federal or State office use)

Approved by: _____ Title _____ Date _____

Conditions of approval, if any _____

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



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

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

RECEIVED

FEB 07 2000

DIVISION OF
OIL, GAS AND MINING

IN REPLY REFER TO
UT-931

February 4, 2000

Shenandoah Energy Inc.
Attn: Rae Cusimano
475 17th Street, Suite 1000
Denver, Colorado 80202

Re: Brennan Bottom Unit
Uintah County, Utah

Gentlemen:

On December 30, 1999, we received an indenture whereby Chevron U.S.A. Inc. resigned as Unit Operator and Shenandoah Energy Inc. was designated as Successor Unit Operator for the Brennan Bottom Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective February 4, 2000. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Brennan Bottom Unit Agreement.

Your statewide (Utah) oil and gas bond No. 0969 will be used to cover all operations within the Brennan Bottom Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

cc: Chevron U.S.A. Inc.

bcc: Field Manager - Vernal (w/enclosure)
~~Division of Oil, Gas & Mining~~
Minerals Adjudication Group U-932
File - Brennan Bottom Unit (w/enclosure)
MMS - Data Management Division
Agr. Sec. Chron
Fluid Chron

UT931:TAThompson:tt:2/4/00

May 28, 2003

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

Attention: John Baza/Jim Thompson

Gentlemen:

This will serve as notice that through the internal corporate changes described below, activities formerly conducted in the name of either Shenandoah Operating Company, LLC (SOC) and/or Shenandoah Energy, Inc. (SEI) will hereafter be conducted in the name of QEP Uinta Basin, Inc.: i) the Shenandoah entities were purchased in July, 2001 by Questar Market Resources, Inc., which is a mid-level holding company for the non-utility businesses of Questar Corporation, ii) Shenandoah Operating Company, LLC has now been merged into Shenandoah Energy, Inc. (SEI), iii) Shenandoah Energy, Inc. has now been re-named **QEP Uinta Basin, Inc.** pursuant to a State of Delaware Amended and Restated Certificate of Incorporation, iv) the same employees will continue to be responsible for operations of the former SOC and SEI properties, both in the field and in the office. Accordingly, the change involves only an internal corporate name change and no third party change of operator is involved. Please alter your records to reflect the entity name change. Attached is a spreadsheet listing all wells affected by this change.

Should you have any questions, please call me at 303 - 308-3056.

Yours truly,



Frank Nielsen
Division Landman

Enclosure

RECEIVED

JUN 02 2003

DIV. OF OIL, GAS & MINING

SEI (N235) to QEP (N2460) BRENNAN BOTTOM UNIT

well_name	Sec	T	R	api	Entity	Lease Type	type	stat	
BRENNAN FED 5	18	070S	210E	4304715420	5261	Federal	WI	A	
BRENNAN FED 11	18	070S	210E	4304732772	5261	Federal	WI	A	
BRENNAN FED 1	13	070S	200E	4304715417	5261	Federal	OW	P	
BRENNAN FED 9	18	070S	210E	4304732477	5261	Federal	OW	P	
BRENNAN FED 14	18	070S	210E	4304732774	5261	Federal	OW	P	
BRENNAN FED 12	18	070S	210E	4304732779	5261	Federal	OW	P	
BRENNAN FED 10	19	070S	210E	4304732771	5261	State	OW	P	
BRENNAN FED 6	19	070S	210E	4304730109	5261	Fee	OW	P	



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

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

IN REPLY REFER TO
UT-922

June 9, 2003

QEP Uinta Basin, Inc.
1050 17th Street, Suite 500
Denver, Colorado 80265

Re: Brennan Bottom Unit
Uintah County, Utah

Gentlemen:

On May 30, 2003, we received an indenture dated February 1, 2003, whereby Shenandoah Energy, Inc. changed its name and QEP Uinta Basin, Inc. was designated as Successor Unit Operator for the Brennan Bottom Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective June 9, 2003. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under Brennan Bottom Unit Agreement.

Your nationwide (Eastern States) oil and gas bond No. B000024 will be used to cover all operations within the Brennan Bottom Unit.

It is requested that you notify all interested parties of the name change of unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

bcc: Field Manager - Vernal (w/enclosure)
SITLA
Division of Oil, Gas & Mining
Minerals Adjudication Group
File – Brennan Bottom Unit (w/enclosure)
Agr. Sec. Chron
Fluid Chron

UT922:TAThompson:tt:6/9/03

JUL 07 2003

3104 (932.34)WF
Nationwide Bond ESB000024

NOTICE

QEP Uinta Basin, Inc.	:	Oil and Gas
1050 17 th Street Suite 500	:	lease
Denver, Colorado 80265	:	

Name Change Recognized

Acceptable evidence has been filed in this office concerning the name change of Shenandoah Energy Incorporated into QEP Uinta Basin, Incorporated. QEP Uinta Basin, Incorporated is the surviving entity. This name change is recognized effective April 17, 2003.

Eastern States will notify the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice.

If you identify other leases in which the merging entity maintain an interest, please contact this office and we will appropriately document those files with a copy of this notice.

If you have any questions, please contact Bill Forbes at 703-440-1536.

S/ Wilbert B. Forbes

Wilbert B. Forbes
Land Law Examiner
Branch of Use Authorization
Division of Resources Planning,
Use and Protection

bc: JFO, MMS, ES RF, 930 RF, 932.34 RF, E-932: wbf:07 /07/03:440-1536/ QEP Uinta Basin
MFO

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well
Oil Gas
 Well Well Other

2. Name of Operator
QEP, UINTA BASIN, INC.

3. Address and Telephone No. **11002 E. 17500 S. VERNAL, UT 84078-8526**
Contact: Amber Rich@questar.com
435-781-4300 Fax 435-781-4329

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
NW NE SEC 18, T7S, R21E, (726' FNL, 2200' FEL)

5. Lease Designation and Serial No.
U-406

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

7. If Unit or CA, Agreement Designation
Brennan Bottom Unit

8. Well Name and No.
Brennan Federal 12

9. API Well No.
43-047-32779

10. Field and Pool, or Exploratory Area
Brennan Bottom-Green River

11. County or Parish, State
UINTAH COUNTY, UTAH

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

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

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)
NOI for the Brennan Federal 12 Recompletion. We intend to recomplete the subject well to open new gas zones in the Green River Formation per attachment called "Recompletion Program-Green River Fuel Gas."

3 - BLM, 2- Utah OG&M, 1 - Denver, 1 - file Word file-server

COPY SENT TO OPERATOR
Date: 8-16-04
Initials: CHO

RECEIVED

AUG 04 2004

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.
Signed Mike Stahl Title Production Engineer Date 8/2/04

(This space for Federal or State office use)

Approved by: _____ Title **Accepted by the Utah Division of Oil, Gas and Mining** Federal Approval Of This Action Is Necessary

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

Date: _____ By: _____

*See instruction on Reverse Side

CONFIDENTIAL

Recompletion Program - Green River Fuel Gas

Well Name: Brennan Federal 12 AFE:
Field: Brennan Bottoms Well Code: SUT08818005
Location: NWNE Sec. 18, T7S, R21E 726' FNL; 2200' FEL.
County: Uintah State: Utah
API: 43-047- 32779 Spud Date (Surface): 12/26/96
Rotary Spud Date: _____

WI%
NRI%

Well Data: TD: 7125 PBD: 7078
Elevation: Grd.: 4797 K.B.: 4811

Casing & Cementing:

Surface: 8-5/8" K-55 24# set @ 622'.
Cement with 375 sx Premium Class V + additives.
Perform 65 sx top-down job after cement job.

Production: 5 1/2" 17# N-80
Cement with 380 sx Hi-Fill. 11 ppg
Tail in with 485 sx Class H + additives. 14.8 ppg

Operation: Perforate 12 zones & breakdown in four stages to test for gas.

Completion Procedure:

Move out pumping unit. MIRU service unit.
Unseat pump and POOH with pump and rods.
POOH w/tubing. TAC @ 7020' and EOT @ 7056'
RIH with retrievable bridge plug and set @ 5500' +/-.
Fill casing w/2% KCl.

Perforate the following Green River intervals, correlating to the Western Atlas
Z-Densilog, CN, GR log dated 1-17-97.

Recompletion Program - Green River Fuel Gas

NOTE: Perforate 3 spf w/120 degree phasing.

<u>Zone</u>	<u>Interval</u>	<u>Mid-Perf</u>	<u>Feet</u>	<u>Holes</u>
Green River	4770 - 4774		4	12
Green River	4850 - 4854		4	12
Green River	4982 - 4990		8	24
Green River	5090 - 5110		20	60
Green River	5224 - 5228		4	12
Green River	5234 - 5238	5004	4	12
Total =			44	132

RIH w/ 2 7/8" tubing, packer and RBP. Isolate perms @ **5090 - 5238'** w/ RBP and packer. Stimulate the three Green River intervals with 2,000 gallons 7 1/2% HCl at a rate of 8 BPM. Drop 126 Bio-Balls in 3 different stages (42 each stage) after each 500 gallons. If significant ball action or a "ball-out" is occurring, eliminate the last stage of Bio-Balls. Flush to the bottom perforation. Record ISIP. Immediately prepare to release packer. **DO NOT SURGE BALLS UPHOLE.** Have Pro-Technics tag all acid.

Come uphole w/ 2 7/8" tubing and packer. Isolate perms @ **4770 - 5238'** w/ RBP and packer. Stimulate the six Green River intervals with 2,000 gallons 7 1/2% HCl at a rate of 8 BPM. Drop 72 Bio-Balls in 3 different stages (24 each stage) after each 500 gallons. If significant ball action or a "ball-out" is achieved, eliminate the last stage of Bio-Balls. Flush to the bottom perforation. Shut-in for 30 minutes. Surge balls and begin to recover load.

Swab test. If no gas is present, consult with Red Wash regarding a tracer survey. Prepare to come uphole.

If zone contains gas, continue testing until gas & fluid entry stabilizes.

Release packer and retrieve RBP. POOH.

RIH with TAC, tubing, pump and rods. MI pumping unit. TAC @ 7020'; EOT @ 7056'

Turn well over to production. Pump fluids up the tubing. Produce lease gas up the backside.

**** End of Phase I ****

Recompletion Program - Green River Fuel Gas

**** Phase II ****

If no gas is present after first stimulation, release packer and retrieve RBP.
 Come uphole and set RBP @ 4500' and POOH with packer.
 Perforate the following Green River intervals, correlating to the Western Atlas
 Z-Densilog, CN, GR log dated 1-17-97.

NOTE: Perforate **variable** spf w/120 degree phasing.

<u>Zone</u>	<u>Interval</u>	<u>Mid-Perf</u>	<u>Feet</u>	<u>Holes</u>
Green River	3412 - 3422		10	30
Green River	3562 - 3568		6	12
Green River	3686 - 3700		14	24
Green River	3722 - 3734		12	28
Green River	3810 - 3820		10	30
Green River	3998 - 4006	3709	8	16
Total =			60	140

RIH w/ 2 7/8" tubing, packer and RBP. Isolate perfs @ **3810 - 4006'** w/ RBP and packer.
 Stimulate the two Green River intervals with 2,000 gallons 7 1/2% HCl at a rate of 8 BPM.
 Drop 69 Bio-Balls in 3 different stages (23 each stage) after each 500 gallons.
 If significant ball action or a "ball-out" is occurring, eliminate the last stage of Bio-Balls.
 Flush to the bottom perforation. Record ISIP. Immediately prepare to release packer.
DO NOT SURGE BALLS UPHOLE. Have Pro-Technics tag all acid.

Come uphole w/ 2 7/8" tubing and packer. Isolate perfs @ **3412 - 4006'** w/ RBP and packer.
 Stimulate the six Green River intervals with 2,000 gallons 7 1/2% HCl at a rate of 8 BPM.
 Drop 141 Bio-Balls in 3 different stages (47 each stage) after each 500 gallons.
 If significant ball action or a "ball-out" is achieved, eliminate the last stage of Bio-Balls.
 Flush to the bottom perforation. Shut-in for 30 minutes.
 Surge balls and begin to recover load.

Swab test. If no gas is present, consult with Red Wash regarding a tracer survey.

If zone contains gas, continue testing until gas & fluid entry stabilizes.
 Release packer and retrieve RBP. POOH.

Recompletion Program - Green River Fuel Gas

RIH with TAC, tubing, pump and rods. MI pumping unit. TAC @ 7020'; EOT @ 7056'
Turn well over to production. Pump fluids up the tubing. Produce lease gas up the backside.

Completion Department - Uinta Basin Division

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING

1. DJJ
2. CDW

Change of Operator (Well Sold)

X - Operator Name Change/Merger

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

1/1/2007

FROM: (Old Operator): N2460-QEP Uinta Basin, Inc. 1050 17th St, Suite 500 Denver, CO 80265 Phone: 1 (303) 672-6900	TO: (New Operator): N5085-Questar E&P Company 1050 17th St, Suite 500 Denver, CO 80265 Phone: 1 (303) 672-6900
---	--

CA No.		Unit:		BRENNAN BOTTOM UNIT				
WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED LISTS				*				

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: 4/19/2007
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/16/2007
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 1/31/2005
- Is the new operator registered in the State of Utah: Business Number: 764611-0143
- (R649-9-2)Waste Management Plan has been received on: IN PLACE
- Inspections of LA PA state/fee well sites complete on: n/a
- Reports current for Production/Disposition & Sundries on: n/a
- 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 4/23/2007 BIA
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: 4/23/2007
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: _____
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: _____

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 4/30/2007 and 5/15/2007
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 4/30/2007 and 5/15/2007
- Bond information entered in RBDMS on: 4/30/2007 and 5/15/2007
- Fee/State wells attached to bond in RBDMS on: 4/30/2007 and 5/15/2007
- Injection Projects to new operator in RBDMS on: 4/30/2007 and 5/15/2007
- 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: 799446
- (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 965003033
- 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: THIS IS A COMPANY NAME CHANGE.

SOME WELL NAMES HAVE BEEN CHANGED AS REQUESTED

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)
BRENNAN BOTTOM UNIT

4/30/2007 and 5/15/2007

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
BRENNAN FED 1	BRENNAN 1	NESE	13	070S	200E	4304715417	5261	Federal	OW	P
BRENNAN FED 3	BRENNAN 3	NESE	17	070S	210E	4304715419	10750	Federal	OW	P
BRENNAN FED 5	BRENNAN 5	SESW	18	070S	210E	4304715420	5261	Federal	WI	A
GULF BRENNAN FED 8	BRENNAN 8	SWSE	17	070S	210E	4304731509	5290	Federal	OW	P
BRENNAN FED 9	BRENNAN 9	NWSE	18	070S	210E	4304732477	5261	Federal	OW	P
BRENNAN FED 11	BRENNAN 11	SESW	18	070S	210E	4304732772	5261	Federal	WI	A
BRENNAN 14	BRENNAN 14	NWNW	18	070S	210E	4304732774	5261	Federal	OW	P
BRENNAN FED 12	BRENNAN 12	NWNE	18	070S	210E	4304732779	5261	Federal	OW	S
BBW 11G-20-7-21	BBW 11G-20-7-21	NESW	20	070S	210E	4304736516	15176	Federal	OW	P
BRENNAN FED 6	BRENNAN 6	NWNW	19	070S	210E	4304730109	5261	Fee	OW	P
BRENNAN FED 10	BRENNAN 10	NWNE	19	070S	210E	4304732771	5261	State	OW	P

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: see attached
2. NAME OF OPERATOR: QUESTAR EXPLORATION AND PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: see attached
3. ADDRESS OF OPERATOR: 1050 17th Street Suite 500 <small>City</small> Denver STATE CO ZIP 80265		7. UNIT or CA AGREEMENT NAME: see attached
4. LOCATION OF WELL FOOTAGES AT SURFACE: attached		8. WELL NAME and NUMBER: see attached
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		9. API NUMBER: attached
COUNTY: Uintah		10. FIELD AND POOL, OR WILDCAT:
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>1/1/2007</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.

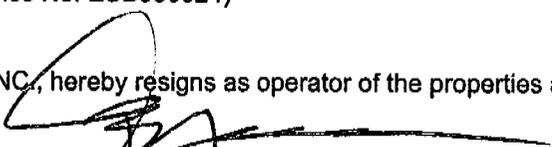
Effective January 1, 2007 operator of record, QEP Uinta Basin, Inc., will hereafter be known as QUESTAR EXPLORATION AND PRODUCTION COMPANY. This name change involves only an internal corporate name change and no third party change of operator is involved. The same employees will continue to be responsible 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)

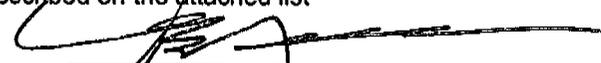
Utah State Bond Number: 965003033

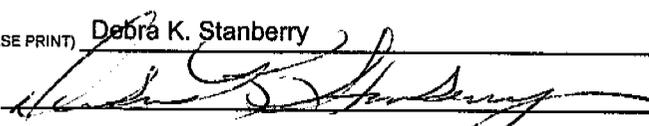
Fee Land Bond Number: 965003033

Current operator of record, QEP UINTA BASIN, INC., hereby resigns as operator of the properties as described on the attached list.


Jay B. Neese, Executive Vice President, QEP Uinta Basin, Inc.

Successor operator of record, QUESTAR EXPLORATION AND PRODUCTION COMPANY, hereby assumes all rights, duties and obligations as operator of the properties as described on the attached list


Jay B. Neese, Executive Vice President
Questar Exploration and Production Company

NAME (PLEASE PRINT) <u>Debra K. Stanberry</u>	TITLE <u>Supervisor, Regulatory Affairs</u>
SIGNATURE 	DATE <u>3/16/2007</u>

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APR 19 2007

DIV. OF OIL, GAS & MINING

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

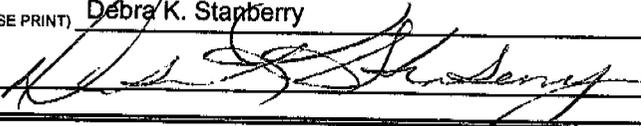
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: see attached
2. NAME OF OPERATOR: QUESTAR EXPLORATION AND PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: see attached
3. ADDRESS OF OPERATOR: 1050 17th Street Suite 500 City: Denver STATE: CO ZIP: 80265		7. UNIT or CA AGREEMENT NAME: see attached
4. LOCATION OF WELL FOOTAGES AT SURFACE: attached		8. WELL NAME and NUMBER: see attached
PHONE NUMBER: (303) 308-3068		9. API NUMBER: attached
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		10. FIELD AND POOL, OR WILDCAT:
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: <u>1/1/2007</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>Well Name Changes</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.

PER THE ATTACHED LIST OF WELLS, QUESTAR EXPLORATION AND PRODUCTION COMPANY REQUESTS THAT THE INDIVIDUAL WELL NAMES BE UPDATED IN YOUR RECORDS.

NAME (PLEASE PRINT) <u>Debra K. Stanberry</u>	TITLE <u>Supervisor, Regulatory Affairs</u>
SIGNATURE 	DATE <u>4/17/2007</u>

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APR 19 2007
DIV. OF OIL, GAS & MINING



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

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



IN REPLY REFER TO
3180
UT-922

April 23, 2007

Questar Exploration and Production Company
1050 17th Street, Suite 500
Denver, Colorado 80265

Re: Brennan Bottom Unit
Uintah County, Utah

Gentlemen:

On April 12, 2007, we received an indenture dated April 6, 2007, whereby QEP Uinta Basin, Inc. resigned as Unit Operator and Questar Exploration and Production Company was designated as Successor Unit Operator for the Brennan Bottom Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective April 23, 2007. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Brennan Bottom Unit Agreement.

Your nationwide oil and gas bond No. ESB000024 will be used to cover all federal operations within the Brennan Bottom Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Greg J. Noble

Greg J. Noble
Acting Chief, Branch of Fluid Minerals

Enclosure

bcc: Field Manager - Vernal (w/enclosure)
SITLA
Division of Oil, Gas & Mining
File - Brennan Bottom Unit (w/enclosure)
Agr. Sec. Chron
Reading File
Central Files

UT922:TAThompson:tt:4/23/07

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APR 30 2007

DIV. OF OIL, GAS & MINING

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

FORM 3

APPLICATION FOR PERMIT TO DRILL

1A. TYPE OF WORK: <input type="checkbox"/> DRILL <input checked="" type="checkbox"/> REENTER <input checked="" type="checkbox"/> DEEPEN		5. MINERAL LEASE NO: UTSL-071745	6. SURFACE: FED.
B. TYPE OF WELL <input checked="" type="checkbox"/> OIL <input type="checkbox"/> GAS OTHER _____ <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE		7. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
2. NAME OF OPERATOR: QUESTAR EXPLORATION & PRODUCTION CO.		8. UNIT OF CA AGREEMENT NAME: BRENNAN BOTTOM UNIT	
3. ADDRESS OF OPERATOR: 11002 E. 17500 SO. CITY VERNAL STATE UT ZIP 84078		9. WELL NAME and NUMBER: BRENNAN 12	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 719' FNL 2209' FEL AT PROPOSED PRODUCING ZONE: 1400' FSL 450' FEL, NESE, SEC. 18, T7S, R21E		10. FIELD AND POOL, OR WILDCAT: BRENNAN BOTTOM 560	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 12 + 1 - MILES FROM OURAY, UTAH		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSE 18 7S 21E	12. COUNTY: UINTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE(FEET) 450' +/-		13. STATE: UTAH	
16. NUMBER OF ACRES IN LEASE: 2480		17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) 4,110' +/-		20. BOND DESCRIPTION: ESB000024	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 4794.8' GL		22. APPROXIMATE DATE WORK WILL START: ASAP	
		23. ESTIMATED DURATION: 20 DAYS	

24 PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
12 1/4"	8 5/8"	K-55	24 lb/ft (new) ST&C	622'	See Attached 8-point Drilling Plan
7 7/8"	5 1/2"	L-80	17 lb/ft (new) LT&C	7,125'	

25 ATTACHMENTS

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

WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER COMPLETE DRILLING PLAN

EVIDNECE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OW

NAME (PLEASE PRINT) Laura Bills TITLE Regulatory Affairs

SIGNATURE *Laura Bills* DATE 10/1/07

(This space for State use only)

API NUMBER ASSIGNED: 43047-32779

Approved by the Utah Division of Oil, Gas and Mining

(11/2001)

Surf

619409X
44525364
40.216639
-109.596724

BHL
619973X
44515814
40.207951
-109.590277

Date: 10-10-07
(See instructions on reverse side)

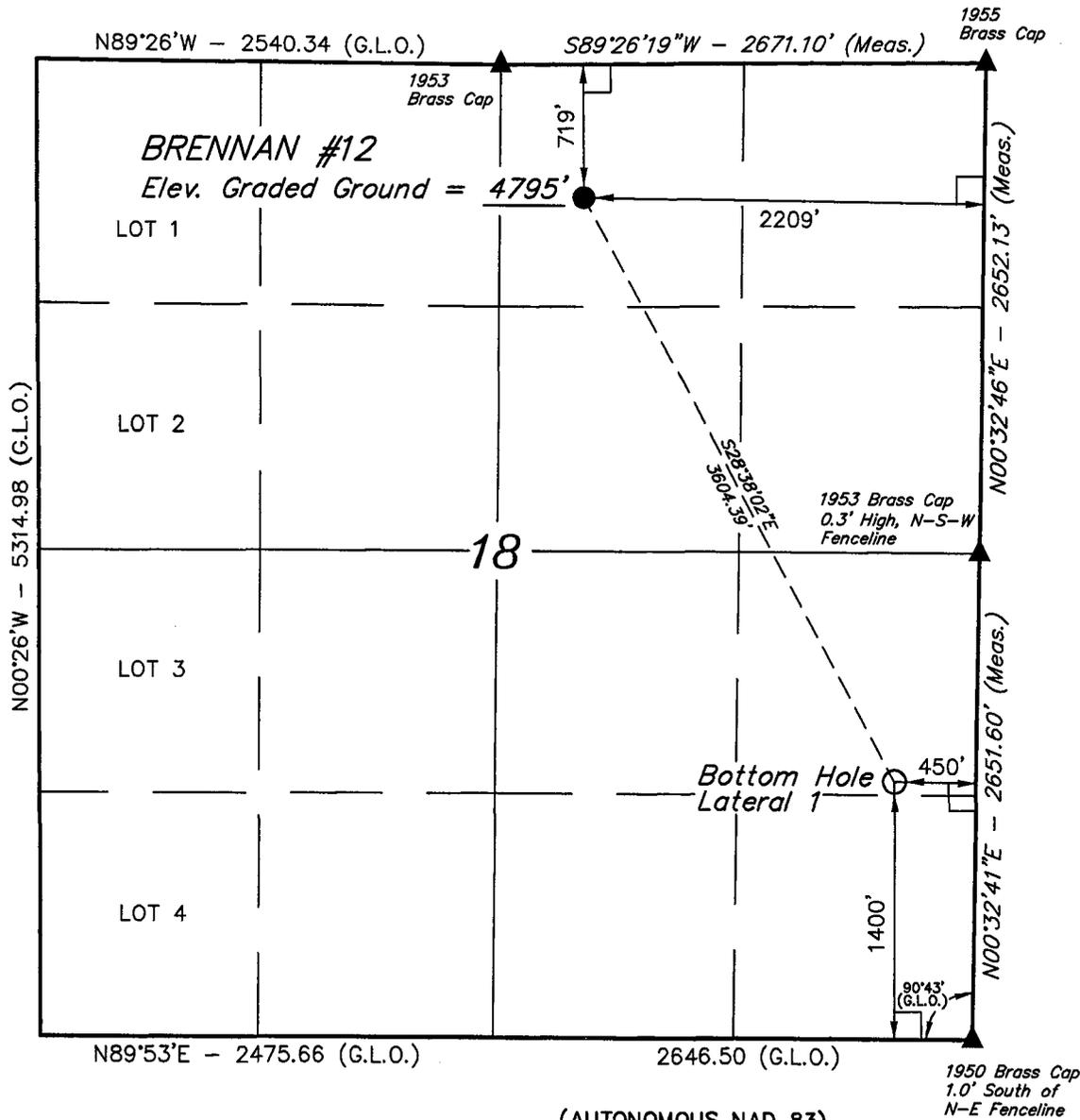
By: *[Signature]*

RECEIVED CONFIDENTIAL
OCT 04 2007
DIV. OF OIL, GAS & MINING

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

QUESTAR EXPLR. & PROD.

Well location, BRENNAN #12, located as shown in the NW 1/4 NE 1/4 of Section 18, T7S, R21E, S.L.B.&M. Uintah County, Utah.

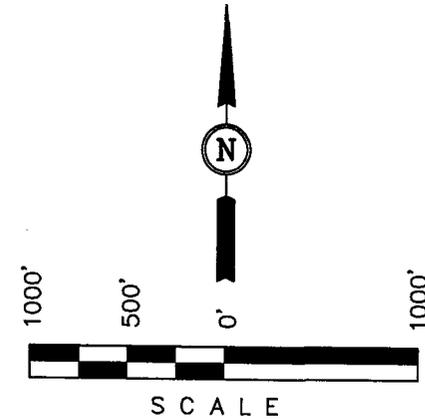


BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHEAST CORNER OF SECTION 18, T7S, R21E, S.L.B.&M. TAKEN FROM THE BRENNAN BASIN QUADRANGLE, UTAH, UINTAH COUNTY 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4698 FEET.

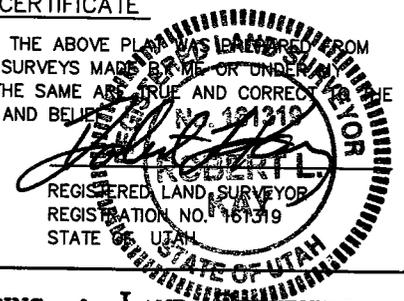
BASIS OF BEARINGS

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



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.



LEGEND:

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

(AUTONOMOUS NAD 83)
 LATITUDE = 40°12'59.63" (40.216564)
 LONGITUDE = 109°35'49.09" (109.596969)
 (AUTONOMOUS NAD 27)
 LATITUDE = 40°12'59.76" (40.216600)
 LONGITUDE = 109°35'46.60" (109.596278)

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

SCALE 1" = 1000'	DATE SURVEYED: 07-23-07	DATE DRAWN: 07-25-07
PARTY D.A. T.A. L.K.	REFERENCES G.L.O. PLAT	
WEATHER HOT	FILE QUESTAR EXPLR. & PROD.	

Additional Operator Remarks

Questar Exploration & Production Co. proposes to drill a re-entry well to 10,128' to test the Green River. 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 requirement.

See Onshore Order No. 1 attached

Please be advised that Questar Exploration & Production 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 Exploration & Production Co. via surety as consent as provided for the 43 CFR 3104.2.

PLEASE FIND ATTACHED:

1. Re-Entry Procedure
2. Pathfinder Drilling Proposal
3. 8-point Program
4. Proposed Well Bore Diagram
5. Legal Plats / Map Prepared by UELS
6. Location Layout Referring to Reserve Pit

If additional Technical Information is required, Please contact Steve Hall, Questar Petroleum Engineer at 303-672-6919.

QUESTAR EXPLORATION AND PRODUCTION

Brennan 12

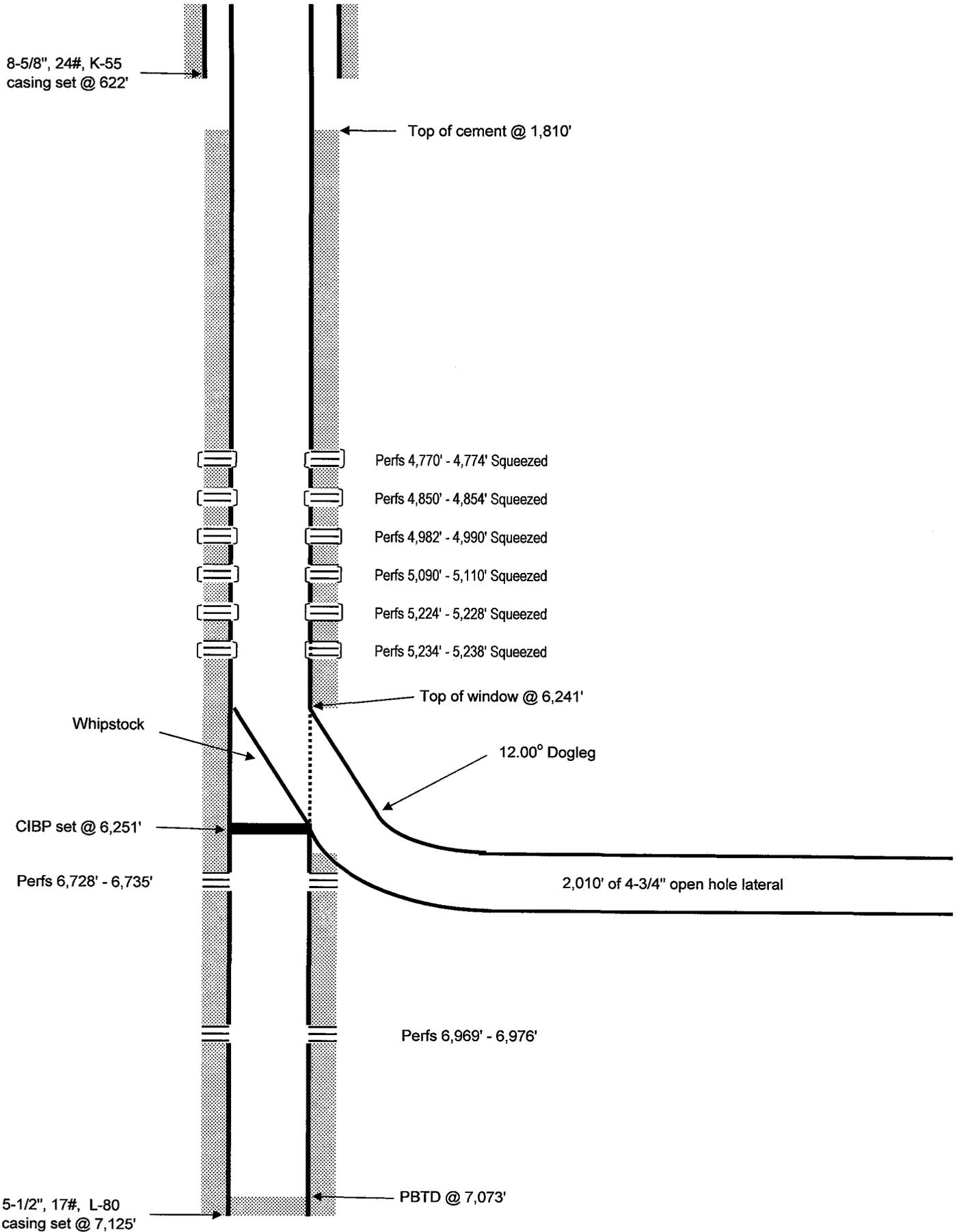
API: 43-047-32779

Summarized Re-Entry Procedure

1. Rig down pumping unit, clear location of all unnecessary equipment.
2. MIRU pulling unit.
3. ND tubing head, NU BOP's (3M).
4. Kill well if necessary.
5. Pull out of hole with 279 rods (2 - $\frac{7}{8}$ " 2' plain, 1 - $\frac{7}{8}$ " 4' plain, 118 - $\frac{7}{8}$ " plain, & 161 - $\frac{3}{4}$ " plain) and 2 $\frac{1}{2}$ " x 1 $\frac{3}{4}$ " x 16 x 19 x 21' RHAC pump.
6. Unseat tubing anchor and POOH with 226 jts 2 $\frac{7}{8}$ " 6.5# J-55 tubing, TAC, PSN, T-Anchor.
7. PU bit and 5 $\frac{1}{2}$ " casing scraper, RIH to 6,500'.
8. Roll hole with KCl water, TOO H with bit and scraper.
9. RU wireline truck and RIH with CIBP.
10. Set top of CIBP @ +/- 6,251', 12' above nearest collar @ 6,263'. Dump 20' of sand on top.
11. Run in hole w/ RTTS packer, set at 5,190', squeeze perfs at 5,224'-5,228' and 5,234'-5,238' w/ 50 sacks cement.
12. Release packer, pull up to 5,030', set packer, squeeze perfs at 5,090'-5,110' w/ 50 sacks cement.
13. Release packer, pull up to 4,950', set packer, squeeze perfs at 4,982'-4,990' w/ 30 sacks cement.
14. Release packer, pull up to 4,820', set packer, squeeze perfs at 4,850'-4,854' w/ 25 sacks cement.
15. Release packer, pull up to 4,740', set packer, squeeze perfs at 4,770'-4,774' w/ 25 sacks cement. Trip out of hole with packer. Wait on cement.
16. RIH w/ bit and scraper, drill out cement, circulate hole clean to top of bridge plug. TOO H with bit and scraper.
17. ND BOP's
18. RD pulling unit, move off location.
19. MIRU drilling rig.
20. NU rig's 3,000 WP rated BOP.
21. RIH with whipstock, set and orient whipstock.

22. TIH with milling BHA, mill window in 5 ½" casing @ 6,241' top, 6,251' bottom.
23. TOOH, PU directional BHA, TIH.
24. Drill well at a 151.36° azimuth with 12.00°/100' build rates to land in G1 Lime formation at a TVD of +/- 6,728'.
25. Drill +/- 2,010' of lateral in G1 Lime.
 - a. Mud system to be a KCl weighted water based mud, weights are expected to be in the 8.6 – 9.4 ppg range.
26. Circulate and condition hole, TOOH, LDDP.
 - a. Lateral will be left as open hole, therefore no casing or cement are required
27. RIH and set CBP @ +/- 4,500' to isolate lateral.
28. ND BOP's
29. RDMOL

Brennan 14 Re-Entry Horizontal Well





Questar Exploration & Production

Uintah Co., UT

Sec.18-T7S-R21E

Brennan Fed. 12 (RHZ)

Wellbore Lat#1

Plan: Plan #1

Pathfinder Planning Report

10 August, 2007



Database:	EDM 2003.16 Single User Db	Local Co-ordinate Reference:	Well Brennan Fed. 12 (RHZ)
Company:	Questar Exploration & Production	TVD Reference:	WELL @ 4811.0ft (Original Well Elev)
Project:	Uintah Co., UT	MD Reference:	WELL @ 4811.0ft (Original Well Elev)
Site:	Sec.18-T7S-R21E	North Reference:	True
Well:	Brennan Fed. 12 (RHZ)	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore Lat#1		
Design:	Plan #1		

Project	Uintah Co., UT		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	Sec.18-T7S-R21E				
Site Position:		Northing:	7,253,262.94 ft	Latitude:	40° 12' 59.616 N
From:	Lat/Long	Easting:	2,171,891.64 ft	Longitude:	109° 35' 47.976 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	1.22 °

Well	Brennan Fed. 12 (RHZ)					
Well Position	+N/-S	0.0 ft	Northing:	7,253,262.94 ft	Latitude:	40° 12' 59.616 N
	+E/-W	0.0 ft	Easting:	2,171,891.64 ft	Longitude:	109° 35' 47.976 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,797.0 ft

Wellbore	Wellbore Lat#1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	8/10/2007	11.63	66.13	52,838

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	151.36

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
6,250.7	0.00	0.00	6,250.7	0.0	0.0	0.00	0.00	0.00	0.00	
7,011.5	91.30	151.36	6,728.0	-428.6	234.0	12.00	12.00	0.00	151.36	
10,128.4	91.30	151.36	6,657.3	-3,163.4	1,727.6	0.00	0.00	0.00	0.00	

Database:	EDM 2003.16 Single User Db	Local Co-ordinate Reference:	Well Brennan Fed. 12 (RHZ)
Company:	Questar Exploration & Production	TVD Reference:	WELL @ 4811.0ft (Original Well Elev)
Project:	Uintah Co., UT	MD Reference:	WELL @ 4811.0ft (Original Well Elev)
Site:	Sec.18-T7S-R21E	North Reference:	True
Well:	Brennan Fed. 12 (RHZ)	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore Lat#1		
Design:	Plan #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
KOP / Start Build 12.00°									
6,250.7	0.00	0.00	6,250.7	0.0	0.0	0.0	0.00	0.00	0.00
6,275.0	2.92	151.36	6,275.0	-0.5	0.3	0.6	12.00	12.00	0.00
6,300.0	5.92	151.36	6,299.9	-2.2	1.2	2.5	12.00	12.00	0.00
6,325.0	8.92	151.36	6,324.7	-5.1	2.8	5.8	12.00	12.00	0.00
6,350.0	11.92	151.36	6,349.3	-9.0	4.9	10.3	12.00	12.00	0.00
6,375.0	14.92	151.36	6,373.6	-14.1	7.7	16.1	12.00	12.00	0.00
6,400.0	17.92	151.36	6,397.6	-20.3	11.1	23.2	12.00	12.00	0.00
6,425.0	20.92	151.36	6,421.2	-27.6	15.1	31.5	12.00	12.00	0.00
6,450.0	23.92	151.36	6,444.3	-36.0	19.6	41.0	12.00	12.00	0.00
6,475.0	26.92	151.36	6,466.8	-45.4	24.8	51.7	12.00	12.00	0.00
6,500.0	29.92	151.36	6,488.8	-55.8	30.5	63.6	12.00	12.00	0.00
6,525.0	32.92	151.36	6,510.2	-67.3	36.7	76.6	12.00	12.00	0.00
6,550.0	35.92	151.36	6,530.8	-79.7	43.5	90.8	12.00	12.00	0.00
6,575.0	38.92	151.36	6,550.6	-93.0	50.8	106.0	12.00	12.00	0.00
6,600.0	41.92	151.36	6,569.7	-107.2	58.6	122.2	12.00	12.00	0.00
6,625.0	44.92	151.36	6,587.8	-122.3	66.8	139.4	12.00	12.00	0.00
6,650.0	47.92	151.36	6,605.1	-138.2	75.5	157.5	12.00	12.00	0.00
6,675.0	50.92	151.36	6,621.3	-154.9	84.6	176.4	12.00	12.00	0.00
6,700.0	53.92	151.36	6,636.6	-172.2	94.1	196.3	12.00	12.00	0.00
6,725.0	56.92	151.36	6,650.8	-190.3	103.9	216.8	12.00	12.00	0.00
6,750.0	59.92	151.36	6,663.8	-209.0	114.1	238.1	12.00	12.00	0.00
6,775.0	62.92	151.36	6,675.8	-228.3	124.7	260.1	12.00	12.00	0.00
6,800.0	65.92	151.36	6,686.6	-248.0	135.5	282.6	12.00	12.00	0.00
6,825.0	68.92	151.36	6,696.2	-268.3	146.5	305.7	12.00	12.00	0.00
6,850.0	71.92	151.36	6,704.6	-289.0	157.8	329.3	12.00	12.00	0.00
6,875.0	74.92	151.36	6,711.7	-310.0	169.3	353.2	12.00	12.00	0.00
6,900.0	77.92	151.36	6,717.6	-331.3	180.9	377.5	12.00	12.00	0.00
6,925.0	80.92	151.36	6,722.2	-352.9	192.7	402.1	12.00	12.00	0.00
6,950.0	83.92	151.36	6,725.5	-374.6	204.6	426.9	12.00	12.00	0.00
6,975.0	86.92	151.36	6,727.5	-396.5	216.5	451.8	12.00	12.00	0.00
G1 Lime Top Porosity									
6,980.3	87.55	151.36	6,727.7	-401.1	219.1	457.0	12.00	12.00	0.00
7,000.0	89.92	151.36	6,728.2	-418.4	228.5	476.8	12.00	12.00	0.00
Start hold at 7011.5 MD									
7,011.5	91.30	151.36	6,728.0	-428.6	234.0	488.3	12.00	12.00	0.00
7,100.0	91.30	151.36	6,726.0	-506.2	276.4	576.7	0.00	0.00	0.00
7,200.0	91.30	151.36	6,723.8	-593.9	324.4	676.7	0.00	0.00	0.00
7,300.0	91.30	151.36	6,721.5	-681.7	372.3	776.7	0.00	0.00	0.00
7,400.0	91.30	151.36	6,719.2	-769.4	420.2	876.7	0.00	0.00	0.00
7,500.0	91.30	151.36	6,717.0	-857.1	468.1	976.6	0.00	0.00	0.00
7,600.0	91.30	151.36	6,714.7	-944.9	516.0	1,076.6	0.00	0.00	0.00
7,700.0	91.30	151.36	6,712.4	-1,032.6	563.9	1,176.6	0.00	0.00	0.00
7,800.0	91.30	151.36	6,710.2	-1,120.4	611.9	1,276.6	0.00	0.00	0.00
7,900.0	91.30	151.36	6,707.9	-1,208.1	659.8	1,376.5	0.00	0.00	0.00
8,000.0	91.30	151.36	6,705.6	-1,295.9	707.7	1,476.5	0.00	0.00	0.00
8,100.0	91.30	151.36	6,703.3	-1,383.6	755.6	1,576.5	0.00	0.00	0.00
8,200.0	91.30	151.36	6,701.1	-1,471.3	803.5	1,676.5	0.00	0.00	0.00
8,300.0	91.30	151.36	6,698.8	-1,559.1	851.5	1,776.4	0.00	0.00	0.00
8,400.0	91.30	151.36	6,696.5	-1,646.8	899.4	1,876.4	0.00	0.00	0.00
8,500.0	91.30	151.36	6,694.3	-1,734.6	947.3	1,976.4	0.00	0.00	0.00
8,600.0	91.30	151.36	6,692.0	-1,822.3	995.2	2,076.4	0.00	0.00	0.00
8,700.0	91.30	151.36	6,689.7	-1,910.1	1,043.1	2,176.3	0.00	0.00	0.00

Database:	EDM 2003.16 Single User Db	Local Co-ordinate Reference:	Well Brennan Fed. 12 (RHZ)
Company:	Questar Exploration & Production	TVD Reference:	WELL @ 4811.0ft (Original Well Elev)
Project:	Uintah Co., UT	MD Reference:	WELL @ 4811.0ft (Original Well Elev)
Site:	Sec.18-T7S-R21E	North Reference:	True
Well:	Brennan Fed. 12 (RHZ)	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore Lat#1		
Design:	Plan #1		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
8,800.0	91.30	151.36	6,687.5	-1,997.8	1,091.0	2,276.3	0.00	0.00	0.00	
8,900.0	91.30	151.36	6,685.2	-2,085.5	1,139.0	2,376.3	0.00	0.00	0.00	
9,000.0	91.30	151.36	6,682.9	-2,173.3	1,186.9	2,476.3	0.00	0.00	0.00	
9,100.0	91.30	151.36	6,680.7	-2,261.0	1,234.8	2,576.2	0.00	0.00	0.00	
9,200.0	91.30	151.36	6,678.4	-2,348.8	1,282.7	2,676.2	0.00	0.00	0.00	
9,300.0	91.30	151.36	6,676.1	-2,436.5	1,330.6	2,776.2	0.00	0.00	0.00	
9,400.0	91.30	151.36	6,673.9	-2,524.2	1,378.6	2,876.1	0.00	0.00	0.00	
9,500.0	91.30	151.36	6,671.6	-2,612.0	1,426.5	2,976.1	0.00	0.00	0.00	
9,600.0	91.30	151.36	6,669.3	-2,699.7	1,474.4	3,076.1	0.00	0.00	0.00	
9,700.0	91.30	151.36	6,667.0	-2,787.5	1,522.3	3,176.1	0.00	0.00	0.00	
9,800.0	91.30	151.36	6,664.8	-2,875.2	1,570.2	3,276.0	0.00	0.00	0.00	
9,900.0	91.30	151.36	6,662.5	-2,963.0	1,618.1	3,376.0	0.00	0.00	0.00	
10,000.0	91.30	151.36	6,660.2	-3,050.7	1,666.1	3,476.0	0.00	0.00	0.00	
10,100.0	91.30	151.36	6,658.0	-3,138.4	1,714.0	3,576.0	0.00	0.00	0.00	
TD at 10128.4										
10,128.4	91.30	151.36	6,657.3	-3,163.4	1,727.6	3,604.4	0.00	0.00	0.00	

Targets										
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude	
PBHL Brennan #12 - plan hits target - Point	0.00	0.00	6,657.3	-3,163.4	1,727.6	7,250,137.03	2,173,686.16	40° 12' 28.352 N	109° 35' 25.707 W	

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
6,980.3	6,738.1	G1 Lime Top Porosity		-1.30	151.36	
	6,744.1	G1 Lime Bottom Porosity		-1.30	151.36	

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
6,250.7	6,250.7	0.0	0.0	KOP / Start Build 12.00°	
7,011.5	6,728.0	-428.6	234.0	Start hold at 7011.5 MD	
10,128.4	6,657.3	-3,163.4	1,727.6	TD at 10128.4	



Company: Questar Exploration & Production
 Field: Uintah Co., UT
 Location: Sec.18-T7S-R21E
 Well: Brennan Fed. 12 (RHZ)
 Wellbore Lat#1
 Plan: Plan #1 (Brennan Fed. 12 (RHZ)/Wellbore Lat#1)



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	6250.7	0.00	0.00	6250.7	0.0	0.0	0.00	0.00	0.0	
3	7011.5	91.30	151.36	6728.0	-428.6	234.0	12.00	151.36	488.3	
4	10128.4	91.30	151.36	6657.3	-3163.4	1727.6	0.00	0.00	3604.4	

WELL DETAILS: Brennan Fed. 12 (RHZ)

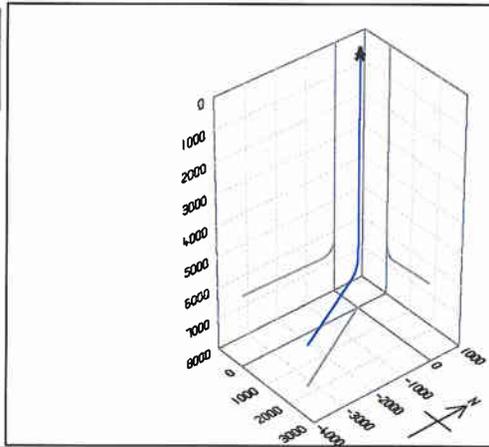
+N-S	+E-W	Northing	Ground Level:	Easting	Latitude	Longitude	Slot
0.0	0.0	7253262.94	4797.0	2171891.64	40° 12' 58.616 N	109° 35' 47.976 W	

WELLBORE TARGET DETAILS

Name	TVD	+N-S	+E-W	Shape
PBHL Brennan #12	6657.3	-3163.4	1727.6	Point

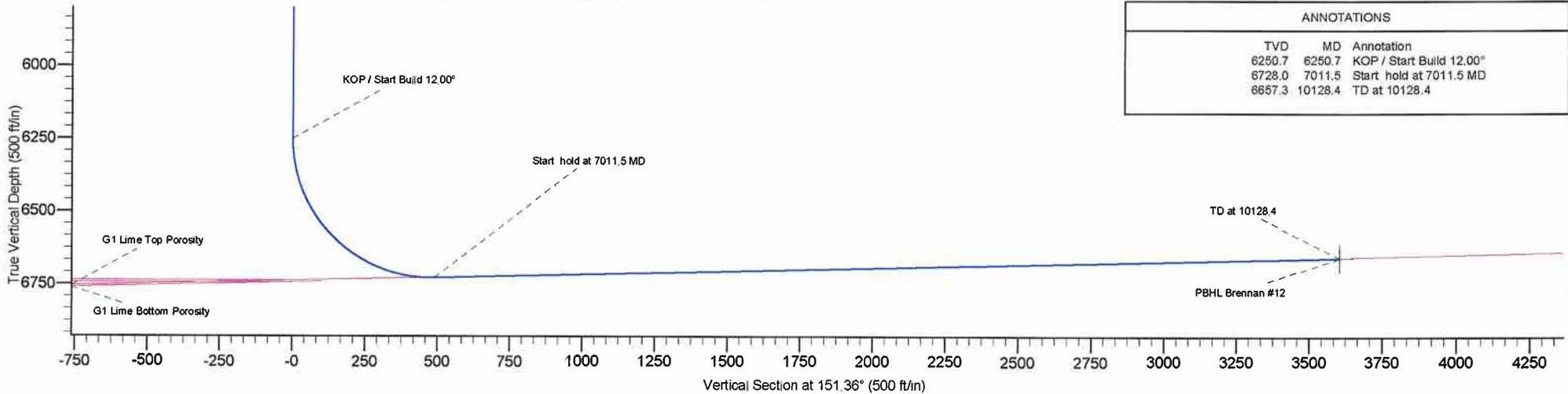
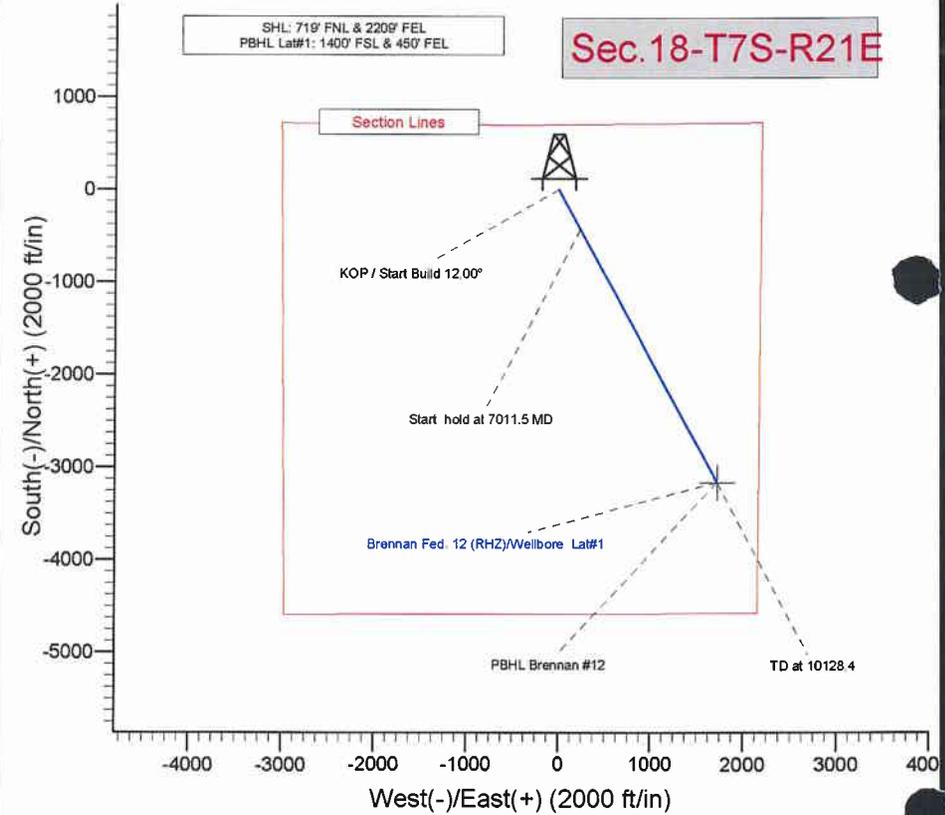
FORMATION TOP DETAILS

TVDPath	MDPath	Formation
6727.7	6980.3	G1 Lime Bottom Porosity
		G1 Lime Top Porosity



Azimuths to True North
 Magnetic North: 11.63°
 Magnetic Field
 Strength: 52838.4snT
 Dip Angle: 66.13°
 Date: 8/10/2007
 Model: IGRF200510

Sec.18-T7S-R21E



ANNOTATIONS

TVD	MD	Annotation
6250.7	6250.7	KOP / Start Build 12.00°
6728.0	7011.5	Start hold at 7011.5 MD
6657.3	10128.4	TD at 10128.4

FIELD:REDWASH

GL: 4812' KBE: 4826'

Start Date:3-12-05

Finish Date:3-12-05

WELL NAME: BREN-12

TD:7125' PBTD:7073'

Current Well Status:OIL

Location:

NW of NE SEC 18 TOWN 7S RANGE 21E
Uintah County, Utah

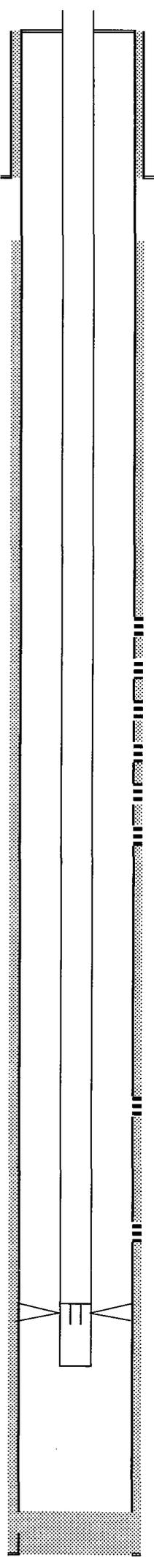
Reason for Pull/Workover:

Recomplete upper zones for gas

Wellbore Schematic

Surface casing

Size 8 5/8"
Weight 24#
Grade K-55
Cemented
W/ 440SXS
Set @622'
HOLE SIZE 12 1/4"



TOC @1810'

OPEN PERFS

4770' - 4774'

4850' - 4854'

4982' - 4990'

5090' - 5110'

5224' - 5228'

5234' - 5238'

6728'-6735'

6969'-6976'

TAC @ 7021'

PSN @ 7022'

EOT @ 7054'

PBTD @7073'

TD @ 7125'

Production casing

Size 5 1/2"
Weight 17#
Grade/ L-80
CEMENTED
W/ 865 SXS
SET @ 7125'
HOLE SIZE 7 7/8"

Tubing Landing Detail:

Description	Size	Footage	Depth
KB to Tbg Head		14.00	14.00
STRETCH		2.00	16.00
226 JNTS	2 7/8"	7002.47	7018.47
TAC	5.5	2.65	7021.12
PSN	2.250	1.10	7022.22
1 JT. w/BNC	2 7/8"	32.05	7054.27
EOT			7054.27

TUBING INFORMATION

2 7/8" J-55

Condition:

New: _____ Used: X Rerun: _____

Grade: _____ J-55

Weight (#/ft): _____ 6.5

Sucker Rod Detail:

Size	#Rods	Centralized
1 1/2" x 30'	POLISH ROD	
7/8"	2-2', 1-4'	PONYS
7/8"	118	PLAIN
3/4"	161	PLAIN

Rod Information

Condition:

New: _____ Used: X Rerun: _____

Grade: _____

Manufacture: _____

Pump Information:

API Designation 2 1/2" X 1 3/4" X 16 X 19 X 21' RHAC

PUMP SN# #1672

ORIGINAL RUN DATE: _____

RERUN _____ NEW RUN X

ESP Well

Cable Size: _____

Pump Intake @ _____

End of Pump @ _____

Flowing Well

RN @ 1.81" _____

PKR @ _____

EOT @ _____

Wellhead Detail:

7 1/16" 2000# _____

7 1/16" 3000# X

7 1/16" 5000# _____

Other: 10" _____

Hanger: Yes _____ No X

SUMMARY

1. C.B.L. CUTTERS DATED 1/30/97
2. PERFS 4"HSC 4SPF @ 90 DEG PHASING, @ 6969'-6976' AND 6728'-6735'.
3. ACIDIZED @ 6969'-6976' W/ 2500 GALS OF 28% HCL W/ ADDITIVES.
- 4.ACIDIZED @ 6625'-6629' W/ 2500 GALS OF 28% HCL W/ ADDITIVES .
5. EQUIP TO INJECTION.

9/27/04 Recompleted new zones for gas

3-12-05 PUMP CHANGE

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:

<u>Formation</u>	<u>Depth, TVD</u>	<u>Depth, MD</u>
Green River	3,346'	3,346'
Kick Off Point	6,251'	6,251'
Green River (G1 Lime)	6,728'	6,980'
TD	6,657'	10,128'

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:

<u>Substance</u>	<u>Formation</u>	<u>Depth, TVD</u>	<u>Depth, MD</u>
Oil/Gas	Green River (G1 Lime)	6,728'	6,980' – 10,128'

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

As this well is a re-entry of an existing well the surface and production casing strings are already in place as detailed below.

Hole Size	Casing Size	Depth, MD	Weight	Grade
12 1/4"	8 5/8"	622'	24.0	K-55
7 7/8"	5 1/2"	7,125'	17.0	L-80

The lateral portion of this wellbore will not be cased. Please refer to the attached wellbore diagram and re-entry procedure for further details.

5. 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

ONSHORE OIL & GAS ORDER NO. 1
QUESTAR EXPLORATION & PRODUCTION CO.
Brennan 12 Re-Entry

If drilling with air the following will be used:

- F. The blooie line shall be at least 6" in diameter and extend at least 100' from the wellbore into the reserve/blooie pit.
- G. Blooie line ignition shall be provided by a continuous pilot (ignited when drilling below 500')
- 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.

Drilling of the lateral will be done with fresh water KCl based mud systems consisting primarily of fresh water, bentonite, lignite, caustic, lime, soda ash, polymers, and KCl. 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 9.5 ppg.

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

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

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

6. 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 lateral 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.

7. **Cementing Program**

As this is a re-entry well and the newly drilled lateral will be left as open hole there will be no cement required to drill this well. Please refer to the attached wellbore diagram for existing casing and cement conditions.

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 3,300 psi. Maximum anticipated bottom hole temperature is approximately 160°F.

DRILLING PROGRAM

SCHEMATIC DIAGRAM OF 3,000 PSI BOP STACK

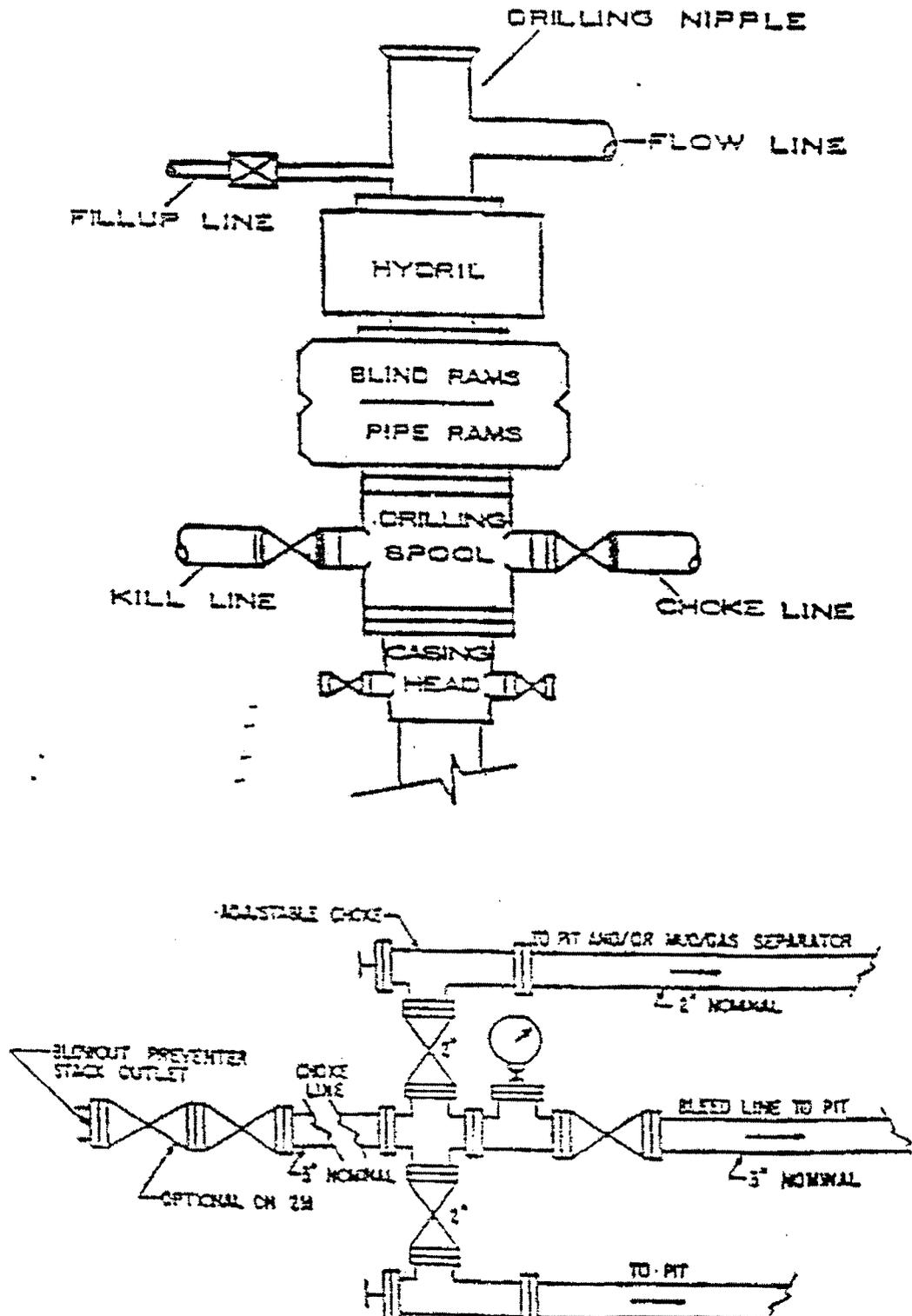
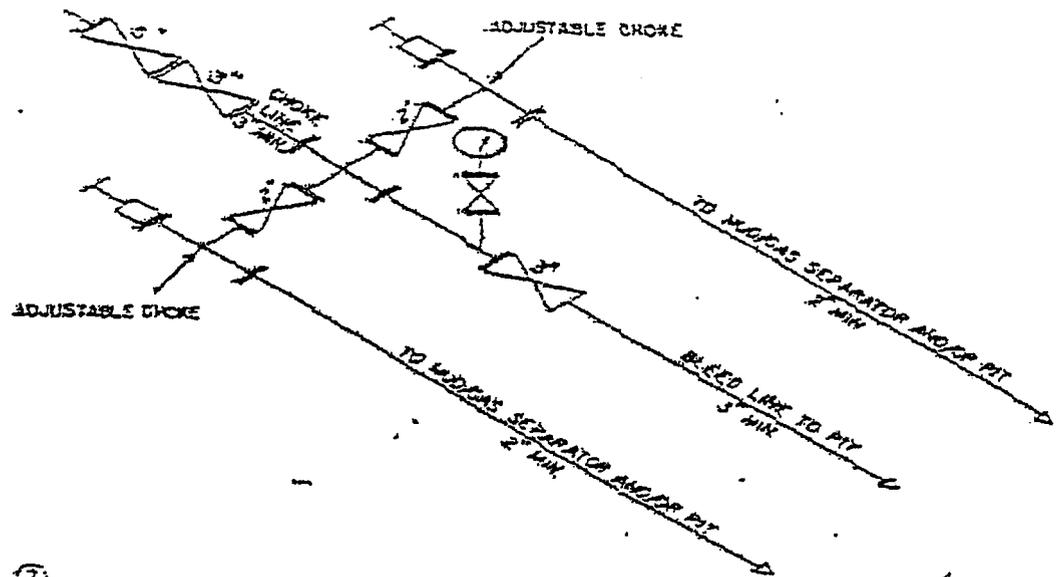


EXHIBIT A CONTINUED.

46212 Federal Register / Vol. 53, No. 223 / Friday, November 13, 1988 / Rules and Regulations



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

Lessee's or Operator's Representative:

Jan Nelson
Red Wash Rep.
QEP Uinta Basin, Inc.
11002 East 17500 South
Vernal, Utah 84078
(435) 781-4331

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.

QEP Uinta Basin, Inc. 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 QEP Uinta Basin, Inc. its' contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.



Jan Nelson

Red Wash Representative

01-Oct-07

Date

QUESTAR EXPLR. & PROD.

BRENNAN #12

LOCATED IN UINTAH COUNTY, UTAH
SECTION 18, T7S, R21E, S.L.B.&M.

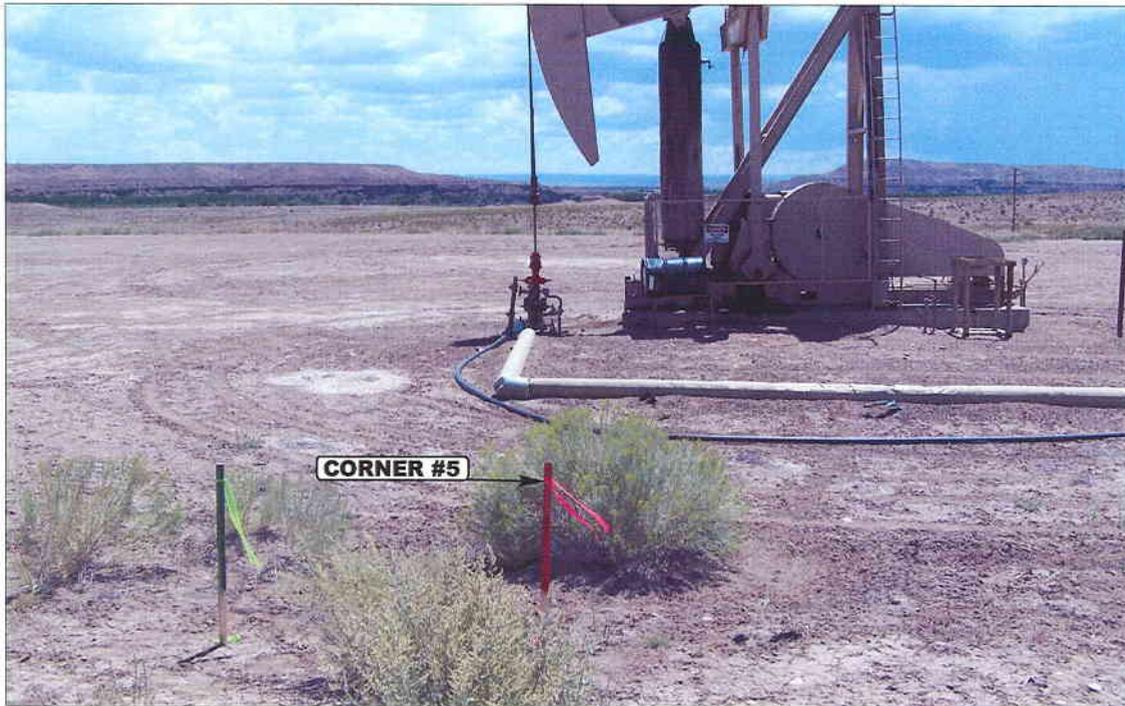


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHEASTERLY



PHOTO: VIEW OF EXISTING ACCESS

CAMERA ANGLE: EASTERLY



- Since 1964 -

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

LOCATION PHOTOS

07 31 07
MONTH DAY YEAR

PHOTO

TAKEN BY: D.A.

DRAWN BY: C.P.

REVISED: 00-00-00

QUESTAR EXPLR. & PROD.

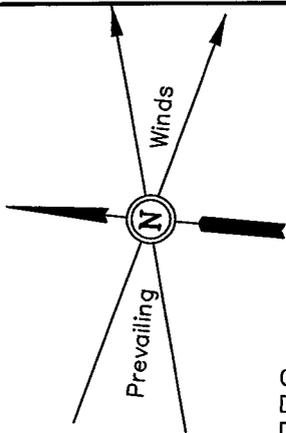
FIGURE #1

LOCATION LAYOUT FOR

BRENNAN #12

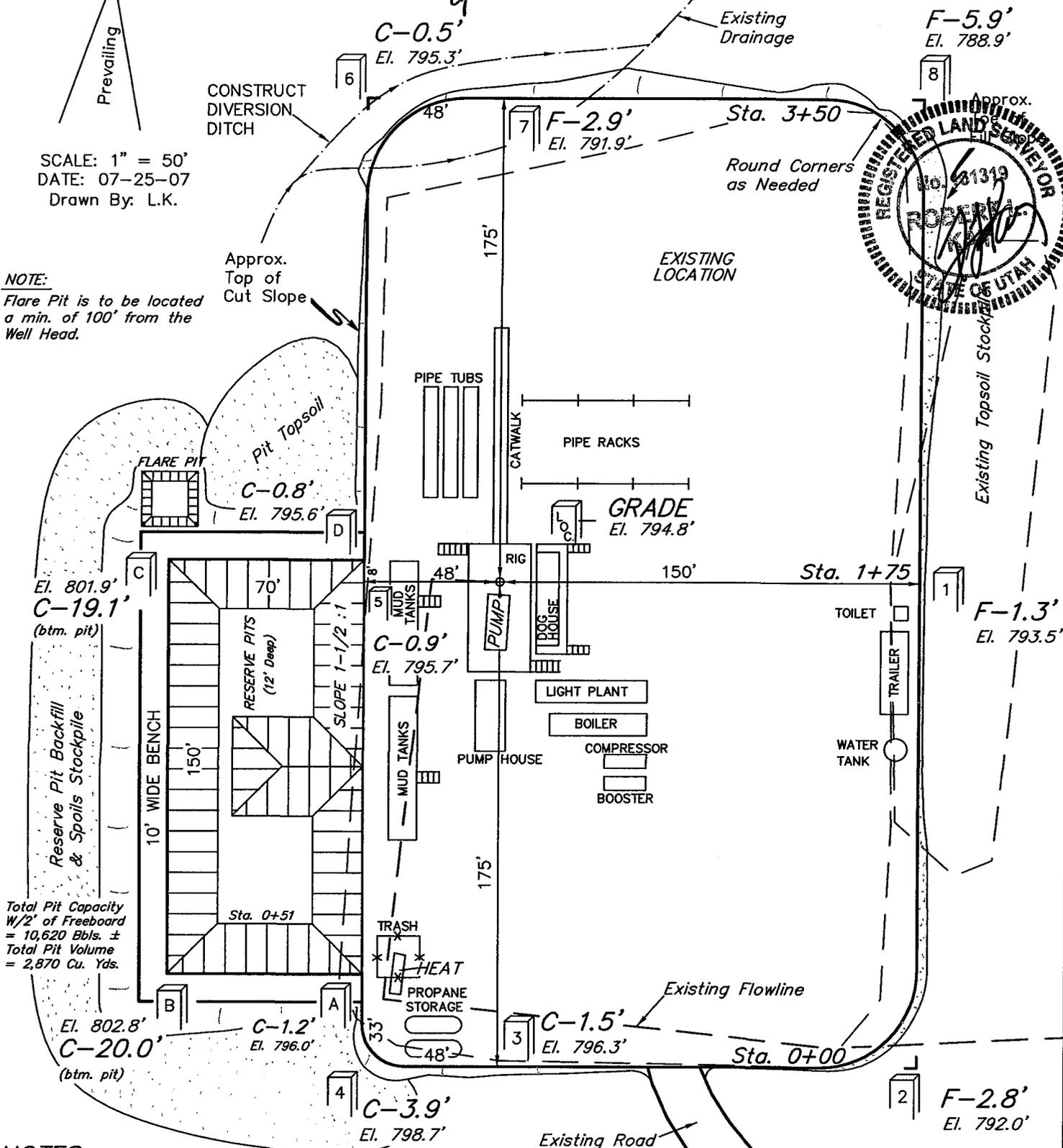
SECTION 18, T7S, R21E, S.L.B.&M.

718' FNL 2209' FEL



SCALE: 1" = 50'
DATE: 07-25-07
Drawn By: L.K.

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



NOTES:

FINISHED GRADE ELEV. AT BRENNAN #12 LOC. STAKE = 4794.8'

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

QUESTAR EXPLR. & PROD.

FIGURE #2

TYPICAL CROSS SECTIONS FOR

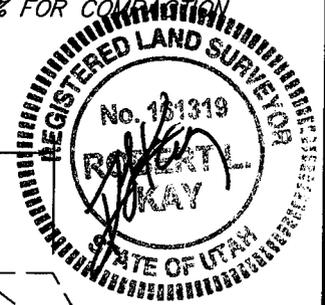
BRENNAN #12

SECTION 18, T7S, R21E, S.L.B.&M.

716' FNL 2209' FEL

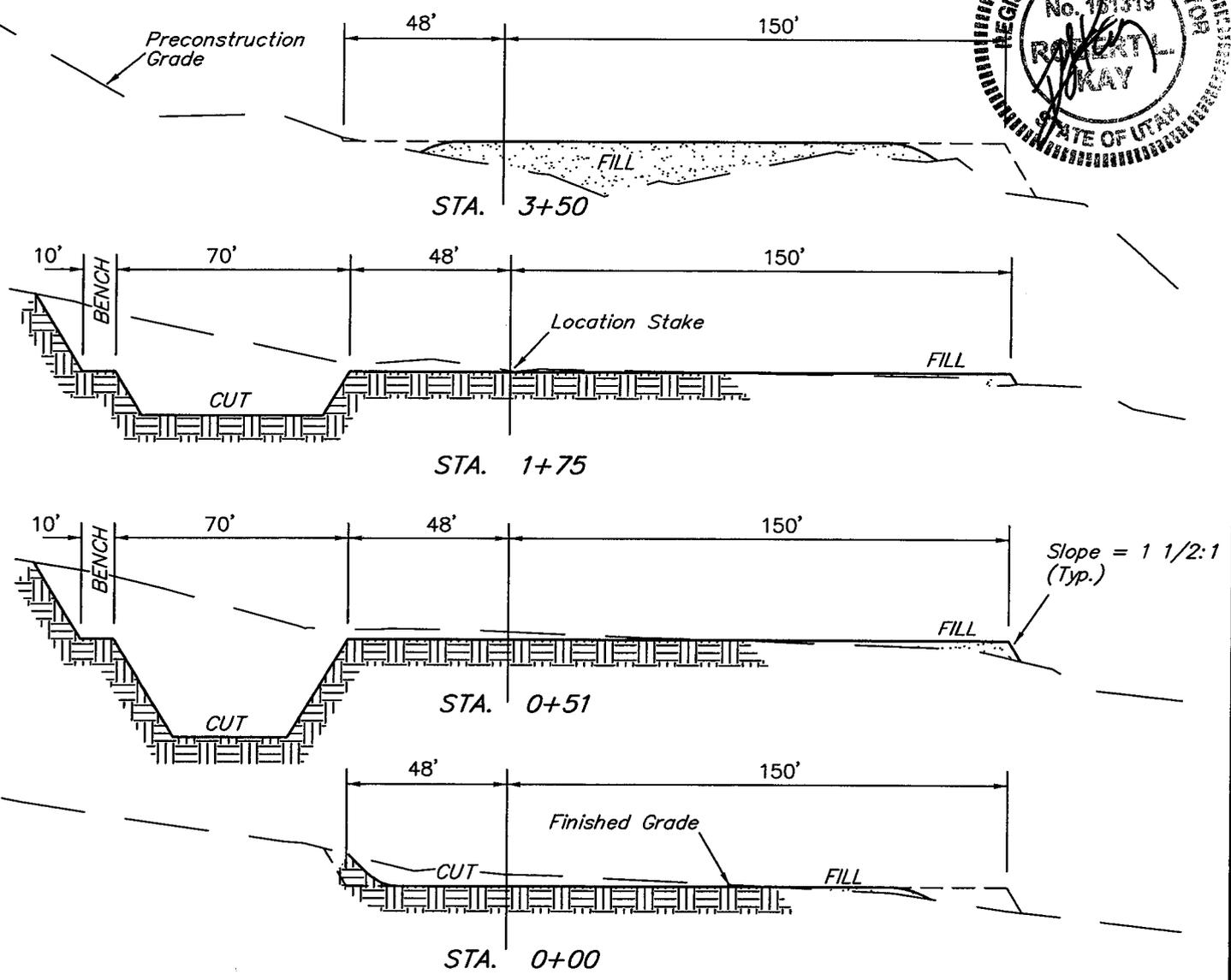
9

* NOTE:
FILL QUANTITY INCLUDES
5% FOR COMPACTION



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

DATE: 07-25-07
Drawn By: L.K.



NOTE:

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

APPROXIMATE ACREAGES

WELL SITE DISTURBANCE = ± 2.378 ACRES
TOTAL = ± 2.378 ACRES

APPROXIMATE YARDAGES

CUT
(6") Topsoil Stripping = 520 Cu. Yds.
(New Construction Only)
Remaining Location = 6,050 Cu. Yds.
TOTAL CUT = 6,570 CU.YDS.
FILL = 1,230 CU.YDS.

Excess Material = 5,340 Cu. Yds.
Topsoil & Pit Backfill = 1,960 Cu. Yds.
(1/2 Pit Vol.)
EXCESS UNBALANCE = 3,380 Cu. Yds.
(After Interim Rehabilitation)

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

QUESTAR EXPLR. & PROD.

INTERIM RECLAMATION PLAN FOR

BRENNAN #12

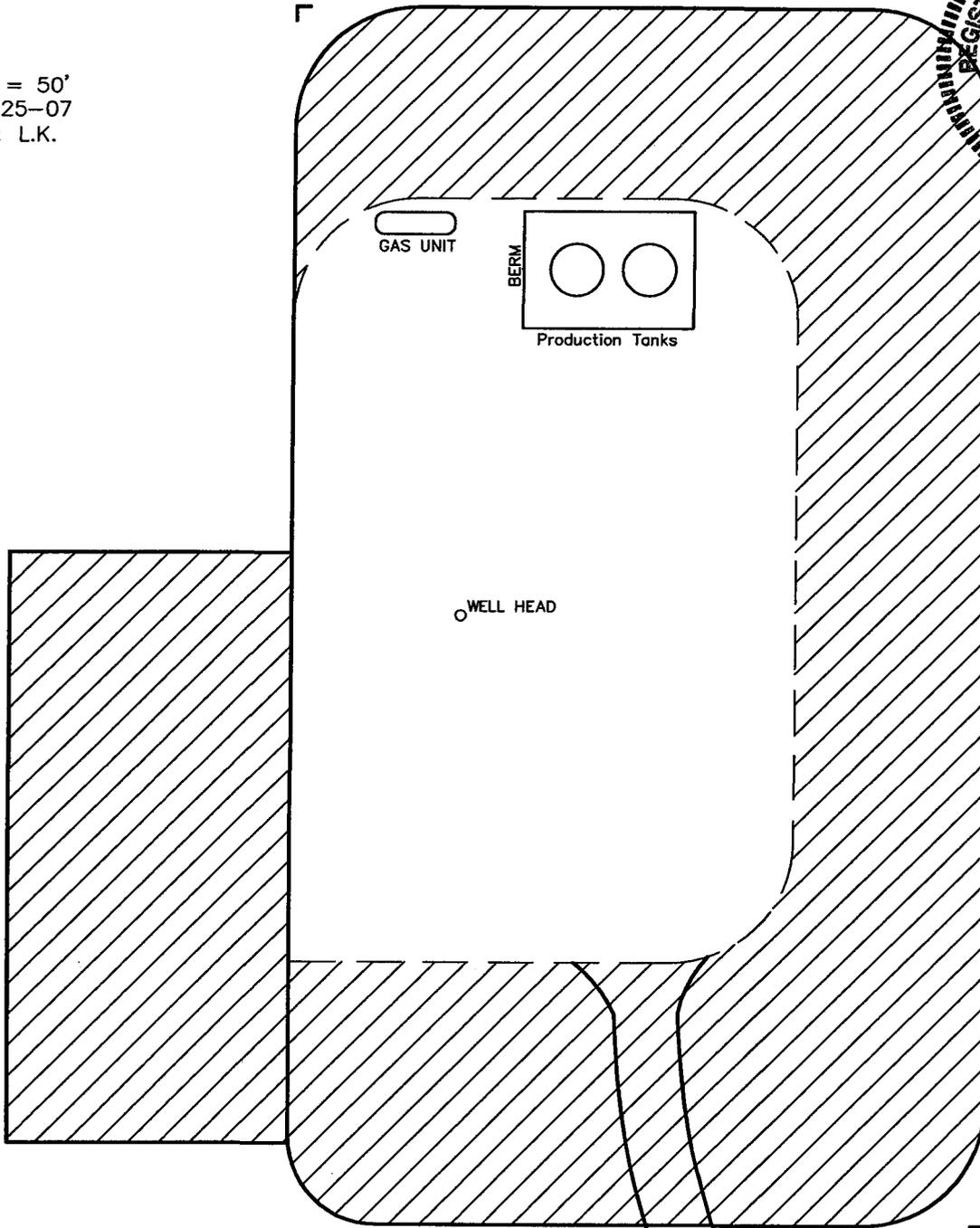
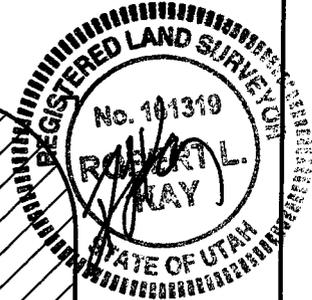
SECTION 18, T7S, R21E, S.L.B.&M.

718' FNL 2209' FEL

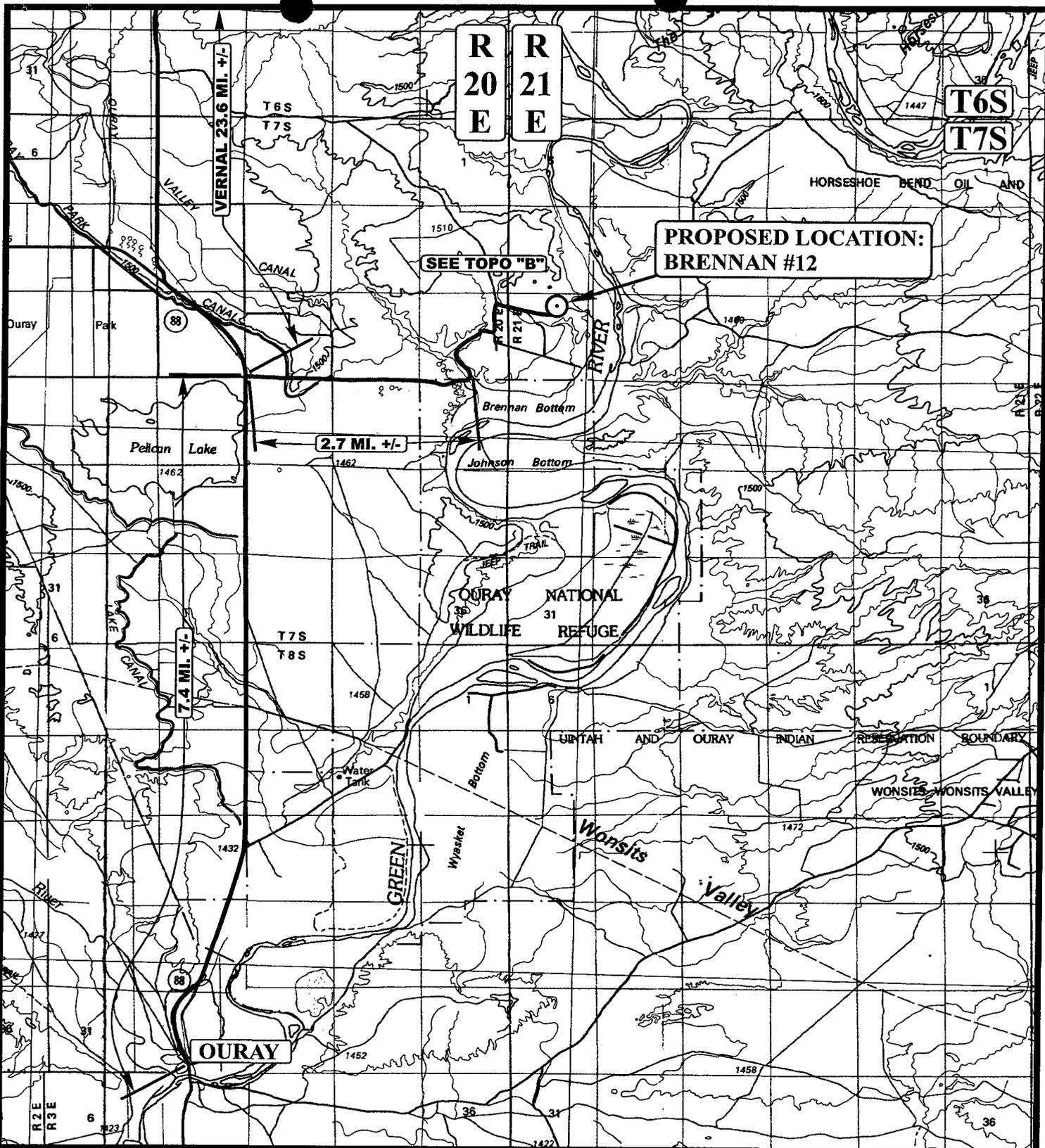
FIGURE #3



SCALE: 1" = 50'
DATE: 07-25-07
Drawn By: L.K.



 INTERIM RECLAMATION



LEGEND:

○ PROPOSED LOCATION



QUESTAR EXPLR. & PROD.

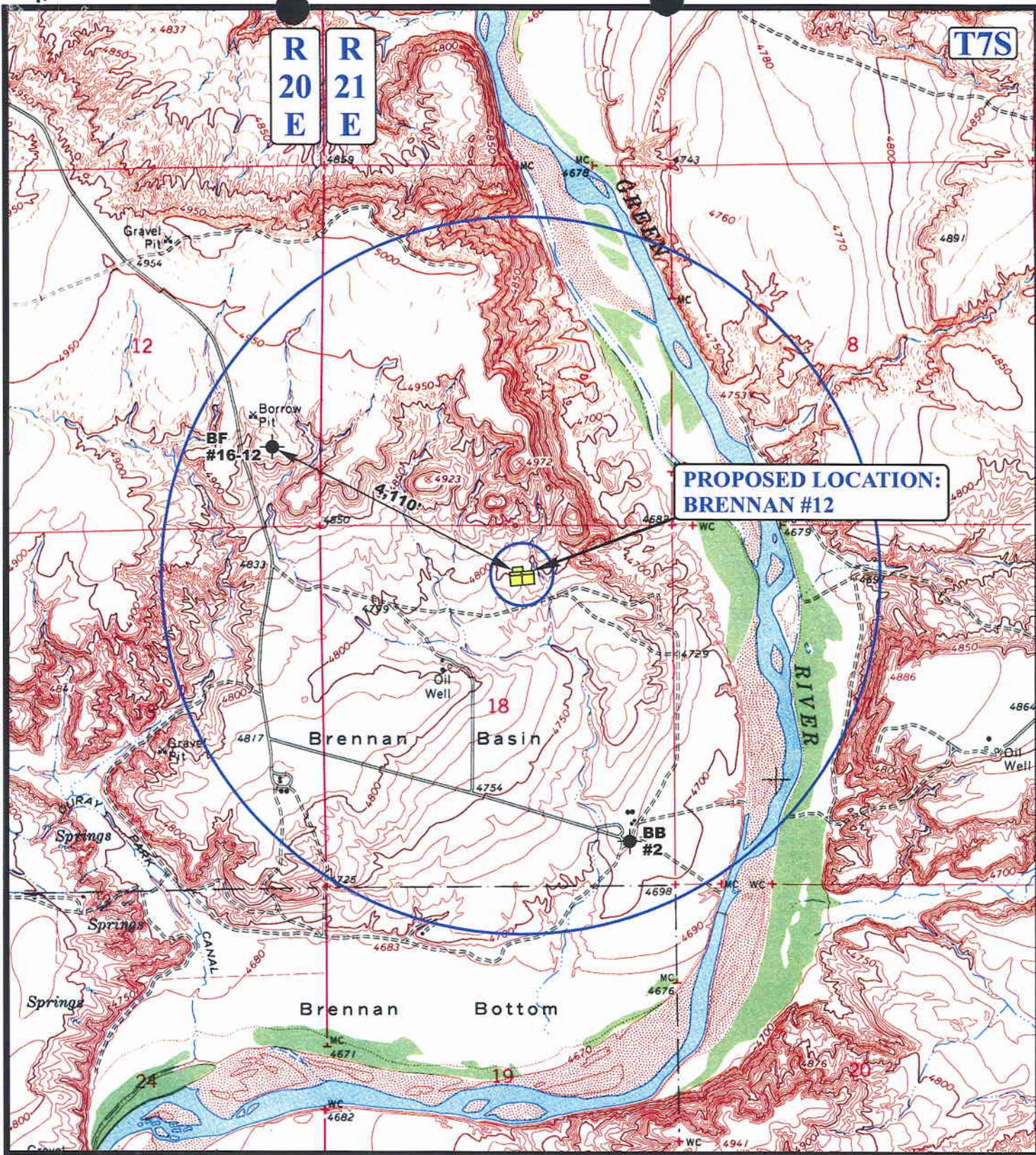
BRENNAN #12
SECTION 18, T7S, R21E, S.L.B.&M.
719' FNL 2209' FEL



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

TOPOGRAPHIC 07 31 07
MAP MONTH DAY YEAR
 SCALE: 1:100,000 DRAWN BY: C.P. REVISED: 00-00-00





**PROPOSED LOCATION:
BRENNAN #12**

LEGEND:

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

QUESTAR EXPLR. & PROD.

**BRENNAN #12
SECTION 18, T7S, R21E, S.L.B.&M.
719' FNL 2209' FEL**

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

TOPOGRAPHIC MAP 07 31 07
MONTH DAY YEAR
SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00



**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 10/04/2007

API NO. ASSIGNED: 43-047-32779

WELL NAME: BRENNAN 12 *Lease*
 OPERATOR: QUESTAR EXPLORATION & (N5085)
 CONTACT: LAURA BILLS

PHONE NUMBER: 435-781-4031

PROPOSED LOCATION:

NESE

NWNE 18 070S 210E
 SURFACE: 0719 FNL 2209 FEL
 BOTTOM: 1400 FSL 0450 FEL
 COUNTY: UINTAH
 LATITUDE: 40.21664 LONGITUDE: -109.5967
 UTM SURF EASTINGS: 619409 NORTHINGS: 4452536
 FIELD NAME: BRENNAN BOTTOM (560)

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

LEASE TYPE: 1 - Federal
 LEASE NUMBER: UTSL-071745
 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: BRENNAN BOTTOM * *Horizontal*
- ___ 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: _____

*BH-
Ready to go!*

STIPULATIONS: 1- Federal Approval
2- Spacing Strip

W BRENNAN
FED 16-12 ◊

T7S R21E

BRENNAN BOTTOM FIELD
CAUSE: R649-3-2.37 GENERAL SITING * HORIZONTAL

BRENNAN
BOTTOM
IHG-18-7-21
x

BRENNAN BOTTOM UNIT

BHL 1
⊙

BRENNAN
14

BRENNAN 12

BRENNAN 5
△

18

BRENNAN 1
⊙

BRENNAN
FED 13

BRENNAN 9

BHL
14

BHL
12

BRENNAN 11
△

BRENNAN
BOTTOM 2

BRENNAN 10

BRENNAN
FED 18 x

BRENNAN 6

OPERATOR: QUESTAR EXPL & PROD (N5085)

SEC: 18 T.7S R. 21E

FIELD: BRENNAN BOTTOM (560)

COUNTY: Uintah

CAUSE: R649-3-2.3 / GENERAL SITING * HORIZONTAL

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



OIL, GAS & MINING



PREPARED BY: DIANA MASON
DATE: 05-OCTOBER-2007

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:

3160

(UT-922)

October 5, 2007

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2007 Plan of Development Brennan Bottom Unit,
Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following well will be re-entered and completed horizontally in calendar year 2007 within the Brennan Bottom Unit, Uintah County, Utah

API#	WELL NAME	LOCATION
------	-----------	----------

(Proposed PZ Green River)

43-047-32779	Brennan 12 Sec 18 T07S R21E 0719 FNL 2209 FEL	
	BHL Sec 18 T07S R21E 1400 FSL 0450 FEL	

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

/s/ Michael L. Coulthard

bcc: File - Brennan Bottom
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:10-5-07



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil Gas and Mining

JOHN R. BAZA
Division Director

October 10, 2007

Questar Exploration & Production Company
11002 E 17500 S
Vernal, UT 84078

Re: Brennan 12 Well, Surface Location 719' FNL, 2209' FEL, NW NE, Sec. 18, T. 7 South,
R. 21 East, Bottom Location 1400' FSL, 450' FEL, NE SE, Sec. 18, 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 43-047-32779.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Uintah County Assessor
Bureau of Land Management, Vernal Office

Operator: Questar Exploration & Production Company
Well Name & Number Brennan 12
API Number: 43-047-32779
Lease: UTSL-071745

Surface Location: NW NE Sec. 18 T. 7 South R. 21 East
Bottom Location: NE SE Sec. 18 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 within 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 (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. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.
6. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

5. Lease Serial No.
UTSL-071745 / UTU-046

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

7. If Unit or CA/Agreement, Name and/or No.
BRENNAN BOTTOM UNIT

8. Well Name and No.
BRENNAN 12

9. API Well No.
43-047-32779

10. Field and Pool, or Exploratory Area
BRENNAN BOTTOM

11. County or Parish, State
UINTAH

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

CONFIDENTIAL

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
QUESTAR EXPLORATION & PRODUCTION CO.

3a. Address
11002 EAST 17500 SOUTH VERNAL, UTAH 84078

3b. Phone No. (include area code)
435-781-4331

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
719' FNL 2209' FEL, NWNE, SECTION 18, T7S, R21E Surface Location
1400' FSL 450' FEL, NESE, SECTION 18, T7S, R21E Bottom Hole Location

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize <input type="checkbox"/> Deepen <input type="checkbox"/> Production (Start/Resume) <input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Reclamation <input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair <input type="checkbox"/> New Construction <input type="checkbox"/> Recomplete <input type="checkbox"/> Other _____
	<input checked="" type="checkbox"/> Change Plans <input type="checkbox"/> Plug and Abandon <input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection <input type="checkbox"/> Plug Back <input type="checkbox"/> Water Disposal

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Questar Exploration & Production Company request permission to use a pre-perforated 3 1/2" liner to TD.

Please find attached:

1. Re-Entry Procedure
2. Proposed Well Bore Diagram
3. 8-point Drilling Program

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

Date: 12-17-2007
By: [Signature]

COPY SENT TO OPERATOR
Date: 12-20-2007
Initials: KS

If additional Technical Information is required, Please contact Steve Hall, Questar Petroleum Engineer, at 303-672-6919.

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

Name (Printed/Typed) Laura Bills	Title Regulatory Affairs
Signature <u>[Signature]</u>	Date December 3, 2007

THIS SPACE FOR FEDERAL OR STATE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

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.

(Instructions on reverse)

RECEIVED

DEC 04 2007

DIV. OF OIL, GAS & MINING

CONFIDENTIAL

QUESTAR EXPLORATION AND PRODUCTION

Brennan 12

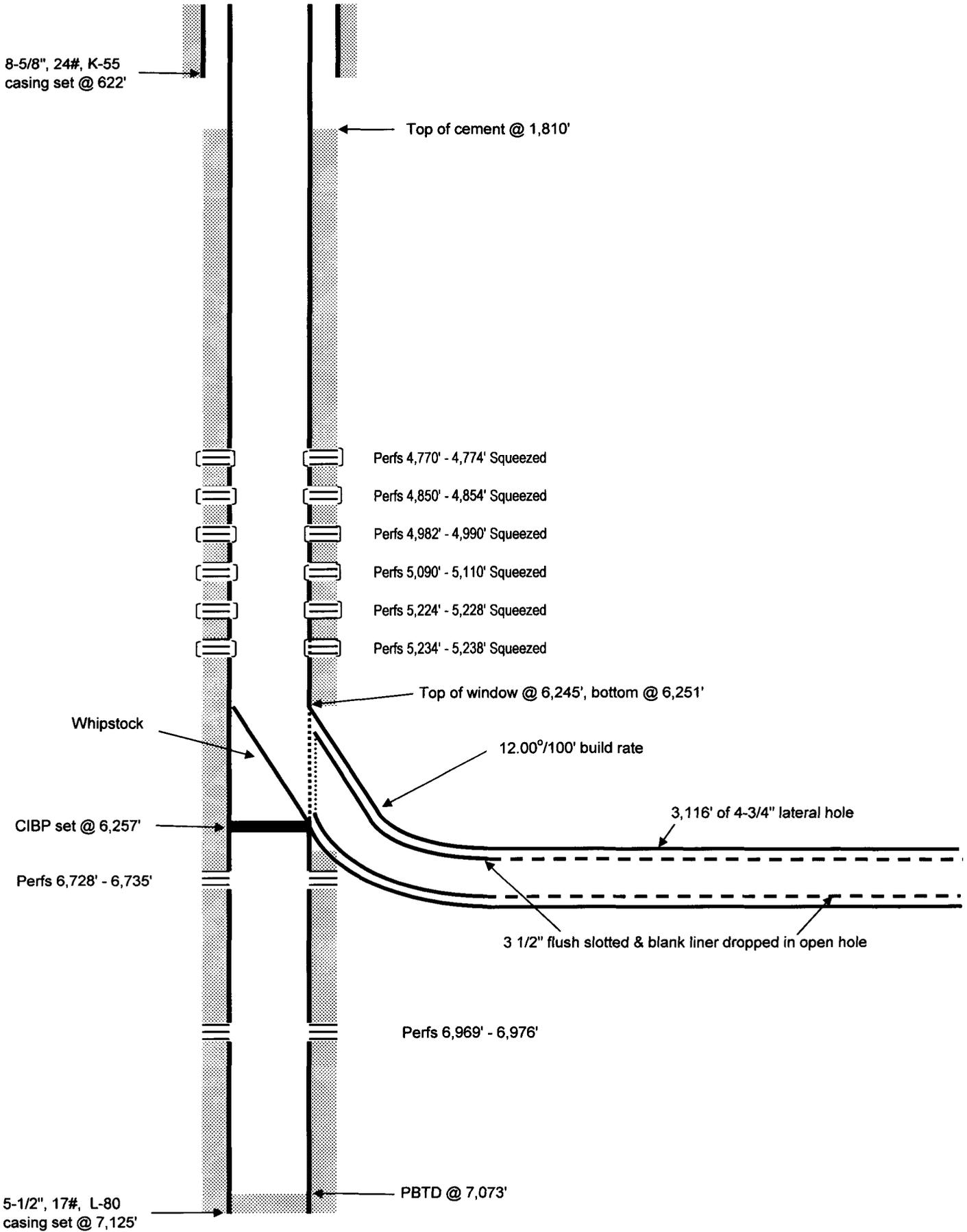
API: 43-047-32779

Summarized Re-Entry Procedure

1. Rig down pumping unit, clear location of all unnecessary equipment.
2. MIRU pulling unit.
3. ND tubing head, NU BOP's (3M).
4. Kill well if necessary.
5. Pull out of hole with 279 rods (2 - $\frac{7}{8}$ " 2' plain, 1 - $\frac{7}{8}$ " 4' plain, 118 - $\frac{7}{8}$ " plain, & 161 - $\frac{3}{4}$ " plain) and 2 $\frac{1}{2}$ " x 1 $\frac{3}{4}$ " x 16 x 19 x 21' RHAC pump.
6. Unseat tubing anchor and POOH with 226 jts 2 $\frac{7}{8}$ " 6.5# J-55 tubing, TAC, PSN, T-Anchor.
7. PU bit and 5 $\frac{1}{2}$ " casing scraper, RIH to 6,500'.
8. Roll hole with KCl water, TOO H with bit and scraper.
9. RU wireline truck and RIH with CIBP.
10. Set **top** of CIBP @ +/- 6,257', 19' above nearest collar @ 6,276'. Dump 20' of sand on top.
11. Run in hole w/ RTTS packer, set at 5,190', squeeze perfs at 5,224'-5,228' and 5,234'-5,238' w/ 50 sacks cement.
12. Release packer, pull up to 5,030', set packer, squeeze perfs at 5,090'-5,110' w/ 50 sacks cement.
13. Release packer, pull up to 4,950', set packer, squeeze perfs at 4,982'-4,990' w/ 30 sacks cement.
14. Release packer, pull up to 4,820', set packer, squeeze perfs at 4,850'-4,854' w/ 25 sacks cement.
15. Release packer, pull up to 4,740', set packer, squeeze perfs at 4,770'-4,774' w/ 25 sacks cement. Trip out of hole with packer. Wait on cement.
16. RIH w/ bit and scraper, drill out cement, circulate hole clean to top of bridge plug. TOO H with bit and scraper.
17. ND BOP's
18. RD pulling unit, move off location.
19. MIRU drilling rig.
20. NU rig's 3,000 WP rated BOP.

21. RIH with whipstock, set and orient whipstock on top of CIBP set at 6,257' oriented at $151.36^{\circ} \pm$ azimuth. If it is off a little, it is better to be less ($< 151.36^{\circ}$) rather than greater ($> 151.36^{\circ}$) due to the tendency for the bit to turn right as it comes out of the window. Plus or minus $2-3^{\circ}$ is acceptable.
22. Shear setting pins and start milling operations, mill window in 5 1/2" casing @ 6,245' top, 6,251' bottom and pilot hole. Work mills in and out of window several times.
23. TOOH, PU directional BHA and gyro tool, TIH.
24. Gyro steer the well at a 151.36° azimuth with $12.00^{\circ}/100'$ build rates to 45 to 60 feet or until the MWD tools have cleared the casing and are providing accurate readings.
25. Pull gyro tool and continue to drill with directional equipment to land in the G1 Lime formation at a TVD of $\pm 6,728'$ TVD, $\pm 7012'$ MD.
26. Drill $\pm 3,116'$ of lateral in the G1 Lime with a 1.2° apparent up dip angle.
 - a. Mud system to be a KCl weighted water based mud, weights are expected to be in the 8.6 – 9.4 ppg range.
27. Circulate and condition hole, TOOH, LD 3,800' of drill pipe.
 - a. PU 3,116' of 3 1/2" flush slotted liner, 761' of blank liner and liner dropping tool.
 - b. RIH w/ liner and dropping tool, drop liner at 6,252', just outside window.
 - c. TOOH laying down remainder of the drill pipe.
28. RIH and set CBP @ $\pm 4,500'$ to isolate lateral.
29. ND BOP's.
30. RDMOL.

Brennan 12 Re-Entry Horizontal Well



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:

<u>Formation</u>	<u>Depth, TVD</u>	<u>Depth, MD</u>
Green River	3,346'	3,346'
Kick Off Point	6,251'	6,251'
Green River (G1 Lime)	6,728'	7,012'
TD	6,657'	10,128'

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:

<u>Substance</u>	<u>Formation</u>	<u>Depth, TVD</u>	<u>Depth, MD</u>
Oil/Gas	Green River (G1 Lime)	6,728'	7,012' – 10,128'

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

As this well is a re-entry of an existing well the surface and production casing strings are already in place as detailed below.

Hole Size	Casing Size	Depth, MD	Weight	Grade
12 1/4"	8 5/8"	622'	24.0	K-55
7 7/8"	5 1/2"	7,125'	17.0	L-80

The lateral portion of this wellbore will be cased with a slotted liner.

Hole Size	Casing Size	Top, MD	Bottom, MD	Weight	Grade
4 3/4"	3 1/2" flush	6,251'	10,128'	9.3	J-55

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

5. 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

If drilling with air the following will be used:

- F. The blooie line shall be at least 6" in diameter and extend at least 100' from the wellbore into the reserve/blooie pit.
- G. Blooie line ignition shall be provided by a continuous pilot (ignited when drilling below 500')
- 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.

Drilling of the lateral will be done with fresh water KCl based mud systems consisting primarily of fresh water, bentonite, lignite, caustic, lime, soda ash, polymers, and KCl. 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 9.5 ppg.

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

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

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

6. 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 lateral 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.

7. **Cementing Program**

As this is a re-entry well and the newly drilled lateral will be cased off with a slotted liner dropped in the open hole there will be no cement required to drill this well. Please refer to the attached wellbore diagram for existing casing and cement conditions.

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 3,300 psi. Maximum anticipated bottom hole temperature is approximately 160°F.

DRILLING PROGRAM

SCHEMATIC DIAGRAM OF 3,000 PSI BOP STACK

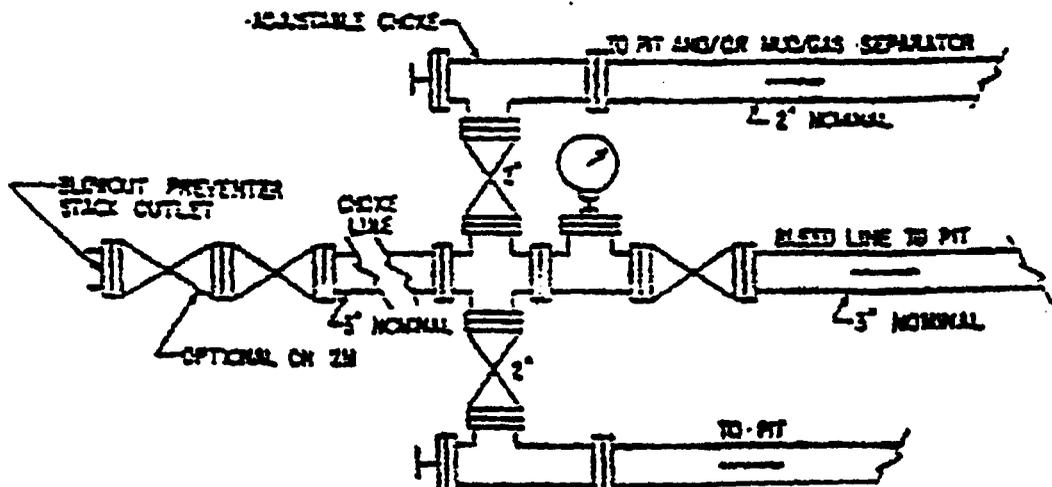
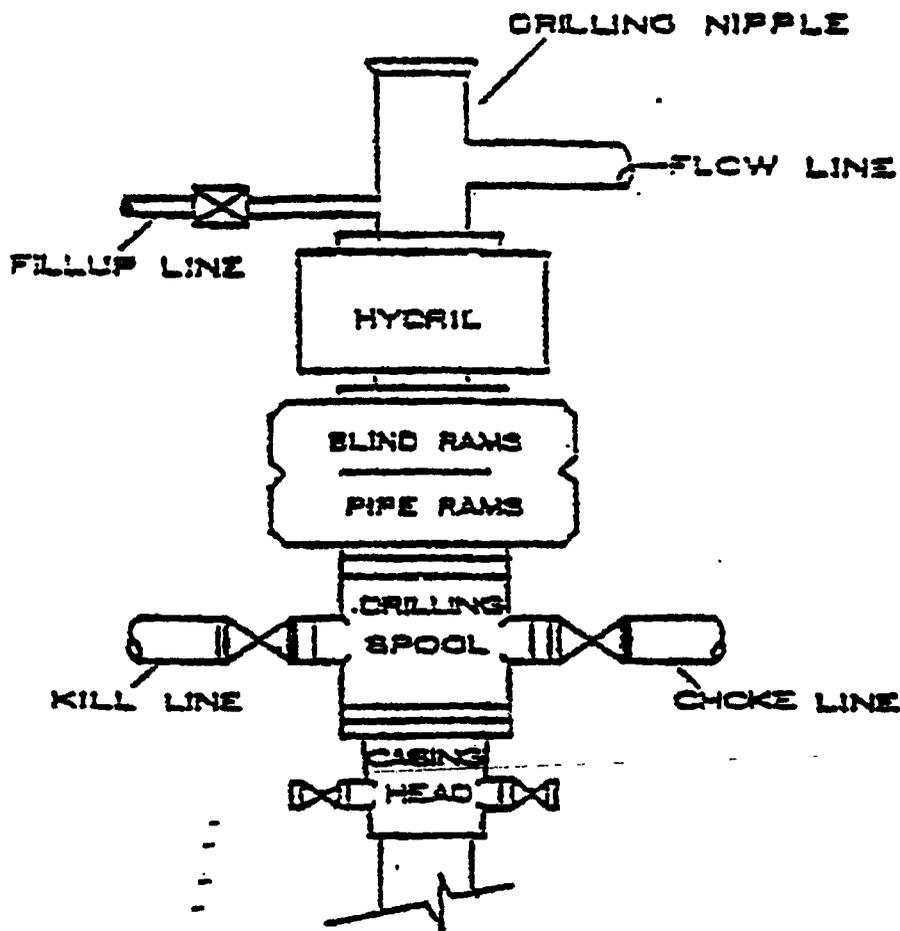
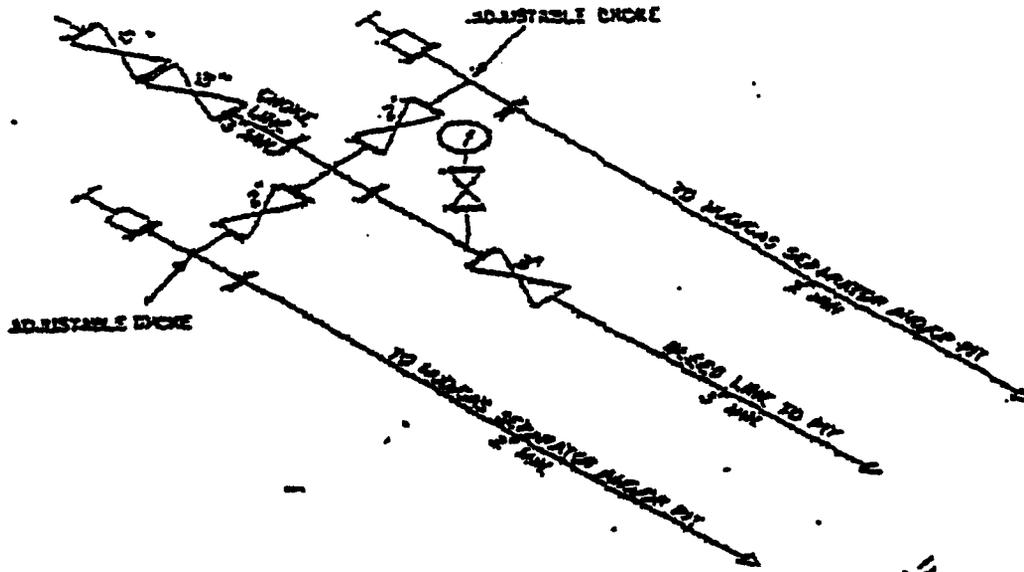


EXHIBIT A CONTINUED

46312 Federal Register / Vol. 23, No. 223 / Friday, November 18, 1958 / Rules and Regulations



② 3M CHOKES MANIFOLD EQUIPMENT — CONFIGURATION OF CHOKES MAY VARY

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
UTSL-071745

1a. Type of Well Oil Well Gas Well Dry Other
 b. Type of Completion: New Well Work Over Deepen Plug Back Diff. Resrv.
 Other: Re-Entry - Horizontal

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

2. Name of Operator
Questar Exploration & Production Co.

7. Unit or CA Agreement Name and No.
BRENNAN BOTTOM UNIT

3. Address 11002 East 17500 South - Vernal, UT 84078

3a. Phone No. (include area code)
(435)781-4342 - Dahn Caldwell

8. Lease Name and Well No.
BRENNAN #12

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

719' FNL, 2209' FEL, NWNE, SEC 18-T7S-R21E
At surface

10. Field and Pool or Exploratory
BRENNAN BOTTOM

At top prod. interval reported below

1733 fsl 340 fel

At total depth (BOTTOM) 1400' FSL, 450' FEL, NESE, SEC 18-T7S-R21E

per HSM review

11. Sec., T., R., M., on Block and Survey or Area
SEC 18-T7S-R21E

12. County or Parish
UINTAH

13. State
UT

14. Date Spudded
01/03/1997

15. Date T.D. Reached
05/24/2008

16. Date Completed 06/13/2008
 D & A Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
4826' KB

18. Total Depth: MD 9623'
TVD 6665'

19. Plug Back T.D.: MD ~~7973~~
TVD *Open hole*

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
NO CURRENT LOGS RUN IN THE VERTICAL HOLE

22. Was well cored? No Yes (Submit analysis)
 Was DST run? No Yes (Submit report)
 Directional Survey? No Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8"	24#		622'		440 sxs		Surf - Circ	
7-7/8"	5-1/2"	17#	1810'	7125'		565 sxs		1810'	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	6023'							

25. Producing Intervals

Formation	Top	Bottom	Perforation Interval	Size	No. Holes	Perf. Status
A) Green River G-1 Lime	7072'	9620'	Perf Liner - 7061' - 9620'	1/2"	4 spf	Open
B)						
C)						
D)						

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
Open Hole Lateral	Acidized w/ 25,000 gals of 15% HCL Acid

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
6/13/08	6/16/08	24	→	244	113	57			Pumping
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
	120	60	→					Producing	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

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OCT 30 2008

DIV. OF OIL, GAS & MINING

*(See instructions and spaces for additional data on page 2)

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28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production ➔	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate ➔	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production ➔	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate ➔	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

30. 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.

31. Formation (Log) Markers

Green River Formation Encountered G-1 Lime @ 7072' MD

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- Electrical/Mechanical Logs (1 full set req'd.)
 Geologic Report
 DST Report
 Directional Survey
 Sundry Notice for plugging and cement verification
 Core Analysis
 Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Jim Simonton Title Completion Supervisor
 Signature Jim Simonton (Signature) Date 10/23/2008

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

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Operations Summary Report - DRILLING & COMPLETION

Well Name: BRENNAN FED 12 (18-7S-21E)
 Location: 18- 7-S 21-E 26
 Rig Name: ENSIGN

Spud Date: 1/3/1997
 Rig Release: 5/26/2008
 Rig Number: 57

Date	From - To	Hours	Code	Sub Code	Description of Operations
4/29/2008	06:00 - 18:00	12.00	LOC	4	RIG DOWN RIG FLOOR, LAY DERRICK OVER, UNSTRING DERRICK,
	18:00 - 06:00	12.00	LOC	4	RIG DOWN CHOKE, PITS, BACK YARD
4/30/2008	06:00 - 18:00	12.00	LOC	4	MO ENSIGN 72, SET UP CAMPS ON BRENNAN 12, MOVE RESERVE PIT WATER FROM BRENNAN 14
	18:00 - 06:00	12.00	LOC	4	WAIT ON DAYLIGHTS
5/1/2008	06:00 - 18:00	12.00	LOC	3	MO ENSIGN 72, SET UP CAMPS ON BRENNAN 12, MOVE RESERVE PIT WATER FROM BRENNAN 14
	18:00 - 06:00	12.00	LOC	3	WAIT ON DAYLIGHTS
5/2/2008	06:00 - 18:00	12.00	LOC	3	75% SET UP CAMPS/OFFICE ON BRENNAN 12, NO MORE CLEAN RESERVE PIT WATER FROM BRENNAN 14 COULD BE MOVED, WAIT ON ENSIGN 57
	18:00 - 06:00	12.00	LOC	3	WAIT ON DAYLIGHTS
5/3/2008	06:00 - 18:00	12.00	LOC	3	RIG 100% RIGGED DOWN, 50% MOVED, 0% RIGGED UP, CAMPS/OFFICE 90% SET UP ON BRENNAN 12, 17 TRUCKS TODAY
	18:00 - 06:00	12.00	LOC	3	WAIT ON DAYLIGHTS
5/4/2008	06:00 - 18:00	12.00	LOC	3	100% MOVED, 10% RIGGED UP, WAITING ON DAYLIGHTS
	18:00 - 06:00	12.00	LOC	3	WAIT ON DAYLIGHTS
5/5/2008	06:00 - 18:00	12.00	LOC	4	100% RIG MOVE , 80% RIG SET IN PLACE, 30% RIGGED UP - FROGGED SUB, SET IN AND RU BACK YARD, TRENCHED IN, WELD AND INSPECT BELLYBOARD AND PAD EYES ON DERRICK FOR BELLY BOARD. WELD AND INSPECT PAD EYES ON CROWN SECTION AND SUB FOR POWER SWIVEL, PIN DERRICK IN MID SECTION AND PREPARE FOR LIFT IN MORNING, UNSTRING AND INSPECT DERRICK LINES, UNLOAD RENTAL STACK AND BREAK BOLTS ON 7-1/16" 3M CASING HEAD FLANGE.
	18:00 - 06:00	12.00	LOC	4	WAIT ON DAYLIGHTS
5/6/2008	06:00 - 18:00	12.00	LOC	4	100% RIG MOVE, 60% RIGGED UP - RU BACK YARD, RAISE DERRICK, STRING BLOCK AND UNSTRING DERRICK LINES, UNLOAD RENTAL DRILL PIPE, HWDP.
	18:00 - 06:00	12.00	LOC	4	WAIT ON DAYLIGHTS
5/7/2008	06:00 - 15:00	9.00	LOC	4	FINISH GENERAL RIG UP
	15:00 - 03:00	12.00	BOP	1	NIPPLE UP 7 1/16" 3-M B.O.P
	03:00 - 06:00	3.00	BOP	2	TEST B.O.P WITH B & C QUICK TEST (TEST PIPE RAMS AND ALL CHOKE MANIFOLD AND KILL LINE VALVES TO 250 PSI LOW AND 3000 PSI HIGH, ANNULAR TO 250 LOW AND 1500 PSI HIGH, STAND PIPE TO CHOKES 2000 PSI)
5/8/2008	06:00 - 10:00	4.00	BOP	2	TEST BOP/PIPE RAMS, CKOKE LINES, CHOLE MANIFOLD, UPPER KELLY COCK, INSIDE BOP, & FLOOR VALVE 250 PSI LOW 3000 HIGH FOR 10 MIN/TEST / HYDRIL 250 LOW 1500 HIGH FOR 10 MIN/TEST
	10:00 - 12:30	2.50	OTH		PEPLACE ROTATING RING, SWITCH TONGS, & RUN PUMPS TO CLEAR LINES
	12:30 - 13:30	1.00	RIG	7	CONDUCT SAFETY MEETING WITH WEATHERFORD (RIG UP LAYDOWN MACHINE)
	13:30 - 16:00	2.50	TRP	1	PICK UP 45 JTS SPIRAL H W D P
	16:00 - 16:30	0.50	TRP	2	TRIP OUT
	16:30 - 19:30	3.00	SEQ	1	RIG UP POWER SWIVEL & FUNCTION TEST IT
	19:30 - 05:30	10.00	TRP	5	MAKE UP BIT & CASING SCAPER & 15 JTS DRILL PIPE & TRIP IN 45 JTS HWDP & 154 JTS DRILL PIPE TO 6257' FILLING PIPE & BREAK CIRC EVERY 30 JTS
	05:30 - 06:00	0.50	CIRC	1	CIRCULATE & CONDITION MUD / RIG DOWN WEATHERFORD LAY DOWN MACHINE
5/9/2008	06:00 - 06:30	0.50	CIRC	1	CIRCULATE & CLEAN HOLE OUT
	06:30 - 08:30	2.00	TRP	14	SHORT TRIP OUT TO 4700' & BACK IN TO @ 6,257 (NO PROBLEMS)
	08:30 - 11:00	2.50	CIRC	1	CIRCULATE & TRANSFER 230BBLS FROM PRE-MIX
	11:00 - 16:00	5.00	TRP	2	PUMP HIGH VIS SWEEP & TRIP OUT F/ WHIP STOCK
	16:00 - 17:00	1.00	TRP	2	CONDUCTY SAFETY MEETING & PICK UP WHIP STOCK TOOLS
	17:00 - 17:30	0.50	RIG	1	RIG SERVICE & FUNCTION PIPE RAMS

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Operations Summary Report

Well Name: BRENNAN FED 12 (18-7S-21E)
 Location: 18-7-S 21-E 26
 Rig Name: ENSIGN

Spud Date: 1/3/1997
 Rig Release: 5/26/2008
 Rig Number: 57

Date	From - To	Hours	Code	Sub Code	Description of Operations
5/9/2008	17:30 - 18:00	0.50	RIG	2	REPAIR PIPE SPINNERS (REPLACE CHAIN)
	18:00 - 23:00	5.00	TRP	2	TRIP IN HOLE WITH WHIP STOCK TOOLS
	23:00 - 01:00	2.00	SUR	1	HELD MEETING WITH WIRE LINE PEOPLE & RIG UP TO ORIENT WHIP STOCK
	01:00 - 02:00	1.00	DRL	3	ORIENTATE WHIP STOCK TO 151 DEGREE AZI. STRING WT. FREE 90K SET 25 TO SHEAR
	02:00 - 02:30	0.50	SUR	1	TRIP OUT WIRER LINE & RIG DOWN EQUIPMENT
	02:30 - 04:00	1.50	SEQ	1	RIG UP POWER SWIVEL & SET ROTATING HEAD RUBBER / MUD UP & WT. PIT SYSTEM
	04:00 - 05:00	1.00	OTH		WHIP STOCK FAILURE / ANCHORS DID NOT ENGAGE FULLY & WAS NOT ABLE TO SHEAR SHEAR PIN
	05:00 - 06:00	1.00	TRP	13	TRIP OUT OF HOLE W/ WHIP STOCK / SHEARED SHEAR PIN @ 6222' / T.O.O.H W/ TRI-MILL
5/10/2008	06:00 - 07:30	1.50	SEQ	1	SET BACK SWIVEL
	07:30 - 10:30	3.00	TRP	3	FUNCTION CROWN-O-MATIC & TRIP OUT
	10:30 - 11:00	0.50	RIG	1	RIG SERVICE
	11:00 - 17:30	6.50	WOT	4	WAIT ON RETRIEVEL WHIP STOCK TOOLS
	17:30 - 18:00	0.50	FISH	5	PICK UP RETRIEVEL WHIP STOCK TOOLS
	18:00 - 21:30	3.50	TRP	3	TRIP IN THE HOLE TO 6222'
	21:30 - 22:00	0.50	SEQ	1	PICK UP SWIVEL
	22:00 - 22:30	0.50	FISH	6	ATTEMPT TO RETRIEVE WHIP STOCK (LATCH ON & CHASE IT BACK TO 6257' & JARRED ONCE @ 6222
	22:30 - 02:30	4.00	TRP	2	TRIP OUT SLOW WITH RETIEVAL TOOLS (NO RETRIEVEL)
	02:30 - 03:30	1.00	FISH	5	LAY DOWN RETIEVAL TOOLS
5/11/2008	03:30 - 04:00	0.50	BOP	2	PRESSURE TEST CASING @ 300 PSI FOR 15 MINUTES
	04:00 - 06:00	2.00	TRP	3	PICK UP BIT & CASING SCAPER & TRIP IN
	06:00 - 08:00	2.00	TRP	2	TRIP IN (CHECK CROWN-O-MATIC)
	08:00 - 10:00	2.00	CIRC	1	CIRCULATE & CONDITION HOLE @ 6241
	10:00 - 13:00	3.00	TRP	2	PUMP HIGH VIS SWEEP & TRIP OUT
	13:00 - 13:30	0.50	RIG	1	RIG SERVICE
	13:30 - 17:30	4.00	TRP	1	HELD SAFETY MEETING & PICK UP WHIPSTOCK &
	17:30 - 20:30	3.00	TRP	2	TRIP IN WITH WHIP STOCK
	20:30 - 22:00	1.50	LOG	2	RIG UP WIRE LINE & RUN GAMMA LOG
	22:00 - 23:00	1.00	LOG	2	RUN GYRO
	23:00 - 23:30	0.50	DRL	3	ORIENT TOOL FACE ON WHIPSTOCK @ 152-153 AZMA
	23:30 - 00:00	0.50	LOG	2	PULL GAMA LOG & RIG DOWN LOGGING TRUCK
	00:00 - 01:00	1.00	DRL	3	RIG UP QUICK TESTER TO SET SLIPS WOULDNT WORK USED RIG PUMP @ 2900 PSI
	01:00 - 02:00	1.00	DRL	3	SET WHIPSTOCK @ 6230 WITH 2900 PSI & 25 K OVER SHEAR PIN STRING WT 80K (WINDOW TOP 6218 & BOTTOM 6224)
5/12/2008	02:00 - 04:00	2.00	DRL	2	CUT WINDOW & 3' FORMATION F / 6218 TO 6227 (6' WIDOW & 3' FORMATION)
	04:00 - 05:00	1.00	CIRC	1	CIRCULATE & CONDITION WINDOW & PUMP HIGH VIS SWEEP
	05:00 - 05:30	0.50	SEQ	1	RIG DOWN & SET BACK POWER SWIVEL
	05:30 - 06:00	0.50	TRP	2	TRIP OUT F/ MILL # 2
	06:00 - 09:00	3.00	TRP	2	TRIP OUT OF HOLE
	09:00 - 09:30	0.50	TRP	2	CHANGE OUT MILLS
	09:30 - 12:30	3.00	TRP	2	TRIP IN THE HOLE
	12:30 - 13:30	1.00	SEQ	1	RIG UP POWER SWIVEL
	13:30 - 15:00	1.50	FISH	1	MILL ON WINDOW WITH SECOND MILL F/ TOP@6,211 TO BOTTOM@6,224 & 10' NEW FORMATION
	15:00 - 15:30	0.50	SEQ	1	RIG DOWN POWER SWIVEL
15:30 - 18:00	2.50	TRP	2	TRIP OUT WITH SECOND MILL	
18:00 - 18:30	0.50	TRP	1	LAY DOWN MILL & WHIPSTOCK TOOLS	

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Operations Summary Report

Well Name: BRENNAN FED 12 (18-7S-21E)
 Location: 18-7-S 21-E 26
 Rig Name: ENSIGN

Spud Date: 1/3/1997
 Rig Release: 5/26/2008
 Rig Number: 57

Date	From - To	Hours	Code	Sub Code	Description of Operations
5/12/2008	18:30 - 20:30	2.00	DRL	3	PICK UP DIRECTIONAL TOOLS
	20:30 - 22:00	1.50	DRL	3	PICK UP MWD TOOLS & ORIENT MOTOR
	22:00 - 01:00	3.00	TRP	2	TRIP IN & FILL PIPE EVERY 10 JTS
	01:00 - 02:00	1.00	SEQ	1	RIG UP POWER SWIVEL
	02:00 - 03:00	1.00	LOG	2	RIG UP WIRE LINE & RUN IN WITH GYRO
	03:00 - 03:30	0.50	DRL	3	ORIENT TOOL FACE
5/13/2008	03:30 - 06:00	2.50	DRL	2	TIME DRILL
	06:00 - 07:30	1.50	DRL	2	DRILL (SLIDE 6,240 - 6,248)
	07:30 - 08:00	0.50	DRL	3	REMOVE WIRE LINE LOGS -GYRO
	08:00 - 08:30	0.50	SEQ	1	RIG UP SWIVEL JOINT
	08:30 - 09:00	0.50	DRL	3	RUN LOGS - GYRO
	09:00 - 12:00	3.00	DRL	2	DRILL (SLIDE 6,248 - 6,302)
	12:00 - 13:00	1.00	DRL	3	RUN LOGS - GYRO
	13:00 - 16:00	3.00	DRL	2	DRILL (SLIDE 6,302 - 6,335)
	16:00 - 16:30	0.50	CIRC	1	CIRCULATE
	16:30 - 17:30	1.00	DRL	3	RUN LOGS - GYRO
	17:30 - 18:00	0.50	RIG	1	RIG SERVICE
	18:00 - 19:30	1.50	DRL	4	RUN LOGS - GYRO & RIG DOWN LOGGERS
	19:30 - 00:30	5.00	DRL	2	DRILL (SLIDE 6,365 - 6,428 ROTATE 6,428 - 6,443)
	00:30 - 01:30	1.00	DRL	3	ORIENT TOOL FACE & CHECK SHOT(THOUGHT THERE WAS MAGNETIC INTERFERENCE WITH MWD TOOL
5/14/2008	01:30 - 06:00	4.50	DRL	2	DRILL (SLIDE 6,443 - 6,460/ ROTATE 6,460 - 6,475
	06:00 - 08:00	2.00	DRL	2	DRILL (SLIDE 6,491-6,506)
	08:00 - 09:30	1.50	DRL	3	MWD CALIBRATION
	09:30 - 12:30	3.00	DRL	2	DRILL (SLIDE 6,506-6,518 ROTATE 6,518-6,522 SLIDE 6,522-6,549 ROTATE 6,549-6,555
	12:30 - 13:00	0.50	RIG	1	RIG SERVICE & CHECK CROWN-O-MATIC
	13:00 - 02:00	13.00	DRL	2	DRILL (SLIDE 6,555-6,581 ROTATE 6,581-6,585 SLIDE 6,585-6,609 ROTATE 6,609-6,618 SLIDE 6,618-6,644 ROTATE 6,644-6,649 SLIDE 6,649-6,668 ROTATE 6,668-6,681 SLIDE 6,681-6,702)
	02:00 - 02:30	0.50	CIRC	1	CIRCULATE HIGH VIS SWEEP
	02:30 - 03:00	0.50	SEQ	1	SET BACK POWER SWIVEL
	03:00 - 06:00	3.00	TRP	10	TRIP OUT F/ BIT // % ROTARY 15.17 - 16.67 // % SLIDING - 84.83 - 83.33 // REVALUTIONS ON BIT - 283050
	5/15/2008	06:00 - 08:30	2.50	TRP	10
08:30 - 13:00		4.50	TRP	2	PICK UP MOTOR & SHORT MONEL & INSTALL MWD TOOL & PUT 18 STDS DRILL PIPE ON BOTTOM & RUN IN 45 JTS HWDP
13:00 - 16:30		3.50	TRP	2	STRAP & PICK UP 40 MORE JOINTS HWDP
16:30 - 19:00		2.50	TRP	2	TRIP IN
19:00 - 19:30		0.50	SEQ	1	RIG UP POWER SWIVEL
19:30 - 20:00		0.50	REAM	1	WASH & REAM 60' TO BOTOM
20:00 - 06:00		10.00	DRL	2	DRILL (ROTATE F/ 6,702-6,792 SLIDE F/ 6,792-6825 // % ROTATING 84.11-87.16 / % SLIDING 15.89-12.84 // BIT REVALUTIONS 117,944
5/16/2008	06:00 - 12:30	6.50	DRL	2	DRILL (SLIDE F/ 6,825 TO 6,904)
	12:30 - 13:00	0.50	RIG	1	RIG SERVICE (FUNCTION CROWN-O-MATIC & HYDRILL)
	13:00 - 06:00	17.00	DRL	2	DRILL (SLIDE 6,904 TO 6,930-ROTATE 6,930 TO 6,935-SLIDE 6,935TO6,962-ROTATE 6,962 TO 6,967 SLIDE 6,967 TO 6,986-ROTATE 6,986 TO 6,998-SLIDE 6,998 TO 7,016-ROTATE 7,016 TO 7,030 SLIDE 7,030 TO 7,045-ROTATE 7,045 TO 7,061
	06:00 -				REV. FOR BIT #3 = 512,479 // % ROTATING = 24.88 - 25.30 / % SLIDING = 75.12 - 74.70
	06:00 - 11:30	5.50	DRL	2	DRILL (SLIDE 7,061-7,089 ROTATE 7,089-7,093 SLIDE 7,093-7,104 ROTATE 7,104-7,125)

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Operations Summary Report

Well Name: BRENNAN FED 12 (18-7S-21E)
 Location: 18-7-S 21-E 26
 Rig Name: ENSIGN

Spud Date: 1/3/1997
 Rig Release: 5/26/2008
 Rig Number: 57

Date	From - To	Hours	Code	Sub Code	Description of Operations
5/17/2008	11:30 - 12:30	1.00	CIRC	1	CIRCULATE BTMS UP
	12:30 - 18:30	6.00	TRP	2	SET SWIVEL BACK & TRIP OUT & (FUNCTION CROWN-O-MATIC)
	18:30 - 19:00	0.50	DRL	3	PULL OUT MWD TOOL & CHANGE OUT MOTOR & BIT
	19:00 - 20:30	1.50	DRL	3	ORIENT NEW MOTOR & PICK UP MWD TOOL
	20:30 - 21:00	0.50	RIG	1	RIG SERVICE
	21:00 - 00:30	3.50	TRP	2	TRIP IN & FILL PIPE EVERY THREE ROWS @ TAG BRIDGE 6,350
	00:30 - 03:30	3.00	REAM	1	RIG UP KELLY HOSE & WASH F/ 6,350 TO 6,528
	03:30 - 04:30	1.00	SEQ	1	RIG UP POWER SWIVEL
5/18/2008	04:30 - 06:00	1.50	REAM	1	WASH & REAM F/ 6,528 TO 6745'
	06:00 - 07:30	1.50	REAM	1	WASH & REAM F/ 6,745 TO 7,124
	07:30 - 12:00	4.50	DRL	2	DRILL (ROTATE 7,124 TO 7,250)
	12:00 - 12:30	0.50	RIG	1	RIG SERVICE
5/19/2008	12:30 - 18:30	6.00	DRL	2	DRILL (SLIDE 7,250 TO 7,253 - ROTATE 7,253 TO 7,408)
	18:30 - 20:00	1.50	FISH	6	WORK TIGHT SPOT 7,408 TO 7,377 (PUMP HIGH VIS SWEEP)
	20:00 - 06:00	10.00	DRL	2	DRILL (ROTATE 7,408 TO 7629)
	06:00 - 06:30	0.50	DRL	2	DRILL (ROTATE 7,629 TO 7,660)
	06:30 - 08:00	1.50	CIRC	1	CIRCULATE SWEEP OUT FOR SHORT TRIP
	08:00 - 09:00	1.00	TRP	14	SET POWER SWIVEL BACK & SHORT TRIP OUT 6 STANDS & (FUNCTION CROWN-O-MATIC)
	09:00 - 09:30	0.50	REAM	1	PICK UP POWER SWIVEL & REAM 30' TO BTM.
	09:30 - 16:00	6.50	DRL	2	DRILL (SLIDE 7,660 TO 7,670 ROTATE 7,670 TO 7,723 SLIDE 7,723 TO 7,738 ROTATE 7,738 TO 7,775)
	16:00 - 16:30	0.50	RIG	1	RIG SERVICE
	16:30 - 06:00	13.50	DRL	2	DRILL (ROTATE 7,775 TO 7,818 SLIDE 7,818 TO 7,833 ROTATE 7,833 TO 7,913 SLIDE 7,913 TO 7,927 ROTATE 7,927 TO 8,071) (PERCENT ROTARY-94.10-79.03 // PERCENT SLIDE 5.90-20.97)
5/20/2008	06:00 - 10:00	4.00	DRL	2	DRILL (ROTATE 8,060 TO 8,166
	10:00 - 10:30	0.50	CIRC	1	CIRCULATE HIGH VIS SWEEP OUT
	10:30 - 11:00	0.50	SEQ	1	SET POWER SWIVEL BACK
	11:00 - 12:30	1.50	TRP	14	SHORT TRIP STANDS
	12:30 - 16:30	4.00	DRL	2	DRILL (ROTATE 8,166 - 8,197 SLIDE 8,197 - 8,200 ROTATE 8,200 - 8,229 SLIDE 8,229 - 8,234 ROTATE 8,234 - 8,260)
	16:30 - 17:00	0.50	RIG	1	RIG SERVICE
	17:00 - 00:00	7.00	DRL	2	DRILL (ROTATE 8,260 - 8,324 SLIDE 8,324 - 8,327 ROTATE 8,327 - 8,450 SLIDE 8,450 - 8,452)
	00:00 - 00:30	0.50	CIRC	1	CIRCULATE HIGH VIS SWEEP
5/21/2008	00:30 - 01:30	1.00	DRL	2	WORK ON PUMPS (AIRED UP)
	01:30 - 06:00	4.50	DRL	2	DRILL (SLIDE 8,452 - 8,458 ROTATE 8,458 - 8,500)
	06:00 - 12:00	6.00	DRL	1	ROTATING F/ (8500' TO 8551') / SLIDING F/ (8551' TO 8556') / ROTATING F/ (8556' TO 8640')
	12:00 - 13:30	1.50	CIRC	1	CIRCULATE SWEEP BACK TO SURFACE
	13:30 - 14:00	0.50	SEQ	1	SET BACK POWER SWIVEL
	14:00 - 19:00	5.00	TRP	2	TRIP OUT OF HOLE
	19:00 - 21:00	2.00	DRL	3	CHANGE OUT MOTORS & MWD TOOL & ORIENT TOOL
	21:00 - 00:30	3.50	TRP	2	TRIP IN TO @ 6,150
	00:30 - 01:00	0.50	RIG	6	CUT DRILL LINE
	01:00 - 01:30	0.50	RIG	1	RIG SERVICE
5/22/2008	01:30 - 03:30	2.00	TRP	3	FINISH TRIP IN & FILL PIPE EVERY 30 STANDS (DRAG PUSHING 10,000 TO 40,000)
	03:30 - 04:00	0.50	SEQ	1	PICK UP POWER SWIVEL
	04:00 - 05:00	1.00	REAM	1	WASH & REAM F/ 8,530 TO 8,640
	05:00 - 06:00	1.00	DRL	1	ORIENT TOOL FACE FOR SLIDING
	06:00 - 14:30	8.50	DRL	2	SLIDE FROM 8640 TO 8644 FEET ROTATE FROM 8644 FEET TO 8831 FEET

CONFIDENTIAL

Operations Summary Report

Well Name: BRENNAN FED 12 (18-7S-21E)
 Location: 18-7-S 21-E 26
 Rig Name: ENSIGN

Spud Date: 1/3/1997
 Rig Release: 5/26/2008
 Rig Number: 57

Date	From - To	Hours	Code	Sub Code	Description of Operations
5/22/2008	14:30 - 15:00	0.50	RIG	1	RIG SERVICE AND FUNCTION PIPE RAMS
	15:00 - 22:00	7.00	DRL	2	ROTATE DRILL FROM 8831 FEET TO 8988 FEET
	22:00 - 22:30	0.50	DRL	2	SLIDE DRILL FROM 8988 FEET TO 8991 FEET
	22:30 - 03:30	5.00	DRL	2	ROTATE DRILL FROM 8991 FEET TO 9084 FEET
	03:30 - 05:00	1.50	TRP	14	STAND BACK POWER SWIVEL AND SHORT TRIP 6 STANDS OF DRILL PIPE 567 FEET PICK UP POWER SWIVEL
5/23/2008	05:00 - 06:00	1.00	CIRC	1	BREAK CIRC AND PUMP HIGH VIS SWEEP TO SURFACE
	06:00 - 14:00	8.00	DRL	2	DIRECTIONAL DRILL ROTATE FROM 9083 FEET TO 9088 FEET SLIDE FROM 9088 TO 9092 ROTATE FROM 9092 TO 9146 FEET SLIDE FROM 9146 TO 9115 FEET ROTATE FROM 9115 TO 9193 CHECK SHOT AND ROTATE FROM 9193 FEET TO 9209
5/24/2008	14:00 - 14:30	0.50	RIG	1	RIG SERVICE AND FUNCTION PIPE RAMS
	14:30 - 18:00	3.50	DRL	2	DIRECTIONAL DRILL FROM 9209 FEET TO 9218 FEET SLIDE FROM 9218 FEET TO 9223 FEET
	18:00 - 20:00	2.00	DRL	2	SLIDE FROM 9223 TO 9224
	20:00 - 21:00	1.00	DRL	2	ROTATE FROM 9224 TO 9239 FEET TOTAL ROTATE FOOTAGE= 141 FEET, TOTAL SLIDE FOOTAGE = 15 FEET
	21:00 - 22:00	1.00	RIG	2	RIG DOWN POWER SWIVEL BROKE TORQUE ARM OFF DRILLERS SIDE
	22:00 - 01:00	3.00	TRP	14	TRIP OUT TO THE WINDOW @ 6211 FEET CIRC HOLE EVERY 1/2 HOUR FOR 15 MINUTES
	01:00 - 03:00	2.00	RIG	2	WAIT ON POWER SWIVEL REPLACEMENT
	03:00 - 04:30	1.50	RIG	2	RIG UP NEW POWER SWIVEL AND TEST SWIVEL (O.K.)
	04:30 - 06:00	1.50	TRP	14	TRIP IN THE HOLE TO DIRECTIONAL DRILL
	06:00 - 07:00	1.00	SEQ	1	PICK UP POWER SWIVEL AND TOUQUE UP SUBS AND INSTALL TORQUE ARMS
5/24/2008	07:00 - 08:30	1.50	REAM	1	WASH AND REAM 60 FEET TO BOTTOM
	08:30 - 13:00	4.50	REAM	1	ROTATE DRILL FROM 9239 FEET TO 9367 FEET (128')
	13:00 - 13:30	0.50	RIG	1	RIG SERVICE AND FUNCTION PIPE RAMS
	13:30 - 15:30	2.00	DRL	2	ROTATE FROM 9367 FEET TO 9457 FEET (90')
	15:30 - 21:30	6.00	DRL	2	SLIDE DRILL FROM 9457 FEET TO 9463 FEET (6')
	21:30 - 00:00	2.50	DRL	2	ROTATE DRILL FROM 9463 FEET TO 9527 FEET (64')
	00:00 - 06:00	6.00	DRL	2	ORIENT TOOL FACE AND SLIDE DRILL FROM 9527 FEET TO 9533 FEET (6'), PUMP HIGH VISC SWEEPS, INCREASE STROKES TO 75 TO HELP STALLING MM, MAINTAIN SSP <2500
	5/25/2008	06:00 - 11:00	5.00	DRL	2
11:00 - 14:30		3.50	DRL	2	ROTATE DRILL FROM 9545 FEET TO 9623 FEET (78' - T.D.)
14:30 - 15:30		1.00	CIRC	1	PUMP A HIGH VIS SWEEP TO SURFACE
15:30 - 16:00		0.50	SEQ	1	STAND BACK THE POWER SWIVEL
16:00 - 18:30		2.50	TRP	14	SHORT TRIP FROM 9623 FEET TO 6185 FEET
18:30 - 20:30		2.00	TRP	14	TRIP IN THE HOLE TO 9623
20:30 - 22:30		2.00	CIRC	1	PUMP 2 HIGH VIS SWEEPS TO SURFACE
22:30 - 01:00		2.50	TRP	2	TRIP OUT FOR THE 3.5" LINER
01:00 - 02:30		1.50	SEQ	1	RIG DOWN AND LOAD OUT THE POWER SWIVEL
02:30 - 06:00	3.50	TRP	2	TRIP OUT OF THE HOLE STAND HWDP ON THE DRILLERS SIDE AND THE DRILL PIPE ON THE OFF SIDE (S.L.M.) THE DRILL PIPE	
5/26/2008	06:00 - 06:30	0.50	TRP	2	TRIP OUT OF THE HOLE STAND HWDP ON THE DRILLERS SIDE AND THE DRILL PIPE ON THE OFF SIDE (S.L.M.) THE DRILL PIPE
	06:30 - 08:30	2.00	TRP	1	LAY DOWN THE DIRECTIONAL TOOLS
	08:30 - 10:00	1.50	CSG	1	HOLD PREJOB SAFETY MEETING AND RIG UP CASING CREWS AND LAY DOWN MACHINE
	10:00 - 14:30	4.50	CSG	2	PICK UP AND RUN 3 1/2" CASING (NOTE RUN 80 JOINTS OF 3 1/2" 9.2 # P-110 PERFATED CASING AND 30 JOINTS OF 3 1/2" 9.2 # P-110 BLANK CASING QAND PICK UP THE LINNER HANGING TOOL)

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Operations Summary Report

Well Name: BRENNAN FED 12 (18-7S-21E)
 Location: 18-7-S 21-E 26
 Rig Name: ENSIGN

Spud Date: 1/3/1997
 Rig Release: 5/26/2008
 Rig Number: 57

Date	From - To	Hours	Code	Sub Code	Description of Operations
5/26/2008	14:30 - 16:00	1.50	CSG	1	RIG DOWN THE CASING CREWS
	16:00 - 20:00	4.00	TRP	2	TRIP IN THE HOLE WITH THE LINNER AND DRILL PIPE(SLOW APPROX. 2 MINUTES PER STAND) LAND LINNER @ 9620 FEET WITH 3' OF FILL ON BOTTOM LINNER TOP IS AT 6084 FEET
	20:00 - 21:00	1.00	TRP	2	TRIP OUT 5 STANDS OF DRILL PIPE PUMP A TRIP SLUG OF 10.2 PPG HOLD A PRE JOB SAFETY MEETING AND RIG UP THE LAY DOWN MACHINE
	21:00 - 01:00	4.00	TRP	3	LAY DOWN THE DRILL PIPE
	01:00 - 02:30	1.50	TRP	1	TRIP IN THE HOLE WITH THE EXTRA STANDS OF DRILL PIPE AND LAY THEM DOWN
5/27/2008	02:30 - 06:00	3.50	TRP	1	TRIP IN THE HOLE WITH HWDP AND LAY IT DOWN
	06:00 - 07:00	1.00	TRP	1	TRIP OUT OF HOLE WITH HWDP AND LAY IT DOWN
	07:00 - 08:00	1.00	RIG	7	HELD SAFETY MEETING W/ CASED HOLE WIRELINE CREW
	08:00 - 10:30	2.50	LOG	4	RUN WL JUNK BASKET, 4.65" GAUGE RING, SET EVI OIL TOOLS "CE" RETRIEVABLE BRIDGE PLUG @ 5600'
	10:30 - 15:00	4.50	BOP	1	NIPPLE DOWN BOP, CLEAN PITS AND LOAD OUT 2-7/8" DP & HWDP --- RELEASE RIG @ 15:00
	15:00 - 16:00	1.00	LUN	1	ATE LUNCH
	16:00 - 06:00	14.00	LOC	4	RIG DOWN TABLE, LD DERRICK @18:00, GENERAL RIG DOWN, TRUCKS COMING @07:00

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Operations Summary Report

Well Name: BRENNAN FED 12 (18-7S-21E)
 Location: 18- 7-S 21-E 26
 Rig Name:

Spud Date: 1/3/1997
 Rig Release:
 Rig Number:

Date	From - To	Hours	Code	Sub Code	Description of Operations
6/3/2008	06:00 - 16:00	10.00	BOP	1	<p>"TIGHT HOLE" Completion Horizontal Wellbore On 5/29/08 MIRU Rocky Mtn WS. On 5/30/08 no activity. On 6/2/08 NDWH and NU BOP's. Tally and rabbit in the hole with retrieving head and 187 jts.of 2-7/8" 6.5# yellow band tbg to 5250'. Circ out drilling mud at 5250' with 2% KCL water. SIFN.</p> <p>24 Hour Forecast: On 6/3/08 will attempt to latch onto and POOH with RBP and start to pick up 2-3/8" hydrill.</p> <p>CASING SIZE: 5-1/2" 17# L-80 at 7125' CASING DEPTH: 7125'</p> <p>Perfs: OH lateral from 6218' to 9623' with a 3-1/2" 9.3# P-110 somewhat perforated liner from 9620' to 6093'</p>
6/4/2008	06:00 - 16:00	10.00	TRP	2	<p>"TIGHT HOLE" Completion Horizontal Wellbore On 6/3/2008 - SITP and SICIP = 0#. Continue in the hole with ret head and 2-7/8" tbg to RBP at 5650'. Circ hole with 2% KCL water and latch onto RBP at 5860' and POOH with plug and tbg. NU 7"x5M#x2-3/8" single pipe ram on top of existing BOP stack. Tally and rabbit in the hole with 61 jts of 2-3/8" 4.7# L-80 CS/hydri tbg to 1850', SIFN.</p> <p>24 Hour Forecast: Will continue to pick up 2-3/8" hydril and 2-7/8" tbg.and attempt to go into 3-1/2" liner to PBTD.</p> <p>CASING SIZE: 5-1/2" 17# L-80 at 7125' CASING DEPTH: 7125'</p> <p>Perfs: OH lateral from 6218' to 9623' with a 3-1/2" 9.3# P-110 somewhat perforated liner from 9620' to 6093'</p>
6/5/2008	06:00 - 16:00	10.00	LOC	2	<p>"TIGHT HOLE" Completion Horizontal Wellbore On 6/4/08 SITP and SICIP = 0#. Continue to tally and rabbit in the hole with 2-3/8" hydril and 2-7/8" tbg to 9345'. No tag going into the liner but have 4000# pull over. Circ hole with 100 bbls of 2% KCL water circulating out water, trace of oil and gas. Have a total of 117 jts of 2-3/8" 4.7# L-80 hydril and 187 jts.of 2-7/8" EUE 9rd 6.5# J-55 tbg. Tbg.tall at 9345'.</p> <p>24 Hour Forecast: Scheduled to acidize.</p> <p>CASING SIZE: 5-1/2" 17# L-80 at 7125' CASING DEPTH: 7125'</p> <p>Perfs: OH lateral from 6218' to 9623' with a 3-1/2" 9.3# P-110 somewhat perforated liner from 9620' to 6093'</p>
6/6/2008	06:00 - 16:00	10.00	STIM	1	<p>"TIGHT HOLE" Completion Horizontal Wellbore - Costs are carried over from original prep work. On 6/5/08 SITP & SICIP = 0# with 2-3/8" tbg tail @ 9345'. MIRU Halliurton acid crew. Acidize the well in a total of 6 stages using 15% HCL acid with additives in all stages and circulating the acid to the end of the tbg and then bullheading the volume of acid into formation and displacing each acid stage to the end of the tbg with 2% KCL water</p>

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Operations Summary Report

Well Name: BRENNAN FED 12 (18-7S-21E)
 Location: 18- 7-S 21-E 26
 Rig Name:

Spud Date: 1/3/1997
 Rig Release:
 Rig Number:

Date	From - To	Hours	Code	Sub Code	Description of Operations
6/6/2008	06:00 - 16:00	10.00	STIM	1	<p>and 10# brine water. All stages were pumped at 5 BPM with an average circulating pressure of 2300# and an average bullhead pressure of 2450#. The stages are as follows: Stage #1: Tbg tail at 9345' and pumped 5000 gals of acid; Stage #2: Tbg tail at 8906' and pumped 5000 gals of acid; Stage #3: Tbg tail at 8563' and pumped 4000 gals of acid; Stage #4: Tbg tail at 8287' and pumped 4000 gals of acid; Stage #5: Tbg tail at 8007' and pumped 3000 gals of acid; Stage #6: Tbg tail at 7198' and pumped 4000 gals of acid. Pull tbg tail @ 5950' and SIFN. RDMO Halliburton . On AM of 6/6/08 SITP & SICP = vacuum.</p> <p>24 Hour Forecast: Will lay down all 2-7/8" yellow band tbg and all 2-3/8" hydril except 1500' which will stay in the well over the weekend for a circulating string. Total of 25000 gals of 15% HCL acid was used and a total load of 900 bbls today.</p> <p>LLTR: 1000 bbls</p> <p>CASING SIZE: 5-1/2" 17# L-80 at 7125' CASING DEPTH: 7125'</p> <p>Perfs: OH lateral from 6218' to 9623'</p>
6/9/2008	06:00 - 16:00	10.00	TRP	5	<p>"TIGHT HOLE" Completion Horizontal Wellbore - Costs are carried over from original prep work.</p> <p>On 6/6/08 SITP & SICP = 0#. POOH laying down 2-7/8" work string and lay down 67 jts of 2-3/8" hydril leaving 1500' of hydrill in the hole for circulating string. SDFW.</p> <p>24 Hour Forecast: Will finish laying down hydril tbg & RIH w/ new production tbg.</p> <p>LLTR: 1000 bbls</p> <p>CASING SIZE: 5-1/2" 17# L-80 at 7125' CASING DEPTH: 7125'</p> <p>Perfs: OH lateral from 6218' to 9623'</p>
6/10/2008	06:00 - 16:00	10.00	TRP	5	<p>"TIGHT HOLE" Completion Horizontal Wellbore - Costs are carried over from original prep work.</p> <p>On 6/9/08 SITP & SICP = 60#. Bled off well & finish POOH w/ 50 jts of 2-3/8" hydril tbg. ND 2-3/8" single BOP. Tally & rabbit in the hole with new 2-7/8" EUE 8rd J-55 6.5# tbg as follows: Barred NC; 1 jt; SN; B-2 AC; 190 jts of tbg to surface. ND BOP's. Set anchor catcher with 12M# tension at 5990' and SN @ 5991' and tbg tail @ 6023'. NU WH & SIFN.</p> <p>24 Hour Forecast: Will swab well.</p> <p>LLTR: 1000 bbls</p> <p>CASING SIZE: 5-1/2" 17# L-80 at 7125'</p>

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Operations Summary Report

Well Name: BRENNAN FED 12 (18-7S-21E)
 Location: 18-7-S 21-E 26
 Rig Name:

Spud Date: 1/3/1997
 Rig Release:
 Rig Number:

Date	From - To	Hours	Code	Sub Code	Description of Operations
6/10/2008	06:00 - 16:00	10.00	TRP	5	<p>CASING DEPTH: 7125'</p> <p>Perfs: OH lateral from 6218' to 9623' with a 3-1/2" 9.3# P-110 somewhat perforated liner from 9620' to 6093'</p> <p>Tbg Detail: Barred NC = 0.42'; 1 jt tbg = 31.40'; 2-7/8" SN = 1.10'; 5-1/2" B-2 Anchor catcher = 2.70'; 190 jts = 5972.71'; stretch = 1.0'; KB = 14'. Tbg Tail at 6023'; SN = 5991'; AC = 5990' with 12M# tension. All depths are KB depths. All tbg is new 2-7/8" EUE 8rd J-55 6.5#.</p>
6/11/2008	06:00 - 16:00	10.00	SWAB	1	<p>"TIGHT HOLE" Completion Horizontal Wellbore - Costs are carried over from original prep work.</p> <p>On 6/10/08 SITP = 30# & SICP = 60#. Bled off tbg with no fluid recovery. RU swab. IFL @ 700'. Make a total of 15 swab runs with FFL @ 1300' and recovered a total of 108 bbls of fluid. After recovering a total of 100 bbls of oil/water mix, the fluid turned to 100% oil with a final SICP of 40# and a hourly entry rate of 25 BPH. Final PH = 7. Had to shut down swabbing due to 100% oil cut and wind blowing too hard to keep from making a mess in the tank. SIFN.</p> <p>24 Hour Forecast: Will run rods and pump and rig down Rocky Mtn WS.</p> <p>LLTR: 892 bbls</p> <p>CASING SIZE: 5-1/2" 17# L-80 at 7125' CASING DEPTH: 7125'</p> <p>Perfs: OH lateral from 6218' to 9623' with a 3-1/2" 9.3# P-110 somewhat perforated liner from 9620' to 6093'</p> <p>Tbg Detail: Barred NC = 0.42'; 1 jt tbg = 31.40'; 2-7/8" SN = 1.10'; 5-1/2" B-2 Anchor catcher = 2.70'; 190 jts = 5972.71'; stretch = 1.0'; KB = 14'. Tbg Tail at 6023'; SN = 5991'; AC = 5990' with 12M# tension. All depths are KB depths. All tbg is new 2-7/8" EUE 8rd J-55 6.5#.</p>
6/12/2008	06:00 - 16:00	10.00	TRP	7	<p>"TIGHT HOLE" Completion Horizontal Wellbore - Costs are carried over from original prep work.</p> <p>On 6/11/08 SITP = 160# & SICP = 200#. RU hot oiler and flush tbg with 70 bbls of hot 2% KCL water with snake oil. Bucket test new pump -- OK. RIH w/ 2-1/2"x1-3/4" RHAC pump; 153 - 3/4" new grade "D" rods-plain; 85 7/8" new grade "D" rods; 1 - 8'; 2 - 6' amd 1 - 2x7/8" pony rods and a 1-1/2"x26" polish rod. Seat pump and fill tbg with 3 bbls of water and long stroke pump to 600# and held OK. Clamp off well and SIFN. Too windy to rig down. On 6/12/08 will RDMO Rocky Mounotian WS. Turn well over to production department.</p> <p>FINAL REPORT.</p> <p>LLTR: 965 bbls</p> <p>CASING SIZE: 5-1/2" 17# L-80 at 7125' CASING DEPTH: 7125' TD: 7125'</p>

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Operations Summary Report

Well Name: BRENNAN FED 12 (18-7S-21E)
 Location: 18- 7-S 21-E 26
 Rig Name:

Spud Date: 1/3/1997
 Rig Release:
 Rig Number:

Date	From - To	Hours	Code	Sub Code	Description of Operations
6/12/2008	06:00 - 16:00	10.00	TRP	7	<p>PBTD: 7073' NOTE: Has 3-1/2" 9.3# liner from 6093' to 9620'</p> <p>Perfs: OH lateral from 6218' to 9623' with a 3-1/2" 9.3# P-110 somewhat perforated liner from 9620' to 6093'</p> <p>Tbg Detail: Barred NC = 0.42'; 1 jt tbg = 31.40'; 2-7/8" SN = 1.10'; 5-1/2" B-2 Anchor catcher = 2.70'; 190 jts = 5972.71'; stretch = 1.0'; KB = 14'. Tbg Tail at 6023'; SN = 5991'; AC = 5990' with 12M# tension. All depths are KB depths. All tbg is new 2-7/8" EUE 8rd J-55 6.5#.</p> <p>Rod and Pump Detail: 2-1/2"x1-3/4"x16x19x21' RHAC. 153 - 3/4" plain new "D" rods; 85 - 7/8" plain "D" rods; 1 - 8x7/8" pony; 2 - 6x7/8" pony rods; 1 - 2x7/8" pony rod; 1-1/2" x 26' polish rod.</p>

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Deviation Summary

Well Name: BRENNAN FED 12 (18-7S-21E)										Location: 18- 7-S 21-E 26		S/T #	V.S. AZI (°)
TMD: 9,573.0 (ft)										TVD: 6,662.55 (ft)		OH	0.00
Closure Distance: 2,937.2 (ft)										Closure Direction: 149.62 (°)		01	151.40
										Spud Date: 1/3/1997			
										Calculation Method: Minimum Curvature			
S/T #	TMD (ft)	Angle (°)	Azimuth (°)	CTM	TVD (ft)	N/-S (ft)	E/-W (ft)	Vert. Section (ft)	DLS (°/100ft)	BUR (°/100ft)	Type		
01	6,220.0	0.94	170.47	YNN	6,224.00	-118.13	72.91	138.62	0.00	0.00	MWD		
OH	6,330.0	22.47	147.27	YNN	6,324.45	-136.93	84.56	160.70	0.00	0.00	MWD		
OH	6,362.0	28.23	149.80	YNN	6,353.36	-148.63	91.68	-148.63	18.31	18.00	MWD		
OH	6,393.0	33.00	154.66	YNN	6,380.03	-162.60	98.99	-162.60	17.32	15.39	MWD		
OH	6,425.0	37.69	152.76	YNN	6,406.13	-179.18	107.20	-179.18	15.05	14.66	MWD		
01	6,456.0	38.91	155.45	NYN	6,430.29	-197.75	113.71	228.06	6.66	3.94	MWD		
01	6,488.0	41.35	156.66	NYN	6,454.75	-216.60	122.07	248.61	8.00	7.63	MWD		
01	6,519.0	43.64	155.21	NYN	6,477.61	-235.72	130.62	269.48	8.03	7.39	MWD		
01	6,551.0	47.06	152.82	NYN	6,500.10	-256.17	140.60	292.22	13.95	13.93	MWD		
01	6,583.0	49.81	149.87	NYN	6,521.34	-277.07	152.25	316.14	11.02	8.59	MWD		
01	6,614.0	52.92	148.42	NYN	6,540.69	-297.76	164.82	340.33	10.68	10.03	MWD		
01	6,646.0	54.97	151.75	NYN	6,559.53	-320.18	177.71	366.18	10.57	6.41	MWD		
01	6,667.0	57.00	150.16	YNN	6,571.28	-335.39	186.16	67.43	11.52	9.67	MWD		
01	6,699.0	59.59	148.78	YNN	6,588.09	-358.84	199.99	94.64	8.89	8.09	MWD		
01	6,730.0	59.61	147.33	YNN	6,603.78	-381.53	214.14	121.33	4.03	0.06	MWD		
01	6,762.0	58.35	148.23	YNN	6,620.27	-404.73	228.76	148.70	4.62	-3.94	MWD		
01	6,793.0	57.56	148.86	YNN	6,636.72	-427.14	242.48	174.94	3.08	-2.55	MWD		
01	6,825.0	60.69	151.36	YNN	6,653.14	-450.95	256.15	202.39	11.86	9.78	MWD		
01	6,857.0	65.04	153.41	YNN	6,667.73	-476.18	269.34	230.85	14.74	13.59	MWD		
01	6,888.0	68.92	155.40	YNN	6,679.86	-501.91	281.65	259.34	13.84	12.52	MWD		
01	6,920.0	73.01	155.40	YNN	6,690.29	-529.41	294.24	289.51	12.78	12.78	MWD		
01	6,951.0	76.53	154.89	YNN	6,698.43	-556.54	306.82	319.35	11.47	11.35	MWD		
01	6,983.0	80.07	154.36	YNN	6,704.92	-584.85	320.24	350.63	11.18	11.06	MWD		
01	7,014.0	82.11	154.07	NYN	6,709.71	-612.73	333.01	697.37	6.65	6.58	MWD		
01	7,046.0	83.74	154.48	NYN	6,713.65	641.34	346.80	729.09	5.25	5.09	MWD		
01	7,061.0	84.19	154.12	NYN	6,715.23	654.78	353.26	743.99	3.83	3.00	MWD		
01	7,078.0	86.00	153.14	NYN	6,716.68	-669.95	360.79	760.91	12.10	10.65	MWD		
01	7,111.0	88.99	150.79	YNN	6,718.12	-699.04	376.28	477.72	11.52	9.06	MWD		
01	7,141.0	89.40	150.32	YNN	6,718.54	-725.17	391.03	507.71	2.08	1.37	MWD		
01	7,172.0	89.56	150.31	YNN	6,718.83	-752.10	406.38	538.70	0.52	0.52	MWD		
01	7,203.0	89.93	150.29	YNN	6,718.96	-779.02	421.74	569.70	1.20	1.19	MWD		
01	7,235.0	90.47	149.92	YNN	6,718.85	-806.77	437.69	601.69	2.05	1.69	MWD		
01	7,267.0	91.11	149.61	YNN	6,718.41	-834.41	453.80	633.67	2.22	2.00	MWD		

Questar E & P

Deviation Summary

Well Name: BRENNAN FED 12 (18-7S-21E) Location: 18- 7-S 21-E 26
 TMD: 9,573.0 (ft) TVD: 6,662.55 (ft) Spud Date: 1/3/1997
 Closure Distance: 2,937.2 (ft) Closure Direction: 149.62 (°) Calculation Method: Minimum Curvature

S/T #	TMD (ft)	Angle (°)	Azimuth (°)	CTM	TVD (ft)	N/S (ft)	E/W (ft)	Vert. Section (ft)	DLS (°/100ft)	BUR (°/100ft)	Type
01	7,299.0	91.11	149.33	YNN	6,717.79	-861.97	470.05	665.65	0.87	0.00	MWD
01	7,330.0	90.87	149.42	YNN	6,717.25	-888.64	485.84	696.63	0.83	-0.77	MWD
01	7,362.0	90.81	149.52	YNN	6,716.79	-916.20	502.10	728.60	0.36	-0.19	MWD
01	7,393.0	91.04	149.41	YNN	6,716.29	-942.90	517.84	759.58	0.82	0.74	MWD
01	7,425.0	91.31	149.14	YNN	6,715.63	-970.40	534.19	791.55	1.19	0.84	MWD
01	7,456.0	91.38	148.57	YNN	6,714.90	-996.93	550.22	822.51	1.85	0.23	MWD
01	7,488.0	91.14	148.50	YNN	6,714.20	-1,024.21	566.92	854.47	0.78	-0.75	MWD
01	7,520.0	90.97	148.49	YNN	6,713.61	-1,051.49	583.64	886.42	0.53	-0.53	MWD
01	7,551.0	90.91	148.03	YNN	6,713.10	-1,077.85	599.94	917.37	1.50	-0.19	MWD
01	7,583.0	90.91	147.84	YNN	6,712.59	-1,104.97	616.93	949.31	0.59	0.00	MWD
01	7,614.0	90.67	147.71	YNN	6,712.16	-1,131.19	633.46	980.24	0.88	-0.77	MWD
01	7,646.0	91.31	147.18	YNN	6,711.61	-1,158.16	650.68	1,012.16	2.60	2.00	MWD
01	7,677.0	91.61	148.54	YNN	6,710.82	-1,184.40	667.16	1,043.09	4.49	0.97	MWD
01	7,709.0	91.71	148.15	YNN	6,709.89	-1,211.62	683.95	1,075.03	1.26	0.31	MWD
01	7,740.0	92.15	149.35	YNN	6,708.85	-1,238.11	700.02	1,105.98	4.12	1.42	MWD
01	7,772.0	92.42	149.65	YNN	6,707.57	-1,265.66	716.25	1,137.94	1.26	0.84	MWD
01	7,804.0	92.25	149.14	YNN	6,706.27	-1,293.18	732.53	1,169.89	1.68	-0.53	MWD
01	7,835.0	90.84	150.49	YNN	6,705.43	-1,319.97	748.11	1,200.87	6.30	-4.55	MWD
01	7,867.0	90.60	150.27	YNN	6,705.03	-1,347.78	763.92	1,232.86	1.02	-0.75	MWD
01	7,899.0	90.67	149.73	YNN	6,704.68	-1,375.49	779.92	1,264.85	1.70	0.22	MWD
01	7,931.0	90.57	152.17	YNN	6,704.33	-1,403.46	795.46	1,296.84	7.63	-0.31	MWD
01	7,962.0	90.47	152.13	YNN	6,704.05	-1,430.87	809.94	1,327.84	0.35	-0.32	MWD
01	7,994.0	90.50	151.91	YNN	6,703.78	-1,459.13	824.95	1,359.83	0.69	0.09	MWD
01	8,025.0	90.60	152.19	NYN	6,703.23	-1,487.84	837.72	1,707.32	0.96	0.32	MWD
01	8,057.0	91.48	152.36	NYN	6,702.65	-1,516.17	852.60	1,739.31	2.80	2.75	MWD
01	8,120.0	92.45	152.14	NYN	6,700.50	-1,571.89	881.92	1,802.27	1.58	1.54	MWD
01	8,151.0	92.72	151.59	NYN	6,699.10	-1,599.20	896.53	1,833.24	1.97	0.87	MWD
01	8,183.0	93.02	151.07	NYN	6,697.50	-1,627.24	911.86	1,865.20	1.87	0.94	MWD
01	8,214.0	92.69	151.19	NYN	6,695.95	-1,654.35	926.81	1,896.16	1.13	-1.06	MWD
01	8,246.0	91.81	151.00	NYN	6,694.70	-1,682.34	942.26	1,928.13	2.81	-2.75	MWD
01	8,278.0	92.02	151.16	NYN	6,693.63	-1,710.34	957.73	1,960.11	0.82	0.66	MWD
01	8,309.0	92.15	150.36	NYN	6,692.50	-1,737.37	972.86	1,991.09	2.61	0.42	MWD
01	8,341.0	91.81	150.15	NYN	6,691.40	-1,765.13	988.73	2,023.07	1.25	-1.06	MWD

Questar E & P

Deviation Summary

Well Name: BRENNAN FED 12 (18-7S-21E)										S/T #		V.S. AZI (°)	
TMD: 9,573.0 (ft)					TVD: 6,662.55 (ft)					OH		0.00	
Closure Distance: 2,937.2 (ft)					Closure Direction: 149.62 (°)					01		151.40	
Location: 18- 7-S 21-E 26													
Spud Date: 1/3/1997													
Calculation Method: Minimum Curvature													
S/T #	TMD (ft)	Angle (°)	Azimuth (°)	CTM	TVD (ft)	N/-S (ft)	E/-W (ft)	Vert. Section (ft)	DLS (°/100ft)	BUR (°/100ft)	Type		
01	8,373.0	91.95	150.03	NYN	6,690.35	-1,792.86	1,004.68	2,055.04	0.58	0.44	MWD		
01	8,404.0	92.29	150.31	NYN	6,689.20	-1,819.73	1,020.09	2,086.01	1.42	1.10	MWD		
01	8,436.0	92.68	150.27	NYN	6,687.82	-1,847.50	1,035.93	2,117.98	1.23	1.22	MWD		
01	8,468.0	90.17	150.27	NYN	6,687.09	-1,873.90	1,053.67	2,149.65	7.84	-7.84	MWD		
01	8,499.0	89.36	149.71	NYN	6,687.22	-1,900.74	1,069.18	2,180.64	3.18	-2.61	MWD		
01	8,531.0	89.60	149.68	NYN	6,687.51	-1,928.37	1,085.32	2,212.63	0.76	0.75	MWD		
01	8,562.0	90.07	149.50	NYN	6,687.60	-1,955.10	1,101.01	2,243.61	1.62	1.52	MWD		
01	8,594.0	89.80	149.35	NYN	6,687.63	-1,982.66	1,117.29	2,275.59	0.97	-0.84	MWD		
01	8,626.0	89.87	148.68	YNN	6,687.72	-2,010.09	1,133.76	1,991.40	2.11	0.22	MWD		
01	8,658.0	90.77	149.84	YNN	6,687.54	-2,037.60	1,150.12	2,023.37	4.59	2.81	MWD		
01	8,689.0	91.51	149.81	YNN	6,686.93	-2,064.39	1,165.70	2,054.35	2.39	2.39	MWD		
01	8,721.0	91.74	150.20	YNN	6,686.02	-2,092.09	1,181.69	2,086.33	1.41	0.72	MWD		
01	8,752.0	91.24	149.03	YNN	6,685.21	-2,118.83	1,197.36	2,117.31	4.10	-1.61	MWD		
01	8,784.0	90.67	148.61	YNN	6,684.68	-2,146.20	1,213.93	2,149.27	2.21	-1.78	MWD		
01	8,815.0	90.60	148.19	YNN	6,684.34	-2,172.60	1,230.17	2,180.22	1.37	-0.23	MWD		
01	8,847.0	90.60	149.00	YNN	6,684.00	-2,199.91	1,246.85	2,212.18	2.53	0.00	MWD		
01	8,878.0	90.87	148.93	YNN	6,683.60	-2,226.47	1,262.83	2,243.15	0.90	0.87	MWD		
01	8,910.0	91.51	148.33	YNN	6,682.94	-2,253.79	1,279.48	2,275.11	2.74	2.00	MWD		
01	8,941.0	92.38	149.12	YNN	6,681.89	-2,280.27	1,295.56	2,306.06	3.79	2.81	MWD		
01	8,973.0	92.69	148.41	YNN	6,680.47	-2,307.60	1,312.14	2,337.99	2.42	0.97	MWD		
01	9,004.0	92.74	147.95	YNN	6,679.00	-2,333.91	1,328.47	2,368.91	1.49	0.16	MWD		
01	9,033.0	92.55	148.41	YNN	6,677.66	-2,358.53	1,343.74	2,397.83	1.71	-0.66	MWD		
01	9,067.0	92.89	148.50	YNN	6,676.05	-2,387.47	1,361.51	2,431.75	1.03	1.00	MWD		
01	9,099.0	91.98	147.82	YNN	6,674.69	-2,414.63	1,378.38	2,463.67	3.55	-2.84	MWD		
01	9,131.0	92.82	148.34	YNN	6,673.35	-2,441.77	1,395.28	2,495.59	3.09	2.63	MWD		
01	9,162.0	90.00	147.48	YNN	6,672.59	-2,468.02	1,411.74	2,526.51	9.51	-9.10	MWD		
01	9,194.0	92.05	149.02	YNN	6,672.02	-2,495.23	1,428.58	2,558.46	8.01	6.41	MWD		
01	9,225.0	89.93	148.51	YNN	6,671.48	-2,521.73	1,444.65	2,589.42	7.03	-6.84	MWD		
01	9,257.0	90.07	148.30	YNN	6,671.48	-2,548.98	1,461.41	2,621.38	0.79	0.44	MWD		
01	9,288.0	90.27	147.61	YNN	6,671.39	-2,575.26	1,477.86	2,652.32	2.32	0.65	MWD		
01	9,320.0	90.70	147.24	YNN	6,671.12	-2,602.22	1,495.09	2,684.24	1.77	1.34	MWD		
01	9,352.0	91.50	147.10	YNN	6,670.50	-2,629.11	1,512.44	2,716.15	2.54	2.50	MWD		
01	9,383.0	91.91	146.20	YNN	6,669.58	-2,654.99	1,529.47	2,747.03	3.19	1.32	MWD		

Deviation Summary

Well Name: BRENNAN FED 12 (18-7S-21E) Location: 18- 7-S 21-E 26
 TMD: 9,573.0 (ft) TVD: 6,662.55 (ft) Spud Date: 1/3/1997
 Closure Distance: 2,937.2 (ft) Closure Direction: 149.62 (°) Calculation Method: Minimum Curvature

S/T #	TMD (ft)	Angle (°)	Azimuth (°)	CTM	TVD (ft)	N-S (ft)	E-W (ft)	Vert. Section (ft)	DLS (°/100ft)	OH 01	V.S. AZI (°)	151.40	151.40	151.40
										BUR (°/100ft)	Type			
01	9,415.0	92.56	146.00	YNN	6,668.33	-2,681.53	1,547.30	2,778.87	2.13	2.03	MWD			
01	9,446.0	92.59	145.19	YNN	6,666.94	-2,707.08	1,564.80	2,809.68	2.61	0.10	MWD			
01	9,478.0	91.98	145.36	YNN	6,665.66	-2,733.36	1,583.02	2,841.47	1.98	-1.91	MWD			
01	9,509.0	92.32	145.45	YNN	6,664.50	-2,758.86	1,600.61	2,872.28	1.13	1.10	MWD			
01	9,541.0	91.24	144.78	YNN	6,663.51	-2,785.10	1,618.90	2,904.07	3.97	-3.38	MWD			
01	32' 50' 9,573.0	92.18	144.42	YNN	6,662.55	~26 -2,811.17	~20 1,637.43	2,935.83	3.15	2.94	MWD			
		26 32	$\frac{26}{50} = 41'$			41' 2851.80	~31' 1668.68							
		20 32	$\frac{20}{50} = 31'$											

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER: See attached	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: See attached	
7. UNIT or CA AGREEMENT NAME: See attached	
8. WELL NAME and NUMBER: See attached	
9. API NUMBER: Attached	
10. FIELD AND POOL, OR WILDCAT: See attached	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	

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

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

2. NAME OF OPERATOR: Questar Exploration and Production Company *N5085*

3. ADDRESS OF OPERATOR: 1050 17th Street, Suite 500, Denver, CO 80265. PHONE NUMBER: (303) 672-6900

4. LOCATION OF WELL: FOOTAGES AT SURFACE: See attached. COUNTY: Attached. STATE: UTAH.

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 6/14/2010	<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) Morgan Anderson TITLE Regulatory Affairs Analyst

SIGNATURE *Morgan Anderson* DATE 6/23/2010

(This space for State use only)

RECEIVED
JUN 28 2010

DIV. OF OIL, GAS & MINING

APPROVED 6/13/2010
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

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

well_name	sec	twp	rng	api	entity	mineral lease	type
BRENNAN 1	13	070S	200E	4304715417	5261	Federal	OW
BRENNAN 3	17	070S	210E	4304715419	10750	Federal	OW
BRENNAN 6	19	070S	210E	4304730109	5261	Federal	OW
BRENNAN 8	17	070S	210E	4304731509	5290	Federal	OW
BRENNAN 9	18	070S	210E	4304732477	5261	Federal	OW
BRENNAN 10	19	070S	210E	4304732771	5261	State	OW
BRENNAN 14	18	070S	210E	4304732774	5261	Federal	OW
BRENNAN 12	18	070S	210E	4304732779	5261	Federal	OW
BBW 11G-20-7-21	20	070S	210E	4304736516	15176	Federal	OW
BRENNAN 2R	18	070S	210E	4304740125		Federal	OW
BRENNAN 7R	13	070S	200E	4304740197	17632	Federal	OW
BRENNAN 15	13	070S	200E	4304740198	5261	Federal	OW



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

Roger L. Bankart

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

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AUG 16 2010

DM OF OIL, GAS & MINERAL