Form 3160-3
(December 1990)

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

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

b TYPE OF WELL
OIL WELL [X] GAS-WELL [ ] OTHER ____ SINGLE ZONE [X] MULTIPLE ZONE [ ]

7. UNIT AGREEMENT NAME
Brennan Bottom Unit

8. FARM OR LEASE NAME, WELL NO.
Brennan Federal #14

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
744' FNL & 461' FWL, NWNW

At proposed prod. Zone
Same

RECEIVED
JUL 23 1996
DIV. OF OIL, GAS & MINING

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. (Also to nearest drlg. Unit line, if any)	16. NO. OF ACRES IN LEASE	17. NO. OF ACRES ASSIGNED TO THIS WELL
461'	160	NA

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	19. PROPOSED DEPTH	20. ROTARY OR CABLE TOOLS
2618'	7450'	Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
4812' GL

22. APPROX. DATE WORK WILL START*
August 1, 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#	7450'	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 Ed Riley TITLE Asset Team Leader DATE 7-18-96

(This space for Federal or State office use)

PERMIT NO. 43-047-32774 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.

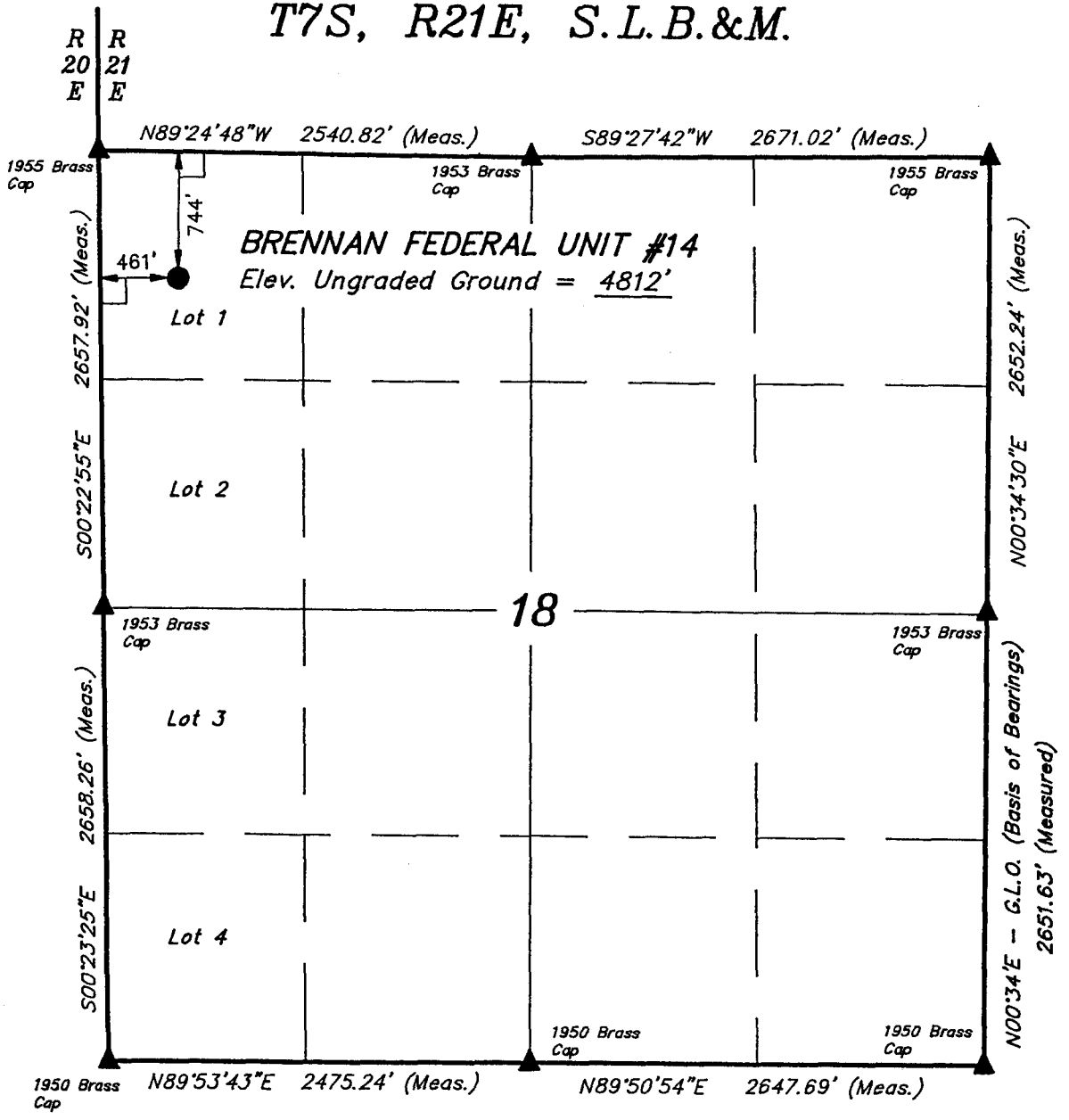
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY J.A. Matthews TITLE Petroleum Engineer DATE 11/20/96

*See Instructions On Reverse Side

CHEVRON U.S.A., INC.

Well location, BRENNAN FEDERAL UNIT #14, located as shown in Lot 1 of Section 18, T7S, R21E, S.L.B.&M. Uintah County, Utah.

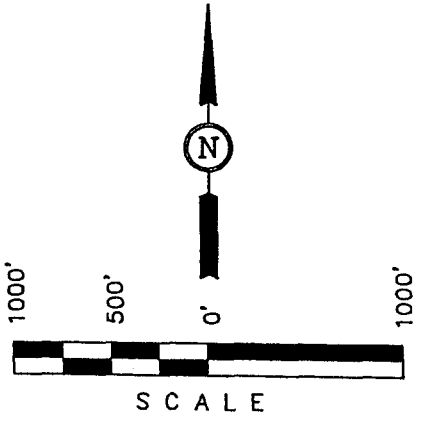


LEGEND:

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

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. 161319
STATE OF UTAH

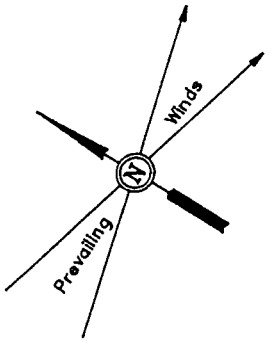
UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(801) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 6-19-96	DATE DRAWN: 6-20-96
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 #14
SECTION 18, T7S, R21E, S.L.B.&M.
744' FNL 461' FWL



REGISTERED LAND SURVEYOR
161319
ROBERT L. KAY
STATE OF UTAH

SCALE: 1" = 50'
DATE: 6-20-96
Drawn By: C.B.T.

APPROX. TOE OF FILL SLOPE

C-0.7'
El. 11.5'

GRADE
El. 10.8'

El. 08.1'
F-2.7'

Sta. 3+45

40'

175'

DATA

CATWALK

PIPE RACKS

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

Flare Pit

El. 14.9'
C-12.1'
(Btm. Pit)

El. 12.7'
C-1.9'

C-1.5'
El. 12.3'

L.O.C.

Topsoil Stockpile

70'

10'

40'

RIG

DOG HOUSE

130'

Sta. 1+70

APPROX. TOP OF CUT SLOPE

RESERVE PIT
8' DEEP

PIT CAPACITY WITH 2' OF FREEBOARD = 7,960 Bbls.

1 1/2:1 (TYP.)

150'

MUD TANKS

WATER

PUMP

170'

MUD SHED

TRAILER

TOILET

HOPPER

FUEL

POWER

TOOLS

FUEL

TRASH

Reserve Pit Backfill & Spoils Stockpile

Sta. 0+42

El. 08.5'
F-2.3'

STORAGE TANK

El. 12.7'
C-1.9'

30'

El. 15.3'
C-12.5'
(Btm. Pit)

Sta. 0+00

C-1.4'
El. 12.2'

C-0.4'
El. 11.2'

El. 07.2'
F-3.6'

Proposed Access Road

FIGURE #1

Elev. Ungraded Ground at Location Stake = 4812.3'

Elev. Graded Ground at Location Stake = 4810.8'

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

CHEVRON USA., INC.

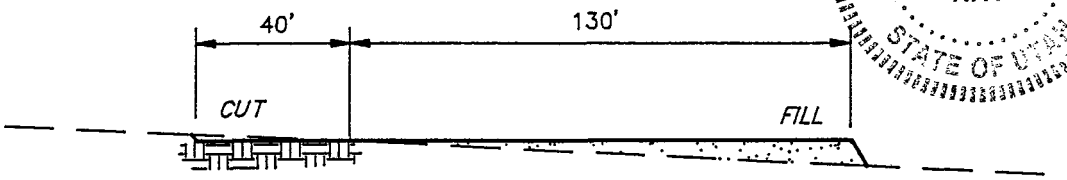
TYPICAL CROSS SECTIONS FOR

BRENNAN FEDERAL UNIT #14
SECTION 18, T7S, R21E, S.L.B.&M.
744' FNL 461' FWL

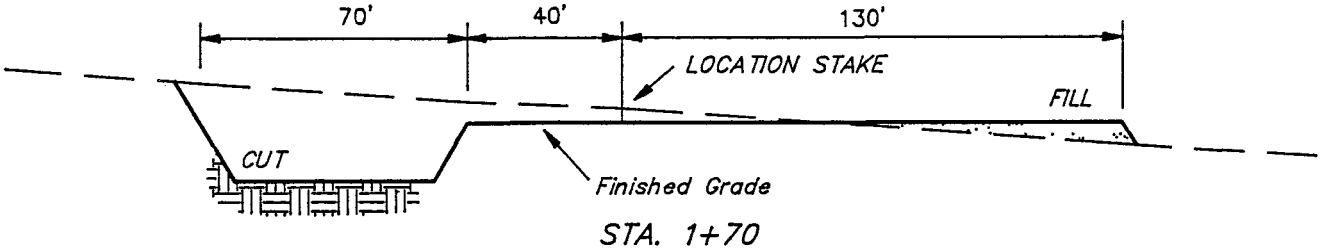
1" = 20'
X-Section Scale
1" = 50'

DATE: 6-20-96
Drawn By: C.B.T.

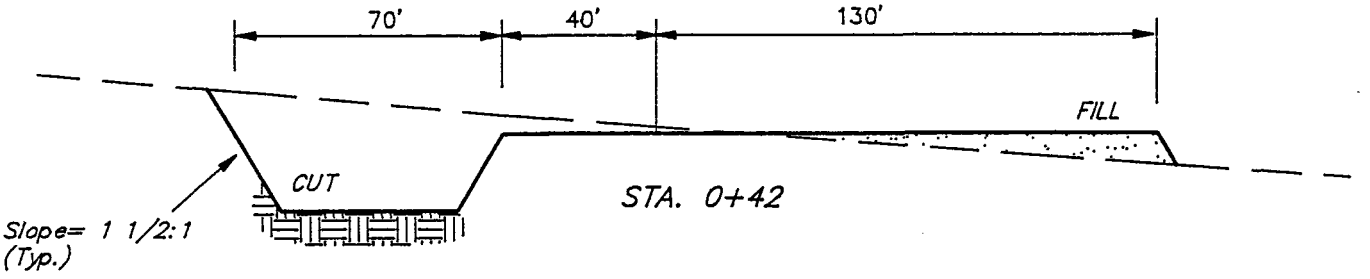
REGISTERED LAND SURVEYOR No. 2019 RANDALL L. KAY STATE OF UTAH



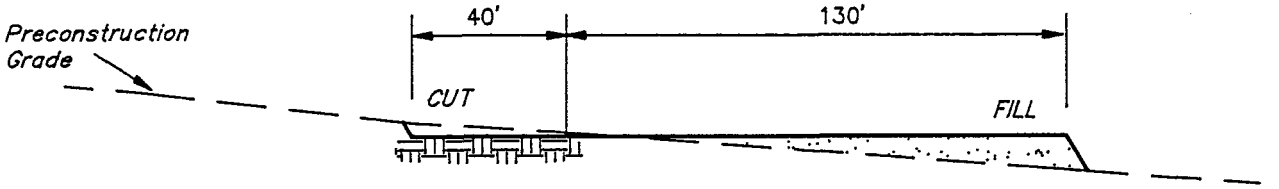
STA. 3+45



STA. 1+70



STA. 0+42



STA. 0+00

FIGURE #2

APPROXIMATE YARDAGES

CUT

(6") Topsoil Stripping	= 1,280	Cu. Yds.
Remaining Location	= 3,970	Cu. Yds.
TOTAL CUT	= 5,250	CU.YDS.
FILL	= 2,630	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.

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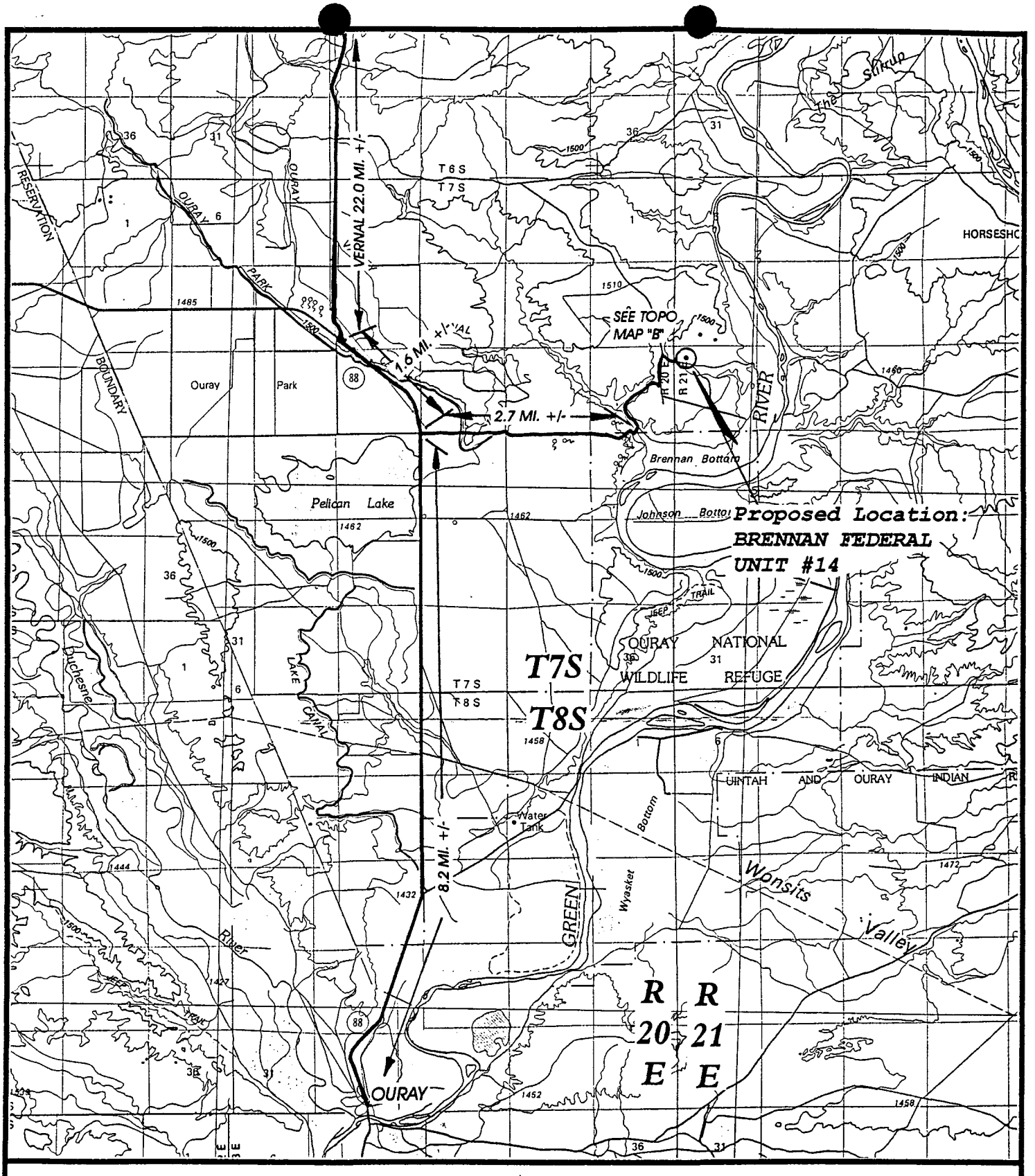

TOPOGRAPHIC MAP "A"

DATE: 6-20-96
Drawn by: C.B.T.

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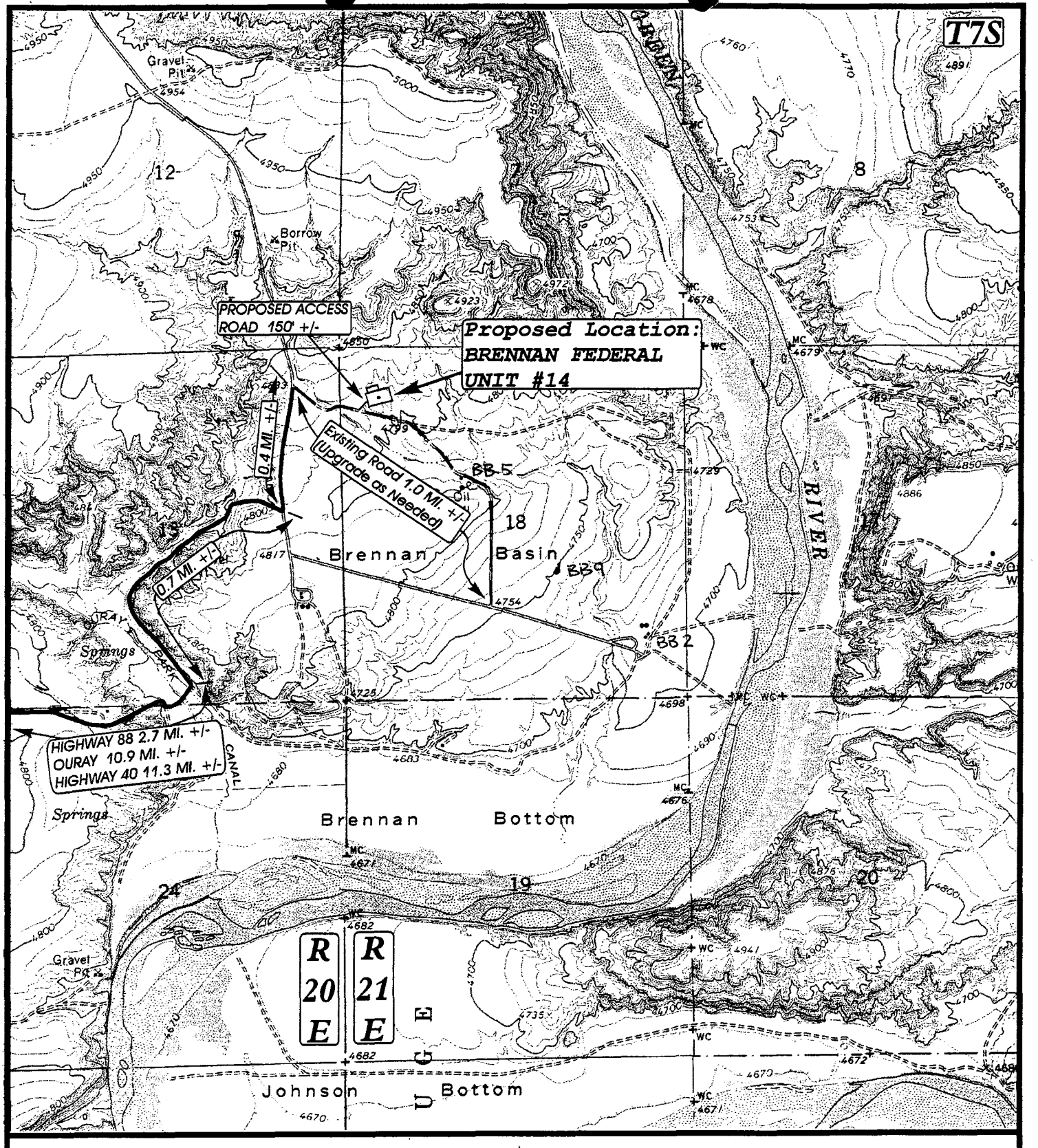
CHEVRON USA, INC.

BRENNAN FEDERAL UNIT #14
SECTION 18, T7S, R21E, S.L.B.&M.
744' FNL 461' FWL



TOPOGRAPHIC MAP "B"

DATE: 6-20-96
Drawn by: C.B.T.

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

SCALE: 1" = 2000'

CHEVRON USA, INC.

BRENNAN FEDERAL UNIT #14
SECTION 18, T7S, R21E, S.L.B.&M.
744' FNL 461' FWL

CHEVRON USA PRODUCTION CO.

BRENNAN FEDERAL #14
744' FNL & 461' FWL
NWNW-S18-T7S-R21E
UINTAH COUNTY, UTAH

EIGHT POINT DRILLING PLAN

1. ESTIMATED FORMATION TOPS:

Uinta	Surface
Green River	~3288'
Oil Shale	~4863'
G1 Lime	~6801'
H4a Marker	~6983'
Wasatch	~7098'

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 ~4863-5223'.

Oil: Oil is expected in several intervals between the depths of 6801' and 7198'.

Gas: Minor shows may be encountered below ~2500'.

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 #14 - 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 plug used. Allowed to set under pressure.

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 #14 - 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 6750'

Coring: None

Testing: None planned.

7. EXPECTED BOTTOM HOLE PRESSURE AND ANY ANTICIPATED ABNORMAL PRESSURE, TEMPERATURES, OR OTHER HAZARDS (H_2S, 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 @ 7450': ~3226 psi (~0.433 psi/ft.).
Maximum expected BHT @ 7450': ~165^{o} 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 minimun 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 blooey line which runs straight through the cross and is isolated by a steel gate valve.

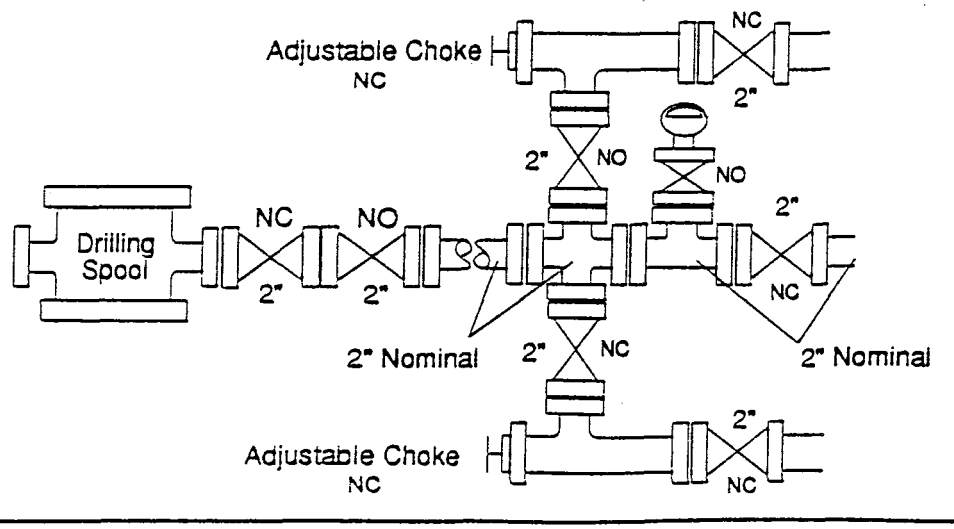
6. Includes a valve isolated pressure gauge suitable for drilling service which can display the casing pressure within view of the choke operator.

7. Returns through the choke manifold must be divertible through a mud-gas seperator 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.

Figure 11J.8 - Class III Choke Manifold

NC = Normally Closed
NO = Normally Open



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.

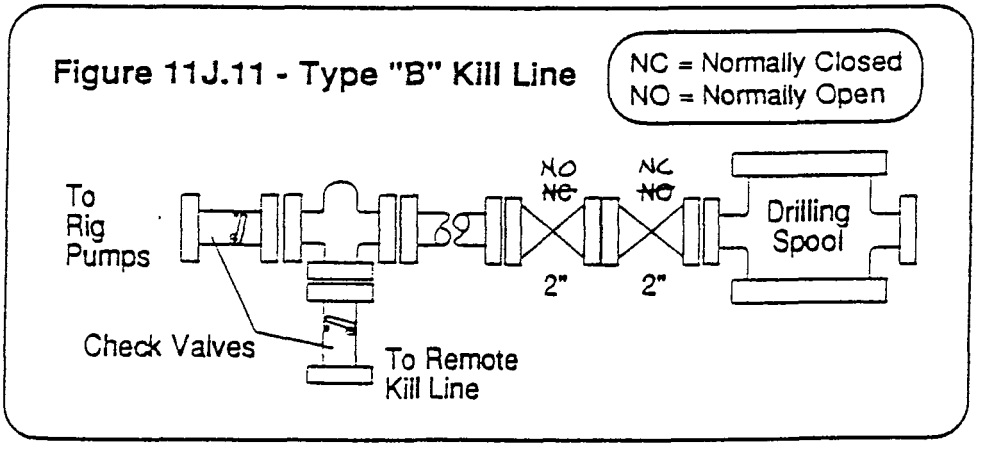
2 The arrangement includes two - 2" (nominal) gate valves installed at the drilling spool and an upstream fluid cross. The outside valve may be hydraulically remote controlled.

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.

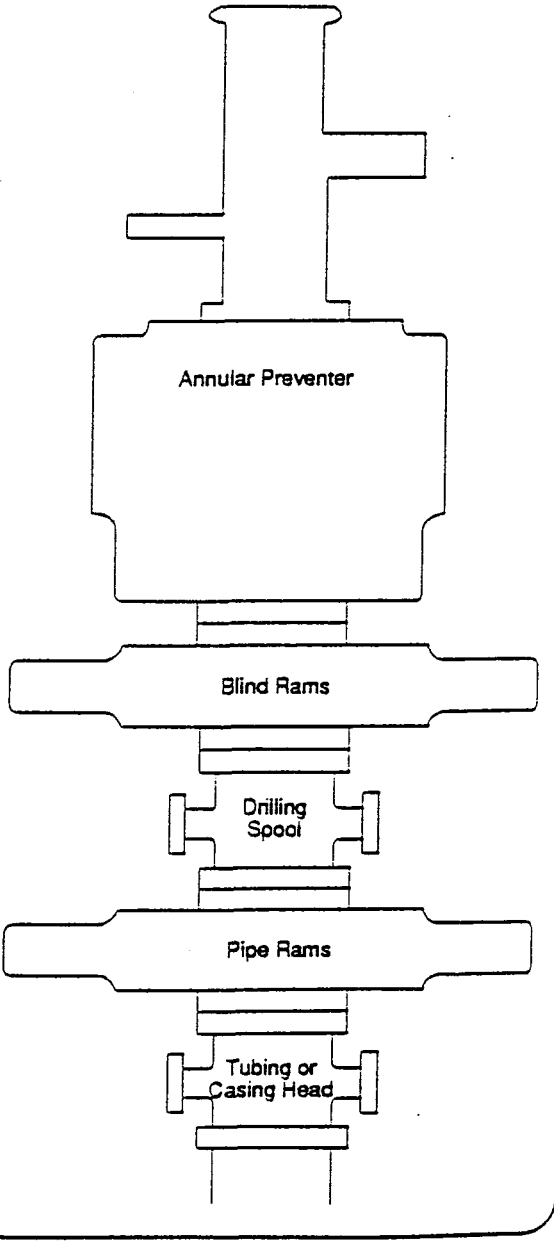
6. Any lines which are installed at the wellhead are designated as "**emergency kill lines**" and should only be used if the primary and remote kill lines are inoperable.



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 #14
744' FNL & 461' FWL
NWNW-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 27.6 miles from Vernal, UT.

2. ACCESS ROADS TO BE CONSTRUCTED OR RECONSTRUCTED:

See Topographic Maps A and B. An existing road will be upgraded to the proposed access road with additional upgrade as shown. An access road approximately 150' 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.

D. A cathodic protection system will be installed on location following well completion.

BRENNAN FEDERAL #14 - 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.

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 #14 - 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 #14 - 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.

7-18-96
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 #14, NWNW-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: 7-18-96

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 07/23/96

API NO. ASSIGNED: 43-047-32774

WELL NAME: BRENNAN FEDERAL #14
OPERATOR: CHEVRON (N0210)

PROPOSED LOCATION:
NWNW 18 - T07S - R21E
SURFACE: 0744-FNL-0461-FWL
BOTTOM: 0744-FNL-0461-FWL
UINTAH COUNTY
BRENNAN BOTTOM FIELD (560)

LEASE TYPE: FED
LEASE NUMBER: U - 046

PROPOSED PRODUCING FORMATION: GRRV

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

RECEIVED AND/OR REVIEWED:

✓ Plat
✓ Bond: Federal [✓] State [] Fee []
(Number 4-89-75-81-34)
N Potash (Y/N)
N Oil shale (Y/N)
✓ Water permit
(Number 43-8496)
N RDCC Review (Y/N)
(Date:)

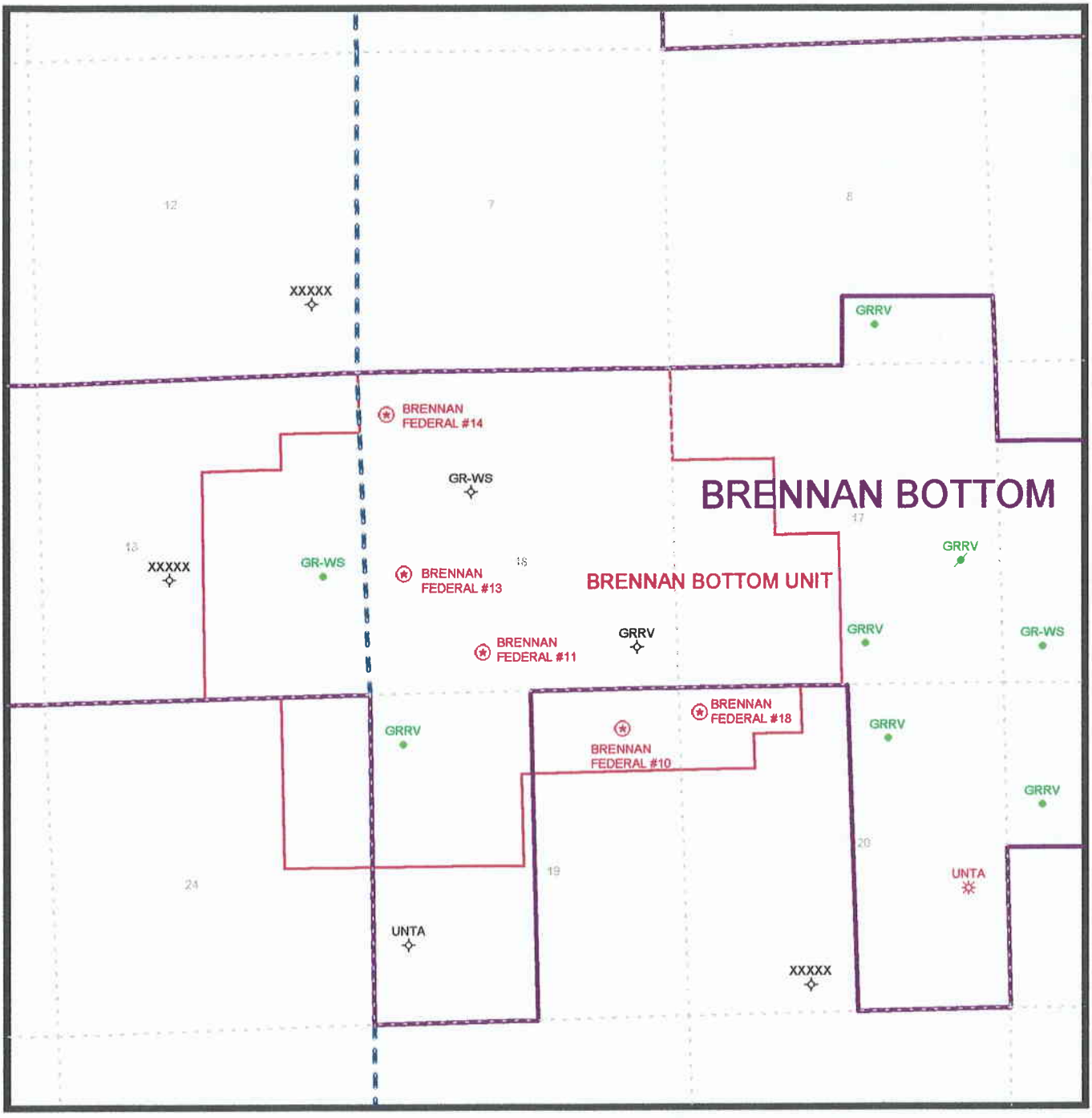
LOCATION AND SITING:

✓ 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 (560)
SEC, TWP, RNG: SEC. 18, 19, 20 T7S, R21E
COUNTY: UINTAH
UAC: R649-3-2



PREPARED:
DATE: 23-JULY-96

STATE OF UTAH, DIV OF OIL, GAS & MINERALS

Operator: CHEVRON USA PRODUCTION	Well Name: BRENNAN FED 14
Project ID: 43-047-32774	Location: SEC. 18 - T07S - R21E

Design Parameters:

Mud weight (9.50 ppg)	: 0.494	psi/ft
Shut in surface pressure	: 3085	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	7,450	5.500	17.00	N-80	LT&C	7,450	4.767	

	Collapse Load (psi)	Collapse Strgth (psi)	Collapse S.F.	Burst Load (psi)	Min Int Yield Strgth (psi)	Burst S.F.	Tension Load (kips)	Tension Strgth (kips)	Tension S.F.
1	3677	6280	1.708	3677	7740	2.10	126.65	348	2.75 J

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

GRRV

Minimum segment length for the 7,450 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 3,677 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 #14 Well, 744' FNL, 461' FWL, NW NW, 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 43-047-32774.

Sincerely,

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 #14

API Number: 43-047-32774

Lease: U-046

Location: NW NW 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.

Form 3160-3
(December 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

RECEIVED
JUL 23 1996

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

5. LEASE DESIGNATION AND SERIAL NO.
U-046

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

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

b TYPE OF WELL
OIL WELL [X] GAS-WELL [ ] OTHER ____ SINGLE ZONE [X] MULTIPLE ZONE [ ]

7. UNIT AGREEMENT NAME
Brennan Bottom Unit

8. FARM OR LEASE NAME, WELL NO.
Brennan Federal #14

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
744' FNL & 461' FWL, NWNW
At proposed prod. Zone
Same

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. (Also to nearest drlg. Unit line, if any)	16. NO. OF ACRES IN LEASE	17. NO. OF ACRES ASSIGNED TO THIS WELL
461'	160	NA
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	**19. PROPOSED DEPTH**	**20. ROTARY OR CABLE TOOLS**
2618'	7450'	Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
4812' GL

22. APPROX. DATE WORK WILL START*
August 1, 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#	7450'	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
DEC 3 1996
DIV. OF OIL, GAS & MINING

24. SIGNED L. Ruby TITLE Asset Team Leader DATE 7-18-96

(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 Jerry Kenczka TITLE Acting Assistant Field Manager Mineral Resources DATE NOV 20 1996

*See Instructions On Reverse Side

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

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

Well Name & Number: Brennan Bottom Federal 14

API Number: 43-047-32774

Lease Number: U - 046

Location: NWNW 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 the field representative 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.

3. Casing Program and Auxiliary Equipment

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

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 base of the usable water zone, identified at 1,827 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 ± 1,627 ft. cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. 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.

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 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within thirty (30) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

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 onlease 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 on initial meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal Field 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 approvals are necessary, please contact one of the following individuals:

Ed Forsman (801) 789-7077
Petroleum Engineer

Wayne P. Bankert (801) 789-4170
Petroleum Engineer

Jerry Kenczka (801) 789-1190
Petroleum Engineer

BLM FAX Machine (801) 781-4410

EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

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

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, 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 USE PLAN
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. Powerlines will be designed to avoid electrical hazards to perching raptors.

d. Roads will be watered and/or chemically stabilized in order to reduce fugitive dust.

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

f. 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 # 14

Api No. 43-047-32774

Section 18 Township 7S Range 21E County UINTAH

Drilling Contractor COLORADO WELL SERVICE

Rig #: 78

SPUDDED:

Date: 12/12/96

Time:

How: ROTARY

Drilling will commence:

Reported by: D. HACKFORD

Telephone #:

Date: 12/12/96 Signed: JLT

Form 3160-5
(June 1990)

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

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

1. Type of Well
Oil [X] Well Gas [ ] Well [ ] Other

8. Well Name and No.
BRENNAN FEDERAL 14

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

9. API Well No. 43-047-32774
Error! Bookmark not defined.

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
NW NW SEC 18, T7S, R21E

11. County or Parish, State
UINTAH, UTAH

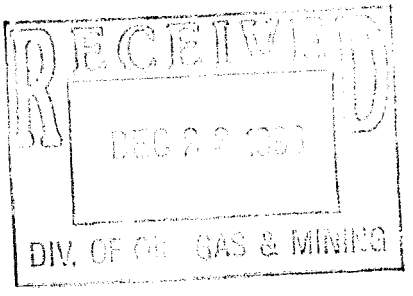
12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[X] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[ ] Other **SPUD DATE**	[ ] 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 SPUDDED ON DECEMBER 13, 1996. ED FORSMAN AT BLM WAS GIVEN VERBAL NOTIFICATION ON 12/08/96. DAVE HACKFORD OF STATE OF UTAH WAS GIVEN VERBAL NOTIFICATION ON 12/13/96.



14. I hereby certify that the foregoing is true and correct.
Signed D C James Title **COMPUTER SYSTEMS OPERATOR** Date **12/18/96**

(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.

State of Utah
Division of Oil, Gas and Mining

OPERATOR ACCT. No. N0210

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	43-047-32774	**Brennan Federal #14**	**NW NW**	**18**	**7S**	**21 E**	**Uintah**	**12/13/96**	
WELL 1 COMMENTS: **New well to be drilled in Brennan Federal Unit.** Entity added 12-26-96. lc (Brennan Bo Horn Unit)											
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

(3/89)

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DIV. OF OIL, GAS & MINING

D C Jarman
Signature

Computer Systems Opr. 12/18/96
Title Date

Phone No. **(801) 781-4300**

Form 3160-5
(June 1990)

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

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**

1. Type of Well
   Oil Well [X] Gas Well [ ] Other [ ]

8. Well Name and No.: **BRENNAN FEDERAL 14**

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

9. API Well No.: **43-047-32774**

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
   NW NW SEC 18, T7S, R21E

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	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[X] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[ ] Other _____	[ ] 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 7, 1997.

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FEB 12 1997
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14. I hereby certify that the foregoing is true and correct.
Signed DC Jarvis Title **COMPUTER SYSTEMS OPERATOR** Date **2/10/97**

(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.

Form 3160-4
(November 1983)
(formerly 9-330)

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 [X] GAS WELL [ ] DRY [ ] Other

b TYPE OF COMPLETION — NEW WELL [X] 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 #14

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

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

At surface **744' FNL, 461' FWL, NWNW**

At top rod. interval reported below **SAME**

At total depth **SAME**

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

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

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
43-047-32774	11/20/96	UINTAH	UT

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. *(Ready to prod.)*	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
12/13/96	12/26/96	1/29/97	4826' KB, 4812' GL	

20. TOTAL DEPTH, MD & TVD	21. PLUG BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
7455'	7376'		-------->	X	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*
6782' TO 7263'
GREEN RIVER

25. WAS DIRECTIONAL SURVEY MADE
NO

26. TYPE ELECTRIC AND OTHER LOGS RUN DUAL INDUCTION FOCUSED LOG/GR 2-1-97
COMPENSATED Z-DENSILOG/COMPENSATED NEUTRON/GR, ACOUSTIC CBL

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	610	12-1/4	325 SX. PREMIUM V	NA
5-1/2	17	7455	7-7/8	525 SX. CLASS H HI-FILL LEAD;	NA
				475 SX. CLASS H TAIL	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8	7101	

31. PERFORATION RECORD *(Interval, size and number)*
6782-88' G1 LIME
7017-25' H4A LIME
7148-58' W1 SAND
7251-55' & 7258-63', STRAY SAND
ALL PERFORATIONS 4 JSPF, 90° PHASING

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6782-88'	2500 GAL. 28% HCL
7017-25'	2500 GAL. 28% HCL
7148' THROUGH 7263'	2500 GAL. GEL & 5200# 20/40 SAND

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD *(Flowing, gas lift, pumping--size and type of pump)*	WELL STATUS *(Producing or shut-in)*
2/7/97	ROD PUMP, 2-1/2" X 1-3/4" X 21' RHBC	PRODUCING

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
2/9/97	24	NA	---------->	72	10	15	139 SCF/BO

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF	WATER--BBL	OIL GRAVITY-API (CORR.)
225	50	---------->	72	10	15	32

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

TEST WITNESSED BY
ROY DIXON

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 **14 March 1997**

(See Instructions and Spaces for Additional Data on Reverse Side)

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.
Uinta	**Surface**	**3449**	
Green River	**3449**	**7100**	**No Core** **No DSTs**
Wasatch	**7100**	**TD**	

LOG DESCRIPTION (From Page 1)
GRFC.API 0 310 1 1:Gamma ray counts
DRFC.G/C3 0 356 99 1:ZDL Correction
CAFC. 0 0 0 1:N/A
D273.PU 0 890 99 1:Porosity from ZDEN
PEFC.BARN 0 995 99 1:Photo Electric cross section
RBFC.G/C3 0 350 1 1:ZDL Bulk Density
RDDI.OHMM 0 120 46 1:Resistivity from CILD
RMDI.OHMM 0 120 44 1:Resistivity from CILM
RSDI.OHMM 0 220 6 1:Resistivity from CFOC
SPmisc.MV 0 10 1 1:Spontaneous Potential - Eclipse version
LMCN.PU 0 995 99 1:CNC corrected to Field Normalized transform
SPDI.MV 0 10 1 1:Spontaneous Potential
GR-CBL-CCL - Gamma Ray Cement Bond Log

38. GEOLOGIC MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
Green River - Oil Shale	**4932**	
Green River - G1 Lime	**6782**	
Green River - H4a	**7017**	
W1 Sand	**7148**	

1

BARRELS OF 42 GALLONS

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

Date 02/19/97 CHEVRON:

Owner CHEVRON USA PROD. CO., INC.

Farm BRENNAN FEDERAL #14 UO46

¼ Sec. Dist.

Sec.

County UINTAH State UTAH

¼" INCREMENTS

Ft.	In.	Qt.	0.00499
0	9	0	0.41884
1	5	0	0.40663
2	11	0	0.41905
5	0	0	0.41717
15	0	0	0.41764
			300.45119

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.	
0"	0.00	0"	19.96	0"	39.82	0"	59.93	0"	79.95	0"	99.98	0"	120.03	0"	140.07	0"	160.12	0"	180.17	0"	200.21	0"	220.26	0"	240.31	0"	260.35	0"	280.40
1/4	0.42	1/4	20.36	1/4	40.24	1/4	60.35	1/4	80.37	1/4	100.40	1/4	120.44	1/4	140.49	1/4	160.54	1/4	180.58	1/4	200.63	1/4	220.68	1/4	240.72	1/4	260.77	1/4	280.82
1/2	0.84	1/2	20.77	1/2	40.66	1/2	60.77	1/2	80.79	1/2	100.81	1/2	120.86	1/2	140.91	1/2	160.95	1/2	181.00	1/2	201.05	1/2	221.09	1/2	241.14	1/2	261.19	1/2	281.23
3/4	1.26	3/4	21.18	3/4	41.08	3/4	61.18	3/4	81.21	3/4	101.23	3/4	121.28	3/4	141.33	3/4	161.37	3/4	181.42	3/4	201.47	3/4	221.51	3/4	241.56	3/4	261.61	3/4	281.65
1"	1.68	1"	21.58	1"	41.50	1"	61.60	1"	81.62	1"	101.65	1"	121.70	1"	141.74	1"	161.79	1"	181.84	1"	201.88	1"	221.93	1"	241.98	1"	262.02	1"	282.07
1/4	2.09	1/4	21.99	1/4	41.92	1/4	62.02	1/4	82.04	1/4	102.07	1/4	122.11	1/4	142.16	1/4	162.21	1/4	182.25	1/4	202.30	1/4	222.35	1/4	242.39	1/4	262.44	1/4	282.49
[illegible]	2.51	1/2	22.40	1/2	42.34	1/2	62.43	1/2	82.46	1/2	102.48	1/2	122.53	1/2	142.58	1/2	162.62	1/2	182.67	1/2	202.72	1/2	222.77	1/2	242.81	1/2	262.86	1/2	282.91
[illegible]	2.93	3/4	22.80	3/4	42.76	3/4	62.85	3/4	82.88	3/4	102.90	3/4	122.95	3/4	143.00	3/4	163.04	3/4	183.09	3/4	203.14	3/4	223.18	3/4	243.23	3/4	263.28	3/4	283.32
2"	3.35	2"	23.21	2"	43.18	2"	63.27	2"	83.29	2"	103.32	2"	123.37	2"	143.41	2"	163.46	2"	183.51	2"	203.55	2"	223.60	2"	243.65	2"	263.69	2"	283.74
1/4	3.77	1/4	23.62	1/4	43.60	1/4	63.69	1/4	83.71	1/4	103.74	1/4	123.78	1/4	143.83	1/4	163.88	1/4	183.92	1/4	203.97	1/4	224.02	1/4	244.06	1/4	264.11	1/4	284.16
1/2	4.19	1/2	24.02	1/2	44.01	1/2	64.10	1/2	84.13	1/2	104.16	1/2	124.20	1/2	144.25	1/2	164.30	1/2	184.34	1/2	204.39	1/2	224.44	1/2	244.48	1/2	264.53	1/2	284.58
3/4	4.61	3/4	24.43	3/4	44.43	3/4	64.52	3/4	84.54	3/4	104.57	3/4	124.62	3/4	144.67	3/4	164.71	3/4	184.76	3/4	204.81	3/4	224.85	3/4	244.90	3/4	264.95	3/4	284.99
3"	5.03	3"	24.84	3"	44.85	3"	64.94	3"	84.96	3"	104.99	3"	125.04	3"	145.08	3"	165.13	3"	185.18	3"	205.22	3"	225.27	3"	245.32	3"	265.36	3"	285.41
1/4	5.44	1/4	25.24	1/4	45.27	1/4	65.35	1/4	85.38	1/4	105.41	1/4	125.46	1/4	145.50	1/4	165.55	1/4	185.60	1/4	205.64	1/4	225.69	1/4	245.74	1/4	265.78	1/4	285.83
1/2	5.86	1/2	25.65	1/2	45.69	1/2	65.77	1/2	85.80	1/2	105.83	1/2	125.87	1/2	145.92	1/2	165.97	1/2	186.01	1/2	206.06	1/2	226.11	1/2	246.15	1/2	266.20	1/2	286.25
3/4	6.28	3/4	26.06	3/4	46.11	3/4	66.19	3/4	86.21	3/4	106.24	3/4	126.29	3/4	146.34	3/4	166.38	3/4	186.43	3/4	206.48	3/4	226.52	3/4	246.57	3/4	266.62	3/4	286.66
4"	6.70	4"	26.46	4"	46.53	4"	66.61	4"	86.63	4"	106.66	4"	126.71	4"	146.75	4"	166.80	4"	186.85	4"	206.89	4"	226.94	4"	246.99	4"	267.03	4"	287.08
1/4	7.12	1/4	26.87	1/4	46.95	1/4	67.02	1/4	87.05	1/4	107.08	1/4	127.13	1/4	147.17	1/4	167.22	1/4	187.27	1/4	207.31	1/4	227.36	1/4	247.41	1/4	267.45	1/4	287.50
1/2	7.54	1/2	27.28	1/2	47.37	1/2	67.44	1/2	87.46	1/2	107.50	1/2	127.54	1/2	147.59	1/2	167.64	1/2	187.68	1/2	207.73	1/2	227.78	1/2	247.82	1/2	267.87	1/2	287.92
3/4	7.96	3/4	27.68	3/4	47.79	3/4	67.86	3/4	87.88	3/4	107.91	3/4	127.96	3/4	148.01	3/4	168.05	3/4	188.10	3/4	208.15	3/4	228.19	3/4	248.24	3/4	268.29	3/4	288.33
5"	8.38	5"	28.09	5"	48.20	5"	68.27	5"	88.30	5"	108.33	5"	128.38	5"	148.43	5"	168.47	5"	188.52	5"	208.57	5"	228.61	5"	248.66	5"	268.71	5"	288.75
1/4	8.80	1/4	28.51	1/4	48.62	1/4	68.69	1/4	88.72	1/4	108.75	1/4	128.80	1/4	148.84	1/4	168.89	1/4	188.94	1/4	208.98	1/4	229.03	1/4	249.08	1/4	269.12	1/4	289.17
1/2	9.21	1/2	28.93	1/2	49.04	1/2	69.11	1/2	89.13	1/2	109.17	1/2	129.21	1/2	149.26	1/2	169.31	1/2	189.35	1/2	209.40	1/2	229.45	1/2	249.49	1/2	269.54	1/2	289.59
3/4	9.63	3/4	29.35	3/4	49.46	3/4	69.53	3/4	89.55	3/4	109.58	3/4	129.63	3/4	149.68	3/4	169.72	3/4	189.77	3/4	209.82	3/4	229.87	3/4	249.91	3/4	269.96	3/4	290.01
6"	10.05	6"	29.77	6"	49.88	6"	69.94	6"	89.97	6"	110.00	6"	130.05	6"	150.10	6"	170.14	6"	190.19	6"	210.24	6"	230.28	6"	250.33	6"	270.38	6"	290.42
1/4	10.47	1/4	30.19	1/4	50.30	1/4	70.36	1/4	90.38	1/4	110.42	1/4	130.47	1/4	150.51	1/4	170.56	1/4	190.61	1/4	210.65	1/4	230.70	1/4	250.75	1/4	270.79	1/4	290.84
1/2	10.89	1/2	30.60	1/2	50.72	1/2	70.78	1/2	90.80	1/2	110.84	1/2	130.88	1/2	150.93	1/2	170.98	1/2	191.02	1/2	211.07	1/2	231.12	1/2	251.16	1/2	271.21	1/2	291.26
3/4	11.31	3/4	31.02	3/4	51.14	3/4	71.19	3/4	91.22	3/4	111.26	3/4	131.30	3/4	151.35	3/4	171.40	3/4	191.44	3/4	211.49	3/4	231.54	3/4	251.58	3/4	271.63	3/4	291.68
[illegible]	11.73	7"	31.44	7"	51.56	7"	71.61	7"	91.64	7"	111.67	7"	131.72	7"	151.77	7"	171.81	7"	191.86	7"	211.91	7"	231.95	7"	252.00	7"	272.05	7"	292.09
1/4	12.15	1/4	31.86	1/4	51.98	1/4	72.03	1/4	92.05	1/4	112.09	1/4	132.14	1/4	152.18	1/4	172.23	1/4	192.28	1/4	212.32	1/4	232.37	1/4	252.42	1/4	272.46	1/4	292.51
1/2	12.57	1/2	32.28	1/2	52.40	1/2	72.45	1/2	92.47	1/2	112.51	1/2	132.55	1/2	152.60	1/2	172.65	1/2	192.70	1/2	212.74	1/2	232.79	1/2	252.84	1/2	272.88	1/2	292.93
3/4	12.98	3/4	32.70	3/4	52.81	3/4	72.86	3/4	92.89	3/4	112.93	3/4	132.97	3/4	153.02	3/4	173.07	3/4	193.11	3/4	213.16	3/4	233.21	3/4	253.25	3/4	273.30	3/4	293.35
8"	13.40	8"	33.12	8"	53.23	8"	73.28	8"	93.30	8"	113.34	8"	133.39	8"	153.44	8"	173.48	8"	193.53	8"	213.58	8"	233.62	8"	253.67	8"	273.72	8"	293.76
1/4	13.82	1/4	33.54	1/4	53.65	1/4	73.70	1/4	93.72	1/4	113.76	1/4	133.81	1/4	153.85	1/4	173.90	1/4	193.95	1/4	213.99	1/4	234.04	1/4	254.09	1/4	274.13	1/4	294.18
1/2	14.24	1/2	33.96	1/2	54.07	1/2	74.11	1/2	94.14	1/2	114.18	1/2	134.23	1/2	154.27	1/2	174.32	1/2	194.37	1/2	214.41	1/2	234.46	1/2	254.51	1/2	274.55	1/2	294.60
3/4	14.66	3/4	34.38	3/4	54.49	3/4	74.53	3/4	94.56	3/4	114.60	3/4	134.64	3/4	154.69	3/4	174.74	3/4	194.78	3/4	214.83	3/4	234.88	3/4	254.92	3/4	274.97	3/4	295.02
9"	15.08	9"	34.80	9"	54.91	9"	74.95	9"	94.97	9"	115.01	9"	135.06	9"	155.11	9"	175.15	9"	195.20	9"	215.25	9"	235.29	9"	255.34	9"	275.39	9"	295.43
1/4	15.48	1/4	35.21	1/4	55.33	1/4	75.37	1/4	95.39	1/4	115.43	1/4	135.48	1/4	155.53	1/4	175.57	1/4	195.62	1/4	215.67	1/4	235.71	1/4	255.76	1/4	275.81	1/4	295.85
1/2	15.89	1/2	35.63	1/2	55.75	1/2	75.78	1/2	95.81	1/2	115.85	1/2	135.90	1/2	155.94	1/2	175.99	1/2	196.04	1/2	216.08	1/2	236.13	1/2	256.18	1/2	276.22	1/2	296.27
3/4	16.30	3/4	36.05	3/4	56.17	3/4	76.20	3/4	96.22	3/4	116.27	3/4	136.31	3/4	156.36	3/4	176.41	3/4	196.45	3/4	216.50	3/4	236.55	3/4	256.59	3/4	276.64	3/4	296.69
10"	16.70	10"	36.47	10"	56.59	10"	76.62	10"	96.64	10"	116.68	10"	136.73	10"	156.78	10"	176.82	10"	196.87	10"	216.92	10"	236.96	10"	257.01	10"	277.06	10"	297.11
1/4	17.11	1/4	36.89	1/4	57.00	1/4	77.03	1/4	97.06	1/4	117.10	1/4	137.15	1/4	157.20	1/4	177.24	1/4	197.29	1/4	217.34	1/4	237.38	1/4	257.43	1/4	277.48	1/4	297.52
1/2	17.52	1/2	37.31	1/2	57.42	1/2	77.45	1/2	97.48	1/2	117.52	1/2	137.57	1/2	157.61	1/2	177.66	1/2	197.71	1/2	217.75	1/2	237.80	1/2	257.85	1/2	277.89	1/2	297.94
3/4	17.92	3/4	37.73	3/4	57.84	3/4	77.87	3/4	97.89	3/4	117.94	3/4	137.98	3/4	158.03	3/4	178.08	3/4	198.12	3/4	218.17	3/4	238.22	3/4	258.26	3/4	278.31	3/4	298.36
11"	18.33	11"	38.15	11"	58.26	11"	78.29	11"	98.31	11"	118.36	11"	138.40	11"	158.45	11"	178.50	11"	198.54	11"	218.59	11"	238.64	11"	258.68	11"	278.73	11"	298.78
1/4	18.74	1/4	38.57	1/4	58.68	1/4	78.70	1/4	98.73	1/4	118.77	1/4	138.82	1/4	158.87	1/4	178.91	1/4	198.96	1/4	219.01	1/4	239.05	1/4	259.10	1/4	279.15	1/4	299.19
1/2	19.14	1/2	38.99	1/2	59.10	1/2	79.12	1/2	99.14	1/2	119.19	1/2	139.24	1/2	159.28	1/2	179.33	1/2	199.38	1/2	219.42	1/2	239.47	1/2	259.52	1/2	279.56	1/2	299.61
3/4	19.55	3/4	39.40	3/4	59.51	3/4	79.54	3/4	99.56	3/4	119.61	3/4	139.65	3/4	159.70	3/4	179.75	3/4	199.79	3/4	219.84	3/4	239.89	3/4	259.94	3/4	279.98	3/4	300.03

15 Ft.	
0"	300.45
1/4	
1/2	
3/4	
1"	
1/4	
1/2	
3/4	
2"	
1/4	
1/2	

2

BARRELS OF 42 GALLONS

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

Date 02/19/97 CHEVRON:

Owner CHEVRON USA PROD. CO., INC.

Farm BRENNAN FEDERAL #14 UO46

¼ Sec. Dist.

Sec.

County UINTAH State UTAH

¼" INCREMENTS

Ft.	In.	Qt.	
			0.00499
0	9	0	0.41908
1	5	0	0.40687
2	11	0	0.41929
5	0	0	0.41741
15	0	0	0.41764
			300.50879

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"	19.97	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"	220.32	0"	240.36	0"	260.41	0"	280.46	0"	300.50
1/4	0.42	1/4	20.38	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	220.73	1/4	240.78	1/4	260.83	1/4	280.87	1/4	
1/2	0.84	1/2	20.78	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	221.15	1/2	241.20	1/2	261.25	1/2	281.29	1/2	
3/4	1.26	3/4	21.19	3/4	41.10	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	221.57	3/4	241.62	3/4	261.66	3/4	281.71	3/4	
1"	1.68	1"	21.60	1"	41.52	1"	61.63	1"	81.67	1"	101.71	1"	121.75	1"	141.80	1"	161.85	1"	181.89	1"	201.94	1"	221.99	1"	242.03	1"	262.08	1"	282.13	1"	
1/4	2.10	1/4	22.00	1/4	41.94	1/4	62.05	1/4	82.09	1/4	102.12	1/4	122.17	1/4	142.22	1/4	162.26	1/4	182.31	1/4	202.36	1/4	222.41	1/4	242.45	1/4	262.50	1/4	282.55	1/4	
1/2	2.51	1/2	22.41	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	202.78	1/2	222.82	1/2	242.87	1/2	262.92	1/2	282.96	1/2	
3/4	2.93	3/4	22.82	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	223.24	3/4	243.29	3/4	263.33	3/4	283.38	3/4	
2"	3.35	2"	23.22	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"	223.66	2"	243.70	2"	263.75	2"	283.80	2"	
1/4	3.77	1/4	23.63	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	224.08	1/4	244.12	1/4	264.17	1/4	284.22	1/4	
1/2	4.19	1/2	24.04	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	204.45	1/2	224.49	1/2	244.54	1/2	264.59	1/2	284.63	1/2	
3/4	4.61	3/4	24.44	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	224.91	3/4	244.96	3/4	265.00	3/4	285.05	3/4	
3"	5.03	3"	24.85	3"	44.88	3"	64.97	3"	85.01	3"	105.05	3"	125.09	3"	145.14	3"	165.19	3"	185.24	3"	205.28	3"	225.33	3"	245.38	3"	265.42	3"	285.47	3"	
1/4	5.45	1/4	25.26	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	225.75	1/4	245.79	1/4	265.84	1/4	285.89	1/4	
1/2	5.87	1/2	25.67	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	206.12	1/2	226.16	1/2	246.21	1/2	266.26	1/2	286.30	1/2	
3/4	6.29	3/4	26.07	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	226.58	3/4	246.63	3/4	266.67	3/4	286.72	3/4	
4"	6.71	4"	26.48	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"	227.00	4"	247.05	4"	267.09	4"	287.14	4"	
1/4	7.12	1/4	26.89	1/4	46.97	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	227.42	1/4	247.46	1/4	267.51	1/4	287.56	1/4	
1/2	7.54	1/2	27.29	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	207.79	1/2	227.83	1/2	247.88	1/2	267.93	1/2	287.97	1/2	
3/4	7.96	3/4	27.70	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	208.21	3/4	228.25	3/4	248.30	3/4	268.35	3/4	288.39	3/4	
5"	8.38	5"	28.11	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"	228.67	5"	248.72	5"	268.76	5"	288.81	5"	
1/4	8.80	1/4	28.53	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	229.09	1/4	249.13	1/4	269.18	1/4	289.23	1/4	
1/2	9.22	1/2	28.95	1/2	49.07	1/2	69.15	1/2	89.18	1/2	109.22	1/2	129.27	1/2	149.32	1/2	169.36	1/2	189.41	1/2	209.46	1/2	229.50	1/2	249.55	1/2	269.60	1/2	289.65	1/2	
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	209.88	3/4	229.92	3/4	249.97	3/4	270.02	3/4	290.06	3/4	
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"	230.34	6"	250.39	6"	270.43	6"	290.48	6"	
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	230.76	1/4	250.80	1/4	270.85	1/4	290.90	1/4	
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	211.13	1/2	231.18	1/2	251.22	1/2	271.27	1/2	291.32	1/2	
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	211.55	3/4	231.59	3/4	251.64	3/4	271.69	3/4	291.73	3/4	
	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"	232.01	7"	252.06	7"	272.10	7"	292.15	7"	
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	132.19	1/4	152.24	1/4	172.29	1/4	192.34	1/4	212.38	1/4	232.43	1/4	252.48	1/4	272.52	1/4	292.57	1/4	
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	212.80	1/2	232.85	1/2	252.89	1/2	272.94	1/2	292.99	1/2	
3/4	12.99	3/4	32.72	3/4	52.84	3/4	72.90	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	213.22	3/4	233.26	3/4	253.31	3/4	273.36	3/4	293.40	3/4	
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"	233.68	8"	253.73	8"	273.77	8"	293.82	8"	
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	234.10	1/4	254.15	1/4	274.19	1/4	294.24	1/4	
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	214.47	1/2	234.52	1/2	254.56	1/2	274.61	1/2	294.66	1/2	
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	214.89	3/4	234.93	3/4	254.98	3/4	275.03	3/4	295.07	3/4	
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"	215.31	9"	235.35	9"	255.40	9"	275.45	9"	295.49	9"	
1/4	15.49	1/4	35.23	1/4	55.36	1/4	75.41	1/4	95.45	1/4	115.49	1/4	135.54	1/4	155.58	1/4	175.63	1/4	195.68	1/4	215.72	1/4	235.77	1/4	255.82	1/4	275.86	1/4	295.91	1/4	
1/2	15.90	1/2	35.65	1/2	55.78	1/2	75.83	1/2	95.86	1/2	115.91	1/2	135.95	1/2	156.00	1/2	176.05	1/2	196.09	1/2	216.14	1/2	236.19	1/2	256.23	1/2	276.28	1/2	296.33	1/2	
3/4	16.31	3/4	36.07	3/4	56.20	3/4	76.24	3/4	96.28	3/4	116.32	3/4	136.37	3/4	156.42	3/4	176.46	3/4	196.51	3/4	216.56	3/4	236.60	3/4	256.65	3/4	276.70	3/4	296.75	3/4	
10"	16.71	10"	36.49	10"	56.62	10"	76.66	10"	96.70	10"	116.74	10"	136.79	10"	156.84	10"	176.88	10"	196.93	10"	216.98	10"	237.02	10"	257.07	10"	277.12	10"	297.16	10"	
1/4	17.12	1/4	36.91	1/4	57.04	1/4	77.08	1/4	97.11	1/4	117.16	1/4	137.21	1/4	157.25	1/4	177.30	1/4	197.35	1/4	217.39	1/4	237.44	1/4	257.49	1/4	277.53	1/4	297.58	1/4	
1/2	17.53	1/2	37.33	1/2	57.46	1/2	77.50	1/2	97.53	1/2	117.58	1/2	137.62	1/2	157.67	1/2	177.72	1/2	197.76	1/2	217.81	1/2	237.86	1/2	257.90	1/2	277.95	1/2	298.00	1/2	
3/4	17.93	3/4	37.75	3/4	57.88	3/4	77.91	3/4	97.95	3/4	118.00	3/4	138.04	3/4	158.09	3/4	178.14	3/4	198.18	3/4	218.23	3/4	238.28	3/4	258.32	3/4	278.37	3/4	298.42	3/4	
11"	18.34	11"	38.17	11"	58.30	11"	78.33	11"	98.37	11"	118.41	11"	138.46	11"	158.51	11"	178.55	11"	198.60	11"	218.65	11"	238.69	11"	258.74	11"	278.79	11"	298.83	11"	
1/4	18.75	1/4	38.59	1/4	58.71	1/4	78.75	1/4	98.78	1/4	118.83	1/4	138.88	1/4	158.92	1/4	178.97	1/4	199.02	1/4	219.06	1/4	239.11	1/4	259.16	1/4	279.20	1/4	299.25	1/4	
1/2	19.16	1/2	39.01	1/2	59.13	1/2	79.17	1/2	99.20	1/2	119.25	1/2	139.29	1/2	159.34	1/2	179.39	1/2	199.43	1/2	219.48	1/2	239.53	1/2	259.58	1/2	279.62	1/2	299.67	1/2	
3/4	19.56	3/4	39.43	3/4	59.55	3/4	79.58	3/4	99.62	3/4	119.67	3/4	139.71	3/4	159.76	3/4	179.81	3/4	199.85	3/4	219.90	3/4	239.95	3/4	259.99	3/4	280.04	3/4	300.09	3/4	

Form 3160-5
(June 1990)

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

5. Lease Designation and Serial No.

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

7. If Unit or CA, Agreement Designation
BRENNAN BOTTOM UNIT
14-08-001-556

1. Type of Well
Oil Well [X] Gas Well [ ] Other [ ] MULTIPLE WELLS LIST ATTACHED

8. Well Name and No.

2. Name of Operator
CHEVRON U.S.A. INC.

9. API Well No.

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

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

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

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		
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans	
[X] Subsequent Report	[ ] Recompletion	[ ] New Construction	
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing	
	[ ] Casing Repair	[ ] Water Shut-Off	
	[ ] Altering Casing	[ ] Conversion to Injection	
	[X] Other **CHANGE OF OPERATOR**	[ ] 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)

As of January 1, 2000 Chevron U.S.A. Inc. resigns as Operator of the Brennan Bottoms Unit.
The Unit number is 14-08-001-556 effectuve June 12, 1953.

The successor operator under the Unit Agreement will be
Shenandoah Energy Inc.
475 17th Street, Suite 1000
Denver, CO 80202

Agreed and accepted to this 29th day of December, 1999

Shenandoah Energy Inc.

By: Mitchell L. Solich
Mitchell L. Solich
President

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DEC 30 1999
DIVISION OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.
Signed **A. E. Wacker** A. E. Wacker Title **Assistant Secretary** Date **12/29/1999**

(This space for Federal or State office use)

Approved by: Title Date

Conditions of approval, if any

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or 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

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

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

Enter date after each listed item is completed

X **Change of Operator (Well Sold)** Designation of Agent

Operator Name Change (Only) Merger

The operator of the well(s) listed below has changed, effective: **01/01/2000**

FROM: (Old Operator):	**TO:** (New Operator):
CHEVRON USA INC	SHENANDOAH ENERGY INC
Address: 11002 E. 17500 S.	Address: 11002 E. 17500 S.
VERNAL, UT 84078-8526	VERNAL, UT 84078
Phone: 1-(435)-781-4300	Phone: 1-(435)-781-4300
Account No. N0210	Account No. N4235

CA No. **Unit:** **BRENNAN BOTTOM**

WELL(S)

NAME	API	ENTITY	SECTION	TOWNSHIP	RANGE	LEASE
BRENNAN FEDERAL # 5 (WIW)	43-047-15420	5261	18	07S	21E	FEDERAL
BRENNAN FEDERAL # 6	43-047-30109	5261	19	07S	21E	FEE
BRENNAN FEDERAL # 11 (WIW)	43-047-32772	5261	18	07S	21E	FEDERAL
BRENNAN FEDERAL 1	43-047-15417	5260	13	07S	20E	FEDERAL
BRENNAN FEDERAL 9	43-047-32477	5261	18	07S	21E	FEDERAL
BRENNAN FEDERAL 10	43-047-32771	5261	19	07S	21E	STATE
BRENNAN FEDERAL 12	43-047-32779	5261	18	07S	21E	FEDERAL
BRENNAN FEDERAL 14	43-047-32774	5261	18	07S	21E	FEDERAL

OPERATOR CHANGES DOCUMENTATION

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 12/30/1999
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 08/09/2000
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database on:** 08/15/2000

4. Is the new operator registered in the State of Utah: YES Business Number: 224885

5. If **NO**, the operator was contacted contacted on: _____

6. **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: 02/04/2000

7. **Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: N/A

8. **Federal and Indian Communization Agreements ("CA"):** The BLM or the BIA has approved the operator change for all wells listed involved in a CA on: N/A

9. **Underground Injection Control ("UIC"** 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: 08/15/2000

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 08/15/2000

2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 08/15/2000

3. Bond information entered in RBDMS on: N/A

4. Fee wells attached to bond in RBDMS on: N/A

STATE BOND VERIFICATION:

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

FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed has furnished a bond on: 06/05/2000

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

3. (R649-2-10) The **FORMER** operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 08/15/2000

FILMING:

1. All attachments to this form have been **MICROFILMED** on: 3.5.01

FILING:

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

COMMENTS:

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

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 it 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

QUESTAR

Questar Exploration and Production Company
Independence Plaza
1050 17th Street, Suite 500
Denver, CO 80265
Tel 303 672 6900 • Fax 303 294 9632

Denver Division

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 ([redacted]235) to QEP (N2460) BRENNAN BOTTO[redacted]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	

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING
1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold) — Designation of Agent/Operator

X Operator Name Change — Merger

The operator of the well(s) listed below has changed, effective: **2/1/2003**

FROM: (Old Operator):	**TO:** (New Operator):
N4235-Shenandoah Energy Inc 11002 E 17500 S Vernal, UT 84078-8526 Phone: (435) 781-4341	N2460-QEP Uinta Basin Inc 11002 E 17500 S Vernal, UT 84078-8526 Phone: (435) 781-4341

CA No. **Unit:** **BRENNAN BOTTOM**

WELL(S)

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	Confid
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	

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/2/2003
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/2/2003
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 6/19/2003
4. Is the new operator registered in the State of Utah: YES Business Number: 5292864-0151
5. If **NO**, the operator was contacted contacted on:

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:

JUL 0 7 2003

3104 (932.34)WF
Nationwide Bond ESB000024

NOTICE

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

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 Unita Basin
MFO

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING

FORM 3

APPLICATION FOR PERMIT TO DRILL

5. MINERAL LEASE NO: **U-046**	6. SURFACE: **FED.**
7. IF INDIAN, ALLOTTEE OR TRIBE NAME: **N/A**	
8. UNIT or CA AGREEMENT NAME: **BRENNAN BOTTOM UNIT**	
9. WELL NAME and NUMBER: **BRENNAN 14**	
10. FIELD AND POOL, OR WILDCAT: **BRENNAN BOTTOM** 560	
11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: **NWNW 18 7S 21E**	
12. COUNTY: **UINTAH**	13. STATE: **UTAH**

1A. TYPE OF WORK: DRILL ☐ RE-ENTER ☐ DEEPEN ☐

B. TYPE OF WELL ☑ OIL ☐ GAS OTHER _____ ☐ SINGLE ZONE ☑ MULTIPLE ZONE

2. NAME OF OPERATOR: **QEP Uinta Basin, Inc.** Contact: **Jan Nelson**

3. ADDRESS OF OPERATOR: **1571 E. 1700 S.** CITY **VERNAL** STATE **UT** ZIP **84078** PHONE NUMBER: **(435) 781-4032**

4. LOCATION OF WELL (FOOTAGES)

AT SURFACE: **744' FNL 461' FWL (LOT 1)**

AT PROPOSED PRODUCING ZONE: **1459' FSL 397' FWL (LOT 3) NWSW SECTION 18, T7S, R21E**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: **28 + \ - MILES SOUTHWEST OF VERNAL, UTAH**

15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE(FEET): **461' + / -**	16. NUMBER OF ACRES IN LEASE: **160**	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: **40**
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET)	19. PROPOSED DEPTH: **9,441' MD**	20. BOND DESCRIPTION: **ESB000024**
21. ELEVATIONS (SHOW WHETHER DF, RT, GR,ETC.): **4810.8' 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) LT&C	622'	SEE 8-POINT DRILLING
7 7/8"	5 1/2"	L-80	17.0 lb/ft (new) LT&C	7,455'	

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 Assistant

SIGNATURE Laura Bills DATE 4/9/07

(This space for State use only)

API NUMBER ASSIGNED: **API # 43-047-32774**

Approved by the Utah Division of Oil, Gas and Mining

APPROVAL:

Date: 04-16-07

By:

(11/2001) **Federal Approval of this Action Is Necessary** (See Instructions on Reverse Side)

CONFIDENTIAL

RECEIVED

APR 12 2007

DIV. OF OIL, GAS & MINING

Surf 618646X 4452516Y 40.216561 -109.605687

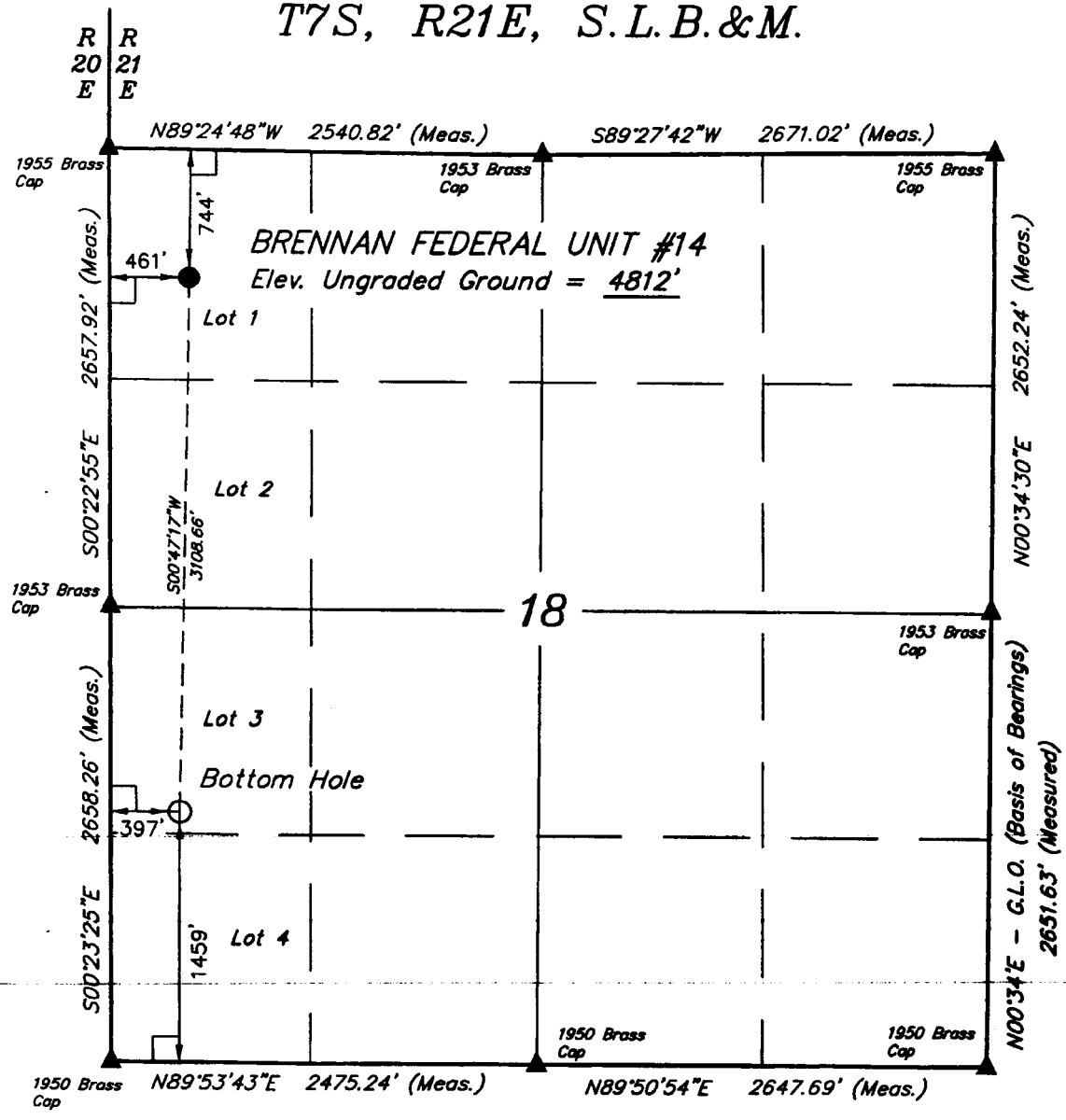
PBHL 618662X 4451571Y 40.208051 -109.605677

QUESTAR EXPR. & PROD.

Well location, BRENNAN FEDERAL UNIT #14, located as shown in Lot 1 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.

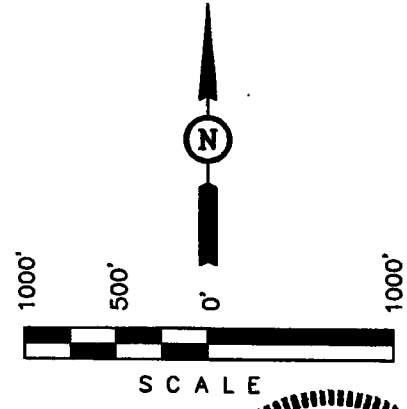


LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.



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
REGISTRATION NO. 161319
STATE OF UTAH

REVISED: 04-05-07 C.G.
REVISED: 04-04-07 C.G.

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

SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	6-19-96	6-20-96
PARTY: B.B. M.C. C.B.T.	REFERENCES: G.L.O. PLAT	
WEATHER: HOT	FILE: QUESTAR EXPR. & PROD.	

CONFIDENTIAL

FORM 9

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

5. LEASE DESIGNATION AND SERIAL NUMBER: U-046

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

7. UNIT or CA AGREEMENT NAME: BRENNAN BOTTOM

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

8. WELL NAME and NUMBER: BRENNAN FED. 14

2. NAME OF OPERATOR: QEP UINTA BASIN, INC

9. API NUMBER: 4304732774

3. ADDRESS OF OPERATOR: 1571 E. 1700 S. CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-4032

10. FIELD AND POOL, OR WILDCAT: BRENNAN BOTTOM

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 744' FNL 461' FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 18 7S 21E

STATE: UTAH

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

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

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

QEP Uinta Basin, Inc. hereby requests to change the well name from BRENNAN FED 14 to BRENNAN 14.

RECEIVED
APR 12 2007
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Laura Bills TITLE Regulatory Assistant

SIGNATURE Laura Bills DATE 4/4/2007

(This space for State use only)

(5/2000) (See Instructions on Reverse Side)

Additional Operator Remarks

QEP Uinta Basin, Inc. proposes to drill a re-entry well to 9,616' MD to test the Green River Formation. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per BLM and State of Utah requirement.

See Onshore Order No. 1 attached

Please be advised that QEP 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 QEP via surety as consent as provided for the 43 CFR 3104.2.

PLEASE FIND ATTACHED:

1. Re-Entry Procedure
2. Weatherford Drilling Proposal
3. 8-Point Drilling Program
4. Proposed Well Bore Diagram
5. Legal Plat/Map Prepared By UELS
6. Location Layout Refering To Reserve Pit

ONSHORE OIL & GAS ORDER NO. 1
QEP UINTA BASIN, INC
Brennan 14 Re-Entry

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:

Formation	Depth, TVD	Depth, MD
Green River	3,449'	3,449'
Kick Off Point	6,373'	6,373'
Green River (G1 Lime)	6,784'	7,060'
TD	6,731'	9,441'

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

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

Substance	Formation	Depth, TVD	Depth, MD
Oil/Gas	Green River (G1 Lime)	6,784'	7,060' – 9,441'

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 ¼"	8 5/8"	622'	24.0	K-55
7 7/8"	5 ½"	7,455'	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

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 logs and 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 H_2S 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 130°F.

QUESTAR EXPLORATION AND PRODUCTION

Brennan 14
API: 43-047-32774
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 280 rods (1 - $^{7}/_{8}$" 2' plain, 1 - $^{7}/_{8}$" 4' plain, 117 - $^{7}/_{8}$" plain, & 163 - ¾" plain) and 25 x 150 x RHAC x 20 x 6 x 2 W/ 10' Dip Tube pump.
6. Unseat tubing anchor and POOH with 225 jts 2 $^{7}/_{8}$" 6.5# J-55 tubing, TAC, PSN, T-Anchor.
7. PU bit and 5 ½" casing scraper, RIH to 6,500'.
8. Roll hole with KCl water, TOOH with bit and scraper.
9. RU wireline truck and RIH with CIBP.
10. Set top of CIBP @ +/- 6,391', 12' above nearest collar @ 6,403'.
11. ND BOP's
12. RD pulling unit, move off location.
13. MIRU drilling rig.
14. NU rig's 3,000 WP rated BOP.
15. RIH with whipstock, set and orient whipstock.
16. TIH with milling BHA, mill window in 5 ½" casing @ 6,379'.
17. TOOH, PU directional BHA, TIH.
18. Drill well at a 180.59° azimuth with 12.57°/100' build rates to land in G1 Lime formation at a TVD of +/- 6,784'.
19. Drill +/- 2,709' 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.
20. Circulate and condition hole, TOOH, LDDP.
    a. Lateral will be left as open hole, therefore no casing or cement are required
21. RIH and set CBP @ +/- 5,000' to isolate lateral.
22. ND BOP's
23. RDMOL

Weatherford®

Drilling Services

Proposal

QUESTAR EXPLORATION & PRODUCTION

BRENNAN FEDERAL 14

UINTAH COUNTY, UTAH

WELL FILE:PLAN 4

MARCH 26, 2007

Weatherford International, Ltd.
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QUESTAR

Weatherford

BRENNAN FEDERAL 14
744' FNL, 461' FWL
SEC 18 T7S R21E

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	5234.00	5.61	237.70	5233.38	-51.10	14.01	0.00	0.00	50.77	
2	6379.06	5.61	181.59	6372.96	-144.53	-39.15	0.48	-90.00	145.39	
3	7060.27	91.26	180.59	6784.00	-608.02	-44.62	12.57	-1.01	608.89	
4	9440.59	91.26	180.59	6731.64	-2987.64	-68.98	0.00	0.00	2988.44	PBHL- TARGET

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
BF 14	0.00	0.00	8700445.74	2138731.68	44°11'05.446N	109°36'20.323W	N/A

FIELD DETAILS

UINTAH COUNTY, UTAH

Geodetic System: US State Plane Coordinate System 1983
Ellipsoid: GRS 1980
Zone: Utah, Central Zone
Magnetic Model: bggm2006

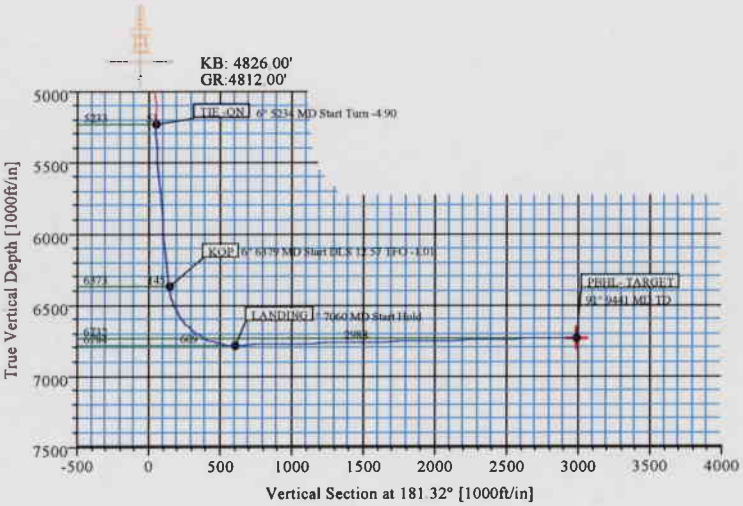
System Datum: Mean Sea Level
Local North: True North

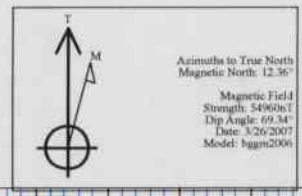
SITE DETAILS

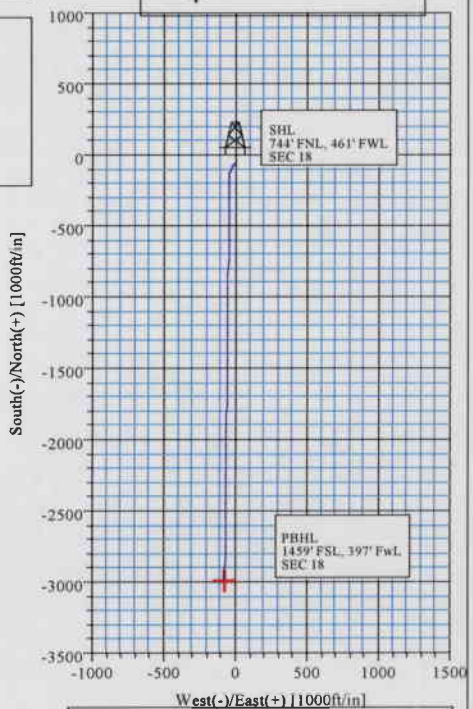
BRENNAN FEDERAL 14

Site Centre Latitude: 44°11'05.446N
Longitude 109°36'20.323W

Ground Level: 4812.00
Positional Uncertainty 0.00
Convergence 1.21







Plan: Plan #4 (BF 14/1)

Created By: Robert Vialpando Date: 4/9/2007

Checked: Date:

Weatherford International, Ltd.
Planning Report

Company:	QUESTAR	**Date:** 4/9/2007 **Time:** 11:14:08	**Page:** 1
Field:	UINTAH COUNTY, UTAH	**Co-ordinate(NE) Reference:**	Site: BRENNAN FEDERAL 14, True North
Site:	BRENNAN FEDERAL 14	**Vertical (TVD) Reference:**	SITE 4826.0
Well:	BF 14	**Section (VS) Reference:**	Well (0.00N,0.00E,181.32Azi)
Wellpath:	1	**Plan:**	Plan #4

Field: UINTAH COUNTY, UTAH

Map System:	US State Plane Coordinate System 1983	**Map Zone:**	Utah, Central Zone
Geo Datum:	GRS 1980	**Coordinate System:**	Site Centre
Sys Datum:	Mean Sea Level	**Geomagnetic Model:**	bggm2006

Site: BRENNAN FEDERAL 14

Site Position:		**Northing:**	8700445.74 ft	**Latitude:**	44	11	5.446 N
From:	Geographic	**Easting:**	2138731.68 ft	**Longitude:**	109	36	20.323 W
Position Uncertainty:	0.00 ft			**North Reference:**			True
Ground Level:	4812.00 ft			**Grid Convergence:**			1.21 deg

Well: BF 14 **Slot Name:**

Well Position:	+N/-S	0.00 ft	**Northing:**	8700445.74 ft	**Latitude:**	44	11	5.446 N
	+E/-W	0.00 ft	**Easting :**	2138731.68 ft	**Longitude:**	109	36	20.323 W
Position Uncertainty:		0.00 ft						

Wellpath: 1

Drilled From:	Surface		
Tie-on Depth:	0.00 ft		
Current Datum:	SITE	**Height**	4826.00 ft
Above System Datum:	Mean Sea Level		
Magnetic Data:	3/26/2007		
Declination:	12.36 deg		
Field Strength:	54960 nT		
Mag Dip Angle:	69.34 deg		

Vertical Section: Depth From (TVD) ft	+N/-S ft	+E/-W ft	Direction deg
0.00	0.00	0.00	181.32

Plan: Plan #4 **Date Composed:** 4/3/2007

Version: 1

Principal: Yes **Tied-to:** From: Definitive Path

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
5234.00	5.61	237.70	5233.38	-51.10	14.01	0.00	0.00	0.00	0.00	
6379.06	5.61	181.59	6372.96	-144.53	-39.15	0.48	0.00	-4.90	-90.00	
7060.27	91.26	180.59	6784.00	-608.02	-44.62	12.57	12.57	-0.15	-1.01	
9440.59	91.26	180.59	6731.64	-2987.64	-68.98	0.00	0.00	0.00	0.00	PBHL- TARGET

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
5234.00	5.61	237.70	5233.38	-51.10	14.01	50.77	0.00	0.00	0.00	TIE -ON
5300.00	5.61	234.46	5299.07	-54.70	8.66	54.49	0.48	0.00	-4.90	MWD
5400.00	5.61	229.56	5398.59	-60.72	0.96	60.68	0.48	0.00	-4.90	MWD
5500.00	5.61	224.66	5498.11	-67.37	-6.20	67.49	0.48	0.00	-4.90	MWD
5600.00	5.61	219.76	5597.63	-74.60	-12.76	74.88	0.48	0.00	-4.90	MWD
5700.00	5.61	214.86	5697.15	-82.37	-18.68	82.78	0.48	0.00	-4.90	MWD
5800.00	5.61	209.96	5796.67	-90.62	-23.92	91.15	0.48	0.00	-4.90	MWD
5900.00	5.61	205.06	5896.19	-99.29	-28.44	99.92	0.48	0.00	-4.90	MWD
6000.00	5.61	200.16	5995.71	-108.31	-32.19	109.02	0.48	0.00	-4.90	MWD
6100.00	5.61	195.26	6095.24	-117.61	-35.17	118.39	0.48	0.00	-4.90	MWD
6200.00	5.61	190.36	6194.76	-127.14	-37.33	127.97	0.48	0.00	-4.90	MWD
6300.00	5.61	185.46	6294.28	-136.82	-38.68	137.67	0.48	0.00	-4.90	MWD
6379.06	5.61	181.59	6372.96	-144.53	-39.15	145.39	0.48	0.00	-4.90	KOP
6400.00	8.24	181.27	6393.75	-147.05	-39.21	147.92	12.57	12.57	-1.54	MWD
6425.00	11.38	181.08	6418.38	-151.31	-39.30	152.18	12.57	12.57	-0.76	MWD
6450.00	14.53	180.97	6442.74	-156.91	-39.40	157.78	12.57	12.57	-0.44	MWD
6475.00	17.67	180.90	6466.75	-163.84	-39.51	164.71	12.57	12.57	-0.28	MWD

Weatherford International, Ltd.
Planning Report

Company:	QUESTAR	**Date:** 4/9/2007 **Time:** 11:14:08 **Page:**	2
Field:	UINTAH COUNTY, UTAH	**Co-ordinate(NE) Reference:** Site: BRENNAN FEDERAL 14, True North	
Site:	BRENNAN FEDERAL 14	**Vertical (TVD) Reference:** SITE 4826.0	
Well:	BF 14	**Section (VS) Reference:** Well (0.00N,0.00E,181.32Azi)	
Wellpath:	1	**Plan:** Plan #4	

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
6500.00	20.81	180.85	6490.35	-172.08	-39.64	172.95	12.57	12.57	-0.20	MWD
6525.00	23.96	180.81	6513.47	-181.60	-39.77	182.47	12.57	12.57	-0.15	MWD
6550.00	27.10	180.78	6536.02	-192.37	-39.92	193.24	12.57	12.57	-0.12	MWD
6575.00	30.24	180.76	6557.95	-204.37	-40.08	205.24	12.57	12.57	-0.09	MWD
6600.00	33.39	180.74	6579.20	-217.54	-40.26	218.41	12.57	12.57	-0.08	MWD
6625.00	36.53	180.72	6599.68	-231.86	-40.44	232.74	12.57	12.57	-0.07	MWD
6650.00	39.67	180.71	6619.35	-247.29	-40.63	248.16	12.57	12.57	-0.06	MWD
6675.00	42.82	180.69	6638.15	-263.77	-40.83	264.64	12.57	12.57	-0.05	MWD
6700.00	45.96	180.68	6656.01	-281.25	-41.04	282.12	12.57	12.57	-0.04	MWD
6725.00	49.11	180.67	6672.89	-299.69	-41.26	300.56	12.57	12.57	-0.04	MWD
6750.00	52.25	180.66	6688.73	-319.03	-41.49	319.90	12.57	12.57	-0.04	MWD
6775.00	55.39	180.66	6703.48	-339.20	-41.72	340.07	12.57	12.57	-0.03	MWD
6800.00	58.54	180.65	6717.11	-360.16	-41.96	361.03	12.57	12.57	-0.03	MWD
6825.00	61.68	180.64	6729.57	-381.83	-42.20	382.70	12.57	12.57	-0.03	MWD
6850.00	64.82	180.63	6740.82	-404.15	-42.45	405.02	12.57	12.57	-0.03	MWD
6875.00	67.97	180.63	6750.83	-427.05	-42.70	427.92	12.57	12.57	-0.03	MWD
6900.00	71.11	180.62	6759.57	-450.47	-42.96	451.34	12.57	12.57	-0.02	MWD
6925.00	74.25	180.62	6767.01	-474.33	-43.22	475.20	12.57	12.57	-0.02	MWD
6950.00	77.40	180.61	6773.13	-498.56	-43.48	499.44	12.57	12.57	-0.02	MWD
6975.00	80.54	180.61	6777.91	-523.10	-43.74	523.97	12.57	12.57	-0.02	MWD
7000.00	83.68	180.60	6781.35	-547.86	-44.00	548.73	12.57	12.57	-0.02	MWD
7025.00	86.83	180.59	6783.41	-572.77	-44.26	573.64	12.57	12.57	-0.02	MWD
7050.00	89.97	180.59	6784.11	-597.75	-44.51	598.62	12.57	12.57	-0.02	MWD
7060.27	91.26	180.59	6784.00	-608.02	-44.62	608.89	12.57	12.57	-0.02	LANDING
7100.00	91.26	180.59	6783.13	-647.74	-45.03	648.61	0.00	0.00	0.00	MWD
7200.00	91.26	180.59	6780.93	-747.71	-46.05	748.57	0.00	0.00	0.00	MWD
7300.00	91.26	180.59	6778.73	-847.68	-47.07	848.54	0.00	0.00	0.00	MWD
7400.00	91.26	180.59	6776.53	-947.65	-48.10	948.51	0.00	0.00	0.00	MWD
7500.00	91.26	180.59	6774.33	-1047.62	-49.12	1048.48	0.00	0.00	0.00	MWD
7600.00	91.26	180.59	6772.13	-1147.59	-50.14	1148.44	0.00	0.00	0.00	MWD
7700.00	91.26	180.59	6769.93	-1247.56	-51.17	1248.41	0.00	0.00	0.00	MWD
7800.00	91.26	180.59	6767.73	-1347.53	-52.19	1348.38	0.00	0.00	0.00	MWD
7900.00	91.26	180.59	6765.53	-1447.50	-53.21	1448.35	0.00	0.00	0.00	MWD
8000.00	91.26	180.59	6763.33	-1547.47	-54.24	1548.31	0.00	0.00	0.00	MWD
8100.00	91.26	180.59	6761.13	-1647.45	-55.26	1648.28	0.00	0.00	0.00	MWD
8200.00	91.26	180.59	6758.93	-1747.42	-56.28	1748.25	0.00	0.00	0.00	MWD
8300.00	91.26	180.59	6756.73	-1847.39	-57.31	1848.22	0.00	0.00	0.00	MWD
8400.00	91.26	180.59	6754.53	-1947.36	-58.33	1948.18	0.00	0.00	0.00	MWD
8500.00	91.26	180.59	6752.33	-2047.33	-59.35	2048.15	0.00	0.00	0.00	MWD
8600.00	91.26	180.59	6750.13	-2147.30	-60.38	2148.12	0.00	0.00	0.00	MWD
8700.00	91.26	180.59	6747.93	-2247.27	-61.40	2248.09	0.00	0.00	0.00	MWD
8800.00	91.26	180.59	6745.73	-2347.24	-62.42	2348.05	0.00	0.00	0.00	MWD
8900.00	91.26	180.59	6743.53	-2447.21	-63.45	2448.02	0.00	0.00	0.00	MWD
9000.00	91.26	180.59	6741.33	-2547.18	-64.47	2547.99	0.00	0.00	0.00	MWD
9100.00	91.26	180.59	6739.13	-2647.15	-65.49	2647.96	0.00	0.00	0.00	MWD
9200.00	91.26	180.59	6736.93	-2747.12	-66.52	2747.92	0.00	0.00	0.00	MWD
9300.00	91.26	180.59	6734.73	-2847.09	-67.54	2847.89	0.00	0.00	0.00	MWD
9400.00	91.26	180.59	6732.53	-2947.06	-68.56	2947.86	0.00	0.00	0.00	MWD
9440.59	91.26	180.59	6731.64	-2987.64	-68.98	2988.44	0.00	0.00	0.00	PBHL- TARGET

Weatherford International, Ltd.
Planning Report

Company:	QUESTAR	**Date:** 4/9/2007 **Time:** 11:14:08	**Page:** 3
Field:	UINTAH COUNTY, UTAH	**Co-ordinate(NE) Reference:**	Site: BRENNAN FEDERAL 14, True North
Site:	BRENNAN FEDERAL 14	**Vertical (TVD) Reference:**	SITE 4826.0
Well:	BF 14	**Section (VS) Reference:**	Well (0.00N,0.00E,181.32Azi)
Wellpath:	1	**Plan:**	Plan #4

Targets

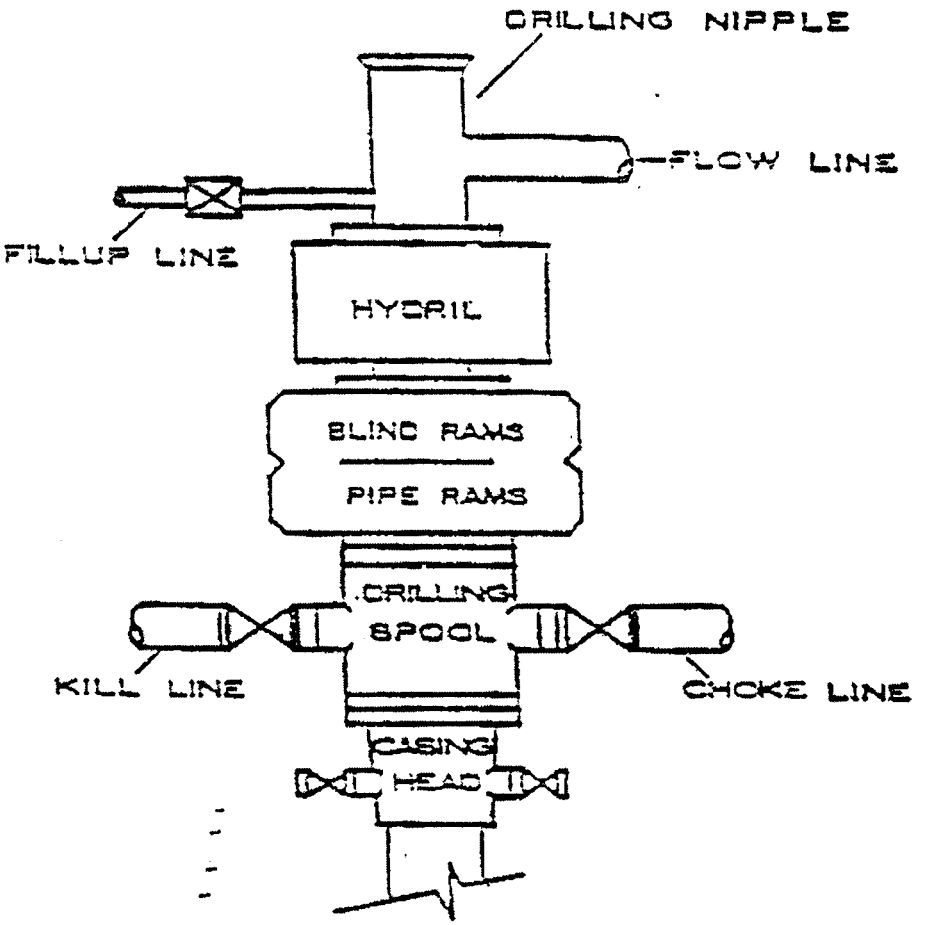
Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<---- Latitude ----> Deg Min Sec	<--- Longitude ---> Deg Min Sec
PBHL- TARGET			6731.64	-2987.64	-68.98	8697457.30	2138725.99	44 10 36.026 N	109 36 21.267 W

Annotation

MD ft	TVD ft	
5234.00	5233.38	TIE -ON
6379.06	6372.96	KOP
7060.27	6784.00	LANDING
9440.59	6731.64	PBHL

DRILLING PROGRAM

SCHEMATIC DIAGRAM OF 3,000 PSI BOP STACK



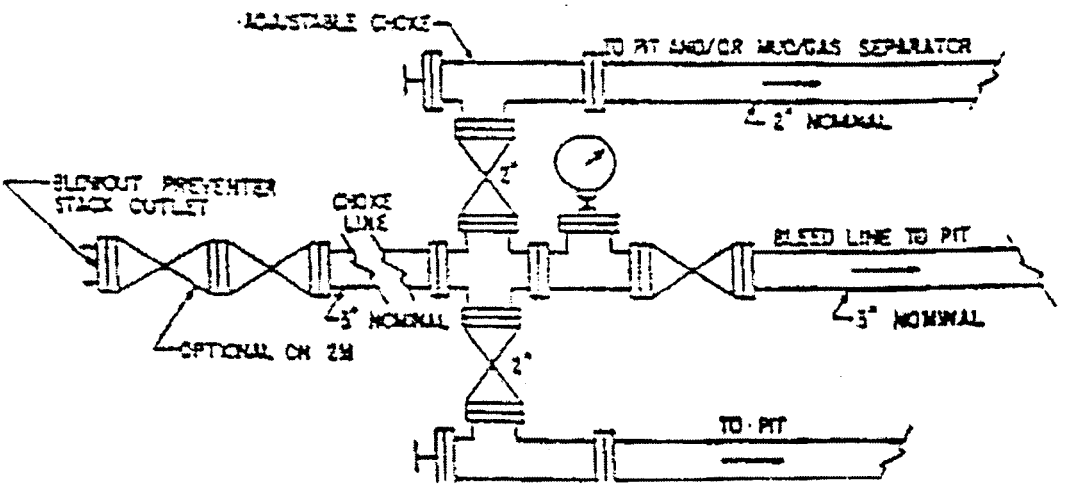
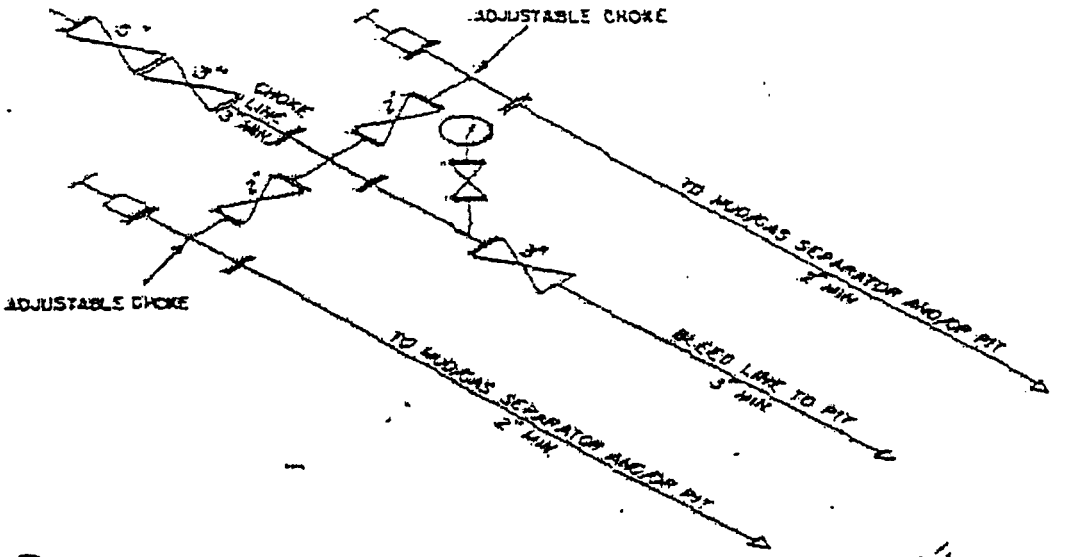


EXHIBIT A CONTINUED



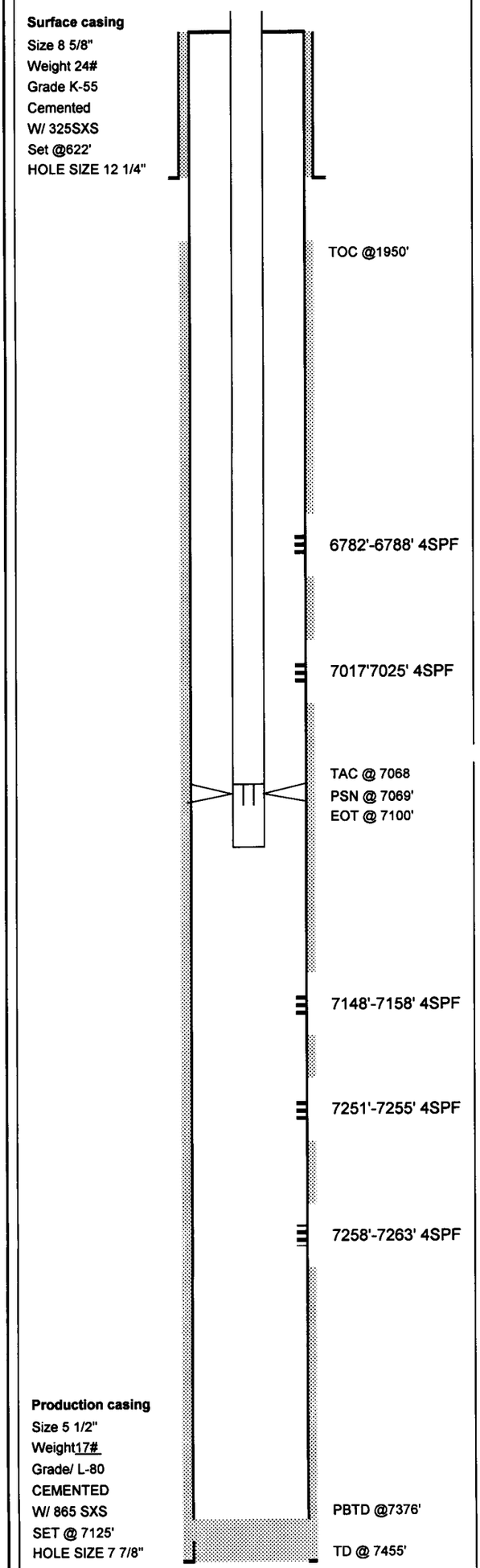
(1) 3M CHOKE MANIFOLD EQUIPMENT — CONFIGURATION OF CHOKES MAY VARY

FIELD:REDWASH	GL:4812 KBE: 4826'	Start Date:1/11/97	Finsh Date1/29/97
WELL NAME: BREN-14	TD:7455' PBTD:7376'	Current Well Status:OIL	

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

Reason for Pull/Workover:
COMPLETED TO NEW PRODUCER

Wellbore Schematic



Tubing Landing Detail:

Description	Size	Footage	Depth
KB to Tbg Head		14.00	14.00
STRETCH		2.00	16.00
225 JNTS	2 7/8"	7049.53	7065.53
TAC	5.5	2.73	7068.26
PSN	2.25	1.10	7069.36
3" MUD ANCHOR	3"	31.20	7100.56
EOT			0

TUBING INFORMATION 2 3/8 " 8RD EUE
Condition:
New: ____ Used: X Rerun: ____
Grade: J-55
Weight (#/ft): 6.5

Sucker Rod Detail: 2'&4' 7/8" SUBS AND 1.50X30' POLISH ROD.

Size	#Rods	Centralized
1"	N/A	
7/8"	117	YES
3/4"	163	PLAIN

Rod Information
Condition:
New: X Used: X Rerun: ___
Grade:
Manufacture:

Pump Information:
API Designation 25 x 150 x RHAC X 20 X 6 X 2 W/ 10' DIP TUBE
Example: 25 x 150 x RHAC X 20 X 6 X 2
PUMP SN# R-344
ORIGINAL RUN DATE ########
RERUN ____ NEW RUN X

ESP Well
Cable Size:
Pump Intake @ '
End of Pump @ '

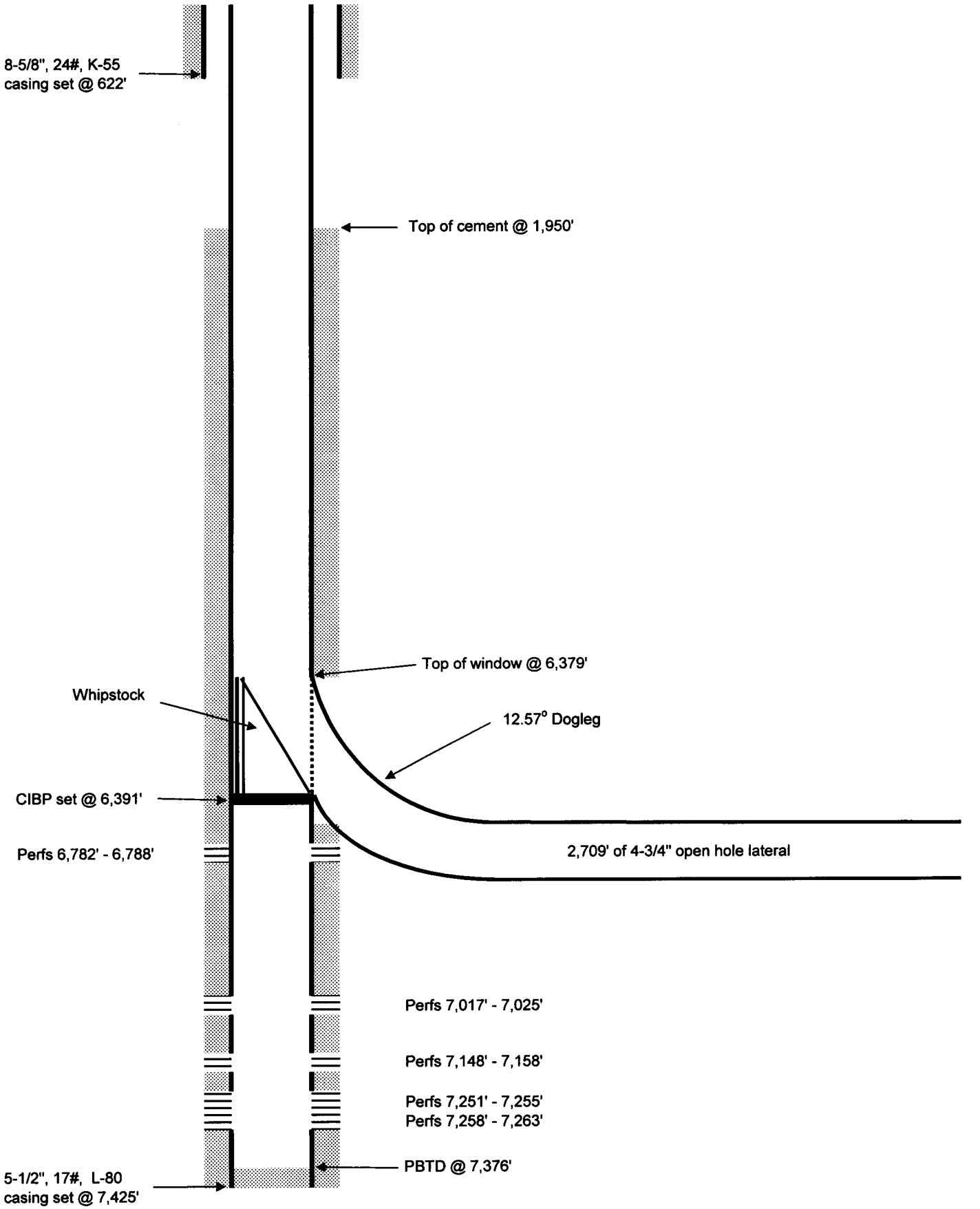
Flowing Well
RN @ 1.81"
PKR @
EOT @

Wellhead Detail:
7 1/16" 2000#
7 1/16" 3000# X
7 1/16" 5000#
Other: 10"
Hanger: Yes ____ No X

SUMMERY
1. RAN HALCO DUAL SPACED NEUTRON AND CBL 1/8/97
2. PERFS 4SPF @ 90 DEG PHASING, @7148'-7158' AND7251'-7255 'AND 7258'-7262'
3. SAND FRACTURED @7148'-7263' W/20/40 SAND, SCREENED OUT W/ 5200 LBS IN FORMATION.
4. CLO & SWABBED BACK FRAC LOAD.
5. PERFORATED @ 7017'-7025' W/ 4SPF @ 90 DEG PHASING.
6. ACIDIZED @ 7017'-7025' W/ 2500 GALS OF 28% HCL.
7. PERFORATED @ 6782'-6788' W/ 4SPF @ 90 DEG PHASING.
8. ACIDIZED W/ 2500 GALS OF 28% HCL.
9. EQUIP TO PUMP.

Prepared By: STEVE KEBERT Date1/29/97

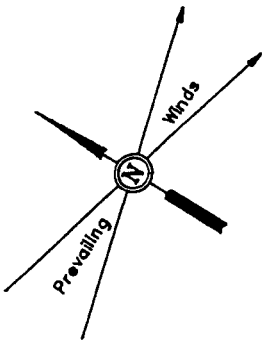
Brennan 14 Re-Entry Horizontal Well



CHEVRON USA., INC.

LOCATION LAYOUT FOR

BRENNAN FEDERAL UNIT #14
SECTION 18, T7S, R21E, S.L.B.&M.
744' FNL 461' FWL



REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
ROBERT L. KAY
STATE OF UTAH

SCALE: 1" = 50'
DATE: 6-20-96
Drawn By: C.B.T.

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

Flare Pit

C-0.7'
El. 11.5'

GRADE
El. 10.8'

APPROX. TOE OF FILL SLOPE

El. 08.1'
F-2.7'

Sta. 3+45

40'

175'

DATA

CATWALK

PIPE RACKS

El. 14.9'
C-12.1'
(Btm. Pit)

El. 12.7'
C-1.9'

C-1.5'
El. 12.3'

Topsoil Stockpile

70'

10'

40'

RIG

DOG HOUSE

130'

Sta. 1+70

APPROX. TOP OF CUT SLOPE

MUD TANKS

WATER

El. 08.5'
F-2.3'

RESERVE PIT
8' DEEP

PUMP

TRAILER

150'

PIT CAPACITY WITH 2' OF FREEBOARD = 7,960 Bbls.

1 1/2:1 (TYP.)

MUD SHED

170'

TOILET

HOPPER

FUEL

POWER

TOOLS

TRASH

FUEL

Reserve Pit Backfill & Spoils Stockpile

Sta. 0+42

STORAGE TANK

El. 12.7'
C-1.9'

30'

El. 15.3'
C-12.5'
(Btm. Pit)

Sta. 0+00

C-1.4'
El. 12.2'

C-0.4'
El. 11.2'

El. 07.2'
F-3.6'

Proposed Access Road

FIGURE #1

Elev. Ungraded Ground at Location Stake = 4812.3'

Elev. Graded Ground at Location Stake = 4810.8'

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

Lessee's or Operator's Representative:

Laura Bills
Red Wash Rep.
QEP Uinta Basin, Inc.
1571 E. 1700 S.
Vernal, Utah 84078
(435) 781-4031

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 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 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.

Laura Bills
Laura Bills
Red Wash Representative

09-Apr-07
Date

WORKSHEET

APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 04/12/2007

API NO. ASSIGNED: 43-047-32774

WELL NAME: BRENNAN 14

OPERATOR: QEP UINTA BASIN, INC. (N2460)

PHONE NUMBER: 435-781-4032

CONTACT: LAURA BILLS

PROPOSED LOCATION:

NWNW 18 070S 210E

SURFACE: 0744 FNL 0461 FWL

BOTTOM: 1459 FSL 0397 FWL

COUNTY: UINTAH

LATITUDE: 40.21656 LONGITUDE: -109.6057

UTM SURF EASTINGS: 618646 NORTHINGS: 4452516

FIELD NAME: BRENNAN BOTTOM (560)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: U-046

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

✓ Plat

✓ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. ESB000024)

N Potash (Y/N)

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

✓ Water Permit
(No. 49-2153)

N RDCC Review (Y/N)
(Date:)

N/A Fee Surf Agreement (Y/N)

N/A 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:

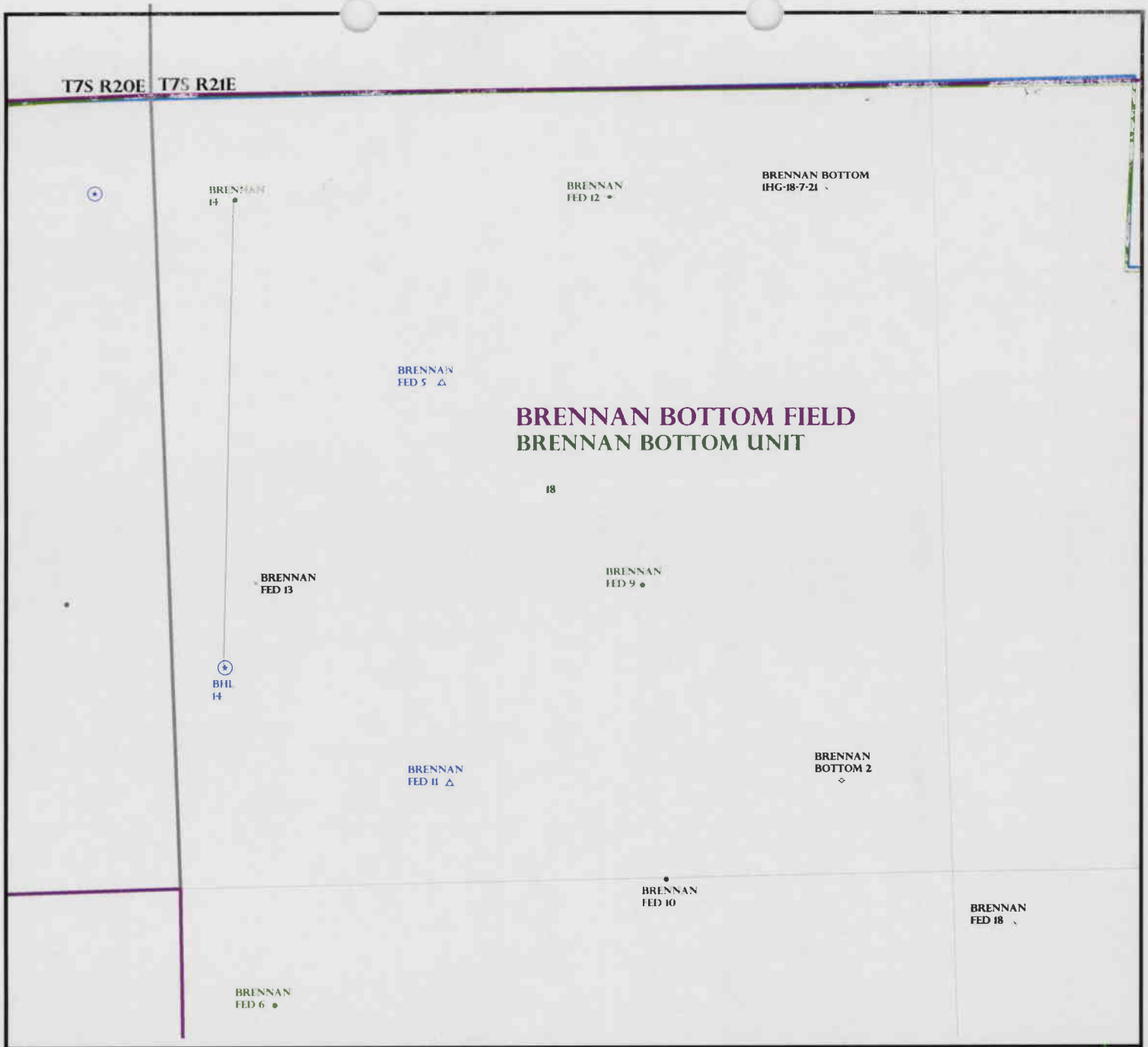
Eff Date:

Siting:

___ R649-3-11. Directional Drill

COMMENTS:

STIPULATIONS: 1- Federal Approval



OPERATOR: QEP UINTAH BASIN (N2460)

SEC: 18 T.7S R. 21E

FIELD: BRENNAN BOTTOM (560)

COUNTY: UINTAH

SPACING: 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

Utah Oil Gas and Mining

N
W E
S

PREPARED BY: DIANA MASON

DATE: 13-APRIL-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)

April 16, 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 is planned as a horizontal completion in calendar year 2007 within the Brennan Bottom Unit, Uintah County, Utah

API #	WELL NAME	LOCATION

(Proposed PZ Green River)

43-047-32774 Brennan 14 Sec 18 T07S R21E 0744 FNL 0461 FWL
BHL Sec 18 T07S R21E 1459 FSL 0397 FWL

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:4-16-07

State of Utah

Department of Natural Resources

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

April 16, 2007

QEP Uinta Basin, Inc.
1571 E 1700 S
Vernal, UT 84078

Re: Brennan 14 Well, Surface Location 744' FNL, 461' FWL, NW NW, Sec. 18, T. 7 South, R. 21 East, Bottom Location 1459' FSL, 397' FWL, NW SW, 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 43-047-32774.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

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

Operator: QEP Uinta Basin, Inc.

Well Name & Number Brennan 14

API Number: 43-047-32774

Lease: U-046

Surface Location:	NW NW	Sec. 18	T. 7 South	R. 21 East
Bottom Location:	NW SW	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 with 24 hours of spudding the well.

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

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

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

3. Reporting Requirements

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

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

5. 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.

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

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 4/19/2007
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/16/2007
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 1/31/2005

4a. Is the new operator registered in the State of Utah: Business Number: 764611-0143

5a. (R649-9-2)Waste Management Plan has been received on: IN PLACE

5b. Inspections of LA PA state/fee well sites complete on: n/a

5c. Reports current for Production/Disposition & Sundries on: n/a

6. **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
7. **Federal and Indian Units:**
   The BLM or BIA has approved the successor of unit operator for wells listed on: 4/23/2007
8. **Federal and Indian Communization Agreements ("CA"):**
   The BLM or BIA has approved the operator for all wells listed within a CA on:
9. **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:

1. Changes entered in the **Oil and Gas Database on:** 4/30/2007 and 5/15/2007
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 4/30/2007 and 5/15/2007
3. Bond information entered in RBDMS on: 4/30/2007 and 5/15/2007
4. Fee/State wells attached to bond in RBDMS on: 4/30/2007 and 5/15/2007
5. Injection Projects to new operator in RBDMS on: 4/30/2007 and 5/15/2007
6. Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: ESB000024
2. Indian well(s) covered by Bond Number: 799446

3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 965003033

3b. The **FORMER** operator has requested a release of liability from their bond on: n/a

LEASE INTEREST OWNER NOTIFICATION:

4. (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	SENW	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.

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	
1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER _____	8. WELL NAME and NUMBER: see attached
2. NAME OF OPERATOR: QUESTAR EXPLORATION AND PRODUCTION COMPANY	9. API NUMBER: attached
3. ADDRESS OF OPERATOR: 1050 17th Street Suite 500 CITY Denver STATE CO ZIP 80265 / PHONE NUMBER: (303) 308-3068	10. FIELD AND POOL, OR WILDCAT:
4. LOCATION OF WELL FOOTAGES AT SURFACE: attached QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:	COUNTY: Uintah STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 1/1/2007	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: Operator Name Change
	☐ CONVERT WELL TYPE	☐ 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) Debra K. Stanberry TITLE Supervisor, Regulatory Affairs

SIGNATURE _____ DATE 3/16/2007

(This space for State use only)

RECEIVED
APR 19 2007
DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NUMBER: see attached	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: see attached	
7. UNIT or CA AGREEMENT NAME: see attached	
1 TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER	8. WELL NAME and NUMBER: see attached
2. NAME OF OPERATOR: QUESTAR EXPLORATION AND PRODUCTION COMPANY	9. API NUMBER: attached
3 ADDRESS OF OPERATOR: 1050 17th Street Suite 500 CITY Denver STATE CO ZIP 80265 / PHONE NUMBER: (303) 308-3068	10. FIELD AND POOL, OR WILDCAT:
4. LOCATION OF WELL: FOOTAGES AT SURFACE: attached	COUNTY: Uintah
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: 1/1/2007	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: Well Name Changes
	☐ CONVERT WELL TYPE	☐ 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) Debra K. Stanberry TITLE Supervisor, Regulatory Affairs

SIGNATURE [signature] DATE 4/17/2007

(This space for State use only)

RECEIVED
APR 19 2007
DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

United States Department of the Interior

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

TAKE PRIDE IN AMERICA

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

Form 3160-5
(June 1990)

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 CONFIDENTIAL

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-046

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

SUBMIT IN TRIPLICATE

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

1. Type of Well
Oil Well [X] Gas Well [ ] Other [ ]

8. Well Name and No.
BRENNAN 14

2. Name of Operator
QUESTAR EXPLORATION & PRODUCTION CO.

9. API Well No.
43-047-32774

3. Address and Telephone No.
1571 East 1700 South - Vernal, UT 84078
Contact: Dahn.Caldwell@questar.com
435-781-4342 Fax 435-781-4357

10. Field and Pool, or Exploratory Area
BRENNAN BOTTOM

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SURFACE LOCATION: 744' FNL, 461' FWL, (LOT 1), SEC 18-T7S-R21E
BOTTOM LOCATION: 1459' FSL, 397' FWL, (LOT 3), SEC 18-T7S, R21E

11. County or Parish, State
UINTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[X] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other **SPUD – RE-ENTRY**	[ ] 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)

ON 5/16/07 – WHIPSTOCK @ 6345'. WINDOW @ 6345' – 6355' TV. HORIZONTAL PBTD @ 9042' MD.

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

14. I hereby certify that the foregoing is true and correct.
Signed **Dahn F. Caldwell** **Office Administator II** Date **7/24/07**

(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.

CONFIDENTIAL

Form 3160-4
(November 1983)
(formerly 9-330)

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

CONFIDENTIAL

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

5. LEASE DESIGNATION AND SERIAL NO.: U - 046

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

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] Other

b TYPE OF COMPLETION: NEW WELL [ ] WORK OVER [ ] DEEP-EN [ ] PLUG BACK [ ] DIFF. RESVR [ ] Other Re-Entry Completion

7. UNIT AGREEMENT NAME: BRENNAN BOTTOM UNIT

8. FARM OR LEASE NAME: N/A

9. WELL NO.: BRENNAN # 14

2. NAME OF OPERATOR: QUESTAR EXPLORATION & PRODUCTION CO.

3. ADDRESS OF OPERATOR: 1571 East 1700 South - Vernal, UT 84078
Contact: Dahn Caldwell 435-781-4342
Fax # 435.781.4357

10. FIELD AND POOL, OR WILDCAT: BRENNAN BOTTOM

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

At surface: 744' FNL, 461' FWL (LOT 1), SEC 18-T7S-R21E

At top rod. interval reported below

At total depth: 1655' FSL, 355' FNL (LOT 3), SEC 18-T7S-R21E

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

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
43-047- 32774		UINTAH	UT

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
Re-Entry 5/16/07	5/25/07	6/29/07	KB	

20. TOTAL DEPTH, MD & TVD	21. PLUG BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
7455'	7376'		⟶	X	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION–TOP, BOTTOM, NAME (MD AND TVD)*
OH – HORIZ TD @ 9040'
WINDOW @ 6345' – 6355'
GRRV

25. WAS DIRECTIONAL SURVEY MADE: YES

26. TYPE ELECTRIC AND OTHER LOGS RUN: GR, DSN

27. WAS WELL CORED: NO

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#	610'	12 1/4"	325 SXS	
5 1/2"	17#	7435'	7 7/8"	865 SXS	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8"	6347'	

31. PERFORATION RECORD (*Interval, size and number*)
OPEN HOLE – HORIZONTAL @ 9040'
WINDOW @ 6345' – 6355'

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
OPEN HOLE LATERAL	Acidized 24,000 gals 15% HCL

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping–size and type of pump*)	WELL STATUS (*Producing or shut-in*)
6/29/07	PUMPING	PRODUCING

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD ⟶	OIL–BBL.	GAS–MCF.	WATER–BBL.	GAS-OIL RATIO
7/2/07	24	N/A		238	100	65	

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE ⟶	OIL–BBL.	GAS–MCF	WATER—BBL	OIL GRAVITY-API (CORR.)
220	100					

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

TEST WITNESSED BY

35. LIST OF ATTACHMENTS
WELLBORE SCHEMATIC

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

SIGNED JIM SIMONTON (Jim Simonton) TITLE COMPLETION SUPERVISOR DATE 8/01/07

(See Instructions and Spaces for Additional Data on Reverse Side)

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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.

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.
GREEN RIVER	**3449'**		
TD – (HORIZ)	**4827'**		

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38. GEOLOGIC MARKERS
BRENNAN # 14

NAME	TOP MEAS. DEPTH	TOP TRUE
GREEN RIVER	**3449'**	
TD – (HORIZ)	**4827'**	

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COMPOTALOG

Drilling Services

1655' FSL
355' FWL NWSW

Client : Questar
Well : Brennan Federal 14
Location : Uintah County
License :

UWI #:

Page: 1
Date : 5/26/2007
File : 4011614

CONFIDENTIAL

Vertical Section Calculated Along Azimuth 181.25°
KB Elevation = 4826.00ft GR. Elevation = 4812.00ft

	MD	Inc	Azi	TVD	North	East	V'Sect	D'Leg	Build	Turn
	ft	deg	deg	ft	ft	ft	ft	°/100	°/100	°/100
0	6300.00	1.25	198.07	6296.65	-85.13	-139.53	88.15	0.00	0.00	0.00
1	6346.00	1.25	198.07	6342.64	-86.08	-139.84	89.11	0.00	0.00	0.00
2	6385.00	3.69	198.00	6381.60	-87.68	-140.36	90.72	6.26	6.26	-0.18
3	6395.00	5.05	190.37	6391.57	-88.42	-140.54	91.47	14.76	13.60	-76.30
4	6410.00	7.00	189.41	6406.49	-89.97	-140.81	93.02	13.02	13.00	-6.40
5	6420.00	8.19	193.69	6416.40	-91.27	-141.08	94.32	13.17	11.90	42.80
6	6430.00	9.31	194.76	6426.28	-92.74	-141.45	95.80	11.32	11.20	10.70
7	6440.00	10.30	194.59	6436.14	-94.39	-141.88	97.46	9.90	9.90	-1.70
8	6466.10	13.13	190.57	6461.69	-99.56	-143.01	102.66	11.28	10.84	-15.40
9	6484.10	16.13	192.07	6479.11	-104.02	-143.91	107.13	16.80	16.67	8.33
10	6494.10	18.38	193.32	6488.65	-106.91	-144.57	110.04	22.80	22.50	12.50
11	6529.26	24.54	194.10	6521.36	-119.40	-147.62	122.59	17.54	17.52	2.22
12	6560.44	29.69	188.19	6549.11	-133.33	-150.30	136.58	18.62	16.52	-18.95
13	6592.16	34.88	184.07	6575.92	-150.17	-152.07	153.45	17.76	16.36	-12.99
14	6623.94	39.81	179.44	6601.18	-169.42	-152.61	172.71	17.84	15.51	-14.57
15	6655.49	44.69	174.82	6624.54	-190.59	-151.51	193.85	18.33	15.47	-14.64
16	6687.19	49.44	175.69	6646.12	-213.71	-149.60	216.92	15.12	14.98	2.74
17	6717.59	53.77	178.44	6665.00	-237.50	-148.40	240.68	15.91	14.24	9.05
18	6749.30	58.63	180.57	6682.64	-263.83	-148.18	267.00	16.31	15.33	6.72
19	6768.22	61.56	180.32	6692.07	-280.23	-148.31	283.40	15.53	15.49	-1.32
20	6789.30	65.13	181.19	6701.52	-299.07	-148.56	302.24	17.33	16.94	4.13
21	6799.30	66.69	181.32	6705.61	-308.19	-148.76	311.37	15.65	15.60	1.30
22	6815.90	68.69	180.44	6711.91	-323.55	-149.00	326.72	13.01	12.05	-5.30
23	6831.62	70.68	180.27	6717.36	-338.29	-149.09	341.46	12.70	12.66	-1.08
24	6863.40	71.19	180.44	6727.75	-368.33	-149.27	371.49	1.68	1.60	0.53
25	6895.20	72.69	179.82	6737.60	-398.56	-149.34	401.72	5.07	4.72	-1.95
26	6926.88	73.88	180.44	6746.72	-428.90	-149.41	432.06	4.20	3.76	1.96
27	6936.88	74.50	180.07	6749.44	-438.52	-149.45	441.68	7.15	6.20	-3.70
28	6957.31	75.50	179.32	6754.73	-458.25	-149.35	461.40	6.04	4.89	-3.67
29	6976.00	77.00	179.69	6759.17	-476.41	-149.19	479.55	8.25	8.03	1.98
30	6985.20	78.56	180.94	6761.12	-485.40	-149.24	488.54	21.54	16.96	13.59
31	7003.70	80.69	181.44	6764.45	-503.59	-149.62	506.73	11.82	11.51	2.70
32	7020.80	80.63	181.82	6767.22	-520.46	-150.10	523.61	2.22	-0.35	2.22
33	7052.41	80.13	182.19	6772.51	-551.60	-151.19	554.77	1.96	-1.58	1.17
34	7062.41	81.31	182.44	6774.12	-561.46	-151.59	564.64	12.06	11.80	2.50
35	7072.41	82.50	182.82	6775.53	-571.35	-152.04	574.53	12.48	11.90	3.80
36	7081.90	83.06	182.94	6776.72	-580.76	-152.52	583.95	6.03	5.90	1.26

CONFIDENTIAL

Client : Questar
Well : Brennan Federal 14
Location : Uintah County
License :

Page: 2
Date : 5/26/2007
File : 4011614

UWI #:

Vertical Section Calculated Along Azimuth 181.25°
KB Elevation = 4826.00ft GR. Elevation = 4812.00ft

	MD	Inc	Azi	TVD	North	East	V'Sect	D'Leg	Build	Turn
	ft	deg	deg	ft	ft	ft	ft	°/100	°/100	°/100
37	7094.20	84.56	183.07	6778.05	-592.97	-153.16	596.17	12.24	12.20	1.06
38	7115.53	86.69	183.32	6779.67	-614.20	-154.34	617.42	10.05	9.99	1.17
39	7130.53	88.94	184.44	6780.24	-629.15	-155.36	632.39	16.75	15.00	7.47
40	7147.10	91.50	184.32	6780.18	-645.67	-156.62	648.94	15.47	15.45	-0.72
41	7163.10	93.13	184.82	6779.53	-661.61	-157.90	664.90	10.66	10.19	3.12
42	7178.76	92.94	184.19	6778.71	-677.20	-159.12	680.51	4.20	-1.21	-4.02
43	7195.76	93.06	184.19	6777.82	-694.13	-160.37	697.46	0.71	0.71	0.00
44	7210.16	93.44	184.44	6777.00	-708.47	-161.45	711.82	3.16	2.64	1.74
45	7242.04	91.75	183.57	6775.56	-740.24	-163.67	743.63	5.96	-5.30	-2.73
46	7273.74	91.81	184.07	6774.57	-771.85	-165.78	775.28	1.59	0.19	1.58
47	7305.62	90.56	182.19	6773.91	-803.67	-167.52	807.14	7.08	-3.92	-5.90
48	7337.34	90.00	182.32	6773.76	-835.37	-168.77	838.85	1.81	-1.77	0.41
49	7369.07	89.80	183.05	6773.81	-867.06	-170.26	870.57	2.39	-0.63	2.30
50	7402.36	89.69	182.69	6773.96	-900.31	-171.92	903.85	1.13	-0.33	-1.08
51	7434.21	90.00	182.82	6774.05	-932.12	-173.45	935.69	1.06	0.97	0.41
52	7465.84	90.94	182.94	6773.79	-963.71	-175.04	967.30	3.00	2.97	0.38
53	7497.44	91.19	182.94	6773.20	-995.27	-176.66	998.88	0.79	0.79	0.00
54	7529.14	90.88	182.94	6772.63	-1026.92	-178.29	1030.56	0.98	-0.98	0.00
55	7560.71	90.94	182.69	6772.13	-1058.45	-179.84	1062.12	0.81	0.19	-0.79
56	7592.30	90.63	182.69	6771.69	-1090.00	-181.32	1093.69	0.98	-0.98	0.00
57	7624.00	90.50	182.19	6771.38	-1121.67	-182.67	1125.39	1.63	-0.41	-1.58
58	7655.82	90.88	182.19	6771.00	-1153.46	-183.89	1157.20	1.19	1.19	0.00
59	7686.92	91.01	182.34	6770.48	-1184.53	-185.12	1188.29	0.64	0.42	0.48
60	7718.37	91.00	182.19	6769.93	-1215.95	-186.36	1219.73	0.48	-0.03	-0.48
61	7750.23	91.50	182.32	6769.24	-1247.78	-187.61	1251.58	1.62	1.57	0.41
62	7781.97	90.97	182.18	6768.55	-1279.49	-188.86	1283.31	1.73	-1.67	-0.44
63	7813.61	90.81	181.69	6768.06	-1311.11	-189.93	1314.94	1.63	-0.51	-1.55
64	7845.26	90.44	181.44	6767.72	-1342.74	-190.79	1346.59	1.41	-1.17	-0.79
65	7876.87	90.13	181.19	6767.56	-1374.35	-191.52	1378.20	1.26	-0.98	-0.79
66	7908.71	89.94	180.82	6767.54	-1406.18	-192.07	1410.04	1.31	-0.60	-1.16
67	7940.49	89.69	180.44	6767.64	-1437.96	-192.42	1441.81	1.43	-0.79	-1.20
68	7972.07	89.19	179.82	6767.95	-1469.54	-192.50	1473.39	2.52	-1.58	-1.96
69	8003.05	89.56	179.32	6768.29	-1500.51	-192.26	1504.35	2.01	1.19	-1.61
70	8034.65	90.50	179.82	6768.27	-1532.11	-192.03	1535.94	3.37	2.97	1.58
71	8066.43	90.88	179.94	6767.89	-1563.89	-191.96	1567.71	1.25	1.20	0.38
72	8097.06	90.31	179.19	6767.57	-1594.52	-191.73	1598.32	3.08	-1.86	-2.45
73	8128.91	90.00	178.44	6767.49	-1626.36	-191.07	1630.14	2.55	-0.97	-2.35

CONFIDENTIAL

Client : Questar
Well : Brennan Federal 14
Location : Uintah County
License :

UWI #:

Vertical Section Calculated Along Azimuth 181.25°
KB Elevation = 4826.00ft GR. Elevation = 4812.00ft

	MD	Inc	Azi	TVD	North	East	V'Sect	D'Leg	Build	Turn
	ft	deg	deg	ft	ft	ft	ft	°/100	°/100	°/100
74	8160.51	89.94	178.19	6767.50	-1657.95	-190.14	1661.70	0.81	-0.19	-0.79
75	8192.23	90.96	178.58	6767.25	-1689.65	-189.25	1693.38	3.44	3.22	1.23
76	8223.87	91.56	179.19	6766.56	-1721.28	-188.63	1724.98	2.70	1.90	1.93
77	8255.76	91.31	179.19	6765.76	-1753.16	-188.18	1756.84	0.78	-0.78	0.00
78	8287.46	91.25	179.19	6765.05	-1784.84	-187.73	1788.51	0.19	-0.19	0.00
79	8319.15	90.75	179.07	6764.50	-1816.53	-187.25	1820.18	1.62	-1.58	-0.38
80	8350.93	91.06	179.07	6764.00	-1848.30	-186.73	1851.93	0.98	0.98	0.00
81	8385.08	90.69	179.19	6763.47	-1882.44	-186.22	1886.05	1.14	-1.08	0.35
82	8417.40	91.06	179.19	6762.98	-1914.75	-185.76	1918.35	1.14	1.14	0.00
83	8447.65	91.00	178.69	6762.44	-1944.99	-185.20	1948.57	1.66	-0.20	-1.65
84	8479.38	91.06	179.19	6761.87	-1976.71	-184.61	1980.27	1.59	0.19	1.58
85	8511.07	90.38	178.19	6761.47	-2008.39	-183.89	2011.92	3.82	-2.15	-3.16
86	8542.59	89.25	178.19	6761.57	-2039.89	-182.89	2043.40	3.59	-3.59	0.00
87	8574.32	90.31	177.94	6761.69	-2071.60	-181.82	2075.08	3.43	3.34	-0.79
88	8605.98	91.94	178.69	6761.07	-2103.24	-180.89	2106.69	5.67	5.15	2.37
89	8637.59	92.19	177.94	6759.93	-2134.82	-179.96	2138.24	2.50	0.79	-2.37
90	8669.13	91.63	178.07	6758.88	-2166.32	-178.86	2169.71	1.82	-1.78	0.41
91	8700.89	91.00	177.44	6758.15	-2198.05	-177.62	2201.40	2.80	-1.98	-1.98
92	8732.63	89.81	176.07	6757.93	-2229.74	-175.82	2233.04	5.72	-3.75	-4.32
93	8764.19	90.00	175.57	6757.98	-2261.21	-173.52	2264.46	1.69	0.60	-1.58
94	8795.86	90.50	174.69	6757.84	-2292.77	-170.83	2295.95	3.20	1.58	-2.78
95	8827.54	90.88	174.82	6757.46	-2324.31	-167.94	2327.42	1.27	1.20	0.41
96	8859.16	91.94	176.07	6756.68	-2355.82	-165.43	2358.87	5.18	3.35	3.95
97	8890.94	91.38	175.32	6755.76	-2387.50	-163.04	2390.49	2.94	-1.76	-2.36
98	8922.67	90.75	175.19	6755.17	-2419.11	-160.42	2422.04	2.03	-1.99	-0.41
99	8954.45	90.50	175.19	6754.82	-2450.78	-157.75	2453.64	0.79	-0.79	0.00
100	8985.77	90.50	175.19	6754.55	-2481.99	-155.13	2484.78	0.00	0.00	0.00
101	9017.56	90.69	174.94	6754.22	-2513.66	-152.39	2516.39	0.99	0.60	-0.79
102	9049.28	90.56	175.00	6753.87	-2545.26	-149.61	2547.91	0.45	-0.41	0.19
103	9080.59	90.88	174.19	6753.48	-2576.42	-146.66	2579.01	2.78	1.02	-2.59
104	9112.40	91.00	174.19	6752.96	-2608.07	-143.44	2610.57	0.38	0.38	0.00
105	9144.24	91.50	173.69	6752.27	-2639.72	-140.08	2642.15	2.22	1.57	-1.57
106	9175.42	90.13	173.19	6751.82	-2670.69	-136.52	2673.03	4.68	-4.39	-1.60
107	9207.24	91.75	173.19	6751.30	-2702.28	-132.75	2704.53	5.09	5.09	0.00
108	9238.61	91.50	173.19	6750.41	-2733.42	-129.03	2735.58	0.80	-0.80	0.00
109	9270.38	90.63	173.19	6749.82	-2764.96	-125.27	2767.03	2.74	-2.74	0.00

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COMPUTALOG
Drilling Services

Client : Questar
Well : Brennan Federal 14
Location : Uintah County
License :

UWI #:

Date : 5/26/2007
File : 4011614

Vertical Section Calculated Along Azimuth 181.25°
KB Elevation = 4826.00ft GR. Elevation = 4812.00ft

	MD	Inc	Azi	TVD	North	East	V'Sect	D'Leg	Build	Turn
	ft	deg	deg	ft	ft	ft	ft	°/100	°/100	°/100
110	9302.07	90.75	173.19	6749.44	-2796.42	-121.51	2798.41	0.38	0.38	0.00
111	9333.91	91.00	173.69	6748.95	-2828.05	-117.87	2829.95	1.76	0.79	1.57
112	9365.50	90.25	173.69	6748.61	-2859.45	-114.40	2861.26	2.37	-2.37	0.00
113	9398.00	91.25	173.69	6748.18	-2891.75	-110.83	2893.48	3.08	3.08	0.00
EXT	9438.00	92.48	173.69	6746.88	-2931.48	-106.43	2933.11	3.08	3.08	0.00

Bottom Hole Closure 2933.41ft Along Azimuth 182.08°

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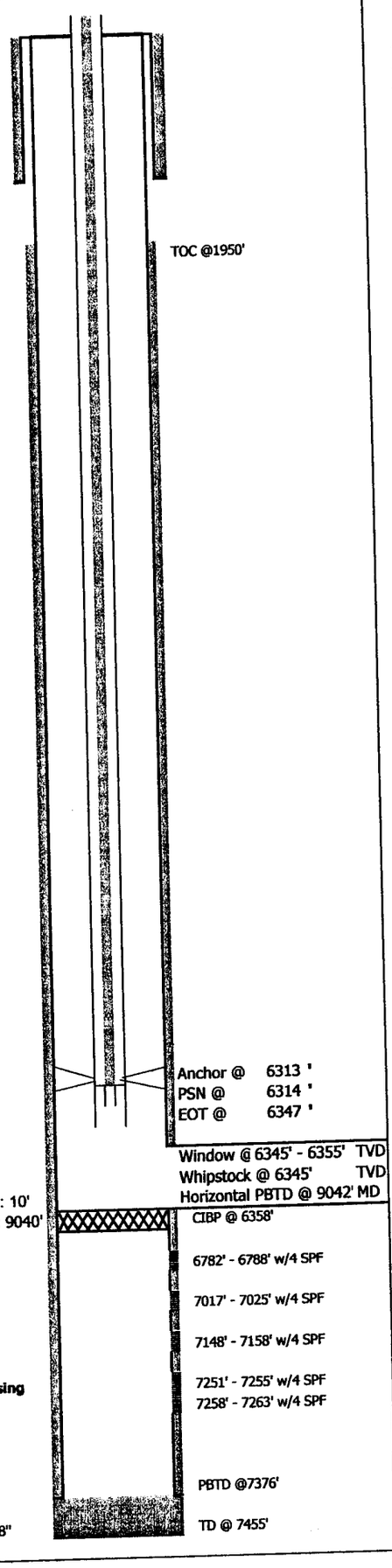
FIELD: Brennan Bottoms | GL:4812 | KBE: 4826' | Spud date: 12-10-96 | Date of last work: 6-29-07

WELL NAME: Brennan 14 | TD:7455' | PBTD:7376' | Current Well Status Pumping oil well

Location: NWNW Sec. 18, T7S, R21E
API#:43-047-32774
Uintah County, Utah

Reason for Pull/Workover:
Complete horizontal leg

Wellbore Schematic



Tubing Landing Detail:

Description	Size	Footage	Depth
KB		15.00	14.00
Tension		1.50	15.50
194 jts tubing	2-7/8"	6294.65	6310.15
T-anchor w/14M#	5-1/2"	2.63	6312.78
PSN	2-7/8"	1.10	6313.88
1 jt	2-7/8"	32.82	6346.70
Pinned NC	2-7/8"	0.45	6347.15
EOT			6347.15

TUBING INFORMATION
New: X Used: ____ Rerun: ____
Grade: J-55
Weight (#/ft): 6.5#

Sucker Rod Detail:

Size	#Rods	Type
1-1/2" x 26'	1	Polish rod
7/8" x 2	1	Pony
7/8" x 4'	1	Pony
7/8" x 6'	1	Pony
7/8" x 8'	1	Pony
7/8"	99	Plain
3/4"	152	Plain

Rod Information
New: ____ Reconditioned: X Rerun: ____
Grade:
Manufacture:

Pump Information:
API Designation: 2-1/2 x 1-3/4 x 20 x 21 x 22 RHAC
PUMP Make & SN, max stroke: Weatherford # 2104, 175" stroke

Anchors tested by: Benco **Date:** 6-18-07

Wellhead Detail: 7-1/16" 5000# installed 6-20-07

Hanger: Yes ____ No X

Summary
Interval 7148' - 7262'. Frac w/5200# 20/40.
Interval 7017' - 7025'. Acidize w/2500 gals 28% HCl.
Interval 6782' - 6788'. Acidize w/2500 gals 28% HCl.
7-07 Acidize open hole lateral w/24,000 gals 15% HCl.

Prepared By: Jane Pennell Date: 7-20-07

CONFIDENTIAL

Form 3160-5
(April 2004)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

5. Lease Serial No.
UTU 049

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
Brennan Bottom Unit

1. Type of Well
☑ Oil Well ☐ Gas Well ☐ Other CONFIDENTIAL

8. Well Name and No.
Brennan Bottom #14

2. Name of Operator **QEP Uintah Basin Inc**

9. API Well No.
43-047-32774

3a. Address
11002 E. 17500 S. VERNAL, UT 84078-8526

3b. Phone No. *(include area code)*
435-781-4341

10. Field and Pool, or Exploratory Area

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
744' FNL, 461' FWL, NWNW, SECTION 18, T7S, R21E, SLBM

11. County or Parish, State
Uintah

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☑ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☑ Other **Run perforated liner**
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (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.)

The openhole build section of this well has collapsed. The operator requests approval to cleanout the collapsed section of the hole and run a pre-perforated 3 1/2" liner to TD.

The work will be performed as follows:

Move in and rig up drilling rig with a 3M BOP system
Run in with a 4 3/4" bit to TD
Run liner from TD back to the 7" casing window

The rig will use the existing reserve pit and ther will be no additional surface disturbance

14. I hereby certify that the foregoing is true and correct
Name *(Printed/Typed)*
Kirk Fleetwood **Kirk.Fleetwod@Questar.com**

Title **Petroleum Engineer**

Signature

Date ~~05/10/2006~~ 11/26/2007

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Date Federal Approval Of This Action Is Necessary

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.

Accepted by the Utah Division of Oil, Gas and Mining

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.

(Instructions on page 2)

RECEIVED
NOV 29 2007
DIV. OF OIL, GAS & MINING

COPY SENT TO OPERATOR
Date: 12/3/2007
Initials: KS

Form 3160-5
(November 1994)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

5. Lease Serial No.
UTSL-071745

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

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

1. Type of Well
[X] Oil Well [ ] Gas Well [ ] Other

8. Well Name and No.
BRENNAN 14

2. Name of Operator
QUESTAR EXPLORATION & PRODUCTION CO. *Contact: Steve Hall*

9. API Well No.
43-047-32774

3a. Address
11002 E. 17500 SO. Vernal, UT 84078

3b. Phone No. *(include area code)*
303-672-6919

10. Field and Pool, or Exploratory Area
BRENNAN BOTTOM

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
744' FNL 461' FWL, (LOT 1) SECTION 18, T7S, R21E Surface Location
1459' FSL 397' FWL (LOT 3) SECTION 18, T7S, R21E Bottom Hole Location

11. County or Parish, State
UINTAH COUNTY, UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION			
[X] Notice of Intent	[ ] Acidize	[ ] Deepen	[ ] Production (Start/Resume)	[ ] Water Shut-Off
	[ ] Alter Casing	[ ] Fracture Treat	[ ] Reclamation	[ ] Well Integrity
[ ] Subsequent Report	[ ] Casing Repair	[ ] New Construction	[ ] Recomplete	[ ] Other
	[X] Change Plans	[ ] Plug and Abandon	[ ] Temporarily Abandon	
[ ] Final Abandonment Notice	[ ] Convert to Injection	[ ] Plug Back	[ ] 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 twisted off with top of fish at 6523'. Questar has the need to set a CIBP at 6310'. Along with a new whipstock between 6298' and 6304'.

Please find attached:
1. Re-Entry Procedure
2. Pathfinder Drilling Proposal
3. 8-point Drilling Program
4. Proposed Well Bore Diagram

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

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

Name *(Printed/Typed)*	Title
Laura Bills	Regulatory Affairs
Signature *Laura Bills*	Date February 6, 2008

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
FEB 07 2008
DIV. OF OIL, GAS & MINING

CONFIDENTIAL

QUESTAR EXPLORATION AND PRODUCTION

Brennan 14
API: 43-047-32774
Summarized Re-Entry Procedure

1. RIH with CIBP.
2. Set **top** of CIBP @ +/- 6,310', 10' above nearest collar @ 6,320'
3. RIH with whipstock, set and orient whipstock on top of CIBP set at 6,310' oriented at 170° ± azimuth. Plus or minus 2-3 ° is acceptable.
4. Shear setting pins and start milling operations, mill window in 5 ½" casing @ 6,298' top, 6,304' bottom and pilot hole. Work mills in and out of window several times.
5. TOOH, PU directional BHA and gyro tool, TIH.
6. Gyro steer the well at a 170° azimuth with 12.00°/100' build rates to 45 to 60 feet or until the MWD tools have cleared the casing and are providing accurate readings.
7. Pull gryo tool and continue to drill with directional equipment to land in the G1 Lime formation at a TVD of +/- 6,777' TVD, +/- 7,065' MD.
8. Drill +/- 2,363' of lateral in the G1 Lime with a 0.9° apparent up dip angle.
   a. Mud system to be a NaCl weighted water based mud, weights are expected to be in the 8.6 – 9.4 ppg range.
9. Circulate and condition hole, TOOH, LD 3,128' of drill pipe.
   a. PU 2,363' of 3 1/2" flush slotted liner, 765' of blank liner and liner dropping tool.
   b. RIH w/ liner and dropping tool, drop liner at 6,300', just outside window.
   c. TOOH laying down remainder of the drill pipe.
10. RIH and set CBP @ +/- 4,500' to isolate lateral.
11. ND BOP's.
12. RDMOL.

QUESTAR

Questar Exploration & Production

Uintah Co., UT
Sec.18-T7S-R21E
Brennan Federal 14
Wellbore #1

Plan: Plan #1

Pathfinder Planning Report

05 February, 2008

PATHFINDER
ENERGY SERVICES

Database:	EDM 2003.16 Single User Db	**Local Co-ordinate Reference:**	Well Brennan Federal 14
Company:	Questar Exploration & Production	**TVD Reference:**	WELL @ 4826.0ft (Original Well Elev)
Project:	Uintah Co., UT	**MD Reference:**	WELL @ 4826.0ft (Original Well Elev)
Site:	Sec.18-T7S-R21E	**North Reference:**	True
Well:	Brennan Federal 14	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #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 Federal 14					
Well Position	**+N/-S**	0 0 ft	**Northing:**	7,253,206 59 ft	**Latitude:**	40° 12' 59 584 N
	+E/-W	0.0 ft	**Easting:**	2,169,390.15 ft	**Longitude:**	109° 36' 20.232 W
Position Uncertainty		0 0 ft	**Wellhead Elevation:**	ft	**Ground Level:**	4,812 0 ft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	1/25/2008	11 57	66 12	52,793

Design	Plan #1				
Audit Notes:					
Version:		**Phase:**	PROTOTYPE	**Tie On Depth:**	6,200 0
Vertical Section:	**Depth From (TVD) (ft)**	**+N/-S (ft)**	**+E/-W (ft)**	**Direction (°)**	
	0 0	0 0	0 0	181 27	

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
6,200 0	1 26	204 40	6,196 7	-83 1	-138 7	0 00	0 00	0 00	0 00	
6,300.0	1.26	204.40	6,296.7	-85.1	-139.6	0.00	0.00	0.00	0.00	
7,065.7	90.70	170.28	6,777.0	-574.2	-61.9	11.71	11.68	-4.46	-34.12	
7,227.7	90.70	180.00	6,775.0	-735.4	-48.2	6.00	0.00	6.00	90.00	
9,427.7	90.70	180.00	6,748.1	-2,935.3	-48.2	0.00	0.00	0.00	0.00	

Database:	EDM 2003 16 Single User Db	**Local Co-ordinate Reference:**	Well Brennan Federal 14
Company:	Questar Exploration & Production	**TVD Reference:**	WELL @ 4826.0ft (Original Well Elev)
Project:	Uintah Co., UT	**MD Reference:**	WELL @ 4826.0ft (Original Well Elev)
Site:	Sec.18-T7S-R21E	**North Reference:**	True
Well:	Brennan Federal 14	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #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)
Tie in Survey.									
6,200.0	1.26	204.40	6,196.7	-83.1	-138.7	86.1	0.09	-0.09	-1.11
Start DLS 11.71 TFO -34.12									
6,300.0	1.26	204.40	6,296.7	-85.1	-139.6	88.2	0.00	0.00	0.00
6,325.0	4.03	180.36	6,321.6	-86.2	-139.8	89.3	11.71	11.09	-96.14
6,350.0	6.93	176.11	6,346.5	-88.6	-139.7	91.7	11.71	11.60	-17.02
6,375.0	9.85	174.36	6,371.2	-92.2	-139.4	95.3	11.71	11.67	-6.99
6,400.0	12.77	173.41	6,395.7	-97.1	-138.8	100.2	11.71	11.69	-3.82
6,425.0	15.69	172.80	6,420.0	-103.2	-138.1	106.3	11.71	11.69	-2.41
6,450.0	18.62	172.39	6,443.9	-110.5	-137.1	113.5	11.71	11.70	-1.67
6,475.0	21.55	172.08	6,467.3	-119.0	-136.0	122.0	11.71	11.70	-1.23
6,500.0	24.47	171.84	6,490.3	-128.7	-134.6	131.7	11.71	11.70	-0.95
6,525.0	27.40	171.65	6,512.8	-139.5	-133.0	142.4	11.71	11.70	-0.76
6,550.0	30.32	171.50	6,534.7	-151.5	-131.3	154.3	11.71	11.71	-0.62
6,575.0	33.25	171.37	6,556.0	-164.5	-129.3	167.3	11.71	11.71	-0.52
6,600.0	36 18	171.26	6,576.5	-178.6	-127.1	181.3	11.71	11.71	-0.45
6,625.0	39 10	171.16	6,596.3	-193.6	-124.8	196.4	11.71	11.71	-0.39
6,650.0	42 03	171.07	6,615.3	-209.7	-122.3	212.4	11.71	11.71	-0.34
6,675.0	44.96	171.00	6,633.4	-226.7	-119.6	229.3	11.71	11.71	-0.31
6,700.0	47.88	170.93	6,650.7	-244.6	-116.8	247.1	11.71	11.71	-0.28
6,725.0	50.81	170.86	6,667.0	-263.3	-113.8	265.8	11.71	11.71	-0.25
6,750.0	53.74	170.81	6,682.2	-282.8	-110.6	285.2	11.71	11.71	-0.23
6,775.0	56.66	170.75	6,696.5	-303.1	-107.3	305.4	11.71	11.71	-0.21
6,800.0	59.59	170.70	6,709.7	-324.0	-103.9	326.3	11.71	11.71	-0.20
6,825.0	62.52	170.66	6,721.8	-345.6	-100.4	347.8	11.71	11.71	-0.19
6,850.0	65.44	170.61	6,732.8	-367.8	-96.7	369.8	11.71	11.71	-0.18
6,875.0	68.37	170.57	6,742.6	-390.5	-93.0	392.4	11.71	11.71	-0.17
6,900.0	71.30	170.53	6,751.2	-413.6	-89.1	415.5	11.71	11.71	-0.16
6,925.0	74.23	170.49	6,758.6	-437.2	-85.2	438.9	11.71	11.71	-0.16
6,950.0	77.15	170.45	6,764.8	-461.0	-81.2	462.7	11.71	11.71	-0.15
6,975.0	80.08	170.41	6,769.7	-485.2	-77.1	486.8	11.71	11.71	-0.15
7,000.0	83.01	170.38	6,773.4	-509.6	-73.0	511.1	11.71	11.71	-0.15
7,025.0	85.93	170.34	6,775.8	-534.1	-68.8	535.5	11.71	11.71	-0.15
7,050.0	88.86	170.30	6,776.9	-558.7	-64.6	560.0	11.71	11.71	-0.14
Start Turn 6.00									
7,065.7	90.70	170.28	6,777.0	-574.2	-61.9	575.5	11.71	11.71	-0.14
7,100.0	90.70	172.34	6,776.6	-608.1	-56.8	609.2	6.00	0.00	6.00
7,150.0	90.70	175.34	6,776.0	-657.8	-51.4	658.8	6.00	0.00	6.00
7,200.0	90.70	178.34	6,775.4	-707.7	-48.6	708.6	6.00	0.00	6.00
Start 2200.0 hold at 7227.7 MD									
7,227.7	90.70	180.00	6,775.0	-735.4	-48.2	736.3	6.00	0.00	6.00
7,300.0	90.70	180.00	6,774.1	-807.7	-48.2	808.6	0.00	0.00	0.00
7,400.0	90.70	180.00	6,772.9	-907.7	-48.2	908.6	0.00	0.00	0.00
7,500.0	90.70	180.00	6,771.7	-1,007.7	-48.2	1,008.5	0.00	0.00	0.00
7,600.0	90.70	180.00	6,770.5	-1,107.7	-48.2	1,108.5	0.00	0.00	0.00
7,700.0	90.70	180.00	6,769.3	-1,207.7	-48.2	1,208.5	0.00	0.00	0.00
7,800.0	90.70	180.00	6,768.0	-1,307.7	-48.2	1,308.4	0.00	0.00	0.00
7,900.0	90.70	180.00	6,766.8	-1,407.7	-48.2	1,408.4	0.00	0.00	0.00
8,000.0	90.70	180.00	6,765.6	-1,507.7	-48.2	1,508.4	0.00	0.00	0.00
8,100.0	90.70	180.00	6,764.4	-1,607.7	-48.2	1,608.3	0.00	0.00	0.00
8,200.0	90.70	180.00	6,763.1	-1,707.7	-48.2	1,708.3	0.00	0.00	0.00
8,300.0	90.70	180.00	6,761.9	-1,807.6	-48.2	1,808.3	0.00	0.00	0.00
8,400.0	90.70	180.00	6,760.7	-1,907.6	-48.2	1,908.2	0.00	0.00	0.00

Database:	EDM 2003.16 Single User Db	**Local Co-ordinate Reference:**	Well Brennan Federal 14
Company:	Questar Exploration & Production	**TVD Reference:**	WELL @ 4826.0ft (Original Well Elev)
Project:	Uintah Co., UT	**MD Reference:**	WELL @ 4826.0ft (Original Well Elev)
Site:	Sec.18-T7S-R21E	**North Reference:**	True
Well:	Brennan Federal 14	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #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)
8,500 0	90 70	180 00	6,759 5	-2,007 6	-48 2	2,008 2	0.00	0.00	0 00
8,600.0	90.70	180.00	6,758.3	-2,107.6	-48.2	2,108.2	0.00	0.00	0.00
8,700.0	90.70	180.00	6,757.0	-2,207.6	-48.2	2,208.1	0.00	0.00	0.00
8,800.0	90.70	180.00	6,755.8	-2,307.6	-48.2	2,308.1	0.00	0.00	0.00
8,900.0	90.70	180.00	6,754.6	-2,407.6	-48.2	2,408.1	0.00	0.00	0.00
9,000.0	90.70	180.00	6,753.4	-2,507.6	-48.2	2,508.0	0.00	0.00	0.00
9,100.0	90.70	180.00	6,752.1	-2,607.6	-48.2	2,608.0	0.00	0.00	0.00
9,200.0	90.70	180.00	6,750.9	-2,707.6	-48.2	2,708.0	0.00	0.00	0.00
9,300.0	90.70	180.00	6,749.7	-2,807.6	-48.2	2,807.9	0.00	0.00	0.00
9,400.0	90.70	180.00	6,748.5	-2,907.6	-48.2	2,907.9	0.00	0.00	0.00
TD at 9427.7									
9,427.7	90.70	180.00	6,748.1	-2,935.3	-48.2	2,935.6	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 BF 14	0.00	0.00	6,719.0	-3,109.9	-69.0	7,250,095 96	2,169,387.05	40° 12' 28 850 N	109° 36' 21.121 W
- plan misses by 178.2ft at 9427.7ft MD (6748.1 TVD, -2935.3 N, -48.2 E)									
- Point									

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
6,200 0	6,196 7	-83.1	-138.7	Tie in Survey
6,300.0	6,296 7	-85.1	-139.6	Start DLS 11.71 TFO -34.12
7,065.7	6,777.0	-574.2	-61.9	Start Turn 6.00
7,227.7	6,775.0	-735.4	-48.2	Start 2200.0 hold at 7227.7 MD
9,427.7	6,748.1	-2,935.3	-48.2	TD at 9427.7

QUESTAR

Company: Questar Exploration & Production
Field: Uintah Co., UT
Location: Sec.18-T7S-R21E
Well: Brennan Federal 14
Wellbore #1
Plan: Plan #1 (Brennan Federal 14/Wellbore #1)

PATHFINDER ENERGY SERVICES

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	6200.0	1.26	204.40	6196.7	-83.1	-138.7	0.00	0.00	86.1	
2	6300.0	1.26	204.40	6296.7	-85.1	-139.6	0.00	0.00	88.2	
3	7065.7	90.70	170.28	6777.0	-574.2	-61.9	11.71	-34.12	575.5	
4	7227.7	90.70	180.00	6775.0	-735.4	-48.2	6.00	90.00	736.3	
5	9427.7	90.70	180.00	6748.1	-2935.3	-48.2	0.00	0.00	2935.6	

WELL DETAILS: Brennan Federal 14

Ground Level: 4812.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	7253206.59	2169390.15	40° 12' 59.584 N	109° 36' 20.232 W	

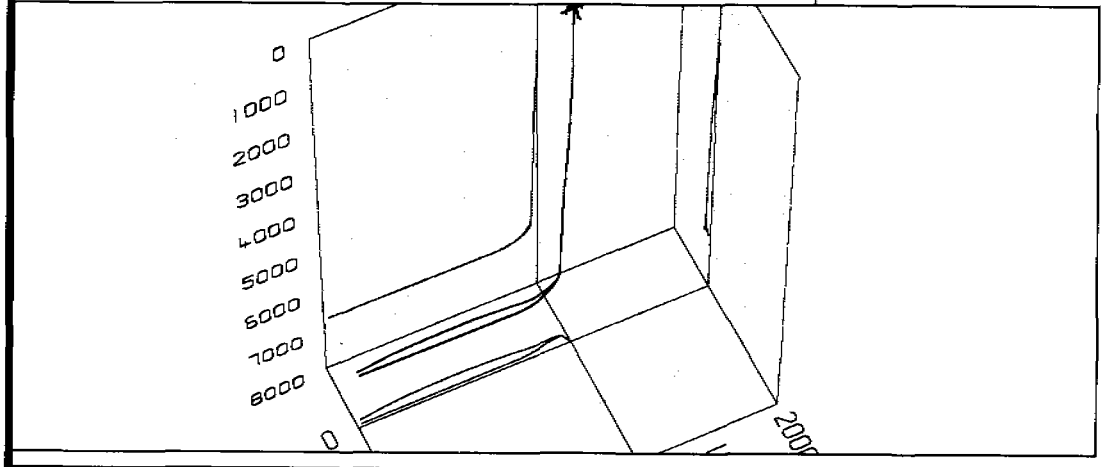
WELLBORE TARGET DETAILS

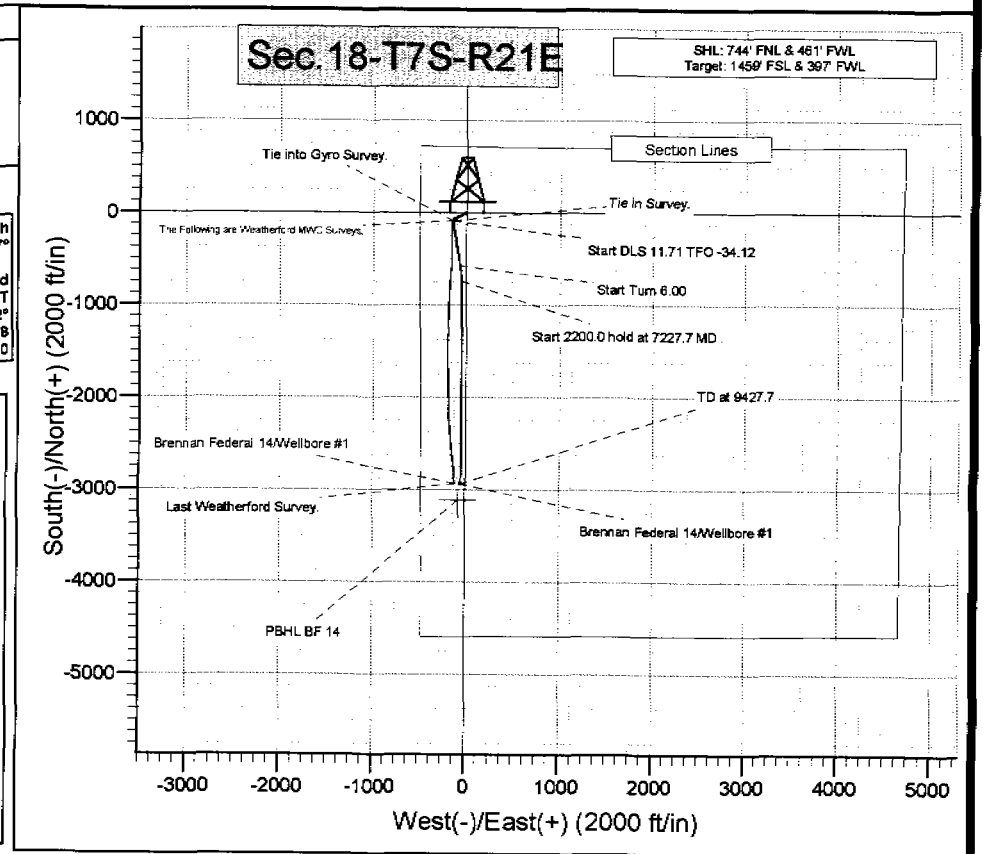
Name	TVD	+N/-S	+E/-W	Shape
PBHL BF 14	6719.0	-3109.9	-69.0	Point

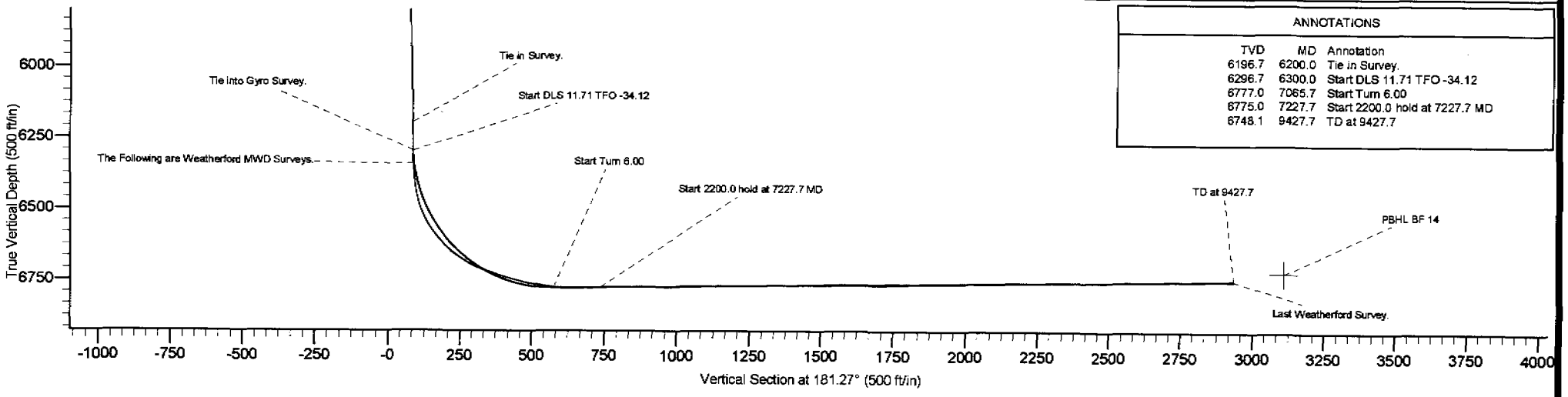
T M

Azimuths to True North
Magnetic North: 11.57°

Magnetic Field
Strength: 52793.1snT
Dip Angle: 66.12°
Date: 1/25/2008
Model: IGRF200510







ANNOTATIONS

TVD	MD	Annotation
6196.7	6200.0	Tie in Survey.
6296.7	6300.0	Start DLS 11.71 TFO -34.12
6777.0	7065.7	Start Turn 6.00
6775.0	7227.7	Start 2200.0 hold at 7227.7 MD
6748.1	9427.7	TD at 9427.7

ONSHORE OIL & GAS ORDER NO. 1
QUESTAR EXPLORATION & PRODUCTION COMPANY
Brennan 14 Re-Entry

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:

Formation	Depth, TVD	Depth, MD
Green River	3,449'	3,449'
Kick Off Point	6,300'	6,300'
Green River (G1 Lime)	6,777'	7,065'
TD	6,748'	9,427'

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

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

Substance	Formation	Depth, TVD	Depth, MD
Oil/Gas	Green River (G1 Lime)	6,777'	7,065' – 9,427'

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 ¼"	8 5/8"	622'	24.0	K-55
7 7/8"	5 ½"	7,425'	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	6,300'	9,427'	9.3	P-110

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

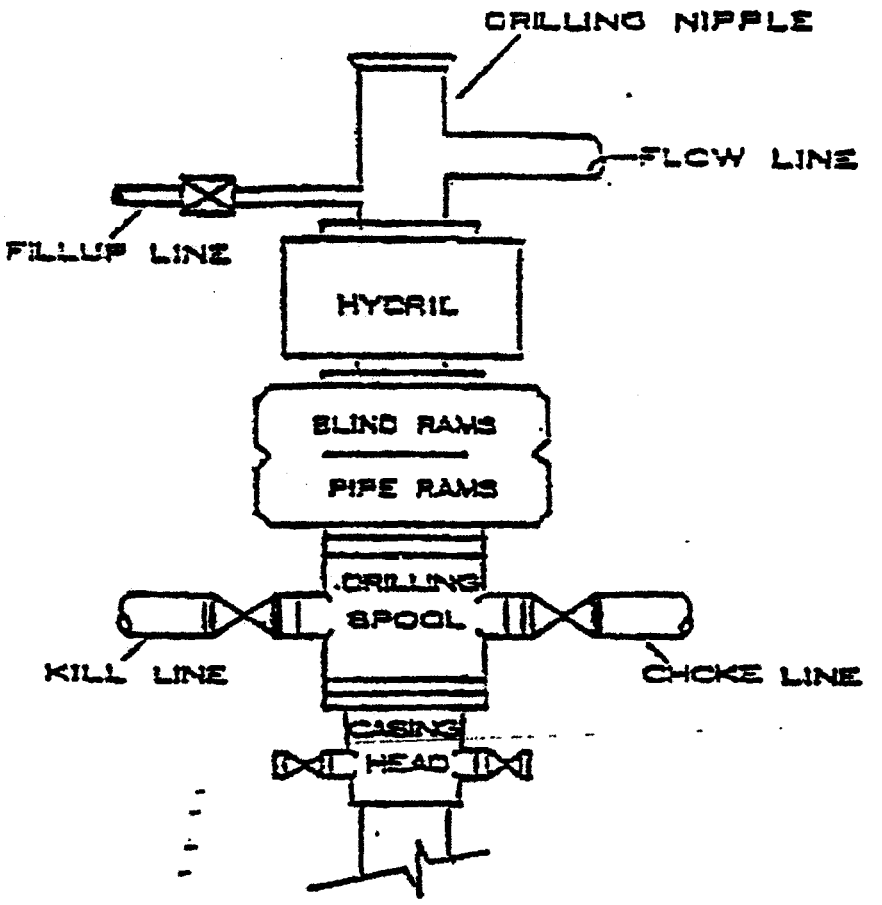
As this is a re-entry well and the newly drilled lateral will be cased off with a slotted liner dropped in the open hole there will be no cement required to drill this well. Please refer to the attached wellbore diagram for existing casing and cement conditions.

8. Anticipated Abnormal Pressures and Temperatures, Other Potential Hazards

No abnormal temperatures or pressures are anticipated. No H_2S 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



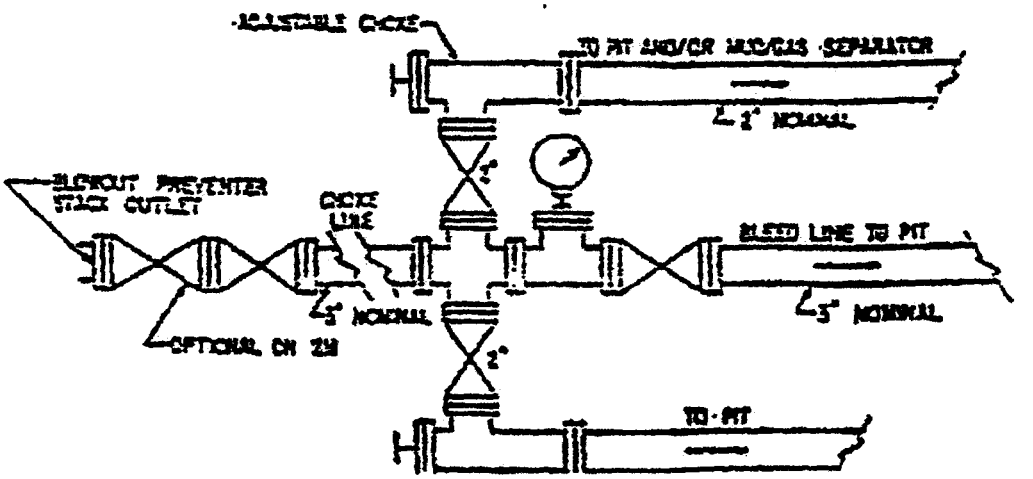
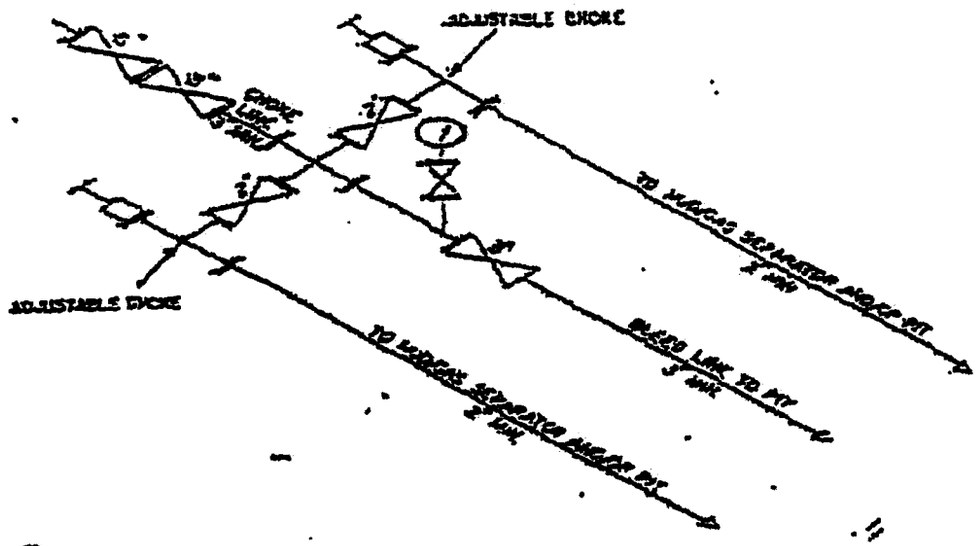
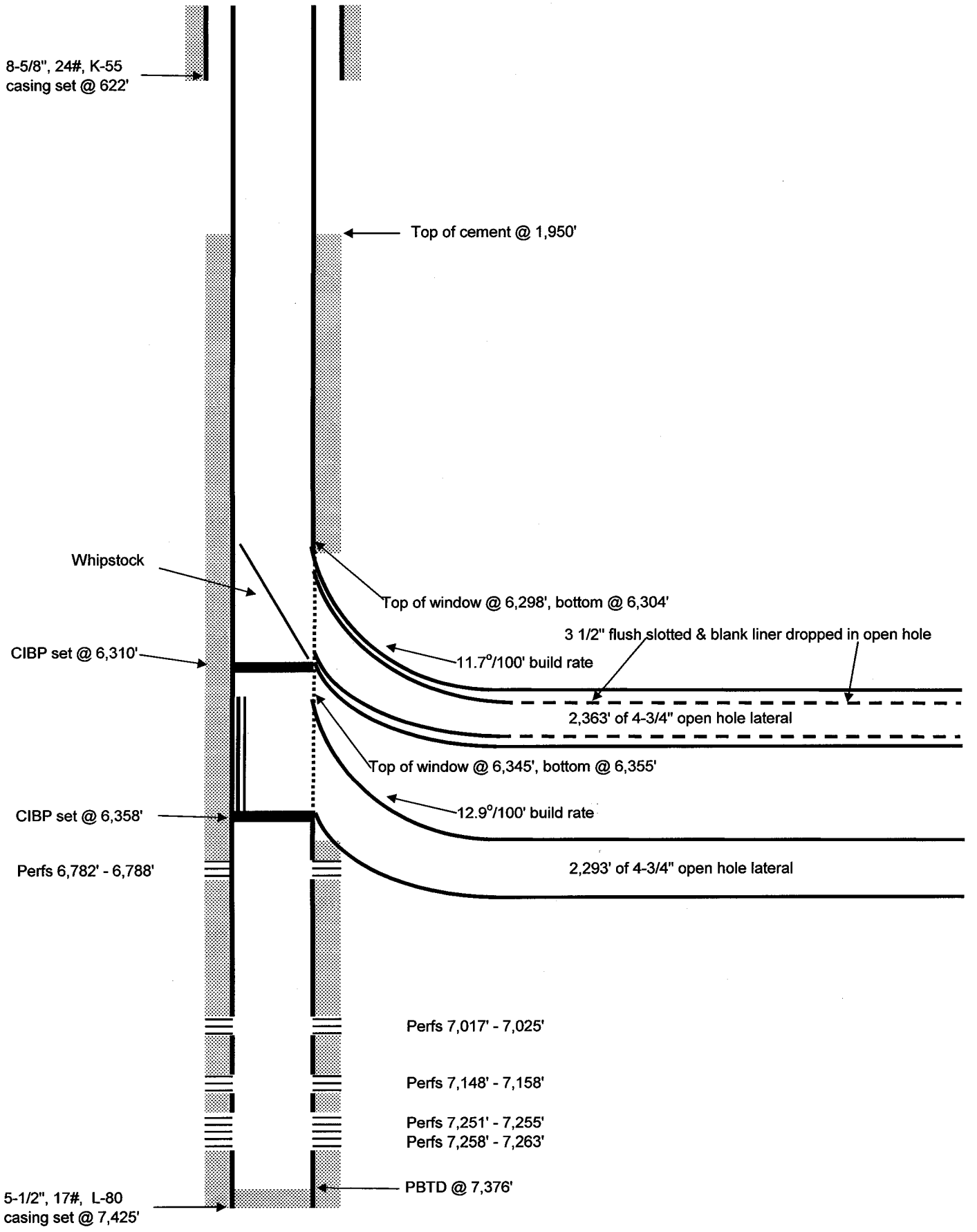


EXHIBIT A CONTINUED



(2) 3M CHOKE MANIFOLD EQUIPMENT — CONFIGURATION OF CHOKES MAY VARY

Brennan 14 Re-Entry Horizontal Well



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Questar E & P

Operations Summary Report

Legal Well Name: BRENNAN 14
Common Well Name: BRENNAN 14
Event Name: COMPLETION
Contractor Name: Key Energy
Rig Name: KEY

Start: 3/22/2008
Rig Release: 12/4/2007
Rig Number: 362

Spud Date: 12/14/1996
End: 3/31/2008
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/24/2008	06:00 - 16:00	10.00	LOC	4		Horizontal Completion On 3/31/08 - Road rig from RWS 10ML 6 9 24 to Brennan #14. MIRU. ND WH & NU BOP's. RU pump & line. SWIFN. 24 Hour Forecast: Will RIH w/ RH & 2-7/8" J-55 tbg. Csg Size: 5-1/2" 17# L-80 Csg Depth: 7435'
3/25/2008	06:00 - 16:00	10.00	TRP	2		Horizontal Completion On 3/24/08 SICP = 9#. Finish RU tbg equip. Tally, rabbit & RIH w/ RH 1 jt 2-7/8" J-55 tbg, seat nipple and 178 jts 2-7/8" J-55 tbg. Circ drilling mud out w/ EOT @ 3081' and 5750' displaced w/ 2% KCL. Latch on to 5-1/2" HE RBP set @ 5765'. Released RBP and POOH w/ tbg, SN & RBP. SWIFN. 24 Hour Forecast: Will RIH w/production string. NU WH & swab. Csg Size: 5-1/2" 17# L-80 Csg Depth: 7435'
3/26/2008	06:00 - 16:00	10.00	SWAB	1		Horizontal Completion On 3/25/08 SICP = 50#. Open well up. RIH w/ 2-7/8" NC, 1 jt 2-7/8" J-55 tbg, SN, tbg AC & 190 jts 2-7/8" J-55 tbg. ND BOP's. Set tbg AC @ 6147' w/ 16" of stretch (12,000# tension) SN @ 6150' & EOT @ 6183'. NU WH. RIH w/ swab. IFL @ 500'. Made 6 runs, rec 38 bbls, showing 0 - oil, lite gas, trace of drilling mud, FFL @ 1600'. SWIFN. 24 Hour Forecast: Will continue to swab and clean up well. Csg Size: 5-1/2" 17# L-80 Csg Depth: 7435'
3/27/2008	06:00 - 16:00	10.00	SWAB	1		Horizontal Completion On 3/26/08 SITP & SICP = 0#. RU swab. IFL @ 2100'. Make 30 swab runs and recovered 201 bbls of fluid with FFL @ 5000' and final SICP = 0#. Swabbing from 6100' the last 5 runs and recovering 18 - 20 BPH with the last 14 runs at 50% oil cut. Very light show of gas in fluid. RD swab and SIFW. 24 Hour Forecast: Will run rods and pump. Csg Size: 5-1/2" 17# L-80 Csg Depth: 7435' Tbg Detail: NC, 1 jt tbg, SN, AC, 190 jts of tbg to surface. All tbg is 2-7/8" EUE 8rd 6.5# J-55. Tbg tail at 6183' and SN @ 6150' and AC at 6147' with 12M# tension.
3/28/2008	06:00 - 16:00	10.00	TRP	18		Horizontal Completion On 3/27/08 SITP & SICP = 50#. Bled off tbg. Bucket test pump & OK. RIH w/ new Weatherford 2-1/2"x1-3/4"x20x20-1/2x21' RHAC Pump, 146 - 3/4" plain rods and 99 - 7/8" plain rods and 1-1/2" x 26' polish rod. Seat pump and space out. Fill tbg with water and long stroke pump to 500# and held OK. Bled off tbg and hang well off to pumping unit. Turn well over to production department.

Questar E & P

Operations Summary Report

Legal Well Name:	BRENNAN 14			Spud Date:	12/14/1996
Common Well Name:	BRENNAN 14				
Event Name:	COMPLETION	Start:	3/22/2008	End:	3/31/2008
Contractor Name:	Key Energy	Rig Release:	12/4/2007	Group:	
Rig Name:	KEY	Rig Number:	362		

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/28/2008	06:00 - 16:00	10.00	TRP	18		24 Hour Forecast: On 3/28/08 will remain rigged up to observe well performance over the weekend. Csg Size: 5-1/2" 17# L-80 Csg Depth: 7435' Tbg Detail: NC, 1 jt tbg, SN, AC, 190 jts of tbg to surface. All tbg is 2-7/8" EUE 8rd 6.5# J-55. Tbg tail at 6183' and SN @ 6150' and AC at 6147' with 12M# tension. Rod Detail: 2-1/2"x1-3/4"x20x20-1/2x21' RHAC Weatherford Pump; 146 - 3/4" plaiin rods; 99 - 7/8" plain rods; 1-1/2"x26' polish rod.
3/31/2008	06:00 - 16:00	10.00	LOC	4		Horizontal Completion On 3/28/08 Production Department started rod pumping well. On AM of 3/31/08 well is pumping OK. Will RDMO Basin WS this AM. FINAL REPORT OF LATERAL COMPLETION. Csg Size: 5-1/2" 17# L-80 Csg Depth: 7435' Tbg Detail: NC, 1 jt tbg, SN, AC, 190 jts of tbg to surface. All tbg is 2-7/8" EUE 8rd 6.5# J-55. Tbg tail at 6183' and SN @ 6150' and AC at 6147' with 12M# tension. Rod Detail: 2-1/2"x1-3/4"x20x20-1/2x21' RHAC Weatherford Pump; 146 - 3/4" plaiin rods; 99 - 7/8" plain rods; 1-1/2"x26' polish rod.

Form 3160-4
(November 1983)
(formerly 9-330)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

5. LEASE DESIGNATION AND SERIAL NO.: U - 046

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

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] Other

b TYPE OF COMPLETION: NEW WELL [ ] WORK OVER [ ] DEEP-EN [ ] PLUG BACK [ ] DIFF. RESVR [ ] Other LATERAL TWO Re-Entry Completion

7. UNIT AGREEMENT NAME: BRENNAN BOTTOM UNIT

8. FARM OR LEASE NAME: N/A

2. NAME OF OPERATOR: QUESTAR EXPLORATION & PRODUCTION CO.

9. WELL NO.: BRENNAN # 14

3. ADDRESS OF OPERATOR: 1571 East 1700 South - Vernal, UT 84078
Contact: Dahn Caldwell 435-781-4342
Fax # 435.781.4357

10. FIELD AND POOL, OR WILDCAT: BRENNAN BOTTOM

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

At surface: 744' FNL, 461' FWL (LOT 1), SEC 18-T7S-R21E

At top rod. interval reported below

At total depth: 2301 FSL 264 FWL Per HSM review
~~1655' FSL, 355' FNL~~ (LOT 3), SEC 18-T7S-R21E

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

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
43-047-32774		UINTAH	UT

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
Re-Entry 1/24/08	3/5/08	5/14/08	KB	

20. TOTAL DEPTH, MD & TVD	21. PLUG BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
8783' MD & 6743' TVD	HORIZ 8780' 6743		---->	X	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*

CASED HOLE
WINDOW @ 6289' – 6295'
WHIPSTOCK @ 6289'

25. WAS DIRECTIONAL SURVEY MADE: YES

26. TYPE ELECTRIC AND OTHER LOGS RUN: NO LOGS WERE RUN

27. WAS WELL CORED: NO

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#	610'	12 1/4"	325 SXS	
5 1/2"	17#	7435'	7 7/8"	865 SXS	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
3-1/2"	6211'	8780'	N/A	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8"	6180'	

31. PERFORATION RECORD (*Interval, size and number*) GRRV per oper

CASED HOLE
WINDOW @ 6289' – 6295'
WHIPSTOCK @ 6289'

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
CASED HOLE LATERAL	Acidized 9,000 gals 15% HCL

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping--size and type of pump*)	WELL STATUS (*Producing or shut-in*)
5/14/08	PUMPING	PRODUCING

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD ---->	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
7/11/08	24	N/A		61	87	6	

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE ---->	OIL--BBL.	GAS--MCF	WATER--BBL	OIL GRAVITY-API (CORR.)
150	50					

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

TEST WITNESSED BY

35. LIST OF ATTACHMENTS: N/A

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

SIGNED JIM SIMONTON Jim Simonton (for) TITLE COMPLETION SUPERVISOR DATE 9/12/08

(See Instructions and Spaces for Additional Data on Reverse Side)

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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.

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.
UINTA	**SURFACE**		
GREEN RIVER	**3449'**		
G1- LIME	**7124'**		

38. GEOLOGIC MARKERS
BRENNAN #14 (RE-ENTRY)

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
UINTA	**SURFACE**	
GREEN RIVER	**3449'**	
G-1 LIME	**7124'**	

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Deviation Summary

Well Name: BRENNAN 14-4
TMD: 8,740.0 (ft) TVD: 6,744.64 (ft)
Closure Distance: 2,279.5 (ft) Closure Direction: 184.96 (°)
Location: 18- 7-S 21-E 26
Spud Date: 12/14/1996
Calculation Method: Minimum Curvature

S/T #	V.S. AZI (°)
OH	178.66
01	184.07

S/T #	TMD (ft)	Angle (°)	Azimuth (°)	CTM	TVD (ft)	N/-S (ft)	E/-W (ft)	Vert. Section (ft)	DLS (°/100ft)	BUR (°/100ft)	Type
01	6,200.0	1.26	204.40	NYN	6,196.70	-83.10	-138.70	92.70	0.00	0.00	GMS
01	6,296.0	2.10	164.40	YNN	6,292.66	-85.76	-138.66	95.38	1.45	0.88	GSS
01	6,323.0	3.51	159.60	YNN	6,319.63	-87.01	-138.24	96.60	5.29	5.22	GSS
01	6,340.0	5.83	164.80	YNN	6,336.57	-88.33	-137.83	97.89	13.86	13.65	MWD
01	6,363.0	9.50	166.71	YNN	6,359.36	-91.30	-137.09	100.80	15.99	15.96	MWD
01	6,381.0	12.49	168.49	YNN	6,377.03	-94.66	-136.36	104.10	16.72	16.61	MWD
01	6,413.0	17.67	175.50	YNN	6,407.92	-102.90	-135.29	112.24	17.13	16.19	MWD
01	6,445.0	22.69	180.68	YNN	6,437.95	-113.92	-134.98	123.21	16.64	15.69	MWD
01	6,476.0	26.29	183.67	YNN	6,466.15	-126.75	-135.49	136.05	12.28	11.61	MWD
01	6,508.0	29.63	185.69	YNN	6,494.42	-141.70	-136.73	151.05	10.85	10.44	MWD
01	6,539.0	32.45	184.99	YNN	6,520.97	-157.61	-138.21	167.03	9.17	9.10	MWD
01	6,567.0	35.17	183.49	YNN	6,544.24	-173.15	-139.36	182.60	10.16	9.71	MWD
01	6,599.0	38.43	181.21	YNN	6,569.86	-192.30	-140.13	201.76	11.04	10.19	MWD
01	6,630.0	41.68	178.57	YNN	6,593.59	-212.24	-140.08	221.65	11.83	10.48	MWD
01	6,662.0	45.20	176.99	YNN	6,616.82	-234.22	-139.21	243.51	11.51	11.00	MWD
01	6,693.0	49.15	174.18	YNN	6,637.89	-256.88	-137.45	265.99	14.37	12.74	MWD
01	6,724.0	53.29	173.36	YNN	6,657.30	-280.90	-134.82	289.76	13.51	13.35	MWD
01	6,756.0	57.07	173.93	YNN	6,675.57	-307.00	-131.91	315.59	11.90	11.81	MWD
01	6,781.0	59.97	174.88	YNN	6,688.62	-328.22	-129.84	336.61	12.04	11.60	MWD
01	6,811.0	63.49	176.22	YNN	6,702.83	-354.55	-127.79	362.73	12.37	11.73	MWD
01	6,843.0	67.62	177.64	YNN	6,716.07	-383.64	-126.24	391.63	13.52	12.91	MWD
01	6,874.0	71.05	178.90	YNN	6,727.01	-412.62	-125.37	420.48	11.70	11.06	MWD
01	6,906.0	72.98	179.99	YNN	6,736.89	-443.06	-125.08	450.82	6.85	6.03	MWD
01	6,937.0	75.97	180.76	YNN	6,745.19	-472.92	-125.27	480.62	9.94	9.65	MWD
01	6,969.0	80.55	182.55	YNN	6,751.70	-504.23	-126.18	511.91	15.32	14.31	MWD
01	7,000.0	82.31	183.45	YNN	6,756.32	-534.84	-127.79	542.56	6.36	5.68	MWD
01	7,032.0	83.89	183.74	YNN	6,760.16	-566.55	-129.78	574.33	5.02	4.94	MWD
01	7,064.0	85.30	183.40	YNN	6,763.17	-598.34	-131.76	606.18	4.53	4.41	MWD
01	7,095.0	86.44	184.28	YNN	6,765.41	-629.19	-133.83	637.10	4.64	3.68	MWD
01	7,127.0	86.35	184.78	YNN	6,767.42	-661.03	-136.35	669.04	1.58	-0.28	MWD
01	7,148.0	86.26	184.20	YNN	6,768.77	-681.92	-138.00	689.99	2.79	-0.43	MWD
01	7,179.0	87.85	185.25	YNN	6,770.36	-712.77	-140.55	720.95	6.14	5.13	MWD
01	7,211.0	90.40	185.60	YNN	6,770.85	-744.62	-143.57	752.93	8.04	7.97	MWD

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Deviation Summary

Well Name: BRENNAN 14
TMD: 8,740.0 (ft) TVD: 6,744.64 (ft)
Closure Distance: 2,279.5 (ft) Closure Direction: 184.96 (°)
Location: 18- 7-S 21-E 26
Spud Date: 12/14/1996
Calculation Method: Minimum Curvature

S/T #											
										OH	178.66
										01	184.07
S/T #	TMD (ft)	Angle (°)	Azimuth (°)	CTM	TVD (ft)	N/-S (ft)	E/-W (ft)	Vert. Section (ft)	DLS (°/100ft)	BUR (°/100ft)	Type
01	7,242.0	92.42	186.13	YNN	6,770.09	-775.45	-146.74	783.91	6.74	6.52	MWD
01	7,274.0	93.03	185.52	YNN	6,768.57	-807.25	-149.98	815.86	2.69	1.91	MWD
01	7,305.0	93.21	185.34	YNN	6,766.88	-838.06	-152.91	846.80	0.82	0.58	MWD
01	7,337.0	92.86	184.55	YNN	6,765.19	-869.90	-155.66	878.75	2.70	-1.09	MWD
01	7,369.0	91.10	184.64	YNN	6,764.08	-901.77	-158.23	910.73	5.51	-5.50	MWD
01	7,400.0	90.66	184.81	YNN	6,763.61	-932.66	-160.78	941.72	1.52	-1.42	MWD
01	7,432.0	90.75	184.29	YNN	6,763.21	-964.56	-163.32	973.72	1.65	0.28	MWD
01	7,463.0	90.84	184.02	YNN	6,762.78	-995.48	-165.56	1,004.72	0.92	0.29	MWD
01	7,495.0	90.92	183.94	YNN	6,762.29	-1,027.40	-167.78	1,036.71	0.35	0.25	MWD
01	7,526.0	91.19	183.76	YNN	6,761.72	-1,058.32	-169.87	1,067.71	1.05	0.87	MWD
01	7,558.0	91.28	183.67	YNN	6,761.03	-1,090.25	-171.94	1,099.70	0.40	0.28	MWD
01	7,589.0	91.54	183.32	YNN	6,760.27	-1,121.18	-173.83	1,130.69	1.41	0.84	MWD
01	7,621.0	91.36	182.35	YNN	6,759.46	-1,153.13	-175.41	1,162.67	3.08	-0.56	MWD
01	7,653.0	90.48	182.26	YNN	6,758.94	-1,185.10	-176.70	1,194.65	2.76	-2.75	MWD
01	7,684.0	90.04	182.18	YNN	6,758.80	-1,216.08	-177.90	1,225.63	1.44	-1.42	MWD
01	7,716.0	90.13	181.65	YNN	6,758.76	-1,248.06	-178.97	1,257.61	1.68	0.28	MWD
01	7,747.0	90.13	181.47	YNN	6,758.69	-1,279.05	-179.81	1,288.58	0.58	0.00	MWD
01	7,763.0	90.40	181.53	YNN	6,758.61	-1,295.04	-180.23	1,304.57	1.73	1.69	MWD
01	7,794.0	90.40	181.10	YNN	6,758.39	-1,326.03	-180.94	1,335.53	1.39	0.00	MWD
01	7,826.0	89.78	180.57	YNN	6,758.34	-1,358.03	-181.41	1,367.48	2.55	-1.94	MWD
01	7,858.0	89.69	181.21	YNN	6,758.49	-1,390.02	-181.90	1,399.43	2.02	-0.28	MWD
01	7,889.0	89.96	180.36	YNN	6,758.59	-1,421.02	-182.33	1,430.38	2.88	0.87	MWD
01	7,921.0	89.86	181.00	YNN	6,758.64	-1,453.02	-182.71	1,462.32	2.02	-0.31	MWD
01	7,952.0	89.52	182.23	YNN	6,758.81	-1,484.00	-183.58	1,493.29	4.12	-1.10	MWD
01	7,984.0	89.69	182.77	YNN	6,759.03	-1,515.97	-184.98	1,525.28	1.77	0.53	MWD
01	8,016.0	89.72	182.85	YNN	6,759.19	-1,547.93	-186.55	1,557.27	0.27	0.09	MWD
01	8,047.0	89.69	182.89	YNN	6,759.35	-1,578.89	-188.10	1,588.26	0.16	-0.10	MWD
01	8,079.0	88.90	183.16	YNN	6,759.74	-1,610.85	-189.79	1,620.25	2.61	-2.47	MWD
01	8,110.0	89.34	183.09	YNN	6,760.22	-1,641.80	-191.48	1,651.25	1.44	1.42	MWD
01	8,142.0	91.90	184.10	YNN	6,759.87	-1,673.73	-193.48	1,683.24	8.60	8.00	MWD
01	8,174.0	90.48	183.38	YNN	6,759.21	-1,705.65	-195.57	1,715.23	4.98	-4.44	MWD
01	8,205.0	91.10	183.32	YNN	6,758.78	-1,736.60	-197.38	1,746.23	2.01	2.00	MWD
01	8,237.0	92.59	182.62	YNN	6,757.75	-1,768.54	-199.04	1,778.20	5.14	4.66	MWD

CONFIDENTIAL

Questar E & P

Deviation Summary

Well Name: BRENNAN 14
TMD: 8,740.0 (ft) TVD: 6,744.64 (ft)
Closure Distance: 2,279.5 (ft) Closure Direction: 184.96 (°)
Location: 18- 7-S 21-E 26
Spud Date: 12/14/1996
Calculation Method: Minimum Curvature

S/T #	V.S. AZI (°)
OH	178.66
01	184.07

S/T #	TMD (ft)	Angle (°)	Azimuth (°)	CTM	TVD (ft)	N/-S (ft)	E/-W (ft)	Vert. Section (ft)	DLS (°/100ft)	BUR (°/100ft)	Type
01	8,269.0	93.39	182.79	YNN	6,756.08	-1,800.46	-200.55	1,810.15	2.56	2.50	MWD
01	8,301.0	93.56	182.62	YNN	6,754.14	-1,832.36	-202.05	1,842.08	0.75	0.53	MWD
01	8,332.0	93.21	182.09	YNN	6,752.31	-1,863.28	-203.33	1,873.01	2.05	-1.13	MWD
01	8,364.0	92.59	181.65	YNN	6,750.69	-1,895.22	-204.37	1,904.95	2.37	-1.94	MWD
01	8,395.0	89.69	180.24	YNN	6,750.08	-1,926.21	-204.88	1,935.89	10.40	-9.35	MWD
01	8,427.0	89.43	180.15	YNN	6,750.32	-1,958.21	-204.99	1,967.82	0.86	-0.81	MWD
01	8,459.0	89.25	179.36	YNN	6,750.69	-1,990.21	-204.85	1,999.73	2.53	-0.56	MWD
01	8,491.0	89.43	178.84	YNN	6,751.06	-2,022.20	-204.35	2,031.60	1.72	0.56	MWD
01	8,522.0	90.84	178.75	YNN	6,750.99	-2,053.19	-203.70	2,062.47	4.56	4.55	MWD
01	8,554.0	91.10	178.57	YNN	6,750.44	-2,085.18	-202.95	2,094.32	0.99	0.81	MWD
01	8,585.0	91.63	178.84	YNN	6,749.71	-2,116.16	-202.25	2,125.18	1.92	1.71	MWD
01	8,617.0	91.80	178.57	YNN	6,748.75	-2,148.14	-201.53	2,157.02	1.00	0.53	MWD
01	8,649.0	91.71	178.22	YNN	6,747.77	-2,180.11	-200.63	2,188.85	1.13	-0.28	MWD
01	8,671.0	91.89	178.04	YNN	6,747.08	-2,202.09	-199.91	2,210.72	1.16	0.82	MWD
01	8,680.0	92.07	177.50	YNN	6,746.77	-2,211.08	-199.56	2,219.66	6.32	2.00	MWD
01	8,711.0	92.07	177.60	YNN	6,745.65	-2,242.03	-198.24	2,250.44	0.32	0.00	MWD
01	8,740.0	91.89	177.25	YNN	6,744.64	-2,270.98	-196.94	2,279.23	1.36	-0.62	MWD

43-047-32774

Questar E & P

Operations Summary Report - DRILLING

Well Name: BRENNAN 14
Location: 18- 7-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/14/1996
Rig Release: 3/7/2008
Rig Number: 72

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/5/2008	06:00 - 06:30	0.50	07		RIG SERVICE
	06:30 - 10:00	3.50	25		WAIT ON FISHING TOOLS
	10:00 - 13:00	3.00	06	B	TRIP IN HOLE WITH FISHING TOOLS
	13:00 - 15:30	2.50	05	G	LATCH ONTO FISH, 1 11/16" OVERSHOT AND GRAPLES WOULD NOT GO THROUGH WINDOW, MADE 1/8 TO 1/4 TORQUE TURNS ON STRING AND ATTEMPTED TO GET IN WINDOW, AFTER 360DEG OF TURNS WE APPLIED 3-5 OVER WEIGHT AND OVERSHOT CAUGHT WHIPSTOCK, SIT DOWN 20 OVER TO INSURE IT WAS ENGAUGED AND PULLED WHIPSTOCK, PICKED UP 15' AND SET DOWN TO ENSURE WE HAD WHIPSTOCK IN OVERSHOT
	15:30 - 18:00	2.50	06	B	TRIP OUT OF HOLE
	18:00 - 18:30	0.50	25		LAY DOWN FISHING TOOLS WITH WHIPSTOCK
	18:30 - 19:30	1.00	25		WAIT ON WIRE LINE TO SET PLUG
	19:30 - 23:00	3.50	11		WIRELINE, RUN GUAGE RING AND JUNK BASKET, RUN AND SET ALPHA CIBP PLUG @ 6310 RIG DOWN WIRELINE
	23:00 - 03:30	4.50	25		WAITING ON WHIPSTOCK TO ARRIVE FROM RIFLE
	03:30 - 06:00	2.50	06		PICK UP SMITH WHIPSTOCK AND TRIP IN HOLE
2/6/2008	06:00 - 10:00	4.00	06		TIH WITH SMITH WHIPSTOCK
	10:00 - 11:30	1.50	11		RIG UP POWER SWIVEL AND WIRELINE
	11:30 - 12:30	1.00	11		RUN WIIRE LINE TO ORIENTATE SMITH WHIPSTOCK
	12:30 - 13:00	0.50	25		ORIENT AND SET SMITH WHIPSTOCK TOP @6289 & 170.28 AZIMUTH
	13:00 - 14:30	1.50	11		PULL AND RIG DOWN WIRELINE
	14:30 - 17:30	3.00	25		MILL CASING WINDOW F/6289 T/6295 & 6' OF RAT HOLE
	17:30 - 21:30	4.00	05		CIRCULATE AND PUMP HIGH VISC SWEEPS, RIG SERVICE
	21:30 - 02:00	4.50	06		TRIP OUT OF HOLE WITH MILL, LD MILL AND SUBS
	02:00 - 06:00	4.00	25		WAIT ON MM & SCIENTIFIC DRILLING, DUMP SAND TRAP AND SETTLING PIT, BUILD VOLUME
2/7/2008	06:00 - 15:00	9.00	05		WAIT ON MM, DUMP& CLEAN SAND TRAP & SETTLING TANKS, CONDITION MUD, DUMP 275 BBL OF DRILLING FLUID, MAKE UP VOLUME FROM RESERVE PIT, ADJUST PROPERTIES (NEED TO BE <9.5PPG FOR NEW DRILL)
	15:00 - 16:30	1.50	06	J	PICK UP BHA
	16:30 - 17:30	1.00	25		WAIT ON PH-6 TO 2 7/8REG SWEDGE TO COME FROM VERNAL (FISHING TOOL CO MADE OFF WITH OTHER)
	17:30 - 18:00	0.50	08		REBUILD POP OFF ON #1 PUMP
	18:00 - 22:00	4.00	06		TRIP IN HOLE TO 6294
	22:00 - 00:00	2.00	11		PICK UP SWIVEL, INSTALL PACK OFF & WIRELINE
	00:00 - 02:00	2.00	25		FILL PIPE, DRILL STRING PLUGED OFF, PRESSURED UP FROM 700 TO 1700PSI AND WOULD BLEED OFF SLOW, SURGED FLUID BY OPENING 2" BLEED OFF LINE QUICKLY, DID NOT HELP
	02:00 - 06:00	4.00	06		POOH WET, PLUGED DRILL STRING
2/8/2008	06:00 - 08:00	2.00	06		POOH WET WITH PLUGGED DRILL STRING
	08:00 - 09:30	1.50	25		CLEAN SCALE OUT OF BHA, BHA FILLED WITH PIPE SCALE FROM TOP UBHO SUB TO BIT
	09:30 - 10:30	1.00	06	J	SURFACE TEST MWD, HAD TO RECYCLE PUMPS TO GET MWD TO SYNC, SHALLOW TEST OK
	10:30 - 17:30	7.00	06		TIH,CIRCULATING OVER TOP OF HOLE WITH CHARGE PUMP, BREAK CIRCULATION EVERY 500 FT. CLEAR DRILL PIPE OF ALL LOOSE SCALE, PRESS GAUGE SHOWING IRRATIC PRESSURE READINGS AS SCALE GOES THROUGH BIT
	17:30 - 18:00	0.50	06		RIG UP POWER SWIVEL @ 6264
	18:00 - 19:00	1.00	05		FILL PIPE CIRCULATE BTTM UP 6275, OBSERVED A COUPLE MORE PRESSURE SPIKES
	19:00 - 19:30	0.50	10	D	PICK UP GYRO AND RUN IN TO 3000 SURFACE TEST GYROO, OK
	19:30 - 20:00	0.50	05		CIRCULATAE SURFACE TO BIT

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Operations Summary Report

Well Name: BRENNAN 14
Location: 18- 7-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/14/1996
Rig Release: 3/7/2008
Rig Number: 72

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/8/2008	20:00 - 20:30	0.50	11		RUN GYRO DOWN TO 6100
	20:30 - 21:00	0.50	05		PUMP SURFACE TO BIT
	21:00 - 22:30	1.50	10	D	SEAT GYRO, ATTEMPT TO ORIENT THROUGH WINDOW , LIGHTLY SET DOWN ON WINDOW, WHIPSTOCK, WITH ORIENTED BHA, TURNED TO RIGHT SLIGHTLY, TURNED TO LEFT SLIGHTLY, PUMPED AT MINIMUM PUMP SPEED OF 52 STKS, COULD FEEL BIT CATCHING ON BTM. PUMPING @ 73 GPM, SET DOWN IT WOULD STALL OUT MM AND PRESSURE UP
	22:30 - 23:30	1.00	10	D	PULL OUT AND LD GYRO
	23:30 - 04:00	4.50	06		PUMP DRY PILL, POOH LAY DOWN DIRECTIONAL TOOLS
	04:00 - 06:00	2.00	25		WAIT ON SMITH TRI MILL TO COME FROM RIFLE
2/9/2008	06:00 - 10:00	4.00	25		WAIT ON SMITH TRI MILL TO ARRIVE FROM RIFLE
	10:00 - 10:30	0.50	06	J	PICK UP SMITH TRI MILL
	10:30 - 15:30	5.00	06		TRIP IN HOLE WITH MILL ASSEMBLY, BREAKING CIRC AND PUMPING SURF TO MILL EVERY 1000'
	15:30 - 16:00	0.50	06		PICK UP POWER SWIVEL
	16:00 - 03:30	11.50	03		WASH AND REAM WITH SMITH TRI MILL ASSEMBLY F/6280 T/6301 MADE IT TO NEW FORMATION PENETRATION RATE STOPPED
	03:30 - 06:00	2.50	05		PUMP TWO BACK TO BACK 80 VIS SWEEPS WHILE ROTATING AND WORKING MILL BACK AND FORTH THROUGH WINDOW
2/10/2008	06:00 - 10:00	4.00	06		POOH WITH SMITH TRI MILL ASSEMBLY, PILOT PDC MILL WORN 3/16 UNDER GAUGE, SECONDARY MILL STILL IN GUAGE, MELON MILL WORN SLIGHTLY 1/16 UNDER GAUGE
	10:00 - 10:30	0.50	07		RIG SERVICE
	10:30 - 12:00	1.50	06	J	PICK UP SMITH CARBIDE TRI MILL
	12:00 - 15:00	3.00	07		SLIP AND CUT DRILLING LINE, TEST CROWN SAVER
	15:00 - 19:30	4.50	06		TRIP IN HOLE, CIRCULATE DP DISPLACEMENT EVERY 10 STANDS
	19:30 - 23:30	4.00	02		DRILL WITH SMITH CARBIDE TRI MILL F/6301 T/6307
	23:30 - 02:00	2.50	05		CIRCULATE TWO 20BBL 80VIS SWEEPS BACK TO BACK WHILE ROTATING AND WORKING MELON MILL BACK AND FORTH THROUGH WINDOW, THEN SLIPPED THROUGH WITHOUT ROTATING 3 TIMES, NO STACKING OR HANGING THROUGH THE WINDOW
	02:00 - 06:00	4.00	06		TRIP OUT OF HOLE WITH SMITH TRI MILL AND LAY DOWN SAME, FIRST 2 MILLS IN GAUGE, MELON MILL 1/16 UNDER GAUGE
2/11/2008	06:00 - 10:30	4.50	06		PICK UP MM, MWD, SCRIBE & TIH
	10:30 - 11:00	0.50	07		RIG SERVICE
	11:00 - 12:30	1.50	06		TIH T/6295 DISPLACE DP EVERY 10 STDS
	12:30 - 14:30	2.00	11		PICK UP POWER SWIVEL AND WIRELINE, RUN WIRELINE T/6100 AND DISPLACE DP
	14:30 - 02:00	11.50	05	A	TRIP T/6307, PU TO ORIENT AND SLIDE F/6307 T/6361, WOB 8-10, 70STK, 79DHRPM, SPP 1300
	02:00 - 03:00	1.00	05		CIRCULATE BOTTOMS UP PRIOR TO PULLING GYRO AND MAKING CONNECTION
	03:00 - 05:00	2.00	10	D	PULL GYRO UP INTO KELLY JOINT, MAKE 60 FT CONNECTION, RUN GYRO BACK TO BOTTOM, RESEAT GYRO 2.1 INC 164.4 AZ @ SURVEY DEPTH 6296
	05:00 - 06:00	1.00	05	A	SLIDE F/6361T/6368, WOB 8-10, 70STK, 79DHRPM, SPP 1300
2/12/2008	06:00 - 11:00	5.00	05	A	SLIDE F/6368 T/6409, WOB 6-12, 70STK, 79DHRPM, SPP 1300
	11:00 - 12:30	1.50	11		POOH RD WIRE LINE AND GYRO SERVICE
	12:30 - 06:00	17.50	05	A	SLIDE F/6409, T/6455, MWD SURVEY @ 6413 INC 17.67 AZ 175.5, ROTATE F/6455 T/6460, SLIDE F/6460 T/6487, MWD SURVEY @ 6445 INC 22.69 AZ 180.68 PUMP 20 BBL 60 VIS SWP, ROT F/6487 T/6492 SLIDE F/6492 T/6517 WOB 11-14, 70STK, 79DHRPM, SPP 126O
2/13/2008	06:00 - 16:30	10.50	05	A	SLIDE F/6517, T6550/, MWD SURVEY @ 6508 INC 29.63 AZ 185.69, ROTATE F/6550 T/6557, SLIDE F/6557 T/6581, MWD SURVEY @ 6539 INC 32.45 AZ 184.99,

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Operations Summary Report

Well Name: BRENNAN 14
Location: 18- 7-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/14/1996
Rig Release: 3/7/2008
Rig Number: 72

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/13/2008	06:00 - 16:30	10.50	05	A	PULLED UP 30', MOVING DRILL PIPE, PUMP 30 BBL 60 VIS SWP, WOB 6-14, 73STK, 83DHRPM, SPP 1039 SAFETY MEETING TOPIC: PINCH POINTS, SLIPS TRIPS AND BACK STRAINS.
	16:30 - 17:30	1.00	05		PULLED UP 30', MOVING DRILL PIPE, PUMP 30 BBL 60 VIS SWP, CIRCULATE AND CLEAN HOLE PRIOR TO TOH FOR BIT CHANGE.
	17:30 - 19:00	1.50	05		MIXED HEAVY WEIGHT (1.5 PPG) PILL AND LOST IT INTO MUD VOLUME. FOUND VALVE SEAL LEAKING AND REPAIRED. CHARGE PUMP WAS LEFT ON DUMPING PILL VOLUME INTO SYSTEM. SHUT DOWN AND BUILT NEW PILL. KEPT PIPE MOVING 30' FROM BOTTOM.
	19:00 - 19:30	0.50	05	A	PUMPED 1.5 PPG DRY PILL.
	19:30 - 23:00	3.50	06		TOOH W/ DIRECTIONAL ASSEMBLY. PULLED DIRECTIONAL MOTOR AND BIT UP THROUGH CASING WINDOW AND DIDN'T SEE ANY WEIGHT OR OVER-PULL. LAY DOWN BHA, BIT IN GOOD CONDITION
	23:00 - 00:30	1.50	06	J	PICK UP NEW MONEL, FLEX NMDC, UBHO,FLOAT SUB, ORIENT MWD
	00:30 - 01:00	0.50	06	J	SHALLOW PULSE TEST MWD TOOLS
	01:00 - 06:00	5.00	06		TIH, PUMP DP DISPLACEMENT EVERY 10 STDS
2/14/2008	06:00 - 07:00	1.00	06		FINISH TIH W/ BHA #4
	07:00 - 07:30	0.50	06		PICK-UP POWER SWIVEL
	07:30 - 08:00	0.50	10	E	PULSE TEST MWD
	08:00 - 13:30	5.50	05	A	ROTATE F/6581 T/6585, SLIDE F/6585 T/6609,
	13:30 - 14:00	0.50	07		SERVICE AND LUBRICATE RIG
	14:00 - 06:00	16.00	05	A	MAKE CONNECTION, MWD SURVEY @ 6567 INC 35.17 AZM 183.49 ROTATE F/6609 T/6613, SIDE F/6613 T/6641, MWD SURVEY@ 6599 INC 38.43 AZM 181.21, ROTATE F/6641 T/ 6645, SLIDE F/6645 T/ 6675.
2/15/2008	06:00 - 13:30	7.50	05	A	SURVEY @ 6630 INC 41.68 AZM 178.57 TVD 6593, ROTATE F/6672 T/6675 (3'), SLIDE F/6675 T/6704 (29')
	13:30 - 03:30	14.00	05	A	MAKE CONNECTION AND SURVEY @ 6662 INC 45.20 AZM 176.99, TVD 6616.82, ROTATE F/6704 T/6709 (5'), SLIDE F/6709 T6735 (26'), MAKE CONNECTION AND SURVEY @ 6693 INC 49.15, AZM 174.18, ROTATE F/6735 T/6739 (4'), SLIDE F/6739 T/6756 (17)
	03:30 - 06:00	2.50	20		SWIVEL ACTS LIKE THE BREAK CONTROL IS FROZEN BUT ALCOHOL WAS POUR AND AIR LINES ARE OPEN. SWIVEL WILL NOT HOLD POSSITION. PULLED BIT UP INTO CASING @ 6170, DID NOT SEE ANY OVERPULL WHILE GOING THROUGH WINDOW, CIRCULATE WHILE REPAIRING SWIVEL.
2/16/2008	06:00 - 06:30	0.50	20		Repaired hydraulic control valve for power swivel
	06:30 - 07:00	0.50	06		TIH F/6170, DID NOT SEE ANY DRAG THROUGH WINDOW.
	07:00 - 07:30	0.50	05	A	PU POWER SWIVEL
	07:30 - 16:30	9.00	05	A	SLIDE F/6756 T/6766 (10), MAKE CONNECTION, SURVEY @ 6724 INC 53.29 AZM 173.36, ROTATE F/6766 T/6773 (7') SLIDE F/6773 T/6798 (25') MAKE CONNECTION, SURVEY @ 6756 INC 57.07 AZM 173.93.
	16:30 - 17:00	0.50	07		SERVICE AND LUBRICATE RIG, CHANGE ROTORY GASKET
	17:00 - 23:00	6.00	05	A	ROTATE F/6798 T/6802 (4') SLIDE F/6802 T/6823 (21'), STARTED SEEING TORQUE SPIKES AND PICK UP OFF BTM 2', MDW SURVEY @ 6781INC 59.97 AZM 174.88,
	23:00 - 00:00	1.00	05		MIX & PUMP 2 PPG 20 BBL DRY PILL, STAND BACK KELLY, PREPARE TO TOOH FOR BIT.
	00:00 - 06:00	6.00	05	A	TOOH W/ BHA #5, PULLED 13K OVER 2.5 STANDS OUT @ 6572. NO OVER PULL COMMING THROUGH WINDOW. SINGLE DOWN DRILL STRING DUE TO INTERNAL SCALE THAT WAS IN THE PIPE WHEN DELIVERED FROM WEATHERFORD. RU FRANK'S LAY DOWN, NEW PIPE ON LOCATION
2/17/2008	06:00 - 09:00	3.00	06		TRIP IN HOLE W/ 67 JTS OF 2 7/8" 10.4# S135 & G105 DRILL PIPE —.5HRS, SAFETY MEETING W/ FRANKS AND ENSIGN CREWS, RU FRANKS LAYDOWN EQUIPMENT— 2.5 HRS.

CONFIDENTIAL

Operations Summary Report

Well Name: BRENNAN 14
Location: 18- 7-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/14/1996
Rig Release: 3/7/2008
Rig Number: 72

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/17/2008	09:00 - 09:30	0.50	07		LUBRICATE RIG, THAW IRON ROUGHNECK
	09:30 - 14:00	4.50	06		LAY DOWN 67 JTS OF SCALE FILLED WHEATHERFORD 2 7/8" AOH DRILL PIPE. LOADED ON TWO TRUCKS AND SENT BACK TO WHEATHERFORD.
	14:00 - 16:00	2.00	06	A	BREAK OUT 4 3/4" H.C. STX-20 IADC 517 DRILL BIT, BIT HAD 269K REVS AND PULLED IN GOOD SHAPE. PU NEW H.C. 4 3/4" 404 ZX AND FRESH PATHFINDER MOTOR SERIAL # 3836, 1.5 DEGREE FIXED, .806 REV PER GALLON, 80-160 GPM. SURFACE PUMP TEST MOTOR AND MWD.
	16:00 - 04:00	12.00	06		TIH W/ 118 JTS OF 2 7/8" 7.9# HYDRIL PH-6, 45 JTS OF 2 7/8" 99.9# HWDP, AND NEW 2 7/8" 10.4# DRILL PIPE. FILL PIPE EVERY 20 STANDS. STARTED TO SET DOWN @ 6,720,
	04:00 - 06:00	2.00	03		WASH AND REAM FROM 6720 TO 6823' (103')
2/18/2008	06:00 - 06:30	0.50	03		WASH AND REAM F/6818 T/6823 (5')
	06:30 - 07:00	0.50	10		MAKE CONNECTION AND SURVEY @ 6811 INC 63.49, AZM 176.22,
	07:00 - 11:00	4.00	05	A	SLIDE F/6822 T/6853 (31')
	11:00 - 14:30	3.50	05	A	SLIDE F/6853 T/6856 (3') ROTATE F/6856 T/6861 (5') SLIDE F/6861 T/6885 (24')
	14:30 - 15:00	0.50	07		RIG SERVICE
	15:00 - 19:00	4.00	05	A	ROTATE F/6885 T/6901 (16') SLIDE F/6901 T/6916 (15')
	19:00 - 19:30	0.50	10		SURVEY @ 6843 INC 67.62, AZM 177.64
	19:30 - 00:30	5.00	05	A	ROTATE F/6916 T/6931(15') SLIDE F/6931 T/6947 (16')
	00:30 - 01:00	0.50	10		SURVEY @ 6874 INC 71.05, AZM 178.90
	01:00 - 05:30	4.50	05	A	ROTATE F/6947 T/ 6950 (3') SLIDE F/695O T/6975 (25)
	05:30 - 06:00	0.50	10		MWD SURVEY 6906 INC 72.98, AZM 179.99
2/19/2008	06:00 - 07:00	1.00	05	A	SLIDE F/6977 T/6979 (2')
	07:00 - 07:30	0.50	10		MAKE CONNECTION AND SURVEY @ 6937 INC 75.97, AZM 180.76
	07:30 - 11:00	3.50	05	A	ROTATE F/6979 T/6999 (20') SLIDE F/6999 T/7011 (12')
	11:00 - 11:30	0.50	07		SERVICE AND LUBRICATE RIG / FUNCTION ANNULAR
	11:30 - 12:00	0.50	10		MAKE CONNECTION AND SURVEY @ 6969 INC 80.55 AZM 182.55
	12:00 - 14:00	2.00	05	A	ROTATE F/7011 T/7038 (27'), SLIDE F/7038 T/7042 (4')
	14:00 - 14:30	0.50	10		MAKE CONNECTION AND SURVEY @ 7000 INC 82.31, AZM 183.45
	14:30 - 15:00	0.50	05	A	ROTATE F/7042 T/7050 (8')
	15:00 - 05:00	14.00	08		PUMP FAILURE, PULLED 8 STANDS UP INTO CASING, PUMP #1 SWAB FAILURE AND PUMP #2 VALVE WASH OUT. WAITING ON PARTS, REPAIR PUMP #1, TIH TO 6727 STATED TAKING WT. RU SWIVEL, SLIDE AND WASH TO 7050 (323')
	05:00 - 06:00	1.00	05	A	ROTATE F/7050 T7060 (10')
2/20/2008	06:00 - 08:00	2.00	05	A	SLIDE F/7060 T/7074 (14')
	08:00 - 08:30	0.50	10		MAKE CONNECTION AND SURVEY @ 7032' INC 83.89 AZM 183.74
	08:30 - 20:30	12.00	05	A	ROTATE F/7074 T/7097 (23') SLIDE F/7097 T/7106 (9')
	20:30 - 21:00	0.50	07		SERVICE RIG
	21:00 - 21:30	0.50	10		SURVEY @ 7064 INC 85.30 AZM 183.40
	21:30 - 00:30	3.00	05	A	ROTATE F/7106 T/7129 (23') ENTER G1 LIMESTONE @ APPROX 7118'
	00:30 - 01:00	0.50	10		CHECK SHOT SURVEY
	01:00 - 04:30	3.50	05	A	SLIDE F/7129 T/7137 (8')
	04:30 - 05:00	0.50	10		SURVEY @ 7095, INC 86.44, AZM 184.28
	05:00 - 06:00	1.00	05	A	ROTATE F/7137 T/7140 (3')
2/21/2008	06:00 - 08:30	2.50	05	A	ROTATE F/7138 T/7169 (31')
	08:30 - 09:00	0.50	07		SERVICE RIG
	09:00 - 09:30	0.50	10		MAKE CONNECTION AND SURVEY @ 7127 INC 86.36 AZM 184.78
	09:30 - 20:30	11.00	05	A	SLIDE F/7169 T/7173 (4') ROTATE F/7173 T/7177 (4') SLIDE F/7177 T/ 7185 (8')
	20:30 - 21:30	1.00	10		SURVEY CHECK SHOT
	21:30 - 23:00	1.50	05		MIX & PUMP 20BBLS DRY PILL, RIG DOWN POWER SWIVEL
	23:00 - 03:30	4.50	06		TOOH DUE TO MWD FAILURE DID NOT SEE ANY DRAG THROUGH WINDOW
	03:30 - 04:00	0.50	06	J	BREAK OUT BIT (LOOKED NEW) AND LAY OUT MUD MOTOR

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Operations Summary Report

Well Name: BRENNAN 14
Location: 18- 7-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/14/1996
Rig Release: 3/7/2008
Rig Number: 72

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/21/2008	03:30 - 04:00	0.50	06	J	
	04:00 - 05:30	1.50			PICK UP NEW MUD MOTOR, CHANGE OUT BATTERY IN MWD AND PULSER. RERAN 404ZX
	05:30 - 06:00	0.50			PU FLEX JT & ORIENTATE NEW MWD AND SHALLOW PULSE TEST. NOTE: LOST 145 BBLS OF MUD TO HOLE ON TOOH.
2/22/2008	06:00 - 07:30	1.50	06		SAFETY MEETING W/ CREW, TIH W/ BHA, FUNCTION TEST CROWN-O-MATIC/ FILL EVERY 2000'.
	07:30 - 09:00	1.50	06		ORDERS TO STAND BACK 16 STANDS OF 2 7/8" 7.9# P-110 PH-6 AND SHORTIN DISTANCE BETWEEN HWDP AND BIT.
	09:00 - 10:00	1.00	06		TIH W/ BHA ON 31 STANDS OF 2 7/8" HYRIL PH-6.
	10:00 - 11:00	1.00	05	B	CHANGE OUT WEATHERFORD ROTATING HEAD RUBBER.
	11:00 - 12:00	1.00	06		TIH W/ 14 STANDS OF 2 7/8" HWDP.
	12:00 - 13:00	1.00	08		WORK ON WEIGHT INDICATOR AND CHANGE OUT 4" VALVE ON #1 PUMP.
	13:00 - 19:00	6.00	06		TIH PU AND SINGLE IN 45 JTS OF 2 7/8" AOH 10.4PPF DRILL PIPE. DID NOT FEEL WINDOW W/ BHA.
	19:00 - 21:30	2.50	03		WASH AND REAM FROM 7,148 TO 7,185 (37')
	21:30 - 22:00	0.50	10		BENCH MARK SURVEY AND RELOG FROM 7,175 TO 7185 (10')
	22:00 - 00:30	2.50	05	A	SLIDE FROM 7,185 TO 7,193 (8')
	00:30 - 01:00	0.50	10		SURVEY AND MAKE CONNECTION
	01:00 - 04:00	3.00	05	A	ROTATE DRILL FROM 7,193 TO 7,208 (15')
	04:00 - 06:00	2.00	05	A	SLIDE FROM 7,208 TO 7,215 (7')
2/23/2008	06:00 - 13:30	7.50	05	A	SLIDE F/7215 T/7224 (9')
	13:30 - 14:00	0.50	07		SERVICE & LUBRICATE RIG
	14:00 - 14:30	0.50	10		MAKE CONNECTION AND SURVEY @ 7179' INC 87.85 AZM 185.25
	14:30 - 17:00	2.50	05	A	ROTATE F/7224' T/ 7240' (16'),
	17:00 - 17:30	0.50	10		SURVEY @ 7195' INC 88.5 AZM 185.43, PROJECTION AT BIT @ 7240' INC 90.5, AZM 186.5
	17:30 - 21:00	3.50	05	A	SLIDE F/7240' T/7,252 (12')
	21:00 - 22:00	1.00	05	A	ROTATE F/7,252 TO 7,256 (4')
	22:00 - 22:30	0.50	10		MAKE CONNECTION AND SURVEY @ 7,211' INC 90.4 AZI 185.60
	22:30 - 00:00	1.50	05	A	ROTATE F/7,256 TO 7,271 (15')
	00:00 - 00:30	0.50	10		SURVEY CHECK SHOT
	00:30 - 02:00	1.50	05	A	SLIDE F/7,271 TO 7,276 (5')
	02:00 - 03:00	1.00	05	A	ROTATE F/7,276 TO 7,287 (11')
	03:00 - 03:30	0.50	10		SURVEY @ 7,247' INC 92.42 AZI 186.13
	03:30 - 06:00	2.50	05	A	ROTATE F/7,287' TO T/7310' (23') NOTE: 404ZX DOES NOT SEEM TO BE THE PROPER SELECTION FOR DRILLING LIMESTONE. AN IADC 537 OR HDS4 PDC W/ 8 MM CUTTERS WOULD BE BEST.
2/24/2008	06:00 - 07:00	1.00	05	A	ROTATE F/7310' T/7319' (9')
	07:00 - 07:30	0.50	10		MAKE CONNECTION AND SURVEY@ 7274' INC 93.03, AZM 185.52.
	07:30 - 08:30	1.00	05	A	SLIDE F/7319' T/7323 (4')
	08:30 - 11:30	3.00	05	A	ROTATE F/7323' T/7350' (27')
	11:30 - 12:00	0.50	07		SERVICE & LUBRICATE RIG
	12:00 - 12:30	0.50	10		MAKE CONNECTION AND SURVEY @ 7305' INC 93.21, AZM 185.34
	12:30 - 13:30	1.00	05	A	SLIDE F/7350 T/7354 (4')
	13:30 - 15:00	1.50	05	A	ROTATE F/7354 T/7370 (16')
	15:00 - 18:00	3.00	05	A	SLIDE F/7370' T/7378' (5')
	18:00 - 18:30	0.50	05	A	ROTATE F/7378' T/7382' (4')
	18:30 - 19:00	0.50	10		MAKE CONNETION AND SURVEY @ 7337' INC 92.86 AZM 184.55
	19:00 - 22:00	3.00	05	A	ROTATE F/7382 T/7414' (32')
	22:00 - 22:30	0.50	10		MAKE CONNETION AND SURVEY @ 7369' INC 91.10 AZM 184.64
	22:30 - 01:00	2.50	05	A	ROTATE F/7414' T/7445' (31')
	01:00 - 01:30	0.50	10		MAKE CONNETION AND SURVEY @ 7400' INC 90.66 AZM 184.81

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Operations Summary Report

Well Name: BRENNAN 14
Location: 18- 7-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/14/1996
Rig Release: 3/7/2008
Rig Number: 72

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/24/2008	01:30 - 03:30	2.00	05	A	ROTATE F/7445' T/7477 (32')
	03:30 - 04:00	0.50	10		MAKE CONNECTION AND SURVEY @ 7432' INC 90.75 AM 184.29
	04:00 - 06:00	2.00	05	A	ROTATE F/7477 T/7500' (23')
2/25/2008	06:00 - 07:30	1.50	05	A	ROTATE F/7497' T/7508' (11')
	07:30 - 08:00	0.50	10		MAKE CONNECTION AND SURVEY @ 7463' INC 90.84 AZM 184.02
	08:00 - 10:30	2.50	05	A	ROTATE F/7508' T/7540' (32')
	10:30 - 11:00	0.50	10		MAKE CONNECTION AND SURVEY @ 7495' INC 90.92 AZM 183.94
	11:00 - 14:00	3.00	05	A	ROTATE F/7540' T/7571' (31')
	14:00 - 14:30	0.50	05	A	MAKE CONNECTION AND SURVEY @ 7526' INC91.19, AZM 183.76
	14:30 - 17:00	2.50	05	A	ROTATE F/7571' T/7590' (19')
	17:00 - 21:00	4.00	08		RECEIVED WORD FROM ENSIGN DRILLING THAT THE RIG WAS BEING SHUT DOWN TO REPLACE #1 PUMP. NOTIFIED QUESTAR, PULLED UP 15 STANDS INTO CASING. ENSIGN STARTED RIGGING DOWN POWER PLANT, PUMP LINES, MOVED CREW DOG HOUSE, DISCONNECTED ALL POWER, RD HALLIBURTON. RECEIVED WORD FROM ENSIGN THAT THEY WERE HOOKING EVERYTHING BACK UP SO WE STARTED BACK IN THE HOLE, RU EQUIPMENT, RU HALLIBURTON, STARTED TIH TAKING WEIGHT ON 9TH STAND, RU SWIVEL AND WASHED STAND #9 DOWN, STOOD BACK SWIVEL AND STARTED TIH W/ REMAINING 8 STANDS. REPAIR 2" STAND PIPE NIPPLE. PU SWIVEL AND WASH LAST STAND TO TD.
	21:00 - 22:00	1.00	05	A	ROTATE F/7590 T/7,603' (13')
	22:00 - 22:30	0.50	10		MAKE CONNECTION AND SURVEY @ 7558' INC 91.28, AZM 183.67
	22:30 - 00:30	2.00	05	A	ROTATE F7,603' T/7,620' (17')
	00:30 - 03:00	2.50	05	A	SLIDE F/7,620' T/7,625' (5')
	03:00 - 04:00	1.00	05	A	ROTATE F/7,620 T/7,634' (14')
	04:00 - 04:30	0.50	10		MAKE CONNECTION AND SURVEY @ 7589' INC 91.54, AZM 183.32
	04:30 - 05:30	1.00	05	A	SLIDE F/7,634' T/7639 (5')
	05:30 - 06:00	0.50	05	A	ROTATE F/7639' T/7641' (2')
2/26/2008	06:00 - 08:30	2.50	05	A	ROTATE F/7641 T/7660 (19')
	08:30 - 09:30	1.00	05	A	SLIDE F/7660 T/7664' (4')
	09:30 - 10:00	0.50	05	A	ROTATE F/7664' T/7666' (2')
	10:00 - 10:30	0.50	10		MAKE CONNECTION AND SURVEY @ 7621' INC 91.36, AZM 182.35
	10:30 - 13:30	3.00	05	A	ROTATE F/7666 T/7698' (32')
	13:30 - 14:00	0.50	07		RIG SERVICE & LUBRICATE
	14:00 - 14:30	0.50	10		MAKE CONNECTION AND SURVEY @ 7653' INC 90.48, AZM 182.26
	14:30 - 16:30	2.00	05	A	ROTATE F/7698' T/7729' (31')
	16:30 - 17:00	0.50	10		MAKE CONNECTION AND SURVEY @ 7684' INC 90.04, AZM 182.18
	17:00 - 20:00	3.00	05	A	ROTATE F/7729' T/7761' (32')
	20:00 - 20:30	0.50	10		MAKE CONNECTION AND SURVEY @ 7716' INC 90.13, AZM 181.65
	20:30 - 23:30	3.00	05	A	ROTATE F/7761' T/7792' (31')
	23:30 - 00:00	0.50	10		MAKE CONNECTION AND SURVEY @ 7747' INC 90.13, AZM 181.47
	00:00 - 02:00	2.00	05	A	ROTATE F/7792' T/7806' (14')
	02:00 - 02:30	0.50	10		MAKE CONNECTION AND SURVEY @ 7761' INC 90.31, AZM 181.38
	02:30 - 03:30	1.00	06		TOH TO WINDOW @ 6,250'
	03:30 - 04:00	0.50	05		SPOT 15BBLS LCM PILL
	04:00 - 04:30	0.50	06		PULL 5 STANDS
	04:30 - 06:00	1.50	06		PUMP SLUG AND TOH
2/27/2008	06:00 - 09:30	3.50	06		FINISH TOOH, L/D MWD, MONEL, MOTOR AND BIT. CLOSED BLIND RAMS AND LINED UP VALVES TO CIRCULATE ACROSS WELL HEAD THROUGH KILL LINE BACK ACROSS SHAKER W/ HALLIBURTON @ 1 BPM.
	09:30 - 10:00	0.50	05		P/U SWIVEL AND HANG TO CHANGE PACKING. HELD SAFETY MEETING W/ HALLIBURTON AND START CIRCULATION ACROSS WELL HEAD WHILE SHUT IN FOR PUMP CHANGE.

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Operations Summary Report

Well Name: BRENNAN 14
Location: 18- 7-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/14/1996
Rig Release: 3/7/2008
Rig Number: 72

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/27/2008	10:00 - 10:30	0.50	07		SERVICE AND LUBRICATE RIG
	10:30 - 23:00	12.50	08		RD AND CHANGE OUT PUMP #1, CHANGE OUT SWIVEL PACKING, HANG BLOCKS AND HOOK UP NEW WEIGHT INDICATOR. STARTED CHARGE PUMP & NEW PUMP #3. SWITCHED OVER FROM HALLIBURTON TO CHARGE PUMP ON KEEPING HOLE FULL. RD HALLIBURTON AND RELEASED. WELDED 2" PRESSURE SENSOR NIPPLE INTO COLLAR IN STAND PIPE.
	23:00 - 05:00	6.00	15		RU B&C QUICK TEST TO PRESSURE TEST BOPE, WENT THROUGH ENTIRE BPOE SYSTEM, CHECKING FOR LEAKS AND PRESSURE TESTING. B&C DIDN'T HAVE THE PROPER X-OVER ABOVE TEST PLUG SO WE HAD TO ORDER OUT 2 7/8" PUP JTS AND 2 7/8" ELEVATORS TO FINISH TESTING PIPE RAMS. ALL COMPONENTS TESTED GOOD. RD B&C QUICK TEST.
	05:00 - 06:00	1.00	06		P.U. SMITH 4.750" M20PX BIT, BICO 3.750" MOTOR (.83 REV/GAL) 1.5DEG ADJ,
2/28/2008	06:00 - 07:30	1.50	06	J	PICK UP DIRECTIONAL TOOLS, SCRIBE AND ORIENT
	07:30 - 08:00	0.50	06	J	SHALLOW TEST MWD, TEST GOOD
	08:00 - 14:30	6.50	06		TRIP IN HOLE, FILL DP EVERY 2000 FT.
	14:30 - 15:00	0.50	06		PICK UP POWER SWIVEL
	15:00 - 16:00	1.00	03		WASH AND REAM F/7750 T/7806
	16:00 - 17:00	1.00	02		DRILLING SLIDE F/7806 T/7810 - 4', CONNECTION, SURVEY @ 7763 INC 90.40 AZ 181.53
	17:00 - 20:30	3.50	02		SLIDE F7810 T/7816 - 6'
	20:30 - 22:00	1.50	02		ROTATE F/7816 T/7829 - 13'
	22:00 - 23:00	1.00	02		SLIDE F/7829 T/7834 - 5'
	23:00 - 00:00	1.00	02		ROTATE F/7834 T/7841 - 7', CONNECTION, SURVEY @ 7794 INC 90.40 AZ 181.10
	00:00 - 02:00	2.00	02		ROTATE F/7841 T/7873 - 32', CONNECTION, SURVEY @ 7826 INC 89.78 AZ 180.57 GAMMA 69.76
	02:00 - 04:30	2.50	02		ROTATE F/7873 T/7905 - 32', CONNECTION, SURVEY @ 7858 INC 89.69 AZ 181.21
	04:30 - 06:00	1.50	02		ROTATE F/7905 T/7922 - 17', TOTAL MUD LOSS 24HRS - 95BBL ROTATING & SLIDING SPP~2150
2/29/2008	06:00 - 07:00	1.00	02		DRLG ROTATE F/7922 T/ 7936 (14'), CONNECTION, SURVEY @ 7889 INC 89.96
	07:00 - 12:30	5.50	02		DRLG SLIDING F/ 7936 T/7950 (14')
	12:30 - 19:30	7.00	02		DRLG ROTATE F/7950 T/78009 (59'), SURVEY@ 7921 INC 89.86 AZ 181.0, SURVEY @ 7952 INC 89.52 AZ 182.23
	19:30 - 21:00	1.50	02		DRLG SLIDING F/8009 T/8012 (3')
	21:00 - 21:30	0.50			RIG SERVICE
	21:30 - 02:30	5.00	02		DRLG ROTATE F/8012 T/ 8068 (56'), SURVEY @ 7984NC 89.69 AZ 182.77 SURVEY @ 8016 INC 89.78 AZ 182.75
	02:30 - 03:30	1.00	02		DRLG SLIDING, ATTEMTED TO SLIDE DID NOT GAIN ANY FOOTAGE. TRIED TO SLIDE WITH 0 - 34,000 DOWN WEIGHT, NO WEIGHT GETTING TO BIT
	03:30 - 06:00	2.50	02		DRLG ROTATE F/8068 T/8100 (32')
3/1/2008	06:00 - 10:30	4.50	02		DRLG SLIDE F/8100 T/8105 (5FT)
	10:30 - 13:00	2.50			DRLG ROTATE F/8105 T/8126 (21FT) CONNECTION SURVEY @8047 INC 89.69 AZI 182.89, SPP 2200
	13:00 - 13:30	0.50	07		RIG SERVICE
	13:30 - 01:00	11.50	02		DRLG SLIDE F/8126 T/ 8141 (15 FT) CONNECTION SURVEY @8079 INC 88.90 AZ 183.16
	01:00 - 05:00	4.00	02		DRIG ROTATE F/8141 T/ 8190 (49 FT) CONNECTION SURVEY @8110 INC 89.34 AZ 83.09 SURVEY @ 8142 INC 91.1 AZ 184.10, SPP 224
	05:00 - 06:00	1.00	02		DRLG SLIDE F/8190 T/8192 (5FT)
3/2/2008	06:00 - 07:30	1.50	02		DRLG SLIDE F/8192 T/8196 (4FT)
	07:30 - 09:30	2.00	02		DRLG ROTATE F/8196 T/8221 (25FT)
	09:30 - 10:00	0.50			SAFETY MEETING W/ ENSIGN SAFETY SUPERVISOR AND ENTIRE CREW

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Operations Summary Report

Well Name: BRENNAN 14
Location: 18- 7-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/14/1996
Rig Release: 3/7/2008
Rig Number: 72

Date	From - To	Hours	Code	Sub Code	Description of Operations
3/2/2008	10:00 - 10:30	0.50	07		RIG SERVICE
	10:30 - 11:00	0.50	06		SURVEY @8174 INC 90.48 AZ 183.38, PROJECTION TO BIT 8221 INC 91.5 AZ 182 TVD 6758.75
	11:00 - 13:30	2.50	06		POOH WET TO SHOE, LAY DOWN 2 JOINTS PLUS KELLY JOINT
	13:30 - 14:30	1.00	05		MIX AND PUMP DRY JOB, BOP DRILL
	14:30 - 17:30	3.00	06		POOH SLOWLY TO KEEP FROM SWABBING IN WELL
	17:30 - 20:00	2.50	06	J	LAY DOWN BIT, MUD MOTOR, PICK UP NEW MOTOR AND BIT, COLLAR CLAMP ADJUSTING NUT SHAFT SET SCREW FELL OUT OF CLAMP DOWN HOLE. MEASURES 1.25 IN x 1.25 IN. CHASING IT TO BOTTOM
	20:00 - 00:30	4.50	06		TIH SLOWLY TO AVOID SURGING WELL AND WATCHING FOR LOST SET SCREW PROBLEMS. FILL DP EVERY 2000 FT.
	00:30 - 01:30	1.00	06		PU POWER SWIVEL, PICK UP 3 SINGLES
	01:30 - 02:30	1.00	02		ROTATE (4 FT), DRLG AHEAD NO SIGN OF SET SCREW
	02:30 - 03:00	0.50	05	I	CIRCULATE UP SAMPLES, (100% SHALE)
	03:00 - 06:00	3.00	02		DRLG SLIDE F/8225 T/ 8229 (4 FT)
3/3/2008	06:00 - 11:30	5.50	02		DRLG SLIDE F/8229 T/8237 (8 FT)
	11:30 - 15:30	4.00	02		DRLG ROTATE F/8237 T/8251 (14 FT)
	15:30 - 16:00	0.50	07		RIG SERVICE
	16:00 - 23:00	7.00	02		DRLG ROTATE F/8251 T/ 8331 (80 FT) CONNECTION SURVEY, SPP 2500, TOURQUE 2700
	23:00 - 02:00	3.00	02		DRLG SLIDE F/8331 T/8336 (5 FT)
	02:00 - 06:00	4.00	02		DRLG ROTATE F/8336 T/ 8385 (49 FT) CONNECTION SURVEY
3/4/2008	06:00 - 13:00	7.00	02		DRILG SLIDE & ROTATE F/8387 T/ 8410 (SLIDE 12 FT) (ROTATE13 FT)
	13:00 - 13:30	0.50	07		RIG SERVICE, FIRE DRILL
	13:30 - 18:00	4.50	02		DRLG ROTATE F/8410 T/ 8452 CONNECTION SURVEYS (ROTATE 42FT)
	18:00 - 23:00	5.00	06		POOH WET TO WINDOW, PUMP DRY JOB, POOH TO SURFACE
	23:00 - 00:30	1.50	06	J	LAY DOWN MM, BIT, PU NEW MM (BICO 1.5 DEG BEND 0.833 REV/GAL) NEW BIT (HTC 404Z JETTED 4X16) MM LAYED DOWN WOULD NOT DRAIN AND FELT ROUGH TO THE TOUCH WHILE TURNING IN BIT BREAKER
	00:30 - 01:00	0.50	06	J	MWD SHALLOW PULSE TEST, GOOD
	01:00 - 05:00	4.00	06		TIH SLOWLY TO NOT SURGE WELL
	05:00 - 06:00	1.00	02	A	RU POWER SWIVEL, BREAK CIRCULATION
3/5/2008	06:00 - 17:00	11.00	02		DRLG SLIDE AND ROTATE F/8452 T/8534 (SLIDE 11', ROTATE 71') CONNECTION, SURVEY
	17:00 - 17:30	0.50	07		SURVEY, RIG SERVICE
	17:30 - 06:00	12.50	02		DRLG SLIDE AND ROTATE F/8534 T/8700 (SLIDE 4', ROTATE 162') CONNECTION, SURVEY @ 8,649.0 ANG 91.71 AZI 178.22
3/6/2008	06:00 - 11:00	5.00	02		DRLG SLIDE & ROTATE F/8700 T/8723 (SLIDE 3FT—3HRS) (ROTATE 20FT—2HRS)
	11:00 - 11:30	0.50	07		RIG SERVICE
	11:30 - 18:30	7.00	02		DRLG SLIDE & ROTATE F/8723 T/8774 (SLIDE 3FT—3HRS) (ROTATE 48FT—4HRS) CONNECTION SURVEYS
	18:30 - 19:00	0.50	05		MIX AND PUMP 20 BBL LUBRA BEAD SWEEP WHILE ROTATING PIPE 2 FT OFF BTTM
	19:00 - 20:30	1.50	02		SLIDE ATTEMPT WHILE PUMPING 2ND 20BBL LUBRA BEAD SWEEP, RECIPROCATE PIPE (SLIDE 0)
	20:30 - 23:00	2.50	02		ROTATE F/8774 T/8783 SURVEY (ROTATE 9FT 2.5HRS) SURVEY @ 8740 INC 91.89 AZ 177.25 TD @ 8783 MD 6743 TVD
	23:00 - 00:00	1.00	05		CIRCULATE HOLE FOR SHORT TRIP, LAST GEOLOGIC SAMPLE 100% SHALE

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Operations Summary Report

Well Name: BRENNAN 14
Location: 18- 7-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/14/1996
Rig Release: 3/7/2008
Rig Number: 72

Date	From - To	Hours	Code	Sub Code	Description of Operations
3/6/2008	00:00 - 03:00	3.00	06		SHORT TRIP WET OUT INTO WINDOW, TRIP TO BOTTOM
	03:00 - 05:00	2.00	05		PICK UP POWER SWIVEL, CIRCULATE HOLE FOR LONG TRIP, RIG DOWN POWER SWIVEL
	05:00 - 06:00	1.00	05		POOH TO SURFACE
3/7/2008	06:00 - 09:30	3.50	06		POOH TO RUN 3.5 LINER
	09:30 - 10:00	0.50	06	J	LAY DOWN MWD TOOLS, MM & BIT
	10:00 - 13:00	3.00	12	B	RIG UP WEATHERFORD CASING CREW, SAFETY MEETING
	13:00 - 19:00	6.00	12	B	RUN 3.5" PERFORATED LINER
	19:00 - 19:30	0.50	12	B	RIG DOWN WEATHERFORD CASING CREW
	19:30 - 22:30	3.00	06		TRIP IN HOLE TO 8780, THREE FOOT OF FILL ON BOTTOM, SET 3.5" 9.2PPF P-110 PERFORATED LINER TOP SET @ 6211, BOTTOM @8780, (26) JTS BLANK AND (55) JTS PERFORATED LINER
	22:30 - 23:00	0.50	06		PICK UP POWER SWIVEL
	23:00 - 23:30	0.50	12	B	SET AND ROTATE OUT OF LINER HANGER
	23:30 - 01:00	1.50	06		LAY DOWN POWER SWIVEL, RIG DOWN ONTO CATWALK
	01:00 - 02:00	1.00	06		SAFETY MEETING WITH LAYDOWN CREW, RIG UP LAYDOWN TRUCK
	02:00 - 06:00	4.00	06		LAY DOWN DRILL PIPE & BHA
3/8/2008	06:00 - 07:00	1.00	06		LAY DOWN PH-6 DRILL PIPE
	07:00 - 07:30	0.50	06		LAY DOWN SMITH HANGER TOOL AND LAY DOWN FLAG POLE
	07:30 - 08:00	0.50	06		TIH WITH AOH DRILL PIPE OUT OF DERRICK
	08:00 - 08:30	0.50	08		RIG SERVICE, REPAIR SPINNER HAWK
	08:30 - 09:00	0.50	06		TIH WITH AOH DRILL PIPE OUT OF DERRICK
	09:00 - 11:30	2.50	06		PICK UP FLAG, LAY DOWN AOH DRILL PIPE, LAY FLAG DOWN
	11:30 - 12:00	0.50	06		TIH WITH PH-6 DRILL PIPE OUT OF DERRICK
	12:00 - 14:00	2.00	06		PICK UP FLAG, LAY DOWN PH-6 DRILL PIPE, RIG DOWN LAY DOWN CREW
	14:00 - 17:00	3.00	11		RIG UP WIRELINE TRUCK, SET WEATHERFORD HE ARROW RETRIEVABLE BRIDGE PLUG @ 5765 FT, RIG DOWN WIRELINE TRUCK
	17:00 - 20:00	3.00	25		CLEAN MUD PITS, RIG RELEASE AT 20:00

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Questar E & P

Operations Summary Report - Horizontal Completion

Well Name: BRENNAN 14
Location: 18- 7-S 21-E 26
Rig Name: KEY

Spud Date: 12/14/1996
Rig Release: 12/4/2007
Rig Number: 362

Date	From - To	Hours	Code	Sub Code	Description of Operations
3/24/2008	06:00 - 16:00	10.00	LOC	4	Horizontal Completion On 3/31/08 - Road rig from RWS 10ML 6 9 24 to Brennan #14. MIRU. ND WH & NU BOP's. RU pump & line. SWIFN. 24 Hour Forecast: Will RIH w/ RH & 2-7/8" J-55 tbg. Csg Size: 5-1/2" 17# L-80 Csg Depth: 7435'
3/25/2008	06:00 - 16:00	10.00	TRP	2	Horizontal Completion On 3/24/08 SICP = 9#. Finish RU tbg equip. Tally, rabbit & RIH w/ RH 1 jt 2-7/8" J-55 tbg, seat nipple and 178 jts 2-7/8" J-55 tbg. Circ drilling mud out w/ EOT @ 3081' and 5750' displaced w/ 2% KCL. Latch on to 5-1/2" HE RBP set @ 5765'. Released RBP and POOH w/ tbg, SN & RBP. SWIFN. 24 Hour Forecast: Will RIH w/production string. NU WH & swab. Csg Size: 5-1/2" 17# L-80 Csg Depth: 7435'
3/26/2008	06:00 - 16:00	10.00	SWAB	1	Horizontal Completion On 3/25/08 SICP = 50#. Open well up. RIH w/ 2-7/8" NC, 1 jt 2-7/8" J-55 tbg, SN, tbg AC & 190 jts 2-7/8" J-55 tbg. ND BOP's. Set tbg AC @ 6147' w/ 16" of stretch (12,000# tension) SN @ 6150' & EOT @ 6183'. NU WH. RIH w/ swab. IFL @ 500'. Made 6 runs, rec 38 bbls, showing 0 - oil, lite gas, trace of drilling mud, FFL @ 1600'. SWIFN. 24 Hour Forecast: Will continue to swab and clean up well. Csg Size: 5-1/2" 17# L-80 Csg Depth: 7435'
3/27/2008	06:00 - 16:00	10.00	SWAB	1	Horizontal Completion On 3/26/08 SITP & SICP = 0#. RU swab. IFL @ 2100'. Make 30 swab runs and recovered 201 bbls of fluid with FFL @ 5000' and final SICP = 0#. Swabbing from 6100' the last 5 runs and recovering 18 - 20 BPH with the last 14 runs at 50% oil cut. Very light show of gas in fluid. RD swab and SIFW. 24 Hour Forecast: Will run rods and pump. Csg Size: 5-1/2" 17# L-80 Csg Depth: 7435' Tbg Detail: NC, 1 jt tbg, SN, AC, 190 jts of tbg to surface. All tbg is 2-7/8" EUE 8rd 6.5# J-55. Tbg tail at 6183' and SN @ 6150' and AC at 6147' with 12M# tension.
3/28/2008	06:00 - 16:00	10.00	TRP	18	Horizontal Completion On 3/27/08 SITP & SICP = 50#. Bled off tbg. Bucket test pump & OK. RIH w/ new Weatherford 2-1/2"x1-3/4"x20x20-1/2x21' RHAC Pump, 146 - 3/4" plain rods and 99 - 7/8" plain rods and 1-1/2" x 26' polish rod. Seat pump and space out. Fill tbg with water and long stroke pump to 500# and held OK. Bled off tbg and hang well off to pumping unit. Turn well over to production department. 24 Hour Forecast: On 3/28/08 will remain rigged up to observe well performance over the weekend. Csg Size: 5-1/2" 17# L-80

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Operations Summary Report

Well Name: BRENNAN 14
Location: 18- 7-S 21-E 26
Rig Name: KEY

Spud Date: 12/14/1996
Rig Release: 12/4/2007
Rig Number: 362

Date	From - To	Hours	Code	Sub Code	Description of Operations
3/28/2008	06:00 - 16:00	10.00	TRP	18	Csg Depth: 7435' Tbg Detail: NC, 1 jt tbg, SN, AC, 190 jts of tbg to surface. All tbg is 2-7/8" EUE 8rd 6.5# J-55. Tbg tail at 6183' and SN @ 6150' and AC at 6147' with 12M# tension. Rod Detail: 2-1/2"x1-3/4"x20x20-1/2x21' RHAC Weatherford Pump; 146 - 3/4" plaiin rods; 99 - 7/8" plain rods; 1-1/2"x26' polish rod.
3/31/2008	06:00 - 16:00	10.00	LOC	4	Horizontal Completion On 3/28/08 Production Department started rod pumping well. On AM of 3/31/08 well is pumping OK. Will RDMO Basin WS this AM. FINAL REPORT OF LATERAL COMPLETION. Csg Size: 5-1/2" 17# L-80 Csg Depth: 7435' Tbg Detail: NC, 1 jt tbg, SN, AC, 190 jts of tbg to surface. All tbg is 2-7/8" EUE 8rd 6.5# J-55. Tbg tail at 6183' and SN @ 6150' and AC at 6147' with 12M# tension. Rod Detail: 2-1/2"x1-3/4"x20x20-1/2x21' RHAC Weatherford Pump; 146 - 3/4" plaiin rods; 99 - 7/8" plain rods; 1-1/2"x26' polish rod.
5/6/2008	06:00 - 16:00	10.00	LOC	4	Tight Hole - Resumption of Horizontal Completion On 5/5/08 MIRU Rocky Mtn WS. RU hot oiler and circ 130 bbls of hot 2% KCL water with snake oil. Unseat pump and flush rods and tbg with additonal 70 bbls of hot water. POOH w/ rods and pump. ND WH & NU BOP's and release tbg anchor and SIFN. 24 Hour Forecast: Will POOH w/ tbg to prepare to run 2-3/8" hydril tbg into lateral. Csg Size: 5-1/2" 17# L-80 Csg Depth: 7435' Tbg Detail: NC, 1 jt tbg, SN, AC, 190 jts of tbg to surface. All tbg is 2-7/8" EUE 8rd 6.5# J-55. Tbg tail at 6183' and SN @ 6150' and AC at 6147' with 12M# tension. Rod Detail: 2-1/2"x1-3/4"x20x20-1/2x21' RHAC Weatherford Pump; 146 - 3/4" plaiin rods; 99 - 7/8" plain rods; 1-1/2"x26' polish rod.
5/8/2008	06:00 - 16:00	10.00	TRP	2	Tight Hole - Resumption of Horizontal Completion On 5/6/08 SITP & SICP = 50#. Bled off well and pump 5 bbls of 2% KCL water down the tbg. Tally & POOH with tbg and anchor. NU single 7-1/16" x 5M# x 2-3/8" pipe rams on top of existing BOP stack. SIFN. On 5/7/08 waiting on 2-3/8" hydril tbg & well will remain SI. Tbg is to arrive on Thursday 5/8/08. 24 Hour Forecast: Acid job scheduled on 5/9/08. Csg Size: 5-1/2" 17# L-80 Csg Depth: 7435'
5/9/2008	06:00 - 16:00	10.00	TRP	2	Tight Hole - Resumption of Horizontal Completion On 5/8/08 SICP = 50#. Bled off. Rally and rabbit in the hole with 87 jts of new 2-3/8" L-80 CS/Hydril tbg; x-over and 190 jts of 2-7/8" production tbg to 8744'. Tag top of liner while going in the hole at 6211' with a max of 4M# of drag while in the liner. Left

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Operations Summary Report

Well Name: BRENNAN 14
Location: 18- 7-S 21-E 26
Rig Name: KEY

Spud Date: 12/14/1996
Rig Release: 12/4/2007
Rig Number: 362

Date	From - To	Hours	Code	Sub Code	Description of Operations
5/9/2008	06:00 - 16:00	10.00	TRP	2	tbg at 8744' & SI until Saturday AM when the well will be acidized in several stages. 24 Hour Forecast: Acid job scheduled on 5/10/08. Csg Size: 5-1/2" 17# L-80 Csg Depth: 7435' Perfs OH Lateral 3-1/2" slotted liner from 6211' - 8780'
5/12/2008	06:00 - 16:00	10.00	STIM	1	Tight Hole - Resumption of Horizontal Completion On 5/10/08 SITP = 10# & SICP = 20# with tbg tail in liner @ 8744'. MIRU Halliburton acid crew and acidize the Horizontal Liner interval in carious stages with the tbg tail @ 8744'; 8339'; 7895'; 7478'; & 7284' using 4000 gals of 15% HCL int he bottom three stages and 3000 gals witht he tbg at 7476' amd 2000 gals with the tbg at 7284'. All acid contained FE. Cla-sta; non-emulifier and inhibitor. Each stage went on vacuum when pumping was completed. Stage #1: Max psi = 1323#; avg rate = 5.9 BPM; Stage 2: Max psi = 1658#; avg rate = 6.2 BPM; Stage 3: Max psi = 1515#; avg rate = 6.2 BPM; Stage 4: Max psi = 1400#; Avg rate = 6.3 BPM; Stage 5: Max psi = 1580#; Avg rate = 6.4 BPM. Displaced each acid stage to end of tbg with 2% KCL water and brine water. Total load to recover is 665 bbls. Pull tbg tail to 6126' & SIFW. RDMO Halliburton. On AM of 5/12/08 SITP & SICP = slight vacuum. Csg Size: 5-1/2" 17# L-80 Csg Depth: 7435' Perfs OH Lateral 3-1/2" slotted liner from 6211' - 8780'
5/13/2008	06:00 - 16:00	10.00	TRP	5	Tight Hole - Resumption of Horizontal Completion On AM of 5/12/08 SITP & SICP = slight vacuum. POOH w/ 2-7/8" tbg & POOH & lay down 87 jts of 2-3/8" 4.7# hydrill. RIH w/ production tbg as follows: barred NC; 1 jt; SN; 5-1/2" B-2 tbg AC; 190 jts of tbg to surface. ND BOP's. Set anchor with 12M# tension. NUWH & SIFN. 24 Hour Forecast: Will run rods and pump. Tbg Detail: Barred NC = 0.42'; 1 jt of tbg = 31.43'; SN = 1.07'; B-2 AC = 2.75': 190 jts of tbg = 6128.19'; stretch = 1.0'; KB = 15'. All tbg is 2-7/8" EUE 8rd J-55 6.5#. Tbg Tail at 6179.91'; SN @ 6148.01'; AC @ 6446.94'. All depths are KB depths. Csg Size: 5-1/2" 17# L-80 Csg Depth: 7435' Perfs OH Lateral 3-1/2" slotted liner from 6211' - 8780'

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Questar E & P

Operations Summary Report

Well Name: BRENNAN 14
Location: 18- 7-S 21-E 26
Rig Name: KEY

Spud Date: 12/14/1996
Rig Release: 12/4/2007
Rig Number: 362

Date	From - To	Hours	Code	Sub Code	Description of Operations
5/13/2008	06:00 - 16:00	10.00	TRP	5	
5/14/2008	06:00 - 16:00	10.00	PTST	3	Tight Hole - Resumption of Horizontal Completion On AM of 5/13/08 SITP & SICP = 0#. RU swab. IFL @ 3600'. On the 1st run recovered 4 bbls of oil. Made a total of 20 swab runs and recovered a total of 131 bbls of fluid with a final PH of 7 and a final FL of 4700' and holding for the last 4 hours and a final oil cut of 2-3%. Final SICP = 10#. RD swab and SIFN. 24 Hour Forecast: Will run rods and pump. Tbg Detail: Barred NC = 0.42'; 1 jt of tbg = 31.43'; SN = 1.07'; B-2 AC = 2.75': 190 jts of tbg = 6128.19'; stretch = 1.0'; KB = 15'. All tbg is 2-7/8" EUE 8rd J-55 6.5#. Tbg Tail at 6179.91'; SN @ 6148.01'; AC @ 6446.94'. All depths are KB depths. Csg Size: 5-1/2" 17# L-80 Csg Depth: 7435' Perfs OH Lateral 3-1/2" slotted liner from 6211' - 8780'
5/15/2008	06:00 - 16:00	10.00	TRP	7	Tight Hole - Resumption of Horizontal Completion On 5/14/08 flush tbg with 40 bbls of hot 2% KCL water. Bucket test new pump - OK. RIH w/ 2-1/2"x1-3/4"x20' pump; 146 - 3/4" plain rods; 90 - 7/8" plain rods & a 1-1/2"x26' polish rod. Seat pump and load tbg and long stroke pump to 600# and held OK. Space out and hung well off on pumping unit and turn well over to production department. Stayed rigged up overnight. 24 Hour Forecast: Will RDMO if well is pumping OK. Tbg Detail: Barred NC = 0.42'; 1 jt of tbg = 31.43'; SN = 1.07'; B-2 AC = 2.75': 190 jts of tbg = 6128.19'; stretch = 1.0'; KB = 15'. All tbg is 2-7/8" EUE 8rd J-55 6.5#. Tbg Tail at 6179.91'; SN @ 6148.01'; AC @ 6446.94'. All depths are KB depths. Csg Size: 5-1/2" 17# L-80 Csg Depth: 7435' LLTR: 595 bbls Perfs OH Lateral 3-1/2" slotted liner from 6211' - 8780'
5/16/2008	06:00 - 16:00	10.00	LOC	4	Tight Hole - Resumption of Horizontal Completion On AM of 5/15/08 well is pumping OK. RDMO Rocky Mtn WS. FINAL REPORT. Tbg Detail: Barred NC = 0.42'; 1 jt of tbg = 31.43'; SN = 1.07'; B-2 AC = 2.75': 190 jts of tbg = 6128.19'; stretch = 1.0'; KB = 15'. All tbg is 2-7/8" EUE 8rd J-55 6.5#. Tbg Tail at 6179.91'; SN @ 6148.01'; AC @ 6446.94'. All depths are KB depths. Rod & Pump Detail: Pump = 2-1/2"x1-3/4"x20x20-1/2x21' RHAC (#3016). Rods: 146

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Questar E & P

Operations Summary Report

Well Name: BRENNAN 14
Location: 18- 7-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/14/1996
Rig Release: 3/7/2008
Rig Number: 72

Date	From - To	Hours	Code	Sub Code	Description of Operations
1/17/2008	07:00 - 13:00	6.00	23	D	MOVE RIG FROM JONES YARD TO FIELD
	13:00 - 06:00	17.00	23	D	RIG IDLE
1/18/2008	06:00 - 18:00	12.00	23	D	SET IN RIG WITH JONES TRUCKING
	18:00 - 06:00	12.00	23	D	RIG IDLE
1/19/2008	06:00 - 12:00	6.00	23	D	FINISH RIGGING UP WITH JONES TRUCKING, TRUCKS RELEASED AT NOON
	12:00 - 18:00	6.00	01	A	RIG UP BY HAND; ELECTRICAL LINES, FIRE LIGHT PLANT AND UNLOAD TOOLS
	18:00 - 06:00	12.00	01	A	RIG IDLE
1/20/2008	06:00 - 18:00	12.00	01	A	RIG UP BACK YARD, UNLOAD TUBULARS
	18:00 - 06:00	12.00	01	A	RIG IDLE
1/21/2008	06:00 - 18:00	12.00	01	A	RIG UP STEAM, WATER, ELECTRICAL, SPOOL UP DRUM
	18:00 - 06:00	12.00	01	A	RIG IDLE
1/22/2008	06:00 - 12:00	6.00	08	E	REPAIR AIR LINE TO #1 FLOOR MOTOR CLUTCH, INSTALL DESILTER AND DESANDER
	12:00 - 18:00	6.00	01	A	RIG UP, PULL 6" LINERS AND SWABS FROM BOTH PUMPS, WORK ON BELLY BOARD FOR DERRICK
	18:00 - 06:00	12.00	01	A	RIG IDLE WITH A DRY WATCH
1/23/2008	06:00 - 18:00	12.00	01	A	RIG UP, INSTALLED BELLY BOARD, RADIATOR ON #1 LIGHT PLANT, 2" KELLY HOSE, AND NEW OIL SEAL ON #1 FLOOR MOTOR TAILSHAFT
	18:00 - 06:00	12.00	01	A	RIG UP, WAIT ON DAYLIGHT TO RAISE DERRICK, CHANGED OIL AND 2ND GEAR CHAIN IN DRAW TOOL, INSTALLED 4" LINERS AND SWABS IN BOTH PUMPS
1/24/2008	06:00 - 07:30	1.50	01	A	RAISE DERRICK AND RIG UP FLOORWAIT ON DAY LIGHT TO RAISE DERRICK
	07:30 - 18:00	10.50	01	A	RAISE DERRICK AND RIG UP FLOOR
	18:00 - 20:30	2.50	14		THAW OUT AND REMOVE CASING FLANGE, START DAYWOK
	20:30 - 06:00	9.50	14		NIPPLE UP 5000#, 7 1/16 BOPE
1/25/2008	06:00 - 07:00	1.00	14		NIPPLE UP BOPE
	07:00 - 18:00	11.00	15	A	PRESSURE TEST BOPE; ANNULAR TO 2500 PSI, PIPES, BLINDS, KILL LINE VALVES, CHOKE LINE AND VALVES, CHOKE MANIFOLD, FLOOR VALVES, POWER SWIVEL VALVES, AND INSIDE BOP VALVES TO 5000 PSI.
	18:00 - 03:00	9.00	14		HOOK UP FLARE LINES, GAS BUSTER, FLOW LINE AND CENTER BOP STACK
	03:00 - 06:00	3.00	06	H	PICK UP BIT, SCRAPER, BIT SUB, PH-6 PIPE
1/26/2008	06:00 - 21:30	15.50	06		PICK UP DRILL STRING
	21:30 - 01:30	4.00	25		CIRCULATE 200 BBLS OF CHEMICAL WATER @ 210 DEGREES WITH HOT OILER
	01:30 - 06:00	4.50	06		TRIPPING UOT TO LAY DOWN SCRAPPER
1/27/2008	06:00 - 07:00	1.00	06		BREAK OUT SCRAPPER AND MAKE UP BIT
	07:00 - 09:00	2.00	25		RIG UP POWER SWIVEL CABLES AND HOSES, GET POWER SWIVEL ON FLOOR, POSITION POWER UNIT
	09:00 - 13:30	4.50	06		TRIP IN TO 6218
	13:30 - 17:00	3.50	25		RIG UP, WORK ON AND RIG DOWN POWER SWIVEL
	17:00 - 21:30	4.50	05		CONDITION MUD AND CIRCULATE
	21:30 - 00:00	2.50	25		RIG UP POWER SWIVEL
	00:00 - 03:00	3.00	25		WAIT ON PARTS AND REPAIR POWER SWIVEL
	03:00 - 04:30	1.50	03		WASH 6218 TO 6371
	04:30 - 05:00	0.50	08		REHANG TONGS
	05:00 - 05:30	0.50	03		WASH DOWN TO 6409, PRESSURED UP TO 3100 PSI AND BULL PLUG BLEW OUT OF STAND PIPE
	05:30 - 06:00	0.50	25		WORK UP OUT OF TIGHT HOLE
1/28/2008	06:00 - 07:00	1.00	06		WORK TIGHT HOLE, PULL INTO CASING
	07:00 - 07:30	0.50	07		RIG SERVICE
	07:30 - 10:00	2.50	08		INSTALL NEW WELD-A-LET ON STAND PIPE
	10:00 - 11:00	1.00	25		PICK UP AND WORK ON POWER SWIVEL

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Operations Summary Report

Well Name: BRENNAN 14
Location: 18- 7-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/14/1996
Rig Release: 3/7/2008
Rig Number: 72

Date	From - To	Hours	Code	Sub Code	Description of Operations
1/28/2008	11:00 - 11:30	0.50	03		WASH TO 6409, BIT QUIT WASHING
	11:30 - 15:30	4.00	05		PULL BACK TO CASING, CONDITION MUD AND BUILD VOLUME. CUT MUD WEIGHT TO 9.7
	15:30 - 16:30	1.00	06		SET BACK POWER SWIVEL
	16:30 - 21:00	4.50	06		TRIP OUT FOR DIRECTIONAL TOOLS, CHECK COM
	21:00 - 06:00	9.00	25		WAIT ON DIRECTIONAL TOOLS, THE TOOL FROM PATHFINDER'S MWD IS MISSING AN INTEGRAL PIECE AND MUST COME OUT OF TEXAS. IT SHOULD BE IN BY 16:00 HRS TODAY. I TALKED WITH STEVE LAWS AND IT WAS DECIDED WE COULDN'T GET ANYONE ELSE ANY SOONER.
1/29/2008	06:00 - 14:30	8.50	25		WAIT ON DIRECTIONAL TOOLS
	14:30 - 17:30	3.00	06		PICK UP DIRECTIONAL TOOLS AND TEST MWD-OK
	17:30 - 21:30	4.00	06		TRIP IN HOLE
	21:30 - 23:30	2.00	05		PICK UP POWER SWIVEL AND ATTEMPT TO CIRCULATE, STRING PLUGGED, COULD NOT CIRCULATE
	23:30 - 04:00	4.50	06		LAY DOWN POWER SWIVEL AND TRIP OUT
	04:00 - 06:00	2.00	25		BREAK DOWN AND CLEAN OUT BHA, PACKED OFF WITH VERY FINE METAL SHAVINGS OR SCALE (MAGNETIC) FOR 1 FT ABOVE THE TOP UBHO SUB INTO THE FLEX COLLAR, AND ABOVE MWD UBHO SUB INTO THE MWD NMDC.
1/30/2008	06:00 - 07:00	1.00	06		MAKE UP MWD TOOLS
	07:00 - 07:30	0.50	05		TEST MWD TOOLS @ 90 FEET
	07:30 - 12:30	5.00	06		TRIP IN TO 6336, BREAK CIRC AT 1000, 4800
	12:30 - 13:30	1.00	20		RIG UP GYRO-FILL PIPE
	13:30 - 15:00	1.50	20	E	RUN GYRO, GYRO FAILED
	15:00 - 18:00	3.00	20		TROUBLE SHOOT (VAUGHNS ENERGY SERVICE) GYRO AND WIRE LINE TRUCK (WEATHERFORD)
	18:00 - 21:00	3.00	20		WAIT ON GYRO EQUIPMENT
	21:00 - 22:00	1.00	20		RIG DOWN WIRELINE TRUCK AND GYRO, BUILD PILL
	22:00 - 03:00	5.00	06		TRIP OUT TO LAY DOWN DIRECTIONAL TOOLS
	03:00 - 05:00	2.00	20		LAY DOWN DIRECTIONAL TOOLS AND SET MOTOR TOO STRAIGHT
	05:00 - 06:00	1.00	06		TRIP IN WITH STRAIGHT MOTOR
1/31/2008	06:00 - 10:00	4.00	06		TIH 6390, BREAK CIRC @ 4762, 6267
	10:00 - 11:00	1.00	06		P/U POWER SWIVEL, KELLY JT.
	11:00 - 12:00	1.00	07		RIG SERVICE
	12:00 - 13:00	1.00	08		RIG REPAIR - WORK ON BOTH PUMPS
	13:00 - 14:00	1.00	03		WASH & REAM F/6390 T/6409
	14:00 - 14:30	0.50	19	D	WORK STUCK PIPE, CAME FREE HOLDING 80K, 40K OVER STRING WEIGHT
	14:30 - 23:30	9.00	03		WASH & REAM F/6409-6458, WOB 2K, 35BBL LOSS IN 9HRS
	23:30 - 00:00	0.50	03		WASH & REAM THROUGH TIGHT SPOT F/6422 T/6458, LOSS CIRC, 40BBL LOSS IN .5HRS
	00:00 - 00:30	0.50	19	D	WORKING STUCK PIPE 40K-80K WHILE ROTATING, REGAIN CIRC, PUMP 20BBL HI VISC SWEEP WHILE WORKING PIPE, 5BBL LOSS
	00:30 - 02:00	1.50	19	D	WORKING STUCK PIPE 40K-80K, COULD NOT ROTATE, LOSS CIRC, 150BBL LOSS
	02:00 - 03:00	1.00	19	D	LAY DOWN ONE JT TO ALLOW ROOM TO WORK PIPE TO HIGHER WEIGHT, WORK PIPE 40K-90K (STRING WEAK POINT - PH-6 RATED TO 170K TENSION), COULD NOT ROTATE, LOSS CIRC - FROM COMPLETE LOSS TO SLIGHT RETURNS, SPP 2000PSI @ 70STKS, PIPE CAME FREE @85K
	03:00 - 04:30	1.50	03		WASH AND REAM F/6370 T/ 6427, TOTAL FLUID LOSS ON DAY >250BBLS
	04:30 - 05:00	0.50	05		FLOW CHECK GOOD, RECOVERED FINGERNAIL SIZED SHALE PIECES FROM POSSUM BELLY DURING FLOW CHECK (DID NOT MAKE IT TO THE SHAKERS), CIRC AND BUILD MUD WEIGHT TO 10PPG AND VOLUME TO

CONFIDENTIAL

Operations Summary Report

Well Name: BRENNAN 14
Location: 18- 7-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/14/1996
Rig Release: 3/7/2008
Rig Number: 72

Date	From - To	Hours	Code	Sub Code	Description of Operations
1/31/2008	04:30 - 05:00	0.50	05		500BBL
	05:00 - 06:00	1.00	03		WASH AND REAM F/6400 T/6419
2/1/2008	06:00 - 21:00	15.00	03		WASH & REAM F/6400 T/6458, WOB 2K, ROT 50, SPP 850, DHRPM 242
	21:00 - 00:00	3.00	05		CONDITION AND CIRC WITH HIGH VISC SWEEP @6458 AND 6348 TO CLEAN HOLE
	00:00 - 00:30	0.50	03		WASH & REAM F/6458 T/6468, WOB 2K, ROT 50, SPP 850, DHRPM 242
	00:30 - 01:00	0.50	19	D	WORK STUCK PIPE @6430, MAX PULL 85K, SPP 2600
	01:00 - 02:00	1.00	05		CONDITION AND CIRC WITH 20 BBL 100 VISC SWEEP @6424 TO CLEAN HOLE
	02:00 - 06:00	4.00	03		WASH & REAM F/6424 T/6450, WOB 2K, ROT 50, SPP 850, DHRPM 242
2/2/2008	06:00 - 14:30	8.50	03		WASH & REAM F/6468 T/6487, WOB 2K, ROT 50, SPP 850, DHRPM 242
	14:30 - 15:30	1.00	05		CIRCULATE & CONDITION HOLE
	15:30 - 19:00	3.50	06		TOOH
	19:00 - 23:00	4.00	06	J	LAY DOWN BENT MOTOR, PICK UP MWD, ORIENTATE
	23:00 - 03:00	4.00	06		TIH, FILL EVERY 10 STANDS
	03:00 - 04:00	1.00	10	E	RECALIBRATE MWD TOOL PER DIRECTIONAL HAND
	04:00 - 05:00	1.00	06		TIH, PICK UP POWER SWIVEL
	05:00 - 06:00	1.00	03		WASHING AND REAMING @6482
2/3/2008	06:00 - 10:30	4.50	03		WASH AND REAM F/ 6487 T/ 6520, MM 1.56 ANGLE 1.15DEG, STKS 95, GPM 125, ROT 50, DHRPM 242, MWD, INCLINATION @6466 13.8DEG, ORIGINAL 13.13DEG
	10:30 - 11:00	0.50	06		POWER SWIVEL LEAK, PICKUP OFF BOTTOM
	11:00 - 11:30	0.50	25		INSPECT AND WORK ON POWER SWIVEL
	11:30 - 12:00	0.50	06		TRIPPING OUT OF HOLE TO WINDOW
	12:00 - 02:30	14.50	25		3.5" POWER SWIVEL BRAKES FAILED, FIELD REPAIR ATTEMPTS FAILED, REURNED TO VERNAL FOR SHOP REPAIR. LOCATED 4.5" AND BRINGING TO VERNAL SHOP FROM JOB TO CHECK OUT AS A BACKUP RECIEVED REBUILT 3.5" POWER SWIVEL @ 02:30
	02:30 - 03:30	1.00	25		PICK UP POWER SWIVEL
	03:30 - 04:00	0.50	06		TRIPPING IN HOLE
	04:00 - 06:00	2.00	03		WASH AND REAM F/6495 T/6510
2/4/2008	06:00 - 22:00	16.00	03		WASH AND REAM F/ 6490 T/ 6546, MM 1.56, ANGLE 1.15DEG, STKS 95, GPM 125, ROT 50, DHRPM 242, MWD, INCLINATION @6466 13.8DEG, ORIGINAL 13.13DEG, PUMP 20BBL 60-80VISC SWEEPS EVERY 5' OF HOLE OR 1HR OF WASHING/REAMING, LOST 200 PSI ON STAND PIPE AND DOWN TO 0 ROP
	22:00 - 00:30	2.50	05		CIRCULATE HOLE CLEAN, BUILD DRY JOB BEFORE BHA INSPECTION TRIP, STRUGGLED TO GET BARITE THROUGH HOPPER
	00:30 - 04:00	3.50	06		TRIP OUT OF HOLE
	04:00 - 06:00	2.00	25		STAND BY WAITING ON SLAUGH FISHING TOOLS, TWISTED OFF BETWEEN UBHO SUB AND FLOAT SUB. MAXIMUM TORQUE 3000LB. FISH: 3.5" X 2' FLOAT SUB, 3.75" MOTOR AND 4.75" BIT, TOOL INSURANCE WAS SIGNED BEFORE JOB

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Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING
CDW

Change of Operator (Well Sold) — **X - Operator Name Change**

The operator of the well(s) listed below has changed, effective: **6/14/2010**

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

CA No. **Unit:** **BRENNAN BOTTOM**

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED								

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/28/2010
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/28/2010
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 6/24/2010
4a. Is the new operator registered in the State of Utah: Business Number: 764611-0143
5a. (R649-9-2)Waste Management Plan has been received on: Requested
5b. Inspections of LA PA state/fee well sites complete on: n/a
5c. Reports current for Production/Disposition & Sundries on: ok
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 8/16/2010 BIA not yet
7. **Federal and Indian Units:**
   The BLM or BIA has approved the successor of unit operator for wells listed on: 8/16/2010
8. **Federal and Indian Communization Agreements ("CA"):**
   The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
9. **Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 6/29/2010

DATA ENTRY:

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

BOND VERIFICATION:

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

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS:

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NUMBER: See attached

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: See attached

7. UNIT or CA AGREEMENT NAME: See attached

1 TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER

8. WELL NAME and NUMBER: See attached

2 NAME OF OPERATOR: Questar Exploration and Production Company N5085

9. API NUMBER: Attached

3. ADDRESS OF OPERATOR: 1050 17th Street, Suite 500 CITY Denver STATE CO ZIP 80265

PHONE NUMBER: (303) 672-6900

10. FIELD AND POOL, OR WILDCAT: See attached

4. LOCATION OF WELL

FOOTAGES AT SURFACE: See attached

COUNTY: Attached

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: 6/14/2010	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: Operator Name Change
	☐ CONVERT WELL TYPE	☐ 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 6/30/2009
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

(5/2000) (See Instructions on Reverse Side)

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

Bonds: BLM = ESB000024
BIA = 956010693
State = 965010695

United States Department of the Interior

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

TAKE PRIDE IN AMERICA

IN REPLY REFER TO:
3100
(UT-922)

JUL 2 8 2010

Memorandum

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

From: Chief, Branch of Minerals Roger L Bankert

Subject: Name Change Recognized

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

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

cc: MMS
UDOGM

RECEIVED
AUG 16 2010
BLM, OF OIL, GAS & MINING

FEDERAL APPROVAL OF THIS ACTION IS NECESSARY

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-046

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: BRENNAN BOTTOM

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: BRENNAN 14

2. NAME OF OPERATOR: QEP ENERGY COMPANY

9. API NUMBER: 43047327740000

3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078

PHONE NUMBER: 303 308-3068 Ext

9. FIELD and POOL or WILDCAT: BRENNAN BOTTOM

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0744 FNL 0461 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 18 Township: 07.0S Range: 21.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 10/28/2014	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	✓ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

QEP ENERGY COMPANY REQUESTS APPROVAL TO RECOMPLETE THE BRENNAN 14 BY ADDITIONAL ADDITIONAL PERFORATIONS TO THE GREEN RIVER FORMATION. SEE ATTACHED PROCEDURES.

Accepted by the Utah Division of Oil, Gas and Mining

Date: October 28, 2014

By: Dark K Quist

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

QEP Energy requests approval to recomplete the Brennan 14 by adding additional perforations to the Green River formation as follows:

1. Set a CFP at 6205'.
2. Stage 1:
    a. 5906'-5907', 3spf, frac with crosslink fluid.
    b. 5951'-5953', 3spf, frac with crosslink fluid.
    c. 5982'-5983', 3spf, frac with crosslink fluid.
    d. 6003'-6004', 3spf, frac with crosslink fluid.
    e. 6015'-6016', 3spf, frac with crosslink fluid.
    f. 6030'-6031', 3spf, frac with crosslink fluid.
    g. 6093'-6095', 3spf, frac with crosslink fluid.
    h. 6109'-6111', 3spf, frac with crosslink fluid.
    i. 6131'-6133', 3spf, frac with crosslink fluid.
    j. 6174'-6175', 3spf, frac with crosslink fluid.
    k. 6182'-6184', 3spf, frac with crosslink fluid.
3. Return well to production.
4. Drill up frac plug after the frac fluid is recovered to restore existing production.

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