

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

**SUBMIT IN TRIPLICATE**  
 (Other instructions on  
 reverse side)

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

**APPLICATION FOR PERMIT TO DRILL OR DEEPEN**

1a. TYPE OF WORK

DRILL  DEEPEN

b. TYPE OF WELL

OIL WELL  GAS-WELL  OTHER \_\_\_\_\_ SINGLE ZONE  MULTIPLE ZONE

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

3. ADDRESS AND TELEPHONE NO.  
**11002 EAST, 17500 SOUTH, VERNAL, UT 84078-8526 (801) 781-3400**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
 At surface  
**1938' FNL, 653' FWL, SWNW**  
 At proposed prod. zone  
**SAME**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
**7.1 MILES FROM OURAY, UTAH**

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) **653'**

16. NO. OF ACRES IN LEASE  
**800**

17. NO. OF ACRES ASSIGNED TO THIS WELL  
**NA**

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. **1307'**

19. PROPOSED DEPTH  
**5430'**

20. ROTARY OR CABLE TOOLS  
**ROTARY**

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**4690' GL**

22. APPROX. DATE WORK WILL START\*  
**2/15/95**

**PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8" K-55	24#	360	190 SX.
7-7/8"	5-1/2" K-55	15.5#	5430	517 SX.

We propose to develop oil reserves in the Green River Formation at the specified location. Enclosures:

- Certified Plat
- Self Certification Statement
- Thirteen Point Surface Use Plan With Attachments
- Eight Point Drilling Plan With Attachments

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

24. SIGNED *[Signature]* TITLE TEAM LEADER DATE 1-12-95

(This space for Federal or State office use)

PERMIT NO. NOTICE OF APPROVAL APPROVAL DATE \_\_\_\_\_

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

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY *[Signature]* TITLE ASSISTANT DISTRICT MANAGER MINERALS DATE MAR 15 1995

## memorandum

FEB 28 1995

FEB 16 1995

DATE:

REPLY TO: Superintendent, Uintah & Ouray Agency  
ATTN OF:SUBJECT: Concurrence Letter for CHEVRON U.S.A. Inc.,  
Gypsum Hills Units-GHU#14, GHU#15, GHU#16, GHU#17, GHU#18,  
GHU#19, GHU#20, GHU#21 & GHU#22 Wellsite locations  
TO: Bureau of Land Management, Vernal District Office  
Attention: Mr. Paul Andrews, Area Manager

The following wellsite locations have been cleared:

GHU#14 Well, BIA ROW # H62-95-97; NWSW Sec. 20, T8S., R21E., SLB&M  
 GHU#15 Well, BIA ROW # H62-95-113; SWSW Sec. 20, T8S., R21E., SLB&M  
 GHU#16 Well, BIA ROW # H62-95-100; SESW Sec. 20, T8S., R21E., SLB&M  
 GHU#17 Well, BIA ROW # H62-95-101; SWSE Sec. 20, T8S., R21E., SLB&M  
 GHU#18 Well, BIA ROW # H62-95-103; SESE Sec. 20, T8S., R21E., SLB&M  
 GHU#19 Well, BIA ROW # H62-95-105; SWNW Sec. 20, T8S., R21E., SLB&M  
 GHU#20 Well, BIA ROW # H62-95-107; SENW Sec. 20, T8S., R21E., SLB&M  
 GHU#21 Well, BIA ROW # H62-95-109, SWSW Sec. 21, T8S., R21E., SLB&M  
 GHU#22 Well, BIA ROW # H62-95-111, SWNW Sec. 22, T8S., R21E., SLB&M

Based on available information received on February 15, 1995, we have cleared the proposed location in the following area of environmental impact.

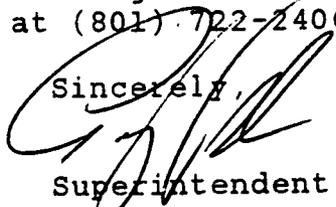
YES  NO  Listed threatened or endangered species  
 YES  NO  Critical wildlife habitat  
 YES  NO  Archeological or cultural resources  
 YES  NO  Air quality aspects (to be used only  
 if project is in or adjacent to a Class I area  
 of attainment  
 YES  NO  Other (if necessary)

REMARKS: Environmental Analysis-6. MITIGATION STIPULATIONS  
Strict conformance to Site Specific Environmental Analysis,  
attached hereto is required.

Upon completion of construction, please submit an Affidavit of Completion with accompanying Certification so that we may record all pertinent documents at the BIA Southwest Title Plant in Albuquerque, New Mexico.

If you have any question regarding said right-of-way, you may contact Mr. Charles Cameron, Acting Resources Officer or Norman Cambridge, Realty Specialist at (801) 722-2406 Ext. 52/49.

Sincerely,

  
 Superintendent.

**CONDITIONS OF APPROVAL**  
**APPLICATION FOR PERMIT TO DRILL**

Company/Operator: Chevron USA Production Co.

Well Name & Number: Gypsum Hills #19

API Number: 43-047-32651

Lease Number: U-0140740

Location: SWNW Sec. 20 T. 8S 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. Copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

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

2. Pressure Control Equipment

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

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

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

The Vernal District Office shall be notified, at least 24 hours prior to initiating the pressure tests, in order to have a BLM representative on location during pressure testing.

3. Casing Program and Auxiliary Equipment

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

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 top of the usable water zone identified at  $\pm$  2505 ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

The Vernal District Office shall be notified at least 24 hours prior to the running and cementing of all casing strings, in order to have a BLM representative on location while running and cementing all casing strings.

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 at a minimum from the production casing shoe to  $\pm$  2305' and shall be utilized to determine the top of cement (TOC) and bond quality for production casing. Submit a field copy of the CBL to this office.

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

6. Notifications of Operations

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

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

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

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

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

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

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

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

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

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

7. Other Information

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

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

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried or anchored down from the wellhead to the meter and within 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

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 monthly for the first three months on new 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 District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

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

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

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

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

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

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

In the event after-hours approvals are necessary, please contact one of the following individuals:

Wayne Bankert           (801) 789-4170  
Petroleum Engineer

Ed Forsman             (801) 789-7077  
Petroleum Engineer

BLM FAX Machine       (801) 781-4410

### EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

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

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

**SURFACE USE PLAN OF OPERATION**  
Conditions of Approval (COAs)

Additional Conditions of Approval

All well site locations on the Uinta and Ouray Indian Reservation will have an appropriate sign indicating the name of the operator, the lease serial number, the well name and number, the survey description of the well (either footages or the quarter-quarter section), the section, township, and range.

As discussed at the on-site, all permanent (on site for six (6) months or longer) structures constructed or installed will be painted a flat, non-reflective earthtone color. All facilities will be painted within six (6) months of installation.

**PROPOSED ACTION**

Chevron USA Incorporated is proposing to drill an oil well, and construct 0.2 miles of access road, and 1050 feet of surface steel pipeline.

**VEGETATION/LANDSCAPE**

Before the site is abandoned, the company will be required to restore the well pad, and access road to near their original state. The disturbed area will be reseeded with desirable perennial vegetation.

Although the road rights-of-way will be 30 feet wide, the graded area of the road will be limited in most places to 21 feet between the two outer edges of the barrow pits. Where deep cuts are required for road construction, or where intersections or sharp curves occur the road may be constructed wider than 21 feet so that large pieces of equipment will have enough room to make turns.

Noxious weeds will be controlled on well sites and rights-of-way. If noxious weeds spread from the well sites or rights-of-way onto adjoining land, the company will also be responsible for their control.

**SOILS/RANGE/WATERSHEDS**

Soil erosion will be mitigated by reseeded all disturbed areas.

Salt and pollution loading of the soil and geological formations will be mitigated by requiring the oil company to use a closed drilling and production systems.

Production water, oil, and other by-products will not be applied to roads or well pads for the control of dust or weeds. Indiscriminate dumping of oil field by-products on tribal lands will not be allowed.

## CULTURAL RESOURCES

All well sites, access roads, and pipeline rights-of-way have had cultural resource surveys completed by a qualified archaeologist or paleontologist. They have also been cleared through the Phoenix Area Archaeologist as required by Sec. 106 of the Historical and Preservation Act.

All vehicular traffic, personnel movement, construction and restoration operations should be confined to the flagged areas and corridors, and to the existing roadways and access roads.

All personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area.

The Ute Tribal Cultural Rights & Protection Office, the Ute Indian Tribal Energy & Minerals Office or the Bureau of Indian Affairs should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.

An archaeologist will be present during the construction of this site to monitor for cultural resources.

## CUMULATIVE IMPACTS

Each additional well drilled for development increases the soil erosion potential, reduces wildlife habitat and grazing, increases potential soil and geologic pollution resulting from salt loading, reduces the soil's potential to recover, and increases the potential of water pollution from produced waters and hydro-carbons. Therefore, strict conformance with the mitigation measures and recommendations in this document is emphasized to minimize the adverse environmental impacts.

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

**SUBMIT IN TRIPLICATE\***  
(Other instructions on reverse side)

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

**APPLICATION FOR PERMIT TO DRILL OR DEEPEN**

JAN 18 1995  
DIV OF OIL, GAS & MINING

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-0140740	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS-WELL <input type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		7. UNIT AGREEMENT NAME GYPSUM HILLS	
2. NAME OF OPERATOR CHEVRON USA PRODUCTION CO., INC.		8. FARM OR LEASE NAME, WELL NO. #19	
3. ADDRESS AND TELEPHONE NO. 11002 EAST, 17500 SOUTH, VERNAL, UT 84078-8526 (801) 781-3400		9. API WELL NO.	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1938' FNL, 653' FWL, SWNW At proposed prod. zone SAME		10. FIELD AND POOL, OR WILDCAT GYPSUM HILLS GREEN RIVER	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 7.1 MILES FROM OURAY, UTAH		12. COUNTY OR PARISH UINTAH	13. STATE UTAH
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 653'	16. NO. OF ACRES IN LEASE 800	17. NO. OF ACRES ASSIGNED TO THIS WELL NA	
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21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4690' GL		22. APPROX. DATE WORK WILL START* 2/15/95	

**PROPOSED CASING AND CEMENTING PROGRAM**

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- Certified Plat
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24. SIGNED [Signature] TITLE TEAM LEADER DATE 1-12-95

(This space for Federal or State office use)

PERMIT NO. 43-047-32651 APPROVAL DATE [Stamp]

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

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY [Signature] TITLE \_\_\_\_\_ DATE 3/15/95

\*See Instructions On Reverse Side

WELL SPACING: \_\_\_\_\_

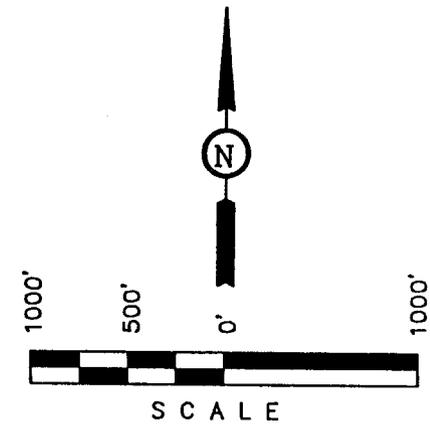
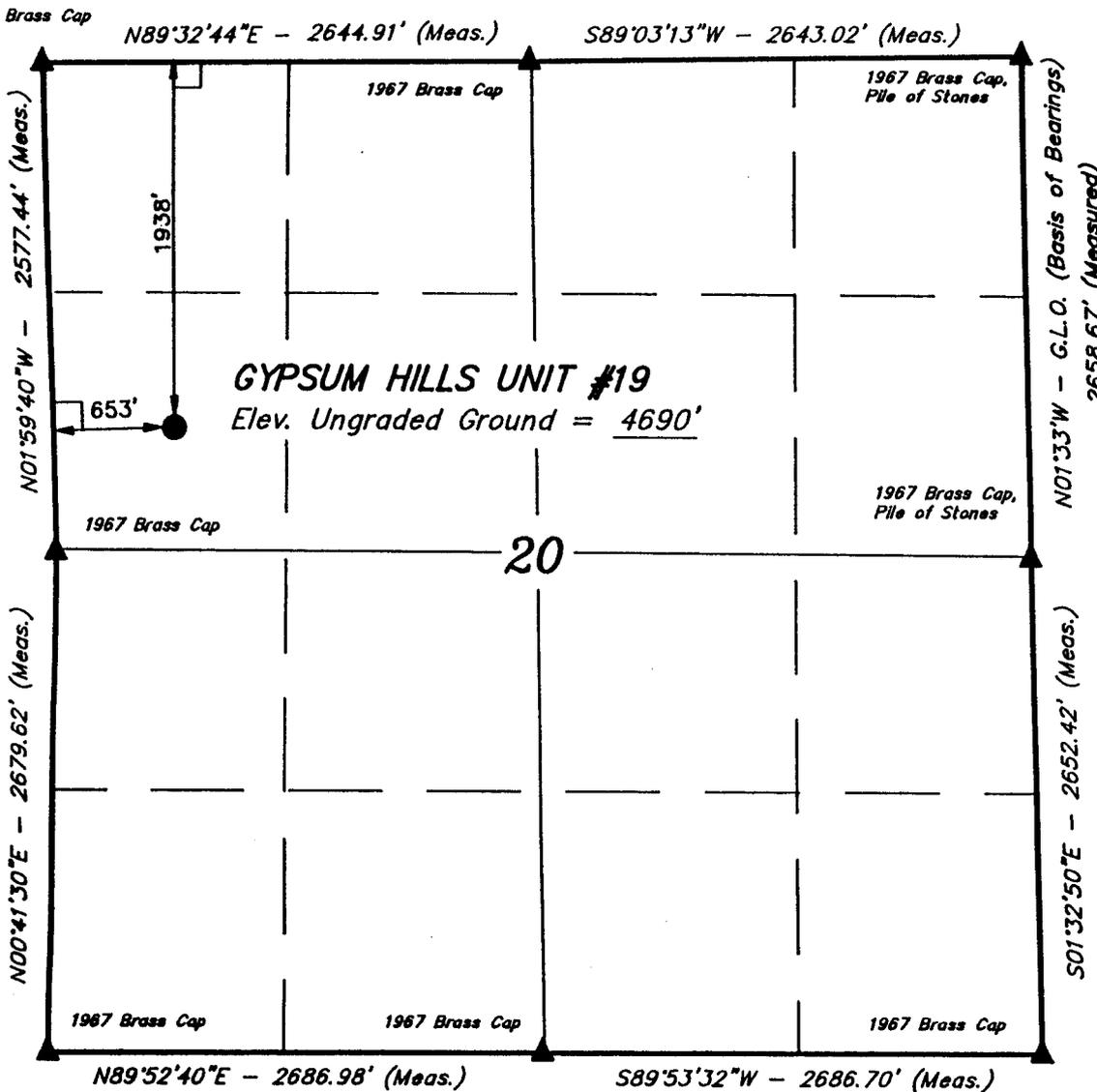
# T8S, R21E, S.L.B.&M.

CHEVRON U.S.A., INC.

Well location, GYPSUM HILLS UNIT #19, located as shown in the SW 1/4 NW 1/4 of Section 20, T8S, R21E, S.L.B.&M. Uintah County, Utah.

## BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHEAST CORNER OF SECTION 20, T8S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE, 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 4754 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. 181319  
 STATE OF UTAH

### LEGEND:

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

## UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078  
 (801) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 11-29-94	DATE DRAWN: 12-5-94
PARTY B.B. R.C. C.B.T.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE CHEVRON U.S.A., INC.	

CHEVRON USA PRODUCTION CO.

GYP SUM HILLS UNIT #19  
1938' FNL, 653' FWL  
SWNW-S20-T8S-R21E  
UINTAH COUNTY, UTAH

EIGHT POINT DRILLING PLAN

1. ESTIMATED FORMATION TOPS:

Uinta	Surface
Green River	~2140' to 5430' TD
Oil Shale	~3315-3510'
G1 Lime (objective)	~5272-5280'

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

**Deepest Fresh Water:** ~700', Uinta Formation.

**Oil Shale:** Oil shale is expected between depths of ~3315-3510'.

**Oil:** Oil is expected in the G1 Lime of the Green River Formation.

**Gas:** None expected, although minor shows may be encountered below ~2100'.

**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 360':** No BOP equipment required.

**For drilling through 8.625" surface casing to TD:**

Maximum anticipated surface pressure <1200 psi.

Pressure control equipment shall be in accordance with BLM minimum standards for 2000 psi equipment.

## GHU #19 - EIGHT POINT DRILLING PLAN

A casing head with an 11", 3000 psi flange will be screwed or 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, 2000 or 3000 psi working pressure. The choke and kill lines will be 2" or 3" bore, 2000 or 3000 psi working pressure. Please refer to attached schematics.

Test procedure and frequency shall be in accordance with BLM minimum standards for 2000 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"	STC	New	None	10' above shoe, every other collar to top of pay (~5272')

#### 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 225 cf (190 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 ~4970' (~300' above top of pay) with 105 cf (85 sx. or 78 sx.).

## **GHU #19 - EIGHT POINT DRILLING PLAN**

Lead slurry - Class A + extender + additives mixed to 11.0 ppg, yield = 3.82 cf/sx. Fill to surface using ~1650 cf (~432 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.

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

#### **Logging:**

Mud logging	~360' to TD
Gamma Ray	TD to ~360'
Spontaneous Potential	TD to ~360'
Induction	TD to ~360'
Density/Neutron	TD-3500'
Sonic	TD-360'

## **GHU #19 - EIGHT POINT DRILLING PLAN**

**Coring:** None planned.

**Testing:** None planned.

### **7. EXPECTED BOTTOM HOLE PRESSURE AND ANY ANTICIPATED ABNORMAL PRESSURE, TEMPERATURES, OR OTHER HAZARDS (H<sub>2</sub>S, 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 @ 5430': ~2350 psi (~0.433 psi/ft.).

Maximum expected BHT @ 5430': ~135° F.

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

### **8. OTHER:**

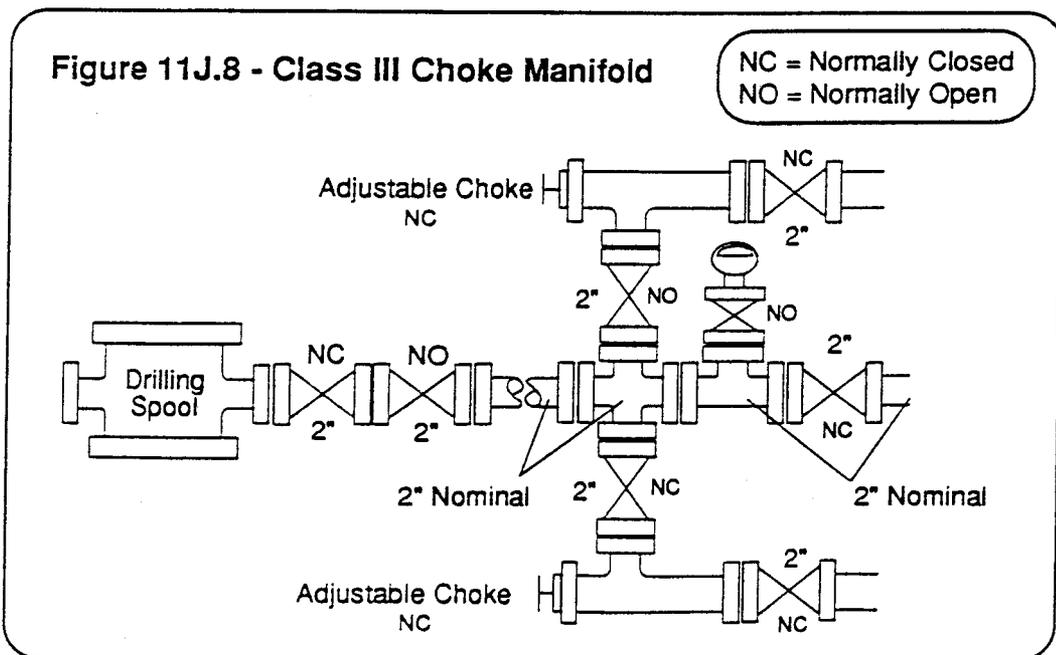
None.

CHEVRON DRILLING REFERENCE SERIES  
 VOLUME ELEVEN  
 WELL CONTROL AND BLOWOUT PREVENTION

**D. CLASS III CHOKE MANIFOLD**

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

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

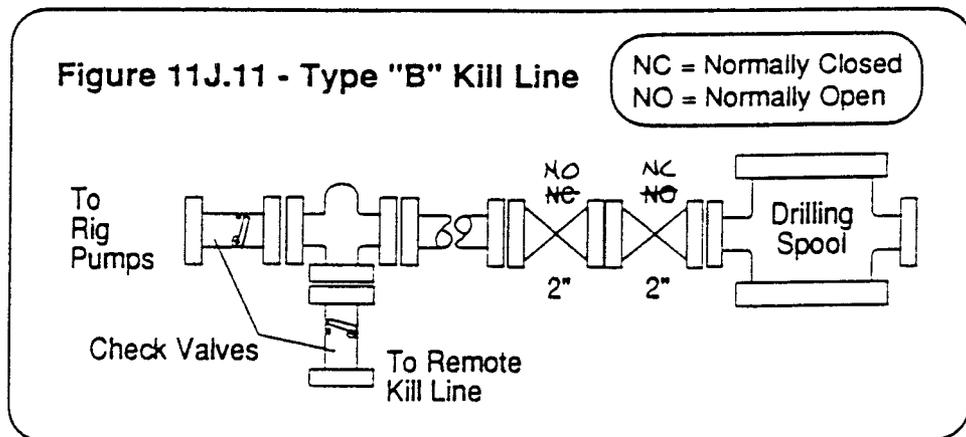


CHEVRON DRILLING REFERENCE SERIES  
VOLUME ELEVEN  
WELL CONTROL AND BLOWOUT PREVENTION

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

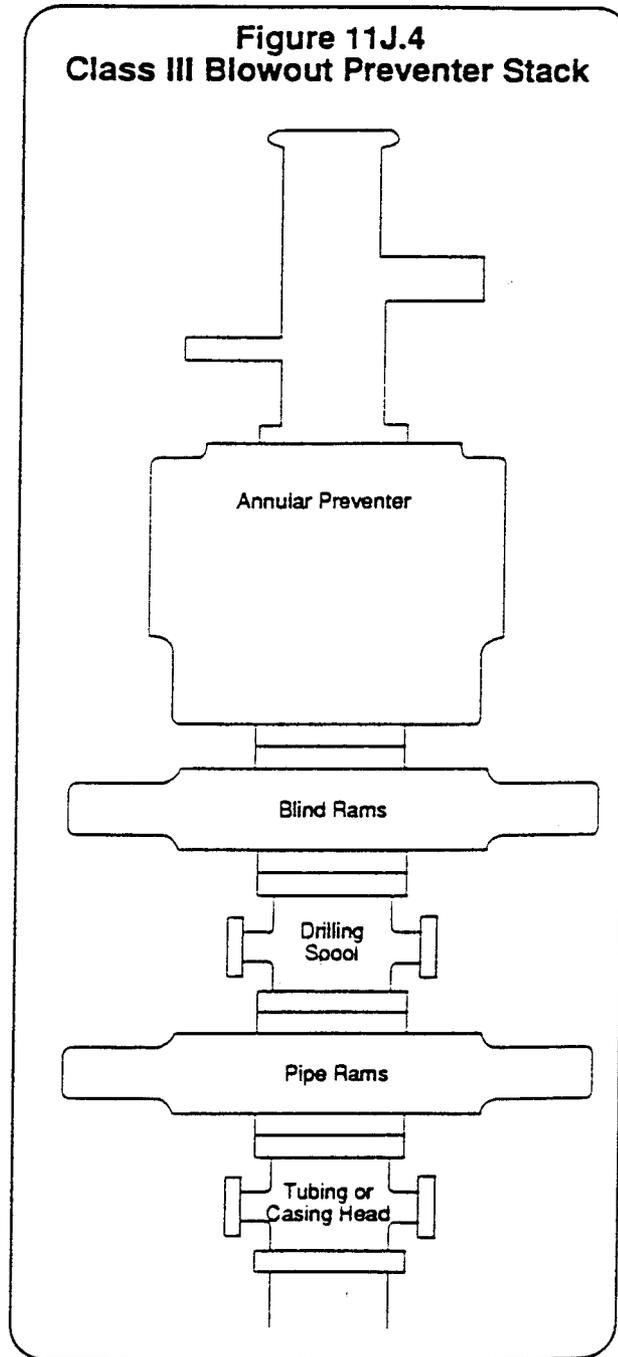
The type B kill line described below in Figure 11J.11 is the minimum recommended hookup for installation on all Class III, Class IV and Class V wells. Specific design features of the type B kill line include:

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.



**CHEVRON USA PRODUCTION CO.**

**GYPSUM HILLS UNIT #19  
1938' FNL & 653' FWL  
SWNW-S20-T8S-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. Travel south from Ouray 0.3 miles on State Hwy. 88. Turn left and travel 5.3 miles on the Wonsits Valley oil field road. Turn left and proceed 0.7 miles on the existing lease road to the proposed access road.

**2. ACCESS ROADS TO BE CONSTRUCTED OR RECONSTRUCTED:**

See Topographic Maps A and B. The access road and location site are on Ute Tribal lands. A new road of approximately 0.8 miles is proposed for access to locations for GHU #12, GHU #14 and GHU #19.

**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 C.

B. Rod pumping equipment, a line heater and cathodic protection system will be installed on the location.

C. The permitting process to construct a central gathering system for Gypsum Hills Unit is underway. A heat-traced surface pipeline is planned to connect the proposed well with the gathering system. If appropriate permits for the gathering system have not been obtained prior to completion of the well, production tankage will be installed on location until the gathering system is built.

## **GHU #19 - THIRTEEN POINT SURFACE USE PLAN**

D. 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 BIA.

### **5. LOCATION AND TYPE OF WATER SUPPLY:**

Water from the following sources will be used:

A. Wonsits Valley Federal Unit water supply wells, 1965 Application #36125.

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

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 closed mud system is planned, requiring a trench for the reserve tank.

B. Excess reserve pit fluid will be disposed of via haul-off to a commercial disposal facility.

C. Drill cuttings will be caught and settled in the reserve tank and buried when the trench 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.

## **GHU #19 - THIRTEEN POINT SURFACE USE PLAN**

G. In the event fluids are produced, any oil will be transferred to existing facilities within Gypsum Hills Unit and sold. Any water will be transferred to WVFU Battery 6 to be injected through the waterflood system.

H. Hazardous chemicals 10,000 lb. 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. A closed mud system is planned

B. Burn pit will not be lined.

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

### **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 BIA.

## **GHU #19 - THIRTEEN POINT SURFACE USE PLAN**

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 1995. 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 flowlines are constructed on Ute Tribal land. The operator shall contact the BLM office at (801) 789-1362 and the BIA office at (801) 722-2406 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.

**GHU #19 - 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.

1-12-95

Date



J. T. Conley  
Red Wash Area 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 Gypsum Hills Unit #19, SWNW-Sec.20-T8S-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,



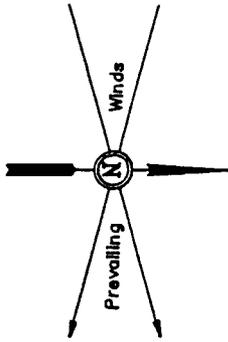
J. T. Conley  
Red Wash Area Team Leader

DATE: 1-12-95

CHEVRON USA., INC.

LOCATION LAYOUT FOR

GYPSON HILLS UNIT #19  
SECTION 20, T8S, R21E, S.L.B.&M.  
1938' FNL 653' FWL



SCALE: 1" = 50'  
DATE: 12-5-94  
Drawn By: C.B.T.



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

APPROX.  
TOP OF  
CUT SLOPE



160'

A

El. 90.1'  
C-2.1'

C-3.8'  
El. 91.8'

C-6.2'  
El. 94.2'

El. 91.3'  
C-3.3'

C-5.9'  
El. 93.9'

C-2.3'  
El. 90.3'

El. 88.7'  
C-0.7'

El. 86.0'  
F-2.0'

El. 79.4'  
F-8.6'

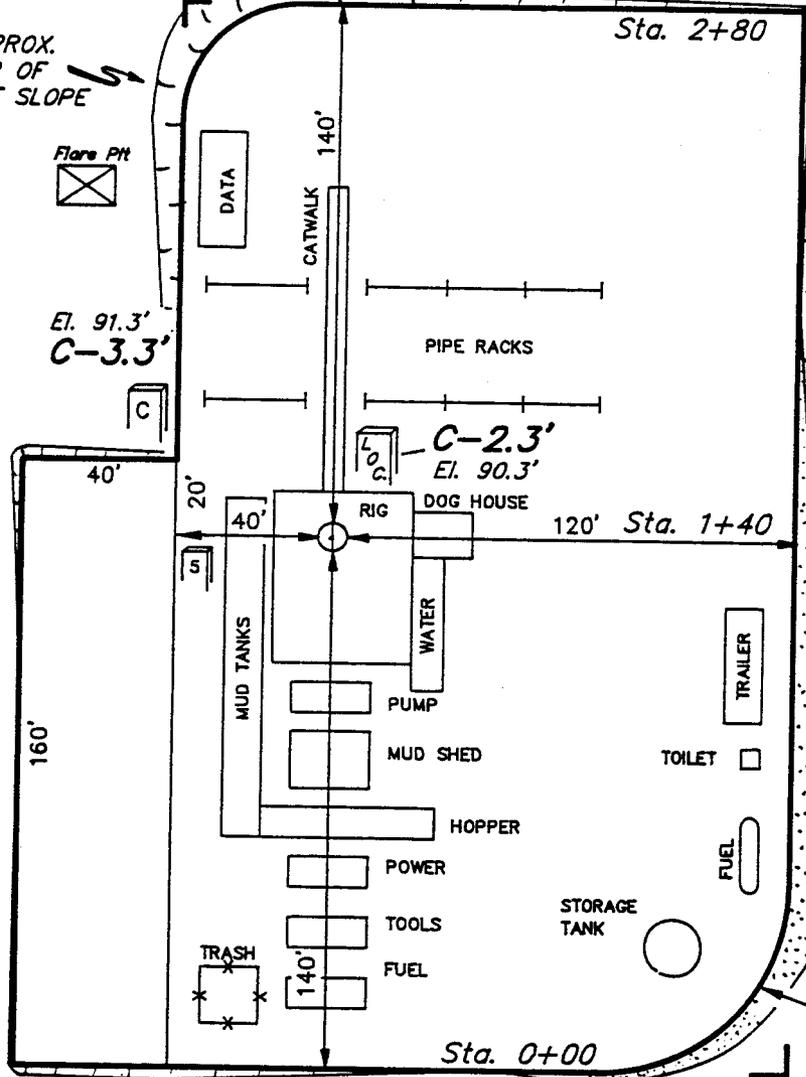
Proposed Access  
Road

Topsail Stockpile

Sta. 2+80

120' Sta. 1+40

Sta. 0+00



APPROX.  
TOE OF  
FILL SLOPE

Round Corners  
as Needed

**FIGURE #1**

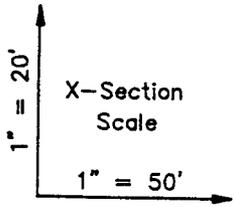
Elev. Ungraded Ground at Location Stake = 4690.3'  
Elev. Graded Ground at Location Stake = 4688.0'

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East • Vernal, Utah 84078 • (801) 789-1077

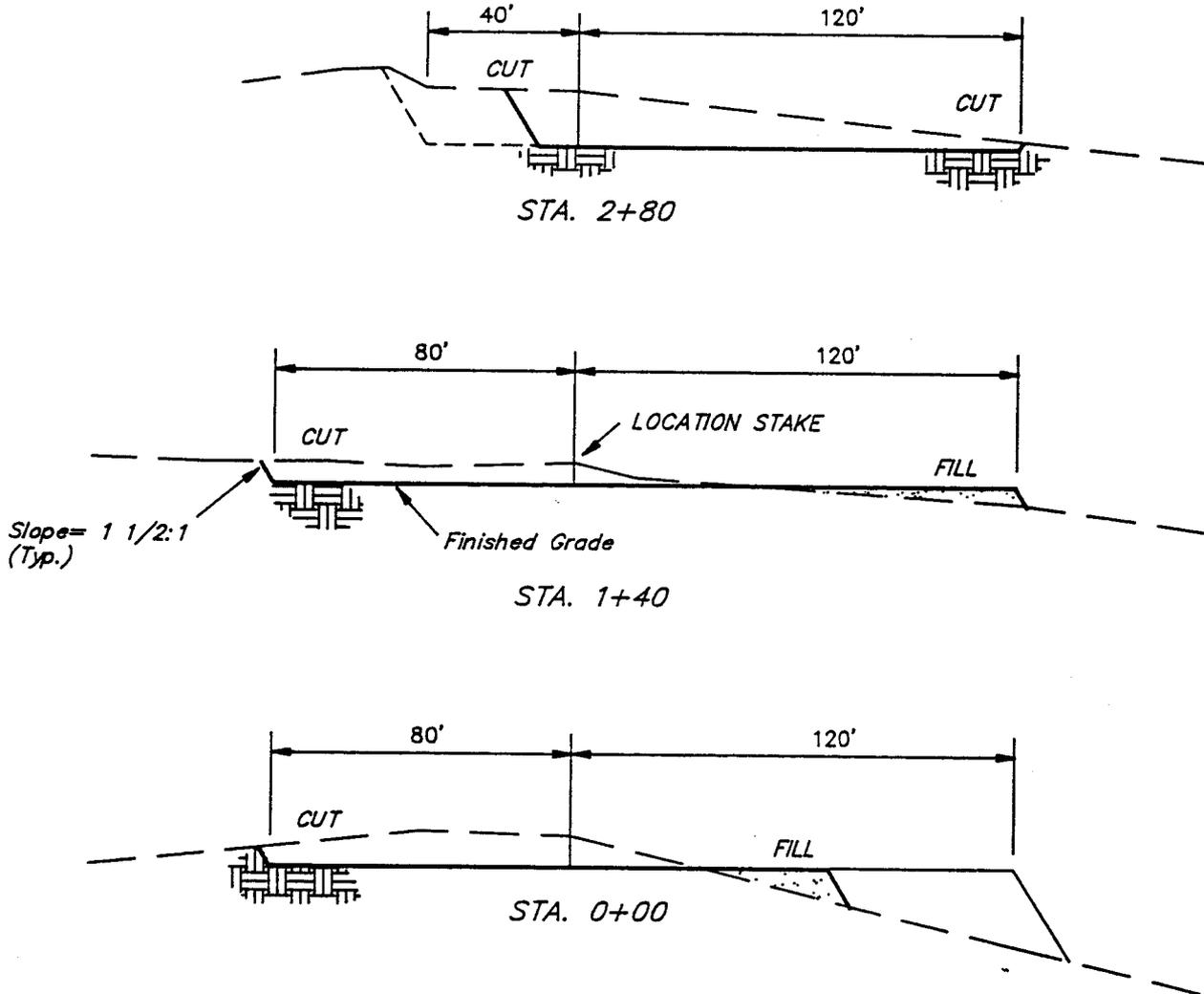
CHEVRON USA., INC.

TYPICAL CROSS SECTIONS FOR

GYPSUM HILLS UNIT #19  
SECTION 20, T8S, R21E, S.L.B.&M.  
1938' FNL 653' FWL



DATE: 12-5-94  
Drawn By: C.B.T.



**FIGURE #2**

APPROXIMATE YARDAGES

CUT

(12") Topsoil Stripping = 1,900 Cu. Yds.  
Remaining Location = 2,800 Cu. Yds.

TOTAL CUT = 4,700 CU.YDS.

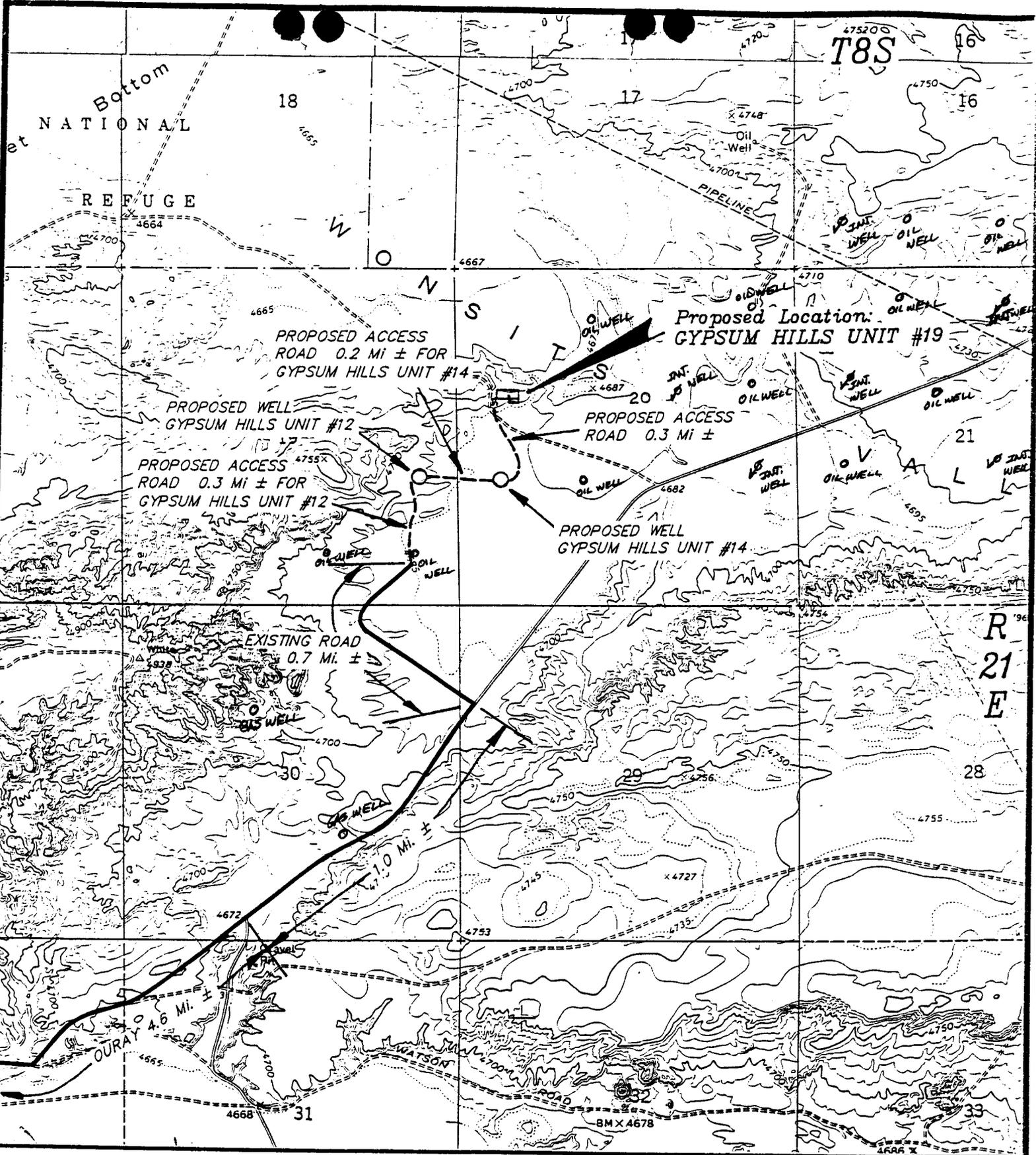
FILL = 2,660 CU.YDS.

EXCESS MATERIAL AFTER  
5% COMPACTION

Topsoil = 1,900 Cu. Yds.

EXCESS CUT MATERIAL = 0 Cu. Yds.

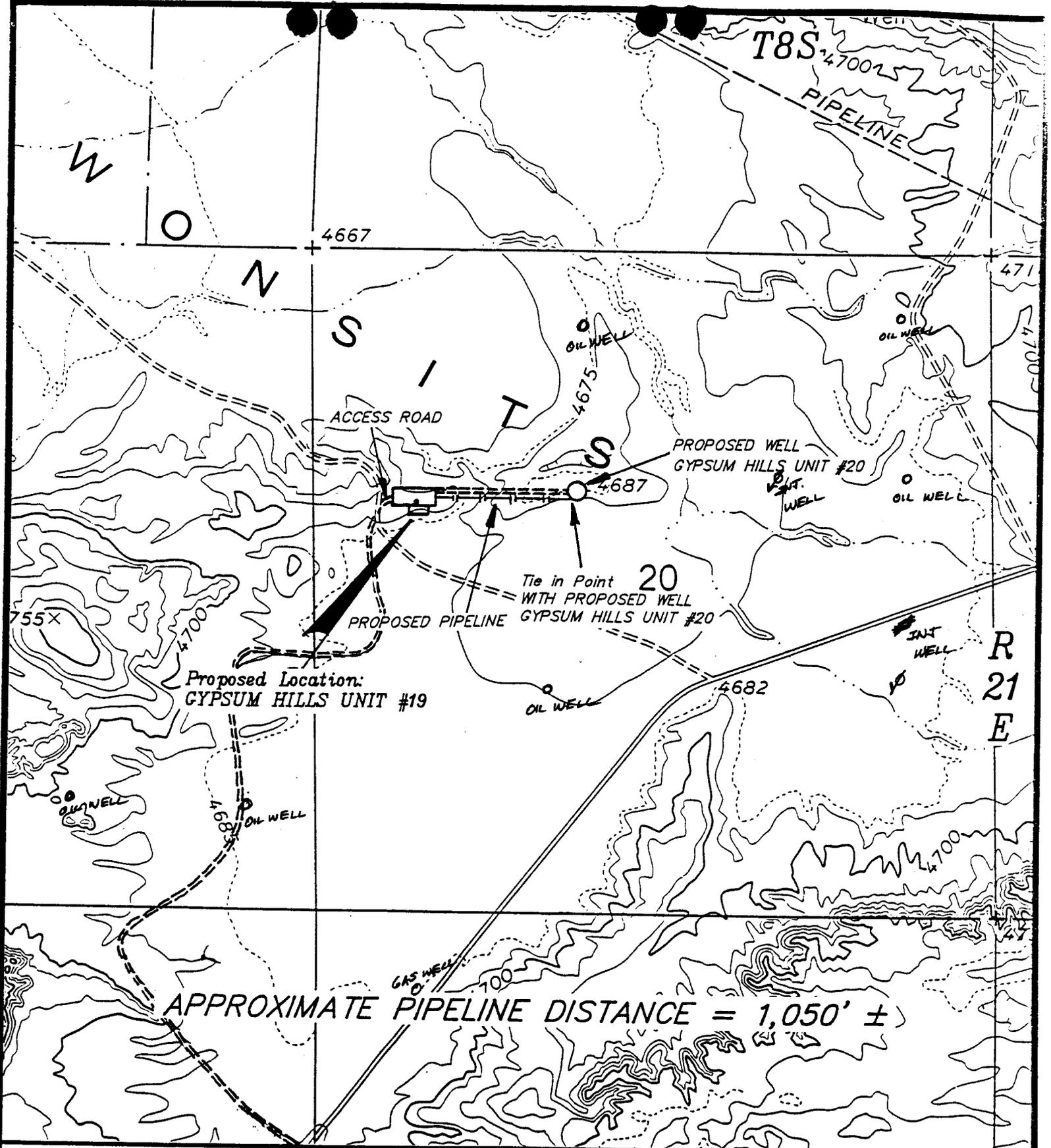
**UINTAH ENGINEERING & LAND SURVEYING**  
85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017



TOPOGRAPHIC  
 MAP "B"  
 SCALE: 1" = 2000'  
 DATE: 12-2-94 J.D.S.



CHEVRON U.S.A., INC.  
 GYPSUM HILLS UNIT #19  
 SECTION 20, T8S, R21E, S.L.B.&M.  
 1938' FNL 653' FWL



TOPOGRAPHIC  
MAP "C"

LEGEND:

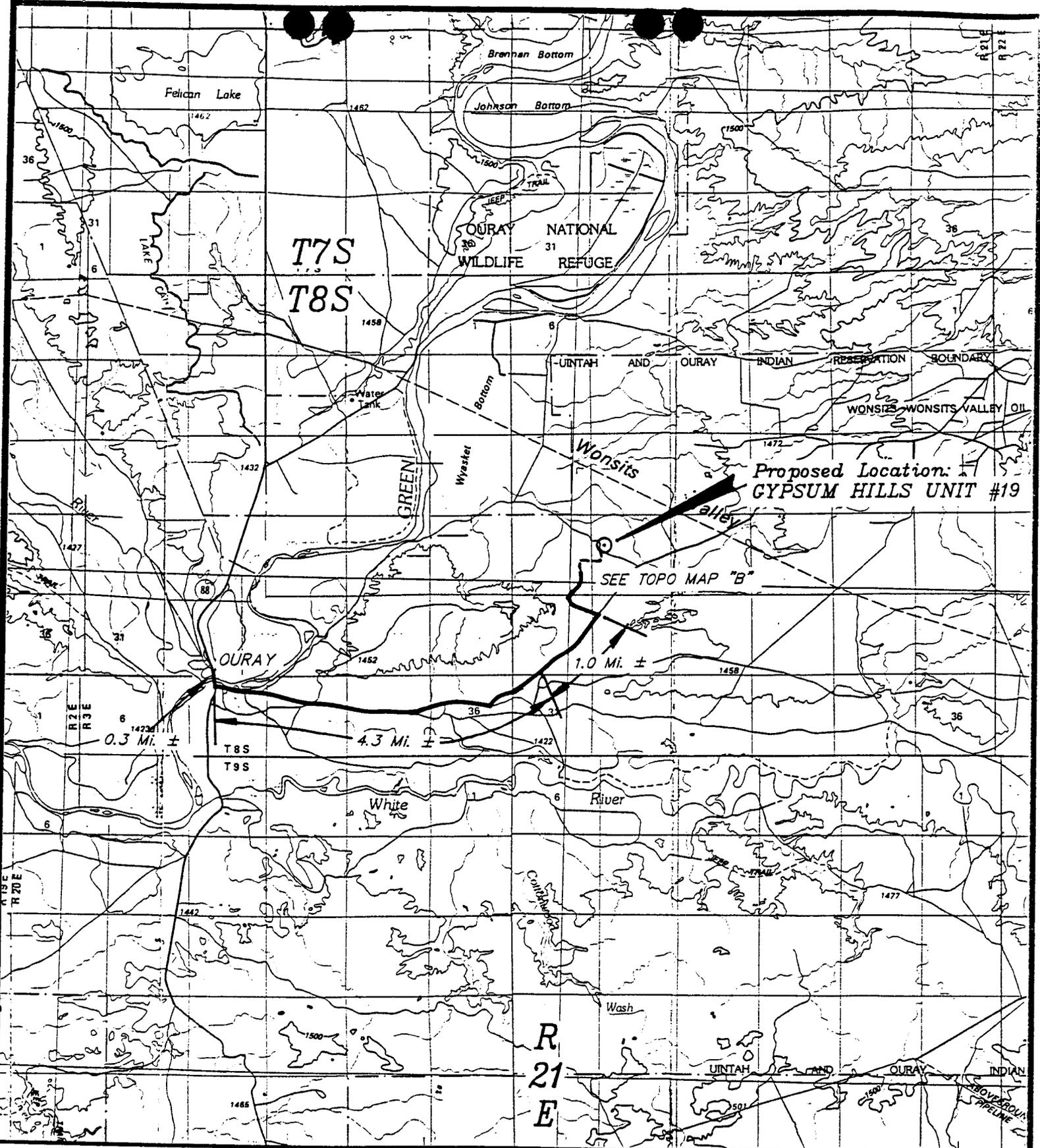
- EXISTING PIPELINE
- Proposed Pipeline



CHEVRON U.S.A., INC.

GYPSUM HILLS UNIT #19  
SECTION 20, T8S, R21E, S.L.B.&M.

DATE: 12-6-94 J.D.S.



TOPOGRAPHIC  
MAP "A"

DATE: 12-2-94 J.D.S.



CHEVRON U.S.A., INC.

GYPNUM HILLS UNIT #19  
SECTION 20, T8S, R21E, S.L.B.&M.  
1938' FNL 653' FEL

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 01/18/95

API NO. ASSIGNED: 43-047-32651

WELL NAME: GYPSUM HILLS #19  
OPERATOR: CHEVRON USA PRODUCTION CO (N0210)

PROPOSED LOCATION:  
SWNW 20 - T08S - R21E  
SURFACE: 1938-FNL-0653-FWL  
BOTTOM: 0938-FNL-0653-FWL  
UINTAH COUNTY  
GYPSUM HILLS FIELD (610)

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

LEASE TYPE: FED  
LEASE NUMBER: U-0140740

PROPOSED PRODUCING FORMATION: GRRV

RECEIVED AND/OR REVIEWED:

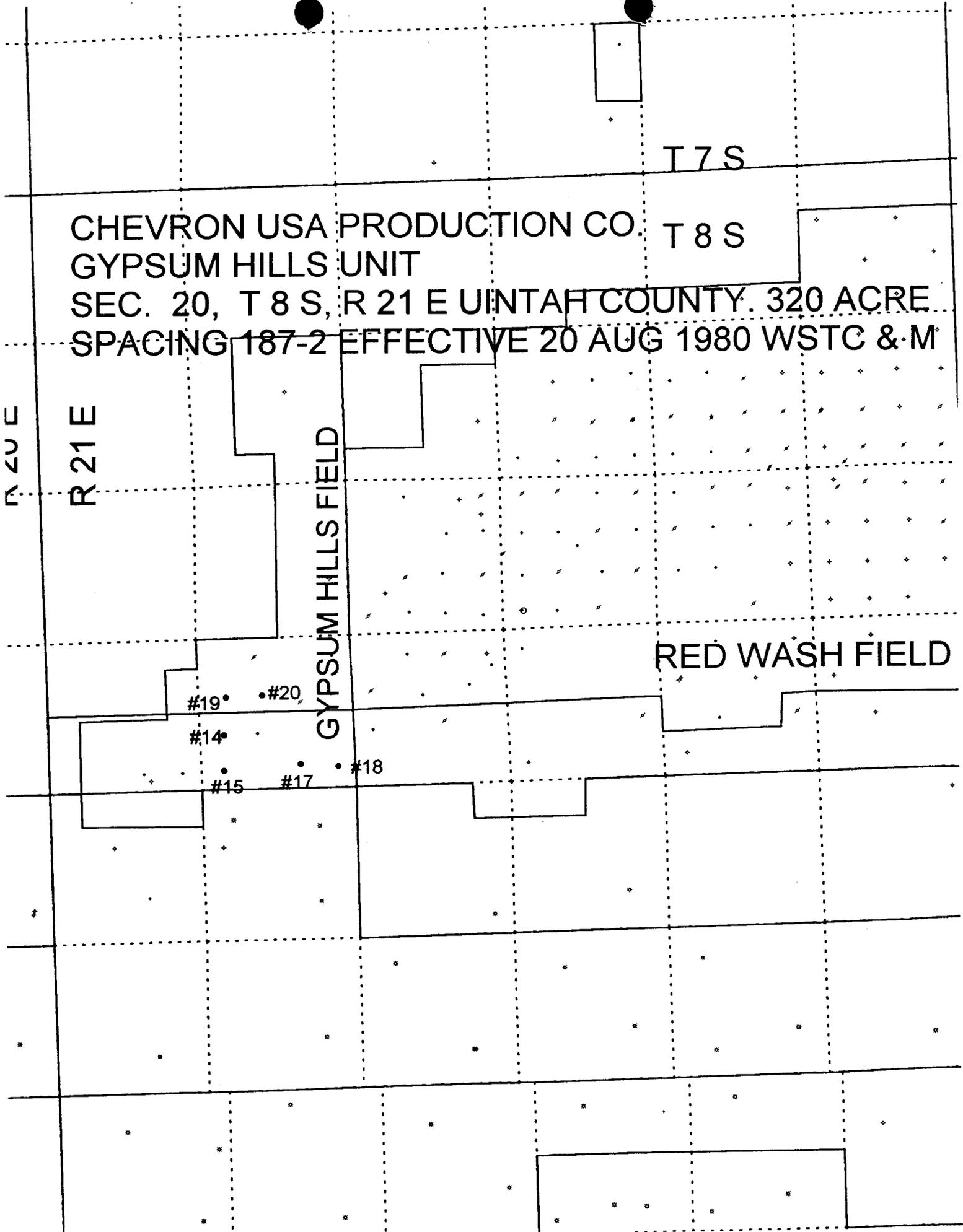
Y Plat  
Y Bond: Federal  State  Fee   
(Number U-89-75-81-34)  
N Potash (Y/N)  
N Oil shale (Y/N)  
Y Water permit  
(Number 43-8496)  
N RDCC Review (Y/N)  
(Date: \_\_\_\_\_)

LOCATION AND SITING:

R649-2-3. Unit: UTU67951A  
 R649-3-2. General.  
 R649-3-3. Exception.  
 Drilling Unit.  
Board Cause no: \_\_\_\_\_  
Date: \_\_\_\_\_

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

STIPULATIONS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



T 7 S

CHEVRON USA PRODUCTION CO. T 8 S

GYPSUM HILLS UNIT

SEC. 20, T 8 S, R 21 E UTAH COUNTY. 320 ACRE

SPACING 187-2 EFFECTIVE 20 AUG 1980 WSTC & M

R 21 E

R 21 E

GYPSUM HILLS FIELD

RED WASH FIELD

#19 • #20  
#14 •  
#15 #17 • #18



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)

March 15, 1995

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

Re: Gypsum Hills #19 Well, 1938' FNL, 653' FWL, SW NW, Sec. 20, T. 8 S., R. 21 E.,  
Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Admin. R. 649-3-1 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 43-047-32651.

Sincerely,

A handwritten signature in black ink, appearing to read 'R. J. Pirth'.

R. J. Pirth  
Associate Director

ldc

Enclosures

cc: Uintah County Assessor

Bureau of Land Management, Vernal District Office

WAPD

Operator: Chevron USA Production Co., Inc.

Well Name & Number: Gypsum Hills #19

API Number: 43-047-32651

Lease: U-0140740

Location: SW NW Sec. 20 T. 8 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)538-5340.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Frank Matthews or Mike Hebertson at (801)538-5340.

#### 3. Reporting Requirements

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

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

**SUBMIT IN TRIPLICATE\***  
(Other instructions on reverse side)

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

5. LEASE DESIGNATION AND SERIAL NO.  
**U-0140740**

**APPLICATION FOR PERMIT TO DRILL OR DEEPEN**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
**UINTAH-OURAY**

7. UNIT AGREEMENT NAME  
**GYPSUM HILLS**

1a. TYPE OF WORK  
**DRILL  DEEPEN**

b. TYPE OF WELL  
OIL WELL  GAS-WELL  OTHER \_\_\_\_\_  
SINGLE ZONE  MULTIPLE ZONE

8. FARM OR LEASE NAME, WELL NO.  
**#19**

9. API WELL NO.  
**43-047-32651**

3. ADDRESS AND TELEPHONE NO.  
**11002 EAST, 17500 SOUTH, VERNAL, UT 84078-8526 (801) 781-3400**

10. FIELD AND POOL, OR WILDCAT  
**GYPSUM HILLS  
GREEN RIVER**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface  
**1938' FNL, 653' FWL, SWNW**  
At proposed prod. zone  
**SAME**

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
**SEC. 20-T8S-R21E, SLB&M**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
**7.1 MILES FROM OURAY, UTAH**

12. COUNTY OR PARISH  
**UINTAH**

13. STATE  
**UTAH**

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) **653'**

16. NO. OF ACRES IN LEASE  
**800**

17. NO. OF ACRES ASSIGNED TO THIS WELL  
**NA**

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. **1307'**

19. PROPOSED DEPTH  
**7250'**

20. ROTARY OR CABLE TOOLS  
**ROTARY**

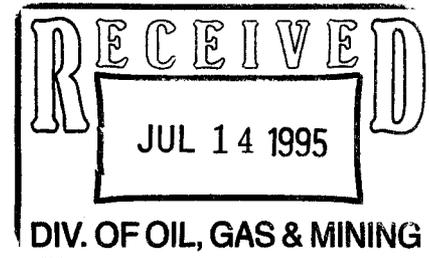
21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**4690' GL**

22. APPROX. DATE WORK WILL START\*  
**8/1/95**

**PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8" K-55/J-55	24#	560	300 SX.
7-7/8"	5-1/2" N-80	17#	7250	1009 SX.

Please refer to our previously submitted APD for the subject well. We now propose to test Wasatch Formation hydrocarbon potential at this location with the casing and cementing program revised as noted above. If the Wasatch does not prove productive, the well will be completed as a Green River Formation oil producer as originally proposed. BOP equipment for drilling to the Wasatch will conform to BLM minimum requirements for 3000 psi.



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

24. SIGNED *Wald Peterson* TITLE *Petroleum Engineer* DATE *7/12/95*

(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 \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: CHEVRON USA

Well Name: GYPSUM HILLS UNIT # 19

Api No. 43-047-32651

Section 20 Township 8S Range 21E County UINTAH

Drilling Contractor \_\_\_\_\_

Rig # \_\_\_\_\_

SPUDDED: Date 8/20/95

Time \_\_\_\_\_

How DRY HOLE

Drilling will commence \_\_\_\_\_

Reported by GARR ROBERTS

Telephone # \_\_\_\_\_

Date: 8/25/95 Signed: JLT

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	5355	43-047-32651	Gypsum Hills Unit #19	SWNW	20	8S	21E	Uintah	8/19/95	

WELL 1 COMMENTS:

The GHU #19 well will drill and test the Wasatch formation for gas production. The Wasatch formation is not unitized within the Gypsum Hills Field. The #19 well will be drilled on lease #U-0140740. If the Wasatch formation is non-productive, this well may be tested for Green River oil production within the unitized zone.

WELL 2 COMMENTS:

*Entity added 8-31-95. Lee*

WELL 3 COMMENTS:

WELL 4 COMMENTS:

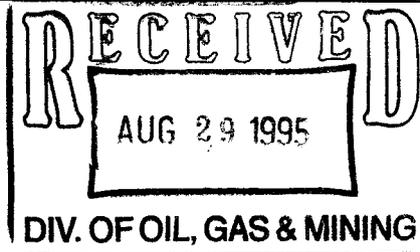
WELL 5 COMMENTS:

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)



*St. C. Lee*  
Signature  
**Asset Team Leader**  
Title  
8-25-95  
Date  
Phone No. **(801) 781-4300**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

***SUBMIT IN TRIPLICATE***

1. Type of Well  
Oil Gas  
 Well  Well  Other

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

3. Address and Telephone No. **Steve McPherson in Red Wash (801) 781-4310**  
**11002 E. 17500 S. VERNAL, UT 84078-8526** or **Gary Scott in Rangely, CO. (970) 675-3791**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1938' FNL & 653' FWL (SW NW) SECTION 20, T8S, R21E, SLBM**

5. Lease Designation and Serial No.  
**U-0140740**

6. If Indian, Allottee or Tribe Name  
**UINTAH-OURAY**

7. If Unit or CA, Agreement Designation  
**GYPNUM HILLS UNIT**

8. Well Name and No.  
**GYPNUM HILLS UNIT 19**

9. API Well No.  
**43-047-32651**

10. Field and Pool, or Exploratory Area  
**Gypsum Hills - Green River**

11. County or Parish, State  
**UINTAH, UTAH**

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

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

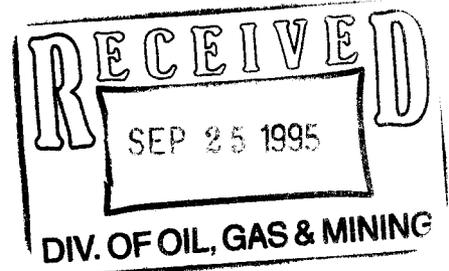
(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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)

**WE ARE GOING TO ATTEMPT A WASATCH COMPLETION OF THIS WELL.**

**IF SUCCESSFUL, THIS WELL WILL NOT BE A UNIT WELL.**

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



14. I hereby certify that the foregoing is true and correct.  
Signed G.D. Scott *G.D. Scott* Title Drilling Technician Date September 20, 1995

(This space for Federal or State office use)

Approved by: \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any

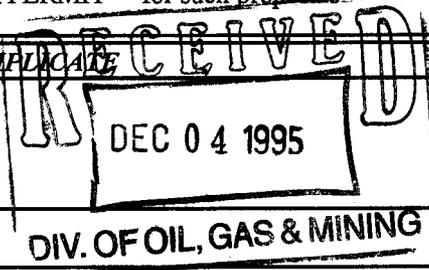
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to deepen or reentry to a different reservoir  
Use "APPLICATION FOR PERMIT--" for such proposals

*SUBMIT IN TRIPLICATE*



1. Type of Well  
 Oil Well  Gas Well  Other

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

3. Address and Telephone No.  
**11002 E. 17500 S. VERNAL, UT 84078-8526**  
 Steve McPherson in Red Wash (801) 781-4310  
 or Gary Scott in Rangely, CO. (970) 675-3791

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1938' FNL & 653' FWL (SW NW) SECTION 20, T8S, R21E, SLBM**

5. Lease Designation and Serial No.  
**U-0140740**

6. If Indian, Allottee or Tribe Name  
**UINTAH-OURAY**

7. If Unit or CA, Agreement Designation  
**GYPSUM HILLS**

8. Well Name and No.  
**GYPSUM HILLS UNIT 19**

9. API Well No.  
**43-047-32651**

10. Field and Pool, or Exploratory Area  
**Gypsum Hills - Green River**

11. County or Parish, State  
**UINTAH, UTAH**

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

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

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

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

The above well commenced production effective 11/28/95.

14. I hereby certify that the foregoing is true and correct.  
 Signed G.D. SCOTT *G.D. Scott* Title DRILLING TECHNICIAN Date November 29, 1995

(This space for Federal or State office use)

Approved by: \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any

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

OPERATOR CHEVRON USA INC

OPERATOR ACCT. NO. N 0210

ADDRESS \_\_\_\_\_

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	5355	11864	43-047-32651	GYP SUM HILLS 19	SWNW	20	8S	21E	UINTAH	8-20-95	
WELL 1 COMMENTS: <b>*OPER COMPL WELL WSTC PZ;NON UNIT FORMATION;ENTITY FR 5355 (UNIT ENTITY) TO 11864.</b>											
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)
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- 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)

*lc*  
**L. CORDOVA (DOGM)**

Signature

**ADMIN. ANALYST**

Title

**12-11-95**

Date

Phone No. ( )

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-0140740

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
UINTAH-OURAY

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL  
OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

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

7. UNIT AGREEMENT NAME  
GYPSUM HILLS UNIT

8. FARM OR LEASE NAME  
GYPSUM HILLS UNIT

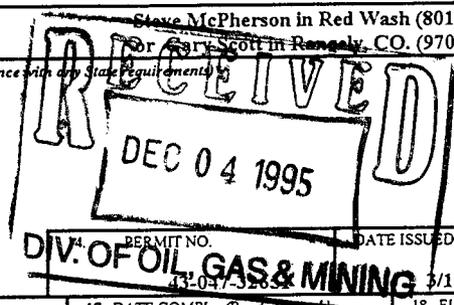
2. NAME OF OPERATOR  
CHEVRON U.S.A. PRODUCTION COMPANY

9. WELL NO.  
19

3. ADDRESS OF OPERATOR  
11002 E. 17500 S. VERNAL, UT 84078-8526

4. LOCATION OF WELL (Report location clearly and in accordance with any State Requirements)  
At surface 1938' FNL & 653' FWL  
At top rod. interval reported below SAME  
At total depth SAME

10. FIELD AND POOL, OR WILDCAT  
GYPSUM HILLS-GRN. RIVER



11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
SW NW SEC. 20, T8S, R21E, SLBM

12. COUNTY OR PARISH  
UINTAH

13. STATE  
UTAH

15. DATE SPUNDED  
9/3/95

16. DATE T.D. REACHED  
9/19/95

17. DATE COMPL. (Ready to prod.)  
11/10/95

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*  
4688 G.L. 4704 K.B.

19. ELEV. CASINGHEAD  
4688

20. TOTAL DEPTH, MD & TVD  
7335 MD

21. PLUG BACK T.D., MD & TVD  
7307 MD

22. IF MULTIPLE COMPL., HOW MANY\*  
1

23. INTERVALS DRILLED BY  
ROTARY TOOLS: 0-7335  
CABLE TOOLS: \_\_\_\_\_

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

WASATCH (GROSS)	TOP	6665 MD	6665 TVD	BOTTOM	6808 MD	6808 TVD
WASATCH (GROSS)	TOP	7003 MD	7003 TVD	BOTTOM	7254 MD	7254 TVD

25. WAS DIRECTIONAL SURVEY MADE  
NO

26. TYPE ELECTRIC AND OTHER LOGS RUN  
DUAL INDUCTION, DENSITY, NEUTRON, GAMMA RAY, MRI 10-10-95

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#	572	12 1/4"	250 SXS	N/A
5 1/2"	17#	7335	7 7/8"	740 SXS	N/A

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
N/A					2 7/8"	7202	N/A

30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
N/A					2 7/8"	7202	N/A

31. PERFORATION RECORD (Interval, size and number)  
4 SPF: 5525, 5653, 5700, 5840, 5875, 5929, 6665-6678, 6685-6695, 6800-6808, 7003-7008, 7078-7096, 7150-7157, 7217-7229, 7231-7233, 7239-7254

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7003-7254 (GROSS)	45,780 GAL FLUID, 221,000# 20/40 SAND
6665-6808 (GROSS)	15,450 GAL FLUID, 44,400# 20/40 SAND
5525-5929 (GROSS)	SQUEEZED 150 SXS "H" CEMENT

33. PRODUCTION

DATE FIRST PRODUCTION: 11/28/95

PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump): FLOWING

WELL STATUS (Producing or shut-in): PRODUCING

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PRODN FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
11/28/95	24	8/64	TSTM	482	TSTM	N/A	N/A

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF	WATER--BBL.	OIL GRAVITY-API (CORR.)
2100	2150	TSTM	482	TSTM	N/A	N/A

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

TEST WITNESSED BY  
Glen Beaman

35. LIST OF ATTACHMENTS  
NONE (LOGS PREVIOUSLY SENT)

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

SIGNED G.D. SCOTT *G.D. Scott* TITLE DRILLING TECHNICIAN DATE November 29, 1995

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):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
UINTA	SURFACE	2252	NO TESTS			
GREEN RIVER	2252	6151	NO TESTS	OIL SHALE G1 LIME G1 SAND	3517 5292 5305	
WASATCH	6151	7200 (T.D.)	NO TESTS			

**EQUIPMENT INVENTORY**  
**UTAH DIVISION OF OIL, GAS AND MINING**  
**STATE OF UTAH**

Operator: CHEVRON USA INC. Lease: State: \_\_\_\_\_ Federal: X Indian: \_\_\_\_\_ Fee: \_\_\_\_\_

Well Name: GYPSUM HILLS #19 API Number: 43-047-32651

Section: 20 Township: 8S Range: 21E County: UINTAH Field: GYPSUM HILLS

Well Status: PQW Well Type: Oil: \_\_\_\_\_ Gas: X

**PRODUCTION LEASE EQUIPMENT: (NUMBER)**

Boiler(s): \_\_\_\_\_ Compressor(s): \_\_\_\_\_ Separator(s): \_\_\_\_\_ Dehydrator(s): 1

Shed(s): \_\_\_\_\_ Line Heater(s): \_\_\_\_\_ Heated Separator(s): 1 VRU: \_\_\_\_\_

Heater Treater(s): \_\_\_\_\_

**PUMPS:**

Triplex: \_\_\_\_\_ Chemical: 1 Centrifugal: \_\_\_\_\_

**LIFT METHOD:**

Pumpjack: \_\_\_\_\_ Hydraulic: \_\_\_\_\_ Submersible: \_\_\_\_\_ Flowing: X

**GAS EQUIPMENT: (NUMBER)**

Purchase Meter: 0 Sales Meter: 2

**TANKS:**

NUMBER

SIZE

Oil Storage Tank(s): \_\_\_\_\_ BBLS

Water Tank(s): \_\_\_\_\_ BBLS

Power Water Tank: \_\_\_\_\_ BBLS

Condensate Tank(s): 1 100 BBLS

Propane Tank: \_\_\_\_\_

Central Battery Location: (IF APPLICABLE)

Qtr/Qtr: \_\_\_\_\_ Section: \_\_\_\_\_ Township: \_\_\_\_\_ Range: \_\_\_\_\_

REMARKS: RESERVE CLOSED. TWO SALES METERS, ONE IS CHART; ONE IS DIGITAL.

Inspector: DAVID W. HACKFORD

Date: 3/6/96

↑  
North

Solar  
Panel

Benn



Access

Gas Sales  
Line

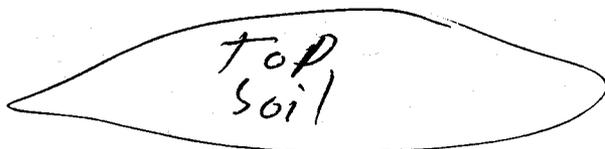
Two  
Meters

Dehydrator

Heated  
separator

Wellhead

Access



22-141 50 SHEETS  
22-142 100 SHEETS  
22-144 200 SHEETS



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to deepen or reentry to a different reservoir  
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.  
**U-0140740**

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

7. If Unit or CA, Agreement Designation  
**GYPSUM HILLS UNIT**

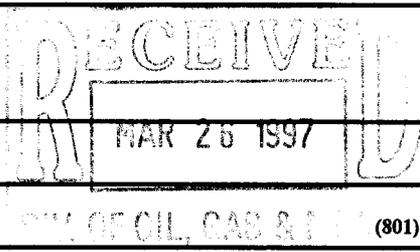
8. Well Name and No.  
**GYPSUM HILLS UNIT 19**

9. API Well No.  
**43-047-32651**

10. Field and Pool, or Exploratory Area  
**Gypsum Hills Unit - Green River**

11. County or Parish, State  
**UINTAH, UTAH**

**SUBMIT IN TRIPLICATE**



1. Type of Well  
Oil  Gas   
Well  Well  Other

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

3. Address and Telephone No.  
**11002 E. 17500 S. VERNAL, UT 84078-8526**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1938' FNL & 653' FWL (SW NW) SECTION 20, T8S, R21E, SLBM**

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

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

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

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

**WE INTEND TO RECOMPLICATE THIS WELL TO AN OIL PRODUCER IN THE GREEN RIVER FORMATION AS FOLLOWS:**

- MIRU. KILL WELL. ND WH AND NU BOPE. TOH WITH TUBING.
- WASATCH FM. TOP @ 6151'. SET CIBP @ ~6210' AND SPOT 100 FT. CLASS H CEMENT ON TOP. CIRCULATE CLEAN AND DISPLACE TO ~ 5200' WITH 9.2 PPG BRINE.**
- TOP SQUEEZED TEST PERFORATIONS @ 5525'. SET CIPBP @ ~5500' AND CAP WITH 35' CLASS H.**
- PERFORATE THE G1 LIME AT 5292-98' USING 4 JSPF, 90° PHASING, MAXIMUM AVAILABLE CHRG VIS HSC. DEPTHS ARE FROM WESTERN ATLAS INDUCTION LOG DATED 9/18/95.**
- HYDROTEST IN HOLE TO ~5500 PSI WITH PACKER AND 2 7/8" TUBING. SET PACKER AT ~5200' AND PRESSURE TEST ANNULUS. BREAKDOWN PERFORATIONS AND ESTABLISH INJECTION RATE.**
- STIMULATE WITH A CLOSED FRACTURE ACIDIZING TREATMENT AS FOLLOWS; HCL ACID - 28% HCL CONTAINING 0.3% NON-IONIC SURFACTANT, CORROSION INHIBITOR FOR 8HR @ 145° F. GELLED ACID - 28% HCL CONTAINING 0.3% NON-IONIC SURFACTANT, CORROSION INHIBITOR FOR 8 HR @ 145° F AND 20 GAL/M SGA. NOTE - FRACTURING AND MATRIX RATES ARE TARGETS. INJECT AT MAXIMUM POSSIBLE RATE WITHOUT EXCEEDING ~5000 PSI WHILE FRACTURING. INJECT AT MAXIMUM POSSIBLE RATE WITHOUT EXCEEDING 0.82 PS/FT FRACTURE GRADIENT WHILE ON MATRIX PORTION OF JOB.**
- FLOW/SWAB UNTIL PH<6 OR RECOVERY NO LONGER INCLUDES LOAD FLUID. ONCE THAT POINT IS REACHED, PUMP SCALE INHIBITOR SQUEEZE PER DESIGN.**
- RELEASE PACKER AHD TOH. RUN ROD PUMPING EQUIPMENT PER DESIGN**
- RDMO.**

14. I hereby certify that the foregoing is true and correct.  
Signed D C Tanner Title COMPUTER SYSTEMS OPERATOR Date 3/25/97

(This space for Federal or State office use)

Approved by: \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any \_\_\_\_\_

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

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.

\*See instruction on Reverse Side

**FOR RECORD ONLY**

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 \*

1a. TYPE OF WELL  
 OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_  
 b. TYPE OF COMPLETION  
 NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESVR  Other \_\_\_\_\_

5. LEASE DESIGNATION AND SERIAL NO.  
**U-0140740**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
**GYPSUM HILLS UNIT**

8. FARM OR LEASE NAME  
**GYPSUM HILLS**

9. WELL NO.  
**19**

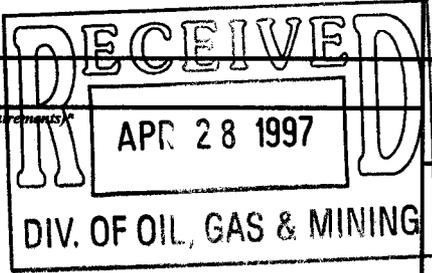
10. FIELD AND POOL, OR WILDCAT  
**GYPSUM HILLS  
GREEN RIVER**

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
**20-8S-21E, SLBM**

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

3. ADDRESS OF OPERATOR  
**11002 E. 17500 S., VERNAL, UT 84078 801-781-4300**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)  
 At surface **1938' FNL, 653' FWL, SWNW**  
 At top rod. interval reported below **SAME**  
 At total depth **SAME**



14. PERMIT NO. **43-047-32651** DATE ISSUED **3/15/95** 12. COUNTY OR PARISH **UINTAH** 13. STATE **UT**

15. DATE SPUDDED **9/3/95** 16. DATE T.D. REACHED **9/19/95** 17. DATE COMPL. (Ready to prod.) **4/2/97 (RECOMPLETION)** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* **4688' GL, 4704' KB** 19. ELEV. CASINGHEAD **4688'**

20. TOTAL DEPTH, MD & TVD **7335'** 21. PLUG BACK T.D., MD & TVD **5455'** 22. IF MULTIPLE COMPL., HOW MANY\* \_\_\_\_\_ 23. INTERVALS DRILLED BY \_\_\_\_\_ ROTARY TOOLS **X** CABLE TOOLS \_\_\_\_\_

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\*  
**5292-98' G1 LIME, GREEN RIVER FM.**

25. WAS DIRECTIONAL SURVEY MADE **NO**

26. TYPE ELECTRIC AND OTHER LOGS RUN  
**SEE ORIGINAL COMPLETION REPORT DATED 11/29/95**

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	572'	12-1/4"	250 SX.	NA
5-1/2"	17	7335	7-7/8"	740 SX.	NA

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	5378'	NA

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)  
**5292-98', 4 JSFP - G1 LIME, GREEN RIVER FM., THIS REPORT REFER TO ORIGINAL COMPLETION REPORT DATED 11/29/95 FOR ORIGINAL PERFORATIONS**

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5292-98'	18117 GAL. 28% HCL

33.\* PRODUCTION

DATE FIRST PRODUCTION **4/20/97** PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) **2-1/2" X 1-3/4" X 20' X 21' RHAC** WELL STATUS (Producing or shut-in) **PRODUCING**

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
4/21/97	24	NA	----->	97	10	14	103 SCF/BO

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF	WATER--BBL.	OIL GRAVITY-API (CORR.)
NA	NA	----->	97	10	14	31

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) **FUEL** TEST WITNESSED BY **ROY DIXON**

35. LIST OF ATTACHMENTS  
**NONE**

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

SIGNED *William J. Hanson* TITLE **SR. PETROLEUM ENGINEER** DATE **4/24/97**

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):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			NOTE - NO CHANGES FROM ORIGINAL COMPLETION REPORT DATED 11/29/95			

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

**SUBMIT IN TRIPLICATE**

1. Type of Well  
Oil Gas  
 Well  Well  Other

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1938' FNL & 653' FWL (SW NW) SECTION 20, T8S, R21E, SLBM**

5. Lease Designation and Serial No.  
**U-0140740**

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

7. If Unit or CA, Agreement Designation  
**GYPSUM HILLS UNIT**

8. Well Name and No.  
**GYPSUM HILLS UNIT 19**

9. API Well No.  
**43-047-32651**

10. Field and Pool, or Exploratory Area  
**Gypsum Hills Unit - Green River**

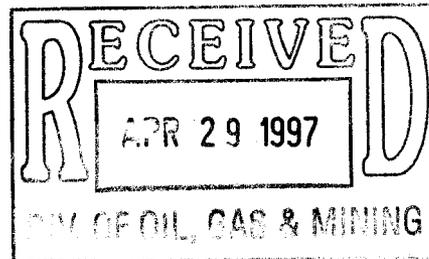
11. County or Parish, State  
**UINTAH, UTAH**

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

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

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

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)  
**THIS WELL COMMENCED PRODUCTION FROM THE GREEN RIVER FORMATION 4/20/97.**



14. I hereby certify that the foregoing is true and correct.  
Signed Wes C. James Title COMPUTER SYSTEMS OPERATOR Date 4/28/97

(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.

\*See instruction on Reverse Side

**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 \***

1a. TYPE OF WELL      OIL WELL       GAS WELL       DRY       Other \_\_\_\_\_

b. TYPE OF COMPLETION

NEW WELL       WORK OVER       DEEP-EN       PLUG BACK       DIFF. RESVR       Other \_\_\_\_\_

2. NAME OF OPERATOR  
**CHEVRON U.S.A. PRODUCTION COMPANY**

3. ADDRESS OF OPERATOR  
**Steve McPherson in Red Wash (801) 781-4310**  
**11002 E. 17500 S. VERNAL, UT 84078-8526**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
**At surface 1938 FNL 653 FWL (SW NW) SECTION 20, T8S, R21E, SLBM**  
**At top rod. interval reported below**  
**At total depth**

10. FIELD AND POOL, OR WILDCAT  
**GYPSUM HILLS UNIT GREEN RIVER**

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
**SE SW SEC. 20, T8S, R21E, SLBM**

14. PERMIT NO. **43-047-32651**      DATE ISSUED **3/27/95**      COUNTY OR PARISH **UINTAH**      STATE **UTAH**

15. DATE SPUNDED **8/20/95**      16. DATE T.D. REACHED \_\_\_\_\_      17. DATE COMPL. (Ready to prod.) **11/28/95 Recompleted 4/2/97**      18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* **4704 KB**      19. ELEV. CASINGHEAD **4688**

20. TOTAL DEPTH, MD & TVD **7335**      21. PLUG BACK T.D., MD & TVD **7307**      22. IF MULTIPLE COMPL., HOW MANY\* **N/A**      23. INTERVALS DRILLED BY \_\_\_\_\_      ROTARY TOOLS **N/A**      CABLE TOOLS \_\_\_\_\_

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\*  
**5292-5298      Green River**

25. WAS DIRECTIONAL SURVEY MADE  
**NO**

26. TYPE ELECTRIC AND OTHER LOGS RUN  
**NONE THIS WORKOVER**

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#	572'	12 1/4	LEAD: 250 SXS HIFILL STD H	N/A
5 1/2	17#	7335'	7 7/8	TAIL: 740 SXS 'H'	N/A

29. LINER RECORD      30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
N/A					2 7/8	5334	N/A

31. PERFORATION RECORD (Interval, size and number)  
**4 SPF 5292-5298**

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5214-5244	15,000 GALLONS 28% HCL

33.\* PRODUCTION

DATE FIRST PRODUCTION **4/20/97**      PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) **ROD PUMP 2 1/2 X 1 3/4 X 21 RHAC**      WELL STATUS (Producing or shut-in) **PRODUCING**

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
4/2/97	24	N/A	----->	98	49	27	

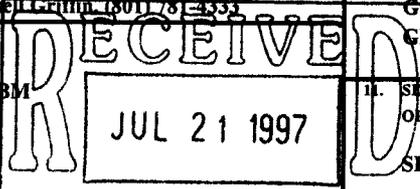
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF	WATER--BBL	OIL GRAVITY-API (CORR.)
N/A	N/A	----->	SAME	SAME	SAME	29

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) **FUEL**      TEST WITNESSED BY \_\_\_\_\_

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 RA Griffin      TITLE Geo Tech      DATE 10 July 1997



OPERATOR CHEVRON USA INC

OPERATOR ACCT. NO. N0210

ADDRESS \_\_\_\_\_

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
C	11864	5355	439047-32651	GYPSUM HILLS 19	SWNW	20	8S	21E	UINTAH	8-20-95	
WELL 1 COMMENTS: *RECOMPL FR WSTC PZ TO GRRV WHICH IS UNITIZED UNDER "GYPSUM HILLS (GRRV) UNIT. <i>Entity added 4-30-97. Jfc</i>											
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)

*Jfc*  
L. CORDOVA (DOGM)

Signature

ADMIN. ANALYST

4-30-97

Title

Date

Phone No. ( )

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.  
**U-0140740**

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

7. If Unit or CA. Agreement Designation  
**GYPSUM HILLS UNIT**

8. Well Name and No.  
**GYPSUM HILLS UNIT 19**

9. API Well No.  
**43-047-32651**

10. Field and Pool, or Exploratory Area  
**Gypsum Hills Unit - Green River**

11. County or Parish, State  
**UINTAH, UTAH**

**SUBMIT IN TRIPLICATE**

1. Type of Well  
Oil Gas  
 Well  Well  Other

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1938' FNL & 653' FWL (SW NW) SECTION 20, T8S, R21E, SLBM**

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

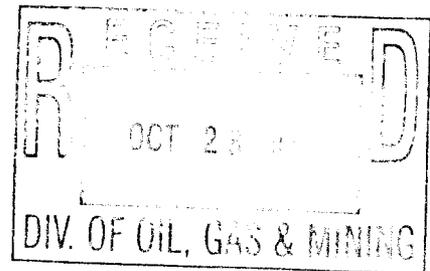
TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input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

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

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

**THE FOLLOWING WELL WORK WAS PERFORMED FROM 9/27/99 TO 9/30/99:**

1. MOVE IN C/O
2. ACIDIZE G-1 LIME WITH 2500 GALS HCl 15% (5292'-98')
3. SWAB BACK LOAD
4. EQUIP TO PUMP



14. I hereby certify that the foregoing is true and correct.  
Signed D. C. BEAMAN *D.C. Beaman* Title COMPUTER SYSTEMS OPERATOR Date 10/26/1999

(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

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

**SUBMIT IN TRIPLICATE**

1. Type of Well  
Oil Gas  
 Well  Well  Other **MULTIPLE WELLS LIST ATTACHED**

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

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

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

5. Lease Designation and Serial No.

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

7. If Unit or CA, Agreement Designation  
**GYPSUM HILLS UNIT  
UTU 67951A**

8. Well Name and No.

9. API Well No.

10. Field and Pool, or Exploratory Area  
**Gypsum Hills Unit**

11. County or Parish, State  
**UINTAH, UTAH**

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

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

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

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

As of January 1, 2000 Chevron U.S.A. Inc. resigns as Operator of the Gypsum Hills Unit.  
The Unit number is UTU 76951A effective April 1, 1991.

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

RECEIVED

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 17<sup>th</sup> Street, Suite 1000  
Denver, Colorado 80202

Re: Gypsum Hills (Green River) 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 Gypsum Hills (Green River) 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 Gypsum Hills (Green River) Unit Agreement.

Your statewide (Utah) oil and gas bond No. 0969 will be used to cover all operations within the Gypsum Hills (Green River) 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 - Gypsum Hills (Green River) Unit (w/enclosure)  
MMS - Data Management Division  
Agr. Sec. Chron  
Fluid Chron

UT931:TAThompson:tt:2/4/00

Well	Lease	API Number	Status	Type
COSTAS FEDERAL 1-20-4B	U-0140740	43-047-31006	A	INJ
COSTAS FEDERAL 2-20-3B	U-0140740	43-047-31066	A	INJ
COSTAS FEDERAL 3-21-1D	U-0804	43-047-31604	A	INJ
GYP SUM HILLS UNIT 10	U-025960	43-047-32306	A	INJ
GYP SUM HILLS UNIT 15	U-0140740	43-047-32648	A	INJ
GYP SUM HILLS UNIT 17	U-0140740	43-047-32649	A	INJ
GYP SUM HILLS UNIT 3	U-0140740	43-047-20002	A	INJ
GYP SUM HILLS UNIT 6	U-0140740	43-047-30099	A	INJ
GYP SUM HILLS UNIT 8-1 (SRU)	U-0140740	43-047-31932	A	INJ
GYP SUM HILLS UNIT 12	U-0140740	43-047-32458	A	INJ
COSTAS FEDERAL 4-21-1C	U-0804	43-047-31826	A	OIL
COSTAS FEDERAL 5-21-2C	U-0804	43-047-31827	A	OIL
GYP SUM HILLS 16	U-0140740	43-047-32675	A	OIL
GYP SUM HILLS UNIT 18	U-014740	43-047-32650	A	OIL
GYP SUM HILLS UNIT 4	U-0140740	43-047-30028	A	OIL
GYP SUM HILLS UNIT 9	U-0140740	43-047-32304	A	OIL
GYP SUM HILLS UNIT 11	U-0140740	43-047-32459	A	OIL
GYP SUM HILLS UNIT 13	U-0140740	43-047-32460	A	OIL
GYP SUM HILLS UNIT 14	U-0140740	43-047-32647	A	OIL
GYP SUM HILLS UNIT 19	U-0140740	43-047-32651	A	OIL
GYP SUM HILLS UNIT 20	U-0140740	43-047-32652	A	OIL
WHITON-FEDERAL 1-19-3C	U-0140740	43-047-31065	A	OIL
STAGECOACH 23-21	U-025960	43-047-31541	A	OIL
GYP SUM HILLS UNIT 21	U-0933	43-047-32692	A	GAS
GYP SUM HILLS 22 WG	U-0804	43-047-32818	A	GAS

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

<del>1. [REDACTED]</del>	4-KAS ✓
2. CDW ✓	5- <del>87</del> ✓
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):  
 CHEVRON USA INC  
 Address: 11002 E. 17500 S.  
 VERNAL, UT 84078-8526  
 Phone: 1-(435)-781-4300  
 Account No. N0210

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

**CA No.** **Unit:** GYPSUM HILLS

**WELL(S)**

NAME	API	ENTITY	SECTION	TOWNSHIP	RANGE	LEASE
GYPSUM HILLS UNIT 4	43-047-30028	5355	19	08S	21E	FEDERAL
WHITON FEDERAL 1-19-3C	43-047-31065	5355	19	08S	21E	FEDERAL
GYPSUM HILLS 16	43-047-32675	5355	20	08S	21E	FEDERAL
GYPSUM HILLS UNIT 18	43-047-32650	5355	20	08S	21E	FEDERAL
GYPSUM HILLS UNIT 9	43-047-32304	5355	20	08S	21E	FEDERAL
GYPSUM HILLS UNIT 11	43-047-32459	5355	20	08S	21E	FEDERAL
GYPSUM HILLS UNIT 14	43-047-32647	5355	20	08S	21E	FEDERAL
GYPSUM HILLS UNIT 19	<del>43-047-32651</del>	5355	<del>20</del>	<del>08S</del>	<del>21E</del>	FEDERAL
GYPSUM HILLS UNIT 20	43-047-32652	5355	20	08S	21E	FEDERAL
COSTAS FEDERAL 4-21-1C	43-047-31826	5355	21	08S	21E	FEDERAL
COSTAS FEDERAL 5-21-2C	43-047-31827	5355	21	08S	21E	FEDERAL
STAGECOACH 23-21	43-047-31541	5355	21	08S	21E	FEDERAL
GYPSUM HILLS UNIT 21	43-047-32692	5355	21	08S	21E	FEDERAL
GYPSUM HILLS UNIT 22 WG	43-047-32818	5355	22	08S	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: 02/04/2000

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: 08/16/2000

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 08/16/2000

2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 08/16/2000

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.: \_\_\_\_\_

**FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:**

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

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

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

**FILMING:**

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

**FILING:**

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

**COMMENTS:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

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

IN REPLY REFER TO  
UT-922

June 9, 2003

QEP Uinta Basin, Inc.  
1050 17<sup>th</sup> Street, Suite 500  
Denver, Colorado 80265

Re: Gypsum Hills (Green River) Unit  
Uintah County, Utah

Gentlemen:

On May 30, 2003, we received an indenture dated February 1, 2003, whereby Shenandoah Energy, Inc. changed its name and QEP Uinta Basin, Inc. was designated as Successor Unit Operator for the Gypsum Hills (Green River) 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 Gypsum Hills (Green River) Unit Agreement.

Your nationwide (Eastern States) oil and gas bond No. B000024 will be used to cover all operations within the Gypsum Hills (Green River) 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 – Gypsum Hills (Green River) Unit (w/enclosure)  
Agr. Sec. Chron  
Fluid Chron

UT922:TAThompson:tt:6/9/03

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

## SE (4235) to QEP (N2460) GYPSUM HILLS UNIT

well_name	Sec	T	R	api	Entity	Lease Type	type	stat	
COSTAS FED 4-21-1C	21	080S	210E	4304731826	5355	Federal	OW	P	
COSTAS FED 5-21-2C	21	080S	210E	4304731827	5355	Federal	OW	P	
GHFU 10G-19-8-21	19	080S	210E	4304733566	5355	Federal	OW	P	
GYPSUM HILLS 11	20	080S	210E	4304732459	5355	Federal	OW	P	
GYPSUM HILLS 13	21	080S	210E	4304732460	5355	Federal	OW	P	
GYPSUM HILLS 14	20	080S	210E	4304732647	5355	Federal	OW	P	
GYPSUM HILLS 16	20	080S	210E	4304732675	5355	Federal	OW	P	
GYPSUM HILLS 18	20	080S	210E	4304732650	5355	Federal	OW	P	
GYPSUM HILLS 19	20	080S	210E	4304732651	5355	Federal	OW	P	
GYPSUM HILLS 20	20	080S	210E	4304732652	5355	Federal	OW	P	
GYPSUM HILLS 4	19	080S	210E	4304730028	5355	Federal	OW	P	
GYPSUM HILLS 9	20	080S	210E	4304732304	5355	Federal	OW	P	
STAGECOACH FED 23-21	21	080S	210E	4304731541	5355	Federal	OW	P	
WHITON FED 1-19-3C	19	080S	210E	4304731065	5355	Federal	OW	P	
COSTAS FED 1-20-4B	20	080S	210E	4304731006	5355	Federal	WI	A	
COSTAS FED 2-20-3B	20	080S	210E	4304731066	5355	Federal	WI	A	
COSTAS FED 3-21-1D	21	080S	210E	4304731604	5355	Federal	WI	A	
GYPSUM HILLS 10	21	080S	210E	4304732306	5355	Federal	WI	A	
GYPSUM HILLS 12	19	080S	210E	4304732458	5355	Federal	WI	A	
GYPSUM HILLS 15	20	080S	210E	4304732648	5355	Federal	WI	A	
GYPSUM HILLS 17	20	080S	210E	4304732649	5355	Federal	WI	A	
GYPSUM HILLS 3	20	080S	210E	4304720002	5355	Federal	WI	A	
GYPSUM HILLS 6	20	080S	210E	4304730099	5251	Federal	WI	A	
SRU 8-I	20	080S	210E	4304731932	5355	Federal	WI	A	

**JUL 07 2003**

3104 (932.34)WF  
Nationwide Bond ESB000024

NOTICE

QEP Uinta Basin, Inc.  
1050 17<sup>th</sup> 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 Uinta Basin  
MFU

**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:		<b>2/1/2003</b>
<b>FROM: (Old Operator):</b>		<b>TO: ( New Operator):</b>
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
<b>CA No.</b>	<b>Unit:</b>	<b>GYPSUM HILLS (GREEN RIVER)</b>

**WELL(S)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	Confid
GHFU 10G-19-8-21	19	080S	210E	4304733566	5355	Federal	OW	P	
GYPSUM HILLS 4	19	080S	210E	4304730028	5355	Federal	OW	P	
WHITON FED 1-19-3C	19	080S	210E	4304731065	5355	Federal	OW	P	
GYPSUM HILLS 11	20	080S	210E	4304732459	5355	Federal	OW	P	
GYPSUM HILLS 14	20	080S	210E	4304732647	5355	Federal	OW	P	
GYPSUM HILLS 16	20	080S	210E	4304732675	5355	Federal	OW	P	
GYPSUM HILLS 18	20	080S	210E	4304732650	5355	Federal	OW	P	
<b>GYPSUM HILLS 19</b>	<b>20</b>	<b>080S</b>	<b>210E</b>	<b>4304732651</b>	5355	Federal	OW	P	
GYPSUM HILLS 20	20	080S	210E	4304732652	5355	Federal	OW	P	
GYPSUM HILLS 9	20	080S	210E	4304732304	5355	Federal	OW	P	
COSTAS FED 4-21-1C	21	080S	210E	4304731826	5355	Federal	OW	P	
COSTAS FED 5-21-2C	21	080S	210E	4304731827	5355	Federal	OW	P	
GYPSUM HILLS 13	21	080S	210E	4304732460	5355	Federal	OW	P	
STAGECOACH FED 23-21	21	080S	210E	4304731541	5355	Federal	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 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:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**SUNDRY NOTICES AND REPORTS ON WELLS**

5. LEASE DESIGNATION AND SERIAL NUMBER:  
U-0140740

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
Gypsum Hills

8. WELL NAME and NUMBER:  
GH 19

9. API NUMBER:  
4304732651

10. FIELD AND POOL, OR WILDCAT:  
GYPSUM HILLS

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

1. TYPE OF WELL OIL WELL  GAS WELL  OTHER \_\_\_\_\_

2. NAME OF OPERATOR:  
QEP UINTA BASIN, INC. (ATTN: STEPHANIE TOMKINSON)

3. ADDRESS OF OPERATOR: 11002 EAST 17500 SOUTH CITY VERNAL STATE UT ZIP 84078 PHONE NUMBER: (435) 781-4308

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: 1938 FNL 653 FWL 620616x 40.11070  
4440794Y -109.58470  
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 20 8S 21E S

COUNTY: UINTAH  
STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 2/1/2005	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input checked="" type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

QEP UINTA BASIN, INC. PROPOSES TO RE-ENTER THE EXISTING WELL BORE AND DRILL HORIZONTALLY IN THE GREEN RIVER FORMATION. THIS WILL BE THE FIRST OF POSSIBLY 4 HORIZONTAL WELLS (DEPENDING ON RESULTS) FROM THIS WELL BORE AND WILL BE REFERRED TO AS LATERAL #1 NW.

FOOTAGES FOR LATERAL #1 NW BOTTOM HOLE LOCATION: 1356 FNL 1520.01 FEL SENE SECTION 19 T8S R21E SLBM.

PROPOSED DEPTH FOR LATERAL #1 NW:  
BOTTOM HOLE LOCATION: 5330.04' TVD  
PAY ZONE: 5299' TVD  
TOTAL MEASURED DEPTH: 7466.1' TMD

619935x 40.112063  
4440934Y -109.592707

PLEASE SEE ATTACHED DRILLING PLAN.

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 12-16-04  
By: [Signature]

Federal Approval of this  
Action is Necessary

NAME (PLEASE PRINT) STEPHANIE TOMKINSON

TITLE REGULATORY AFFAIRS TECHNICIAN

SIGNATURE [Signature]

DATE 12/3/2004

(This space for State use only)

COPY SENT TO OPERATOR  
Date: 12-22-04  
Initial: [Signature]

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

**WEATHERFORD DRILLING SERVICES**



**SITE DETAILS**

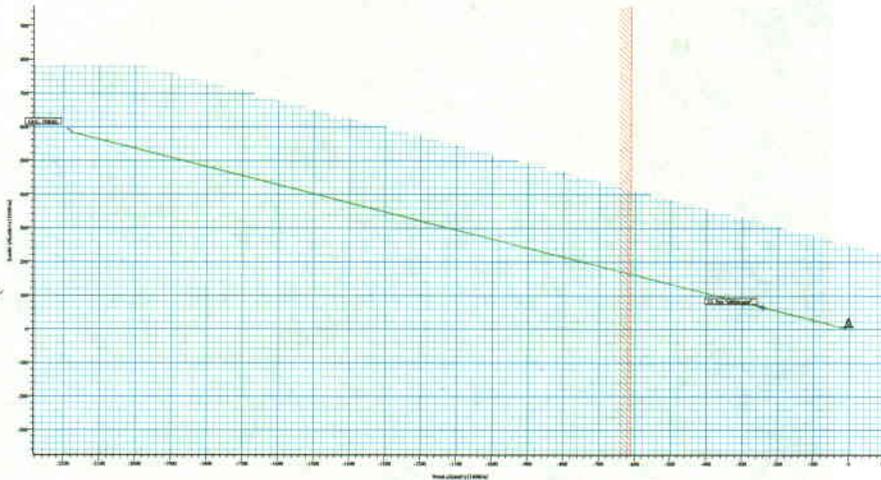
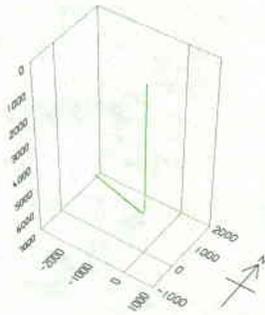
GHU 19RHZ  
 Sec 30 T8S R21E  
 193E FNL & 653' FWL  
 Site Centre Latitude: 40°06'38.520N  
 Longitude: 109°35'05.064W  
 Water Depth: 0.0  
 Positional Uncertainty: 0.0  
 Convergence: 1.26



North Arrow  
 Magnetic Declination  
 Magnetic Variation  
 Magnetic Declination  
 Magnetic Variation

**SECTION DETAILS**

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	DLag	TPace	VSec	Target
1	0.0	0.00	285.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	5107.1	0.00	285.00	5107.1	0.0	0.0	0.00	0.00	0.0	
3	5404.1	09.10	285.00	5298.0	48.7	-181.6	30.00	285.00	188.0	
4	5446.1	09.10	285.00	5299.0	64.7	-241.5	0.00	0.00	250.0	
5	7466.1	09.10	285.00	5330.4	582.3	-2173.1	0.00	0.00	2249.8	G1 Pay "sweet spot"



**TARGET DETAILS**

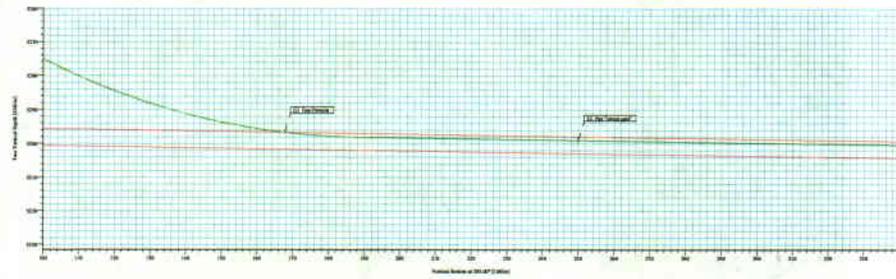
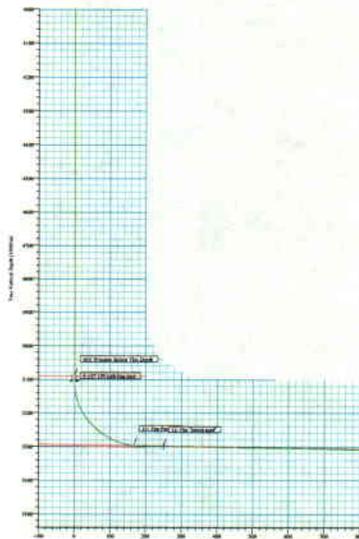
Name	TVD	+N-S	+E-W	Shape
G1 Pay "sweet spot"	5299.0	64.7	-241.5	Point

**FORMATION TOP DETAILS**

No.	TVDPath	MDPath	Formation
1	5098.0	5098.0	Mll Window Below This Depth
2	5296.6	5383.8	G1 Top Permyty

**CASING DETAILS**

No.	TVD	MD	Name	Size
1	5107.0	5107.0	5 1/2" 17# L80 Csg BxL 500	



Plot No. 1988 (200) 1988/5  
 Created By Steve Adams Date 1/17/2008  
 Checked By \_\_\_\_\_  
 Approved By \_\_\_\_\_

**WEATHERFORD DRILLING SERVICES**



**SITE DETAILS**

GHU 19RHZ  
Sec 20 T8S R21E  
1938' FNL & 653' FWL

Site Centre Latitude: 40°06'38.520N  
Longitude: 109°35'05.064W

Water Depth: 0.0

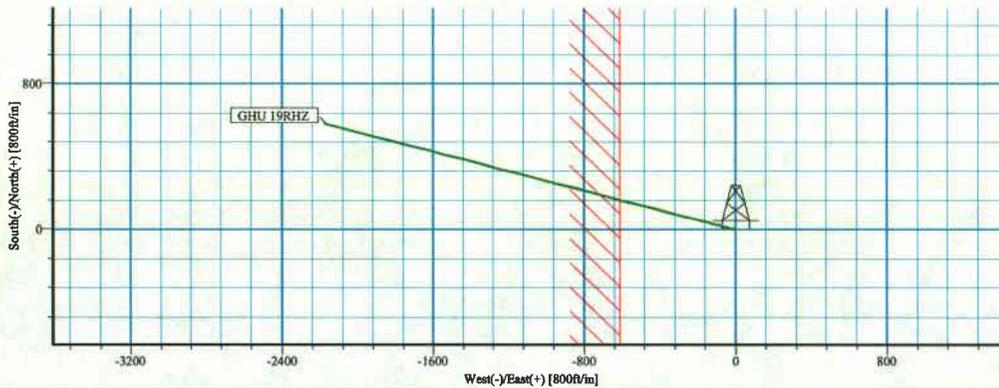
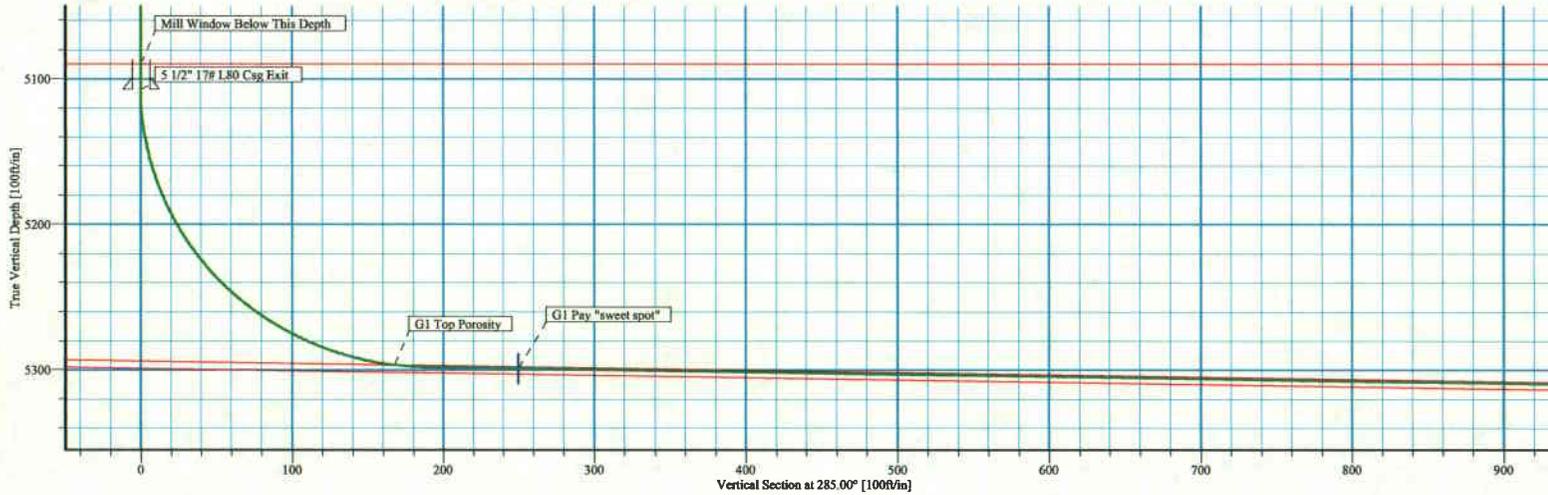
Positional Uncertainty: 0.0  
Convergence: 1.26

**SECTION DETAILS**

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	285.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	5107.1	0.00	285.00	5107.1	0.0	0.0	0.00	0.00	0.0	
3	5404.1	89.10	285.00	5298.0	48.7	-181.6	30.00	285.00	188.0	
4	5466.1	89.10	285.00	5299.0	64.7	-241.5	0.00	0.00	250.0	G1 Pay "sweet spot"
5	7466.1	89.10	285.00	5330.4	582.3	-2173.1	0.00	0.00	2249.8	

Azimuths to True North  
Magnetic North: 12.27°

Magnetic Field  
Strength: 53208nT  
Dip Angle: 66.17°  
Date: 11/15/2004  
Model: igrf2000



**TARGET DETAILS**

Name	TVD	+N/-S	+E/-W	Shape
G1 Pay "sweet spot"	5299.0	64.7	-241.5	Point

**FORMATION TOP DETAILS**

No.	TVDPath	MDPath	Formation
1	5090.0	5090.0	Mill Window Below This Depth
2	5296.6	5383.8	G1 Top Porosity

Plan: GHU 19RHZ (GHU 19RHZ/1)

Created By: Steve Schmitz

Date: 11/15/2004

Checked:

Date:

# Weatherford Planning Report

Company: Questar E & P	Date: 11/15/2004	Time: 09:28:43	Page: 1
Field: Gypsum Hills Unit NAD1983	Co-ordinate(NE) Reference: Site: GHU 19RHZ, True North		
Site: GHU 19RHZ	Vertical (TVD) Reference: SITE 0.0		
Well: GHU 19RHZ	Section (VS) Reference: Site (0.00N,0.00E,285.00Azi)		
Wellpath: 1	Plan: GHU 19RHZ		

Field: Gypsum Hills Unit NAD1983 Utah USA	Map System: US State Plane Coordinate System 1983	Map Zone: Utah, Northern Zone
Geo Datum: GRS 1980	Coordinate System: Site Centre	
Sys Datum: Mean Sea Level	Geomagnetic Model: igrf2000	

Site: GHU 19RHZ Sec 20 T8S R21E 1938' FNL & 653' FWL	Northing: 3205629.34 ft	Latitude: 40 6 38.520 N	
Site Position: From: Geographic	Easting: 2176177.08 ft	Longitude: 109 35 5.064 W	
Position Uncertainty: 0.0 ft		North Reference: True	
Ground Level: 0.0 ft		Grid Convergence: 1.26 deg	

Well: GHU 19RHZ	Slot Name:	
Well Position: +N/-S 0.0 ft	Northing: 3205629.34 ft	Latitude: 40 6 38.520 N
+E/-W 0.0 ft	Easting: 2176177.08 ft	Longitude: 109 35 5.064 W
Position Uncertainty: 0.0 ft		

Wellpath: 1	Drilled From: Surface		
Current Datum: SITE	Tie-on Depth: 0.0 ft		
Magnetic Data: 11/15/2004	Above System Datum: Mean Sea Level		
Field Strength: 53208 nT	Declination: 12.27 deg		
Vertical Section: Depth From (TVD)	Mag Dip Angle: 66.17 deg		
ft	+N/-S	+E/-W	Direction
	ft	ft	deg
0.0	0.0	0.0	285.00

Plan: GHU 19RHZ	Date Composed: 11/15/2004
Principal: Yes	Version: 1
	Tied-to: From Surface

**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
0.0	0.00	285.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
5107.1	0.00	285.00	5107.1	0.0	0.0	0.00	0.00	0.00	0.00	
5404.1	89.10	285.00	5298.0	48.7	-181.6	30.00	30.00	0.00	285.00	
5466.1	89.10	285.00	5299.0	64.7	-241.5	0.00	0.00	0.00	0.00	G1 Pay "sweet spot"
7466.1	89.10	285.00	5330.4	582.3	-2173.1	0.00	0.00	0.00	0.00	

**Section 1 : Start Hold**

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	TFO deg
0.0	0.00	285.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
100.0	0.00	285.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
200.0	0.00	285.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
300.0	0.00	285.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
400.0	0.00	285.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
500.0	0.00	285.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
600.0	0.00	285.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
700.0	0.00	285.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
800.0	0.00	285.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
900.0	0.00	285.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
1000.0	0.00	285.00	1000.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
1100.0	0.00	285.00	1100.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
1200.0	0.00	285.00	1200.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
1300.0	0.00	285.00	1300.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
1400.0	0.00	285.00	1400.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
1500.0	0.00	285.00	1500.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
1600.0	0.00	285.00	1600.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
1700.0	0.00	285.00	1700.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
1800.0	0.00	285.00	1800.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00

# Weatherford Planning Report

<b>Company:</b> Questar E & P	<b>Date:</b> 11/15/2004	<b>Time:</b> 09:28:43	<b>Page:</b> 2
<b>Field:</b> Gypsum Hills Unit NAD1983	<b>Co-ordinate(NE) Reference:</b> Site: GHU 19RHZ, True North		
<b>Site:</b> GHU 19RHZ	<b>Vertical (TVD) Reference:</b> SITE 0.0		
<b>Well:</b> GHU 19RHZ	<b>Section (VS) Reference:</b> Site (0.00N,0.00E,285.00Azi)		
<b>Wellpath:</b> 1	<b>Plan:</b> GHU 19RHZ		

**Section 1 : Start Hold**

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	TFO deg
1900.0	0.00	285.00	1900.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
2000.0	0.00	285.00	2000.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
2100.0	0.00	285.00	2100.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
2200.0	0.00	285.00	2200.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
2300.0	0.00	285.00	2300.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
2400.0	0.00	285.00	2400.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
2500.0	0.00	285.00	2500.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
2600.0	0.00	285.00	2600.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
2700.0	0.00	285.00	2700.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
2800.0	0.00	285.00	2800.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
2900.0	0.00	285.00	2900.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
3000.0	0.00	285.00	3000.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
3100.0	0.00	285.00	3100.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
3200.0	0.00	285.00	3200.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
3300.0	0.00	285.00	3300.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
3400.0	0.00	285.00	3400.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
3500.0	0.00	285.00	3500.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
3600.0	0.00	285.00	3600.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
3700.0	0.00	285.00	3700.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
3800.0	0.00	285.00	3800.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
3900.0	0.00	285.00	3900.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
4000.0	0.00	285.00	4000.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
4100.0	0.00	285.00	4100.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
4200.0	0.00	285.00	4200.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
4300.0	0.00	285.00	4300.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
4400.0	0.00	285.00	4400.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
4500.0	0.00	285.00	4500.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
4600.0	0.00	285.00	4600.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
4700.0	0.00	285.00	4700.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
4800.0	0.00	285.00	4800.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
4900.0	0.00	285.00	4900.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
5000.0	0.00	285.00	5000.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
5090.0	0.00	285.00	5090.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
5107.0	0.00	285.00	5107.0	0.0	0.0	0.0	0.00	0.00	0.00	285.00
5107.1	0.00	285.00	5107.1	0.0	0.0	0.0	0.00	0.00	0.00	285.00

**Section 2 : Start Build 30.00**

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	TFO deg
5110.0	0.88	285.00	5110.0	0.0	0.0	0.0	30.00	30.00	0.00	0.00
5120.0	3.88	285.00	5120.0	0.1	-0.4	0.4	30.00	30.00	0.00	0.00
5130.0	6.88	285.00	5129.9	0.4	-1.3	1.4	30.00	30.00	0.00	0.00
5140.0	9.88	285.00	5139.8	0.7	-2.7	2.8	30.00	30.00	0.00	0.00
5150.0	12.88	285.00	5149.6	1.2	-4.6	4.8	30.00	30.00	0.00	0.00
5160.0	15.88	285.00	5159.3	1.9	-7.0	7.3	30.00	30.00	0.00	0.00
5170.0	18.88	285.00	5168.9	2.7	-9.9	10.3	30.00	30.00	0.00	0.00
5180.0	21.88	285.00	5178.2	3.6	-13.3	13.8	30.00	30.00	0.00	0.00
5190.0	24.88	285.00	5187.4	4.6	-17.1	17.7	30.00	30.00	0.00	0.00
5200.0	27.88	285.00	5196.4	5.7	-21.4	22.2	30.00	30.00	0.00	0.00
5210.0	30.88	285.00	5205.1	7.0	-26.2	27.1	30.00	30.00	0.00	0.00
5220.0	33.88	285.00	5213.5	8.4	-31.3	32.4	30.00	30.00	0.00	0.00
5230.0	36.88	285.00	5221.7	9.9	-36.9	38.2	30.00	30.00	0.00	0.00
5240.0	39.88	285.00	5229.5	11.5	-42.9	44.4	30.00	30.00	0.00	0.00
5250.0	42.88	285.00	5237.0	13.2	-49.3	51.0	30.00	30.00	0.00	0.00
5260.0	45.88	285.00	5244.2	15.0	-56.1	58.0	30.00	30.00	0.00	0.00
5270.0	48.88	285.00	5250.9	16.9	-63.2	65.4	30.00	30.00	0.00	0.00
5280.0	51.88	285.00	5257.3	18.9	-70.6	73.1	30.00	30.00	0.00	0.00
5290.0	54.88	285.00	5263.3	21.0	-78.4	81.1	30.00	30.00	0.00	0.00
5300.0	57.88	285.00	5268.8	23.1	-86.4	89.4	30.00	30.00	0.00	0.00
5310.0	60.88	285.00	5273.9	25.4	-94.7	98.0	30.00	30.00	0.00	0.00
5320.0	63.88	285.00	5278.5	27.7	-103.3	106.9	30.00	30.00	0.00	0.00
5330.0	66.88	285.00	5282.7	30.0	-112.0	116.0	30.00	30.00	0.00	0.00
5340.0	69.88	285.00	5286.4	32.4	-121.0	125.3	30.00	30.00	0.00	0.00

# Weatherford Planning Report

<b>Company:</b> Questar E & P	<b>Date:</b> 11/15/2004	<b>Time:</b> 09:28:43	<b>Page:</b> 3
<b>Field:</b> Gypsum Hills Unit NAD1983	<b>Co-ordinate(NE) Reference:</b> Site: GHU 19RHZ, True North		
<b>Site:</b> GHU 19RHZ	<b>Vertical (TVD) Reference:</b> SITE 0.0		
<b>Well:</b> GHU 19RHZ	<b>Section (VS) Reference:</b> Site (0.00N,0.00E,285.00Azi)		
<b>Wellpath:</b> 1	<b>Plan:</b> GHU 19RHZ		

**Section 2 : Start Build 30.00**

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	TFO deg
5350.0	72.88	285.00	5289.6	34.9	-130.2	134.8	30.00	30.00	0.00	0.00
5360.0	75.88	285.00	5292.3	37.4	-139.5	144.4	30.00	30.00	0.00	0.00
5370.0	78.88	285.00	5294.5	39.9	-148.9	154.2	30.00	30.00	0.00	0.00
5380.0	81.88	285.00	5296.1	42.4	-158.4	164.0	30.00	30.00	0.00	0.00
5383.8	83.02	285.00	5296.6	43.4	-162.1	167.8	30.00	30.00	0.00	0.00
5390.0	84.88	285.00	5297.3	45.0	-168.0	173.9	30.00	30.00	0.00	0.00
5400.0	87.88	285.00	5297.9	47.6	-177.7	183.9	30.00	30.00	0.00	0.00
5404.1	89.10	285.00	5298.0	48.7	-181.6	188.0	30.00	30.00	0.00	0.00

**Section 3 : Start Hold**

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	TFO deg
5466.1	89.10	285.00	5299.0	64.7	-241.5	250.0	0.00	0.00	0.00	0.00

**Section 4 : Start Hold**

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	TFO deg
5500.0	89.10	285.00	5299.5	73.5	-274.2	283.9	0.00	0.00	0.00	0.00
5600.0	89.10	285.00	5301.1	99.4	-370.8	383.9	0.00	0.00	0.00	0.00
5700.0	89.10	285.00	5302.7	125.2	-467.4	483.9	0.00	0.00	0.00	0.00
5800.0	89.10	285.00	5304.2	151.1	-564.0	583.9	0.00	0.00	0.00	0.00
5900.0	89.10	285.00	5305.8	177.0	-660.6	683.9	0.00	0.00	0.00	0.00
6000.0	89.10	285.00	5307.4	202.9	-757.1	783.8	0.00	0.00	0.00	0.00
6100.0	89.10	285.00	5309.0	228.8	-853.7	883.8	0.00	0.00	0.00	0.00
6200.0	89.10	285.00	5310.5	254.6	-950.3	983.8	0.00	0.00	0.00	0.00
6300.0	89.10	285.00	5312.1	280.5	-1046.9	1083.8	0.00	0.00	0.00	0.00
6400.0	89.10	285.00	5313.7	306.4	-1143.5	1183.8	0.00	0.00	0.00	0.00
6500.0	89.10	285.00	5315.2	332.3	-1240.0	1283.8	0.00	0.00	0.00	0.00
6600.0	89.10	285.00	5316.8	358.1	-1336.6	1383.8	0.00	0.00	0.00	0.00
6700.0	89.10	285.00	5318.4	384.0	-1433.2	1483.8	0.00	0.00	0.00	0.00
6800.0	89.10	285.00	5320.0	409.9	-1529.8	1583.8	0.00	0.00	0.00	0.00
6900.0	89.10	285.00	5321.5	435.8	-1626.4	1683.7	0.00	0.00	0.00	0.00
7000.0	89.10	285.00	5323.1	461.7	-1722.9	1783.7	0.00	0.00	0.00	0.00
7100.0	89.10	285.00	5324.7	487.5	-1819.5	1883.7	0.00	0.00	0.00	0.00
7200.0	89.10	285.00	5326.2	513.4	-1916.1	1983.7	0.00	0.00	0.00	0.00
7300.0	89.10	285.00	5327.8	539.3	-2012.7	2083.7	0.00	0.00	0.00	0.00
7400.0	89.10	285.00	5329.4	565.2	-2109.3	2183.7	0.00	0.00	0.00	0.00
7466.1	89.10	285.00	5330.4	582.3	-2173.1	2249.8	0.00	0.00	0.00	0.00

**Targets**

Name	Description		TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	← Latitude →			← Longitude →				
	Dip.	Dir.						Deg	Min	Sec	Deg	Min	Sec		
G1 Pay "sweet spot"			5299.0	64.7	-241.5	3205688.70	2175934.23	40	6	39.159	N	109	35	8.172	W

**Casing Points**

MD ft	TVD ft	Diameter in	Hole Size in	Name
5107.0	5107.0	5.500	5.500	5 1/2" 17# L80 Csg Exit

**Formations**

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
5090.0	5090.0	Mill Window Below This Depth		0.00	0.00
5383.8	5296.6	G1 Top Porosity		0.90	285.00
	0.0	G1 Base Porosity		0.90	285.00

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 12/06/2004

API NO. ASSIGNED: 43-047-32651

WELL NAME: GYPSUM HILLS 19  
 OPERATOR: QEP UINTA BASIN, INC. ( N2460 )  
 CONTACT: STEPHANIE TOMKINSON

PHONE NUMBER: 435-781-4308

PROPOSED LOCATION:

SWNW 20 080S 210E  
 SURFACE: 1938 FNL 0653 FWL  
 BOTTOM: 1356 FNL 1520 FEL  
 UINTAH  
 GYPSUM HILLS ( 610 )

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

LEASE TYPE: 1 - Federal  
 LEASE NUMBER: U-0140740  
 SURFACE OWNER: 2 - Indian  
 PROPOSED FORMATION: GRRV  
 COALBED METHANE WELL? NO

LATITUDE: 40.11070  
 LONGITUDE: -109.5847

RECEIVED AND/OR REVIEWED:

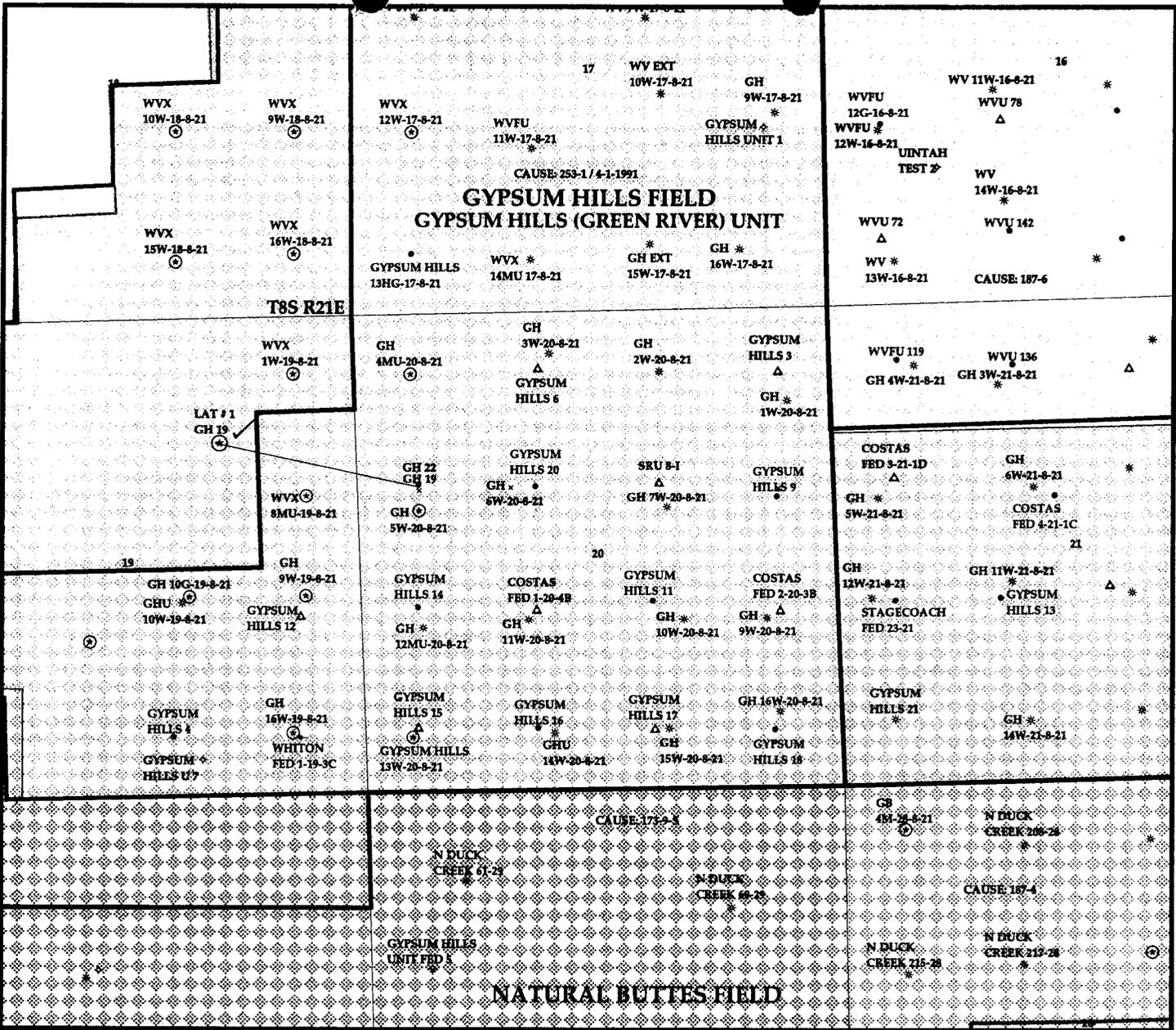
- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. ESB000024 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. OK )
- RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )
- Fee Surf Agreement (Y/N)

LOCATION AND SITING:

- R649-2-3.
- Unit GYPSUM HILLS (GREEN RIVER)
- R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit  
Board Cause No: 253-01  
Eff Date: 4-1-1991  
Siting: Suspend Green C Siting
- R649-3-11. Directional Drill

COMMENTS: \_\_\_\_\_

STIPULATIONS: 1- federal approval



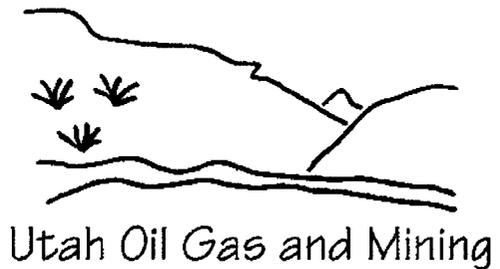
OPERATOR: QEP UINTAH BASIN INC (N2460)

SEC. 20 T.8S R.21E

FIELD: GYPSUM HILLS (610)

COUNTY: UINTAH\*\*

CAUSE: 253-01 / 4-1-1991



Wells	Units.shp	Fields.shp
⚡ GAS INJECTION	□ EXPLORATORY	□ ABANDONED
* GAS STORAGE	□ GAS STORAGE	□ ACTIVE
× LOCATION ABANDONED	□ NF PP OIL	□ COMBINED
⊕ NEW LOCATION	□ NF SECONDARY	□ INACTIVE
⬢ PLUGGED & ABANDONED	□ PENDING	□ PROPOSED
* PRODUCING GAS	□ PI OIL	□ STORAGE
● PRODUCING OIL	□ PP GAS	□ TERMINATED
* SHUT-IN GAS	□ PP GEOTHERML	
+ SHUT-IN OIL	□ PP OIL	
× TEMP. ABANDONED	□ SECONDARY	
○ TEST WELL	□ TERMINATED	
△ WATER INJECTION		
◆ WATER SUPPLY		
⚡ WATER DISPOSAL		



PREPARED BY: DIANA WHITNEY  
DATE: 16-DECEMBER-2004



State of Utah

Department of  
Natural Resources

ROBERT L. MORGAN  
*Executive Director*

Division of  
Oil, Gas & Mining

MARY ANN WRIGHT  
*Acting Division Director*

OLENE S. WALKER  
*Governor*

GAYLE F. McKEACHNIE  
*Lieutenant Governor*

December 16, 2004

QEP Uinta Basin, Inc.  
Attn: Stephanie Tomkinson  
11002 E 17500 S  
Vernal, UT 84078

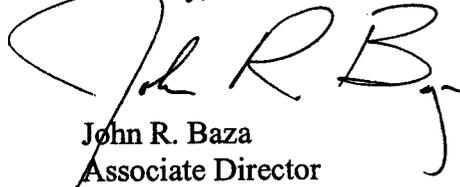
Re: Gypsum Hills 19 Well, Surface Location 1938' FNL, 653' FWL, SW NW,  
Sec. 20, T. 8 South, R. 21 East, Bottom Location 1356' FNL, 1520' FEL, SE NE,  
Sec. 19, T. 8 South, R. 21 East, Uintah County, Utah

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 43-047-32651.

Sincerely,



John R. Baza  
Associate Director

pab  
Enclosures

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

**Operator:** QEP Uinta Basin, Inc.

**Well Name & Number** Gypsum Hills 19

**API Number:** 43-047-32651

**Lease:** U-0140740

**Surface Location:** SW NW      **Sec.** 20      **T.** 8 South      **R.** 21 East

**Bottom Location:** SE NE      **Sec.** 19      **T.** 8 South      **R.** 21 East

### Conditions of Approval

1. General

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

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

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

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

- Contact Dan Jarvis at (801) 538-5338

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.

## WEEKLY OPERATIONS REPORT – February 3, 2005

### UINTA BASIN

T O B S R 2 I E S-20  
43-047-32651

#### “Drilling Activity – Operated” 2-3-05

- Patterson #51 – SG 11MU-14-8-22 drilling at 8,920 feet. PTD 9,100'. Next well EIHX 9MU-25-8-22. PTD 8,250'. **GYPSUM HILLS 19**
- Patterson #52 – ~~GHU 19 RHZ~~ – Rigging up today. PTD 7,440', 2000' horizontal lateral. Next well WV 3G-10-8-21, if unit is approved and sundries, otherwise RW 12-36B dual lateral horizontal.
- True #26 – Rig farmed out to Mak J Energy for one well. Drilling at 6,200'. Rig should be returning on February 11th. When rig returns will go to GB 3MU-3-8-22, completions group has not started work on the RWS 8ML-14-9-24. The GB 3MU-3-8-22 is a 16 day well. Timing will be tight to get back to the BSW 11ML-12-9-24 before the lease expires, if the completion on RWS 8ML-14-9-24 shows positive results.

#### “Completions & New Wells to Sales” 2-4-05:

**FR 9P-36-14-19:** (100% WI) Flow well (Dakota, Cedar Mtn., Morrison & Entrada) up backside to clean up CO2 content; currently @ 1100 psi FCP on a 32/64” choke (6.9 Mmcfpd - not derated); gas samples will be pulled today @ 4 p.m. and Monday morning to make decision on drilling solid comp. plug over Wingates.

**RWU 32-27AG:** (100% WI) Lx3 swab tested @ 1.5 BFPH w/ 100% oil (only keeper so far); perfig last zone (Frt7) today.

**SC 3M-16-10-23:** (100% WI) 4 fracs pumped Jan. 28<sup>th</sup>; well to sales @ 8 p.m last night Feb. 3<sup>rd</sup>; currently flowing 1.32 Mmcfpd @ 1807 psi FTP & 2322 psi CP w/ 8 BOPD & 175 BWPD on a 1 1/64”; will open up to 2 Mmcfpd rate today.

**SC 13M-16-10-23:** (100% WI) Fracs set for Weds./Thurs. next week.

**WRU EIH 3MU-25-8-22:** (43.75% WI) Fracs set for Mon./Tues. next week (were postponed due to extremely muddy location – unable to get equipment on or off).

**SCT 8G-12-7-22:** (25% WI) Moving up to 3<sup>rd</sup> interval (Lv5/Lv5b); perfig today; both lower formations tested wet.

WEEKLY OPERATIONS REPORT – February 10, 2005

QEP

TOSS R21E S-20  
43-049-32651

UINTA BASIN

“Drilling Activity – Operated” 2-10-05

- Patterson #51 – EHX 9MU-25-8-22 drilling at 817 feet. Spud well at 1:00 AM this morning. PTD 8,700'. Next well GB 3MU3-8-22. PTD 9,900'
- Patterson #52 – GHU 19 RHZ – Drilling and building angle at 5,358', 73.7° inclination, 290.7 azimuth. Changed out 3.25 degree bend motor to 1.84 degree bend motor in order to rotate more and land in zone smooth. PTD 7,440', 2000' horizontal lateral. Next well WV 3G-10-8-21, sundries approved, waiting on unit approval, otherwise will drill RW 12-36B dual lateral horizontal. Prep work on the WV 3G-10 is complete and ready for whipstock.
- True #26 – Rig is returning from Mak J farmout. Rigging up on GB 4MU-36-8-21 and should spud tomorrow. PTD 8,900'. Completions group will be moving rig today or tomorrow on the RWS 8ML-14-9-24. The GB 4MU-36-8-21 is a 12 day well. Timing may be tight to get back to the BSW 11ML-12-9-24 before the lease expires, if the completion on RWS 8ML-14-9-24 shows positive results.

“Completions & New Wells to Sales” 2-11-05:

**FR 9P-36-14-19:** (100% WI) Flow well (Dakota, Cedar Mtn., Morrison & Entrada) up backside to clean up CO2 content; currently @ 800 psi FCP on a 36/64" choke (6.5 Mmcfpd - not derated); gas sample will be pulled again Sat. a.m.; currently configuring manifold to open up on an additional choke (or larger if avail. out there). Last gas analysis was 0.6155% nitrogen & 3.0097% CO2; Comet will take up to 3.3%. All facilities are ready for sales.

**RWU 32-27AG:** (100% WI) Lx3 swab tested @ 1.5 BFPH w/ 100% oil; Frt7 zone had trace oil and 1 BFPH post-acid; RIH w/ tbg., rods, & pump.

**SC 3M-16-10-23:** (100% WI) 4 fracs pumped Jan. 28<sup>th</sup>; well to sales @ 8 p.m Feb. 3<sup>rd</sup>; currently flowing 1.94 Mmcfpd @ 1371 psi FTP & 1344 psi CP w/ 21 BOPD & 176 BWPD on a 15/64" choke.

**SC 13M-16-10-23:** (100% WI) Frac'd 3 MV, 1 MV breakdown, 1 Wasatch frac on Mon./Tues this week; well flowing very strong up annulus while drilling plugs (1200 psi on a 32/64"); float leaking; need to round trip new bit assembly today; 2 plugs drilled; 3 more to drill; this looks like a really good well.

**WRU EHX 3MU-25-8-22:** (43.75% WI) Fracs cancelled due to extremely muddy location – we were able to get rig off location and it went to the RWS 8ML14 completion.

**SCT 8G-12-7-22:** (25% WI) Gt7 & Ev5 zones frac'd. Weds.; well died overnight; TIH Thurs; drilling 1 frac plug today and will swab well in up tbg.

WEEKLY OPERATIONS REPORT – February 17, 2005

QEP

UINTA BASIN

TOBS RAIE S-20  
43-047-32651

“Drilling Activity – Operated” 2-17-05

- Patterson #51 – EHX 9MU-25-8-22 rigging down, ran casing, cemented, rig release 16:00 2/16/05. Next well GB 3MU-3-8-22. PTD 9,900’
- Patterson #52 – GHU 19 RHZ – Drilling horizontally at 6,803’. PTD 8,040’, 2600’ horizontal lateral, added 600’ to lateral. Next well WV 3G-10-8-21, unit approved 2/16/05, ready for rig.
- True #26 – GB 4MU-36-8-21 drilling at 7,392’, having some gas flow problems from shallow Uinta zone. PTD 8,900’. Received an additional 60 days to spud the BSW 11ML-12-9-24 from the BLM. Completions group fracing the RWS 8ML-14-9-24 tomorrow. Next well will now be the GB 7MU-36-8-21. PTD 8,850’. Then the COY 12ML-24-8-24 and then the BSW 11ML-12-9-24 depending on the RWS 8ML-14 results.

“Completions & New Wells to Sales” 2-17-05:

**FR 9P-36-14-19:** (100% WI) Flow well (Dakota, Cedar Mtn., Morrison & Entrada) up backside to sales; DOFP was Sat. Feb. 12<sup>th</sup>; flow tested @ 3.8 Mmcfpd @ 1427 psi FCP on 2 - 11/64” (2 sep.) against 870 psi LP; currently curtailed through existing compressor @ 963 Mcfpd @ 2127 psi FCP on a 11/64” choke w/ 2 BO in 5 days & no water; on Mar. 1<sup>st</sup> Comet will be shutting down (and moving) downstream compressor, which will allow us to flow unrestricted against the higher LP (or flow through compressor @ 250 psi suction – 7.5 Mmcfpd capacity).

**RWU 32-27AG:** (100% WI) Lx3 swab tested @ 1.5 BFPH w/ 100% oil; Frt7 zone had trace oil and 1 BFPH post-acid; RIH w/ tbg., rods, & pump; will move pumping unit pending mud.

**SC 3M-16-10-23:** (100% WI) 4 fracs pumped Jan. 28<sup>th</sup>; well to sales @ 8 p.m Feb. 3<sup>rd</sup>; currently flowing 1.91 Mmcfpd @ 1008 psi FTP & 1311 psi CP w/ 10 BOPD & 106 BWPD on a 17/64” choke.

**SC 13M-16-10-23:** (100% WI) Frac’d 3 MV, 1 MV breakdown, 1 Wasatch frac on Mon./Tues last week; well to sales Sat. Feb. 12<sup>th</sup>; currently flowing 1.6 Mmcfpd @ 1308 psi FTP & 1770 psi CP w/ 14 BOPD & 334 BWPD on a 18/64” choke.

**SC 11M-16-10-23:** (100% WI) Frac’d. 3 MV and 1 Wasatch Tues., Feb. 15th; well was flowing @ 1500 psi FCP the next morning on a 18/64” choke; 40 BWPH; 450 bbls. rec.; drilling plugs currently; looks like a strong well.

**SCT 8G-12-7-22:** (25% WI) Gt7 & Ev5 zones frac’d. last Weds.; zones swabbed wet; moving uphole to Deadman zones; perfing today.

**RWS 8ML-14-89-24:** (25% WI) 3 MV fracs set for Friday.

WEEKLY OPERATIONS REPORT – February 24, 2005

QEP

UINTA BASIN

T O B S R 2 I E S-20  
43-042-32651

“Drilling Activity – Operated” 2-24-05

- Patterson #51 – GB 3MU-3-8-22 drilling at 5,795 feet. PTD 9,900'. Next well WRU EIH 11ML-24-8-22 directional pad well if Westport signs the AFE's in time. Otherwise will place another well in front of it.
- Patterson #52 – GHU 19 RHZ – Drilling horizontally at 7,823 feet. PTD 8,040', 2600' horizontal lateral, added 600' to lateral. Next well WV 3G-10-8-21, unit approved 2/16/05, ready for rig.
- True #26 – COY 12ML-24-8-24 rigging up, should spud today. PTD 7,600'. Next well BSW 11ML-12-9-24 depending on the RWS 8ML-14-9-24 results. Otherwise the GB 7MU-36-8-21 (unless it is moved to Patterson 51).

“Completions & New Wells to Sales” 2-25-05:

**FR 9P-36-14-19:** (100% WI) Flow well (Dakota, Cedar Mtn., Morrison & Entrada) up backside to sales; DOFP was Sat. Feb. 12<sup>th</sup>; flow tested @ 3.8 Mmcfpd @ 1427 psi FCP on 2 - 11/64" (2 sep.) against 870 psi LP; currently curtailed through existing compressor @ 1081 Mcfpd @ 2251 psi FCP on a 11/64" choke w/ no fluid; Comet will be shutting down (and moving) downstream compressor, which will allow us to flow unrestricted against the higher LP (or flow through compressor @ 250 psi suction – 7.5 Mmcfpd capacity); due to weather delays, this is now est. to happen Mar. 21st.

**SC 11M-16-10-23:** (100% WI) Frac'd 3 MV and 1 Wasatch Tues., Feb. 15th; well went to sales 2-18-05; currently flowing @ 1746 mcfpd @ 1662 psi FTP & 1901 psi CP w/ 76 BWPD & 12 BOPD on a 13/64" choke.

**SCT 8G-12-7-22:** (25% WI) Prep. to P&A.

**RWS 8ML-14-9-24:** (25% WI) 3 MV fracs pumped last Friday; drilled plugs, landed tbg, swabbing back; has not kicked off and maintained flow yet; 1804 BLLTR.

**NBE 11ML-17-9-23:** (43.75% WI) Set kill plug. RIH w/ tbg, bit, & PO sub. Drilled up kill plug, circulate clean & SWIFN. 5720 BLLTR.

**SG 14MU-14-8-22:** (43.75% WI) Frac'd w/ 245,000 lbs sand. (1 MV & 2 Wasatch) on 2/24; open at 6:00 PM, SICP 1250 psi. 8:00 PM FCP 900 psi on 12/64" choke. 5:00 AM FCP 50 psi on 24/64 choke. Recovered 325 bbl overnight, 2959 BLLTR. Will set kill plug and RIH w/ tbg, bit, & PO sub today.

**SG 11MU-14-8-22:** (43.75% WI) MIRU Key rig today.

**GHU 19 RHZ:** (100% WI) Will have rig available to complete once drlg. rig is off location next week.

**DS 14G-8-10-18:** (71.875% WI) MIRU Basin rig early next week.

**\*\*There are 12 wells waiting on completion, but we have rigs on or heading to all “dry” locations.\*\***

WEEKLY OPERATIONS REPORT – February 24, 2005

QEP

UINTA BASIN

T085 R21E S20  
43-040-32651

“Drilling Activity – Operated” 2-24-05

- Patterson #51 – GB 3MU-3-8-22 drilling at 5,795 feet. PTD 9,900'. Next well WRU EIH 11ML-24-8-22 directional pad well if Westport signs the AFE's in time. Otherwise will place another well in front of it.
- Patterson #52 – GHU 19 RHZ – Drilling horizontally at 7,823 feet. PTD 8,040', 2600' horizontal lateral, added 600' to lateral. Next well WV 3G-10-8-21, unit approved 2/16/05, ready for rig.
- True #26 – COY 12ML-24-8-24 rigging up, should spud today. PTD 7,600'. Next well BSW 11ML-12-9-24 depending on the RWS 8ML-14-9-24 results. Otherwise the GB 7MU-36-8-21 (unless it is moved to Patterson 51).

“Completions & New Wells to Sales” 2-25-05:

**FR 9P-36-14-19:** (100% WI) Flow well (Dakota, Cedar Mtn., Morrison & Entrada) up backside to sales; DOFP was Sat. Feb. 12<sup>th</sup>; flow tested @ 3.8 Mmcfd @ 1427 psi FCP on 2 - 11/64" (2 sep.) against 870 psi LP; currently curtailed through existing compressor @ 1081 Mcfd @ 2251 psi FCP on a 11/64" choke w/ no fluid; Comet will be shutting down (and moving) downstream compressor, which will allow us to flow unrestricted against the higher LP (or flow through compressor @ 250 psi suction – 7.5 Mmcfd capacity); due to weather delays, this is now est. to happen Mar. 21st.

**SC 11M-16-10-23:** (100% WI) Frac'd. 3 MV and 1 Wasatch Tues., Feb. 15th; well went to sales 2-18-05; currently flowing @ 1746 mcfpd @ 1662 psi FTP & 1901 psi CP w/ 76 BWPD & 12 BOPD on a 13/64" choke.

**SCT 8G-12-7-22:** (25% WI) Prep. to P&A.

**RWS 8ML-14-9-24:** (25% WI) 3 MV fracs pumped last Friday; drilled plugs, landed tbg, swabbing back; has not kicked off and maintained flow yet; 1804 BLLTR.

**NBE 11ML-17-9-23:** (43.75% WI) Set kill plug. RIH w/ tbg, bit, & PO sub. Drilled up kill plug, circulate clean & SWIFN. 5720 BLLTR.

**SG 14MU-14-8-22:** (43.75% WI) Frac'd w/ 245,000 lbs sand. (1 MV & 2 Wasatch) on 2/24; open at 6:00 PM, SICP 1250 psi. 8:00 PM FCP 900 psi on 12/64" choke. 5:00 AM FCP 50 psi on 24/64 choke. Recovered 325 bbl overnight, 2959 BLLTR. Will set kill plug and RIH w/ tbg, bit, & PO sub today.

**SG 11MU-14-8-22:** (43.75% WI) MIRU Key rig today.

**GHU 19 RHZ:** (100% WI) Will have rig available to complete once drlg. rig is off location next week.

**DS 14G-8-10-18:** (71.875% WI) MIRU Basin rig early next week.

**\*\*There are 12 wells waiting on completion, but we have rigs on or heading to all “dry” locations.\*\***

WEEKLY OPERATIONS REPORT – March 3, 2005

*TOBS R2/E 3-20  
43-047-32651*

UINTA BASIN

“Drilling Activity – Operated” 3-3-05

- Patterson #51 – GB 3MU-3-8-22 drilling at 9,730 feet, will TD today. PTD 9,900'. Next well WRU EIH 11ML-24-8-22 directional pad well. PTD 10,358' TVD, 10,600' MD.
- Patterson #52 – WV 3G-10-8-21 hot oiling casing in order to set whipstock. Drill one 2,600' lateral. Next well RW 12-36B horizontal well with two 2,100' laterals.
- True #26 – COY 12ML-24-8-24 at TD 7,860', tripping out for logs. Next well GB 7MU-36-8-21. PTD 8,850'.

“Completions & New Wells to Sales” 3-3-05:

**FR 9P-36-14-19:** (100% WI) Flow well (Dakota, Cedar Mtn., Morrison & Entrada) up backside to sales; DOFP was Sat. Feb. 12<sup>th</sup>; flow tested @ 3.8 Mmcfpd @ 1427 psi FCP on 2 - 11/64" (2 sep.) against 870 psi LP; currently curtailed through existing compressor @ 1105 Mcfpd @ 2289 psi FCP on a 11/64" choke w/ no fluid; Comet will be shutting down (and moving) downstream compressor, which will allow us to flow unrestricted against the higher LP on Mar. 21st. Pursuing multiple compressor options.

**SCT 8G-12-7-22:** (25% WI) P&A'd.

**RWS 8ML-14-9-24:** (25% WI) 3 MV fracs pumped; isolating individual intervals w/ BP & pkr. for gas entry w/ limited fluid entry; so far no success.

**SG 14MU-14-8-22:** (43.75% WI) Frac'd w/ 245,000 lbs sand. (1 MV & 2 Wasatch) on 2/24; went to sales 2/28; currently flowing @ 1063 mcfpd @ 560 psi FTP & 960 psi CP w/ 105 BWPD & 5 BOPD on a 20/64" ck.

**SG 11MU-14-8-22:** (43.75% WI) 4 fracs pumped Tues. 3/1; drilling plugs.

**WRU EIH 3MU-25-8-22:** (43.75% WI) Frac'd 3 Mesa Verde stages w/ 160,000 lb sand; 4 Wasatch fracs today 3/3.

**WV 14MU-10-8-21:** (100% WI) Fracs. set for Mon./Tues. next week.

**GHU 19 RHZ:** (100% WI) Rig will MIRU Friday 3/4.

**DS 14G-8-10-18:** (71.875% WI) MIRU Basin rig Monday 3/7.

*\*\*There are 11 wells waiting on completion, but locations are starting to dry up to allow access.*

WEEKLY OPERATIONS REPORT – March 10, 2005

Jobs R21E S-20  
43-049-32651

UINTA BASIN

“Drilling Activity – Operated” 3-10-05

- Patterson #51 – WRU EIH 11ML-24-8-22 drilling at 2,545 feet in tangent. PTD 10,600' MD. Next well WRU EIH 12ML-24-8-22 directional pad well. PTD 10,391' TVD, 10,430' MD.
- Patterson #52 – WV 3G-10-8-21 drilling at 5,529 feet building angle at 55.2°. Drill one 2,600' lateral. Next well RW 12-36B horizontal well with two 2,100' laterals.
- True #26 – GB 7MU-36-8-21 drilling at 5,330 feet. PTD 8,850'. Next well SG 8MU-11-8-22. PTD 9,500'.

“Completions & New Wells to Sales” 3-10-05:

**FR 9P-36-14-19:** (100% WI) Flow well (Dakota, Cedar Mtn., Morrison & Entrada) up backside to sales; DOFP was Sat. Feb. 12<sup>th</sup>; flow tested @ 3.8 Mmcfpd @ 1427 psi FCP on 2 - 1 1/64" (2 sep.) against 870 psi LP; currently curtailed through existing compressor @ 1083 Mcfpd @ 2281 psi FCP on a 1 1/64" choke w/ no fluid; Comet will be shutting down (and moving) downstream compressor, which will allow us to flow unrestricted against the higher LP on Mar. 21st. Will order lease compressor Friday once ROW w/ tribe is signed.

**RWS 8ML-14-9-24:** (25% WI) 3 MV frac pumped; isolated 3 sets of intervals w/ BP & pkr. for gas entry w/ limited fluid entry; but all appeared wet, perf'd and brokedown 7 MV coals, will add 2 sands and acidize Friday.

**SG 11MU-14-8-22:** (43.75% WI) 4 frac pumped Tues. 3/1; swabbing well in; might kick-off tomorrow.

**WV 14MU-10-8-21:** (100% WI) Frac'd. 3 MV & 3 Wasatch; flowed back 660 bbl overnight; set kill plug, RIH w/ tbg & bit; drilled out plugs today; well very lively (750 psi FCP on a 48/64" & 32/64").

**GHU 19 RHZ:** (100% WI) Tbg., rods, & pump run Weds.; RDMO rig this a.m.; leveled location; gravel for pad and crane for PU scheduled for Friday a.m.; will start PU late Friday.

**DS 14G-8-10-18:** (71.875% WI) GR Fmn.; 2.5 bbls. entry ON; 50% oil; swabbing 100% oil by the end of today; frac. set for Mon. 3/14.

**EIHX 10MU-25-8-22:** (100% WI) Frac'd. 1 Mesa Verde / 2 Wasatch Weds.; drilling plugs Friday.

**EIHX 11MU-25-8-22:** (100% WI) Frac'd. 1 Mesa Verde / 2 Wasatch Thurs.

## WEEKLY OPERATIONS REPORT – March 17, 2005

QEP

### UINTA BASIN

T08S R21E S-20  
43-047-32651

#### “Drilling Activity – Operated” 3-17-05

- Patterson #51 – WRU EIH 11ML-24-8-22 drilling at 5,280 feet dropping angle. 7” intermediate casing set at 4,155’. PTD 10,600’ MD. Next well WRU EIH 12ML-24-8-22 directional pad well. PTD 10,391’ TVD, 10,430’ MD.
- Patterson #52 – WV 3G-10-8-21 drilling at 6,780 feet drilling horizontal in zone. Drill one 2,600’ lateral. Next well RW 12-36B horizontal well with two 2,100’ laterals.
- True #26 – GB 7MU-36-8-21 cemented casing, rigged down, moving today. Next well SG 8MU-11-8-22. PTD 9,500’.

#### “Completions & New Wells to Sales” 3-17-05:

**FR 9P-36-14-19:** (100% WI) Flow well (Dakota, Cedar Mtn., Morrison & Entrada) up backside to sales; DOFP was Sat. Feb. 12<sup>th</sup>; flow tested @ 3.8 Mmcfpd @ 1427 psi FCP on 2 - 11/64” ( 2 sep.) against 870 psi LP; currently curtailed through existing compressor @ 1072 Mcfpd @ 2309 psi FCP on a 11/64” choke w/ no fluid; Comet will be shutting down (and moving) downstream compressor, which will allow us to flow unrestricted against the higher LP on Mar. 21st. Ordered lease compressor Mon., Mar. 14<sup>th</sup>; est. delivery in 3 weeks.

**RWS 8ML-14-9-24:** (25% WI) 3 MV fracs pumped; isolated 3 sets of intervals w/ BP & pkr. for gas entry w/ limited fluid entry, but all appeared wet; perf'd and brokedown 7 MV coals and 2 sands and acidized; currently swabbing; FL 1300' & 17 bbls. inflow ON past two mornings; need to have continuous completion operations up and over Mar. 31<sup>st</sup> to get 2 year extension.

**GHU 19 RHZ:** (100% WI) Started PU last Friday; pumped 50 bbl xysol (aromatic solvent) Weds., SI to soak for 24 hrs.; will re-start PU 11:00 this morning; new production numbers Friday.

**DS 14G-8-10-18:** (71.875% WI) GR frac. Mon. 3/14; swabbing 3.5 BFPH w/ 95 % oil cut; RIH w/ tbg. rods & pump currently; well looks to have come in as expected.

**WRU EIH 10MU-23-8-22:** POOH w/ tbg. Will CBL & perforate today.

**EIHX 14MU-25-8-22:** (100% WI) Ran CBL, TOC @ 1950'. Perforated 1st MV interval. SI well, scheduled to frac Monday.

**WV 14M-11-8-21:** (100% WI) Yesterday SICP 5500 psi. Bled off gas head in 30 sec w/ approx 1 bbl water. Left well open for 3 hrs, recovered 1/2 bbl water. Frac today & tomorrow w/ 740,000 lbs 20/40 Econoprop; at press time, Mancos 'B'/Shale frac went off as per design; frac'ing Blackhawk currently.

**\*\*There are 6 wells waiting on a completion rig as of today. Three of those will have a rig on them next week. There are 2 additional wells WOQGM ROW.**

## WEEKLY OPERATIONS REPORT – March 24, 2005

QEP

### UINTA BASIN

TOBS R21E S-20  
43-047-32651

#### “Drilling Activity – Operated” 3-24-05

- Patterson #51 – WRU EIH 11ML-24-8-22 drilling at 6,982 feet back to vertical. Will trip today to lay down directional tools. 7” intermediate casing set at 4,155’. PTD 10,600’ MD. Next well WRU EIH 12ML-24-8-22 directional pad well. PTD 10,391’ TVD, 10,430’ MD.
- Patterson #52 – WV 3G-10-8-21 drilling at 7,578 feet horizontal in zone. Drill one 2,600’ lateral. PTD 8,275’. Next well RW 12-36B horizontal well with two 2,100’ laterals.
- True #26 – SG 8MU-11-8-22 drilling at 7,896 feet. PTD 9,500’. Next well SG 7MU-11-8-22. PTD 9,500’.
- Caza #57 – WV 1MU-16-8-21 rig moving out of Wamsutter, WY today. Should all be on location tomorrow. Spud late next week after draw works are repaired.
- Caza #24 – GB 3M-27-8-21 installing wear bushing and getting ready to pick up BHA to drill out CBP after repairing surface casing. Current TD is 7,367’. Next casing point 10,300’. PTD 12,900’. Next well - move to Pinedale.
- Patterson #413 – WRU GB 5M-9-8-22 drilling at 7,950 feet. Next casing point 10,500’. PTD 13,100’. Next well – move to Pinedale.

#### “Completions & New Wells to Sales” 3-25-05:

**FR 9P-36-14-19:** (100% WI) Flow well (Dakota, Cedar Mtn., Morrison & Entrada) up backside to sales; DOFP was Sat. Feb. 12<sup>th</sup>; Comet shut down downstream compressor this week, which allowed us to flow unrestricted against the higher LP; currently flowing 4.31 Mmcfd @ 1695 psi FCP on a 22/64” choke; will monitor FCP over weekend and open up to higher volume Monday; QEP lease compressor scheduled to be on site in 2 ½ weeks.

**WV 14M-11-8-21:** (100% WI) Frac'd Mancos B, Mancos Shale, Blackhawk, Lower Mesa Verde, & Middle Mesa Verde w/ 640,000 lbs 20/40 Econoprop, 100,000 lbs 30/50 Econoprop, & 25,000 lbs 100 Mesh sand; flowing @ 1900 psi FCP on a 40/64” & a 32/64” ck. after drilling top kill plug; do not want to overpressure tbg. and pump-off bit to drill the 4 flow thru plugs while circ., so landed tbg. in BOP's and will take well to sales today to deplete some pressure and ensure smooth operation drilling plugs in near future; have one 5 Mmcfd sep. on location; will MI another soon and need QGM dedicated high pres. line to be installed to open well up beyond 5 Mmcfd.

**GHU 19 RHZ:** (100% WI) Pumped 4000 gal. 28% gelled acid Weds.; well pumping 121 BO in first 20 hrs. post-treatment load; 6 BWPD & 32 mcfpd.

**DS 14G-8-10-18:** (71.875% WI) Started PU Tues.; currently making 48 BOPD, 17 BWPD & 0 mcfpd.

**DS 1G-7-10-18:** (71.875% WI) Frac'd Green River 'C' Shoal Thurs.; frac. went well.

**WRU EIH 10MU-23-8-22:** (36% WI) 8 stages frac'd. Weds. into Thurs.; FCP Friday a.m. was 1050# on a 24/64” w/ 30 BWPH.

**EIHX 14MU-25-8-22:** (100% WI) 2 stages frac'd. Tues.; perf guns got stuck coming out of hole for 3<sup>rd</sup> stage; have successfully fished; finishing fracs today (Friday).

**WH 15G-10-7-24:** (100% WI) MIRU yesterday.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to deepen or reentry to a different reservoir  
Use "APPLICATION FOR PERMIT--" for such proposals

5. Lease Designation and Serial No.  
**UTU-0140740**

6. If Indian, Allottee or Tribe Name  
**UTE TRIBE**

7. If Unit or CA, Agreement Designation  
**UTU-67951A**

8. Well Name and No.  
**GH 19**

9. API Well No.  
**43-047-32651**

10. Field and Pool, or Exploratory Area  
**GYPSUM HILLS**

11. County or Parish, State  
**UINTAH COUNTY, UTAH**

**SUBMIT IN TRIPLICATE**

1. Type of Well  
Oil Gas  
 Well  Well  Other

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

3. Address and Telephone No. **Contact: Dahn.Caldwell@questar.com**  
**11002 E. 17500 S. VERNAL, UT 84078-8526** **435-781-4342 Fax 435-781-4357**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**SURFACE - SWNW, 1938' FNL, 653' FWL, SEC 20-T8S-R21E**  
**BOTTOM - SENE, 1356' FNL, 1520' FEL, SEC 19-T8S-R21E**

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

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

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

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)  
**COMPLETION OF HORIZONTAL LATERAL - RE-ENTRY. Started on 3/7/05/05 & finished on 5/2/05. Lateral Csg Window - 5126'.**

- On 3/7/05 - MIRU Key Energy #321.
- Tag CBP @ 4500'. Drill out CBP @ 5142'. RIH w/ production tubulars & land tbg in hanger & SIFN. Space out rods.
- RD Key #321. Turn well over to production. Final report of completion. DOFP - 3/11/05.
- Resumption of completion report discontinued on 3/11/05 report. This continued completion is to clean out the lateral and stimulated interval which did not occur during original completion.
- POOH w/ rods & pump.
- Bleed off and POOH w/ tbg and anchor.
- On 4/25/05 - RIH w/ 3-3/4" bit, 2-3\* bent joints 3-4' above bottom upset & 2-3/8" tbg. Tag @ 5389'.
- Tbg with bit @ 8294'. Acidize hole lateral from 5126' - 8294' down 2-3/8" tbg using 5000 gals of gelled 28% HCL acid.
- Finish POOH & LD the 2-3/8" tbg & 3-3/4" bit. RIH w/ the production string, along w/ the pump and rods. Tbg Detail: NC w/ pin; 1 jt tbg; SN; 2 jts of tbg; B-2 anchor catheer; 165 jts of tbg to surface. All tbg is 2-7/8" EUE 8rd J-55 6.5#. Tbg tail @ 5198' & SN @ 5166' & anchor catcher w/ 14M# tension @ 5103' KB depths. Rod detail: Weatherford ALS pump #1664; 2-1/2"x1-3/4"x12x15x17" RHBC (bottom hold down) pump; 117 - 3/4" plain rods; 87 - 7/8" plain rods; 1-7/8" x 8' pony rod; 2-6"x7/8" pony rods and 1-1/2"x 36' polish rod. All tbg & rods were previously used to rod pump this well. Seat pump & fill tbg with water & pressure test pump & tbg to 900#.
- RDMO Basin Well Service. Final report of lateral cleanout and acid job on the lateral.

14. I hereby certify that the foregoing is true and correct.  
Signed JIM SIMONTON Title COMPLETION SUPERVISOR Date 9/13/2005

(This space for Federal or State office use)

Approved by: \_\_\_\_\_ Title RECEIVED 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.

\*See instruction on Reverse Side

~~CONFIDENTIAL~~

# ASIN WELL SERVICE

## WELL PROFILE

<b>Company:</b> Questar E & P Uintah Basin Division		<b>Spec's</b>	<b>Surface Csg</b>	<b>Prod. Casing</b>	<b>Tubing</b>	<b>Tailpipe</b>	<b>Workover</b>
<b>Well#</b> G.H. #19	<b>Lease:</b> S-20 T-8S R-21E	<b>Size</b>	8 5/8"	5 1/2"	2 7/8"		X
<b>Field:</b> Wonsits Valley	<b>County:</b> Uintah	<b>Weight</b>	24 #	17 #	6.5 #		<b>Completion</b>
<b>Prepared for:</b> Jim Simonten		<b>Grade</b>	K-55	L-80	J-55		<b>Production</b>
<b>Prepared by:</b> Tom Jones ( Basin Well Service )		<b>Thread</b>			E.U.E. 8-rd		
<b>Date:</b> 4/28/2005		<b>Depth</b>	572'	7335'	5197.98'		
<b>Cell:</b> 435-823-6780		<b>Office:</b> 435-722-3651					

Installation	Item	Description:	Od	Id	Length	Depth
		3000# B-1 Adapter Flange w/ x-over studs			0	0
		K.B.			16	16
		Stretch			12	17.2
	1	165-ft's 2 7/8" J-55 6.5# tbg			5083.65	5100.85
	2	5 1/2" B-2 Weatherford tbg A.C.			2.73	5103.58
	3	2-ft's 2 7/8" J-55 6.5# tbg			61.15	5164.73
	4	2 7/8" pump seating nipple			1.1	5165.83
	5	1-ft's 2 7/8" J-55 6.5# tbg			31.71	5197.54
	6	2 7/8" N.C. w/pin			0.44	5197.98
		Tbg Anchor @ 5100.85'				
		Seating Niple @ 5164.73'				
		E.D.T. @ 5197.98'				
	A	T.O.C. @ 350'				
	B	Csg Window @ 5126' & Lateral T.D. @ 8330'				
	C	G-1 Lime Perf's @ 5292'-5298' @ 4-SPF				
	D	Cased Hole P.B.T.D. @ 5455'				
	E	C.I.B.P. @ 5490' w/ 35' of cmt on top				
	F	C.I.B.P. @ 6213' w 102' of cmt on top				
	G	Original P.B.T.D. @ 7307'				
	H	Original T.D. @ 7335'				

	Item	Summary / Comments	Rod Detail
		P.U. 2 3/8" tbg and run in to end of lateral with bottom jt. having a 3 degree bend. H.E.S. pumped 119-bbls of 28 % acid. L.D. workstring and R.L.H. with production string.	1- 1 1/2" x 26' Polish Rod 2- 7/8" x 6' Pony Subs 1- 7/8" x 8' Pony Sub 87- 7/8" Slick Rods 117- 3/4" Slick Rods
		Swab back 42-BBLS. R.L.H. with pump and rods.	
		Fill tbg w/ 12-bbls, tested to 900 # Psi. Held good.	
	F	Turnover to production.	1- 2 1/2" x 1 3/4" x 12 x 15 x 17 RHBC Rod Pump Weatherford ALS pump # 1664
	G		
	H		

~~CONFIDENTIAL~~

FIELD: Gypsum Hills

1688' KBE: 4704'

Horizontal spud dat 2-7-05

Set date of work: 3-10-05

WELL NAME: GHU 19

TD: 7335' PBTD: 7307'

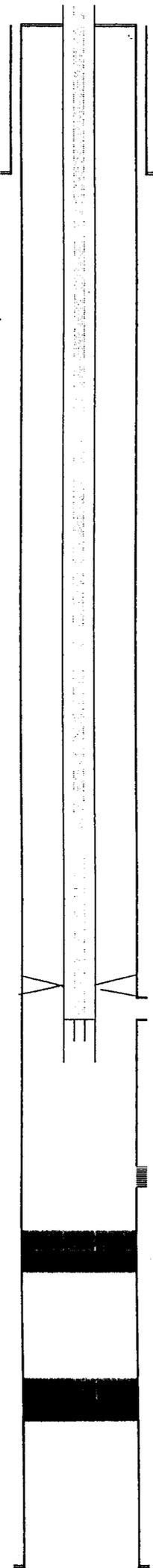
Current Well Status: (OIL)

SW of NW SEC. 20 T 8S R 21E  
Uintah County, Utah

Reason for Pull/Workover:  
Completion of horizontal lateral

Wellbore Schematic

Surface casing  
8 5/8"  
Weight 24#  
Grade K-55  
Cemented  
W/250SXS  
Set @ 572'  
Hole size 12 1/4"



TOC @ 350'

EXCLUDED PERFS

OPEN PERFS

Anchor @ 5105  
Lateral window @ 5126'  
PSN @ 5199  
EOT @ 5200

5292' - 5298'

TOC 5455'  
CIBP @ 5490

TOC 6111'  
CIBP @ 6213'

Production casing  
Size 5 1/2"  
Weight 17.0#  
Grade L-80  
Cemented  
W/ 740 SXS  
Set @ 7335'  
Hole size 7 7/8"

PBTD @ 7307'  
TD @ 7335'

Tubing Landing Detail:

Description	Size	Footage	Depth
KB		16.00	16.00
Hanger	5-1/2"	0.80	16.80
Tension		1.25	18.05
165 jts tubing	2 7/8"	5083.65	5101.70
T-anchor	5 1/2"	2.80	5104.50
2 jts tubing	2-7/8"	61.15	5165.65
SN	2 7/8"	1.80	5167.45
1 jt tubing	2-7/8"	31.71	5199.16
NC	2-7/8"	0.50	5199.66
EOT			5199.66

Tubing Information

Condition:

New:  Used:  Rerun:

Grade: J-55

Weight (#/ft): 6.50

Sucker Rod Detail:

Size	#Rods	Type
1-1/2" x 26'	1	Polish rod
7/8" x 4'	1	Pony
7/8" x 8	1	Pony
7/8"	88	Plain
3/4"	###	Plain

Rod Information

Condition:

New:  USED  Rerun:

Grade: D

Manufacture: NORRIS

Pump Information:

API Designation 2-1/2" x 1-3/4" x 12 x 15 x 17

Example:

Pump SN#: ## Original Run Date: 3/9/2005

RERUN  NEW RUN

ESP Well

Cable Size: \_\_\_\_\_

Pump Intake @ \_\_\_\_\_

End of Pump @ \_\_\_\_\_

Flowing Well

"R" NIPPLE \_\_\_\_\_

PKR @ \_\_\_\_\_

EOT @ \_\_\_\_\_

Wellhead Detail:

7 1/16" 2000# \_\_\_\_\_

7 1/16" 3000#

7 1/16" 5000# \_\_\_\_\_

Other: \_\_\_\_\_

No  X

SUMMARY

NEW PBTD @ 5455'

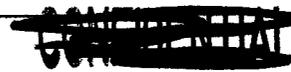
1. SET CIBP @ 6213', DUMPED BAIL 102' CMT, ON SAME.
2. SET CIBP @ 5490', DUMPED BAIL 35' CMT ON SAME.
3. PERFORATED 4" HSC, 4SPF @ 90 DEG PHASING @ 5292'-5298'.
4. ACID FRACED PERFS 5292'-5298' W/ 15,000 GALS OF 28% HCL W/ ADDITIVES.
5. EQUIP TO PUMP.

9/30/1999.

1. MOVED IN CLO.
2. ACIDIZED G-1 LIME W/ 2500 GAL'S OF HCL 15% @ 5292'-5298'.
3. SWABBED BACK FLUID.
4. EQUIP BACK TO PROD.

10/07/04 Pump change.

1/27/05 Prepare for drilling rig.



A Gyrodata Directional Survey

Field Copy Only, not definitive

for

QUESTAR EXPLORATION

Location: KEY #0955, UINTAH COUNTY, Lease: GYPSUM HILLS Well: #19, 5 1/2" CASING

Job Number: RM0105G\_120

Run Date: 1/28/2005 2:20:11 PM

Surveyor: JOEL SULZEN

Calculation Method: MINIMUM CURVATURE

Survey Latitude: 40.109810 deg. N Longitude: 109.583880 deg. W

Azimuth Correction:

Gyro: Bearings are Relative to True North

Vertical Section Calculated from Well Head Location

Closure Calculated from Well Head Location

Horizontal Coordinates Calculated from Well Head Location

RECEIVED  
SEP 15 2005  
DIV. OF OIL, GAS & MINING

## A Gyrodata Directional Survey

### QUESTAR EXPLORATION

Location: KEY #0955, UINTAH COUNTY

Lease: GYPSUM HILLS Well: #19, 5 1/2" CASING

Location: KEY #0955, UINTAH COUNTY

Job Number: RM0105G\_120

MEASURED DEPTH feet	I N C L deg.	AZIMUTH deg.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
0.00	0.00	0.00	0.00	0.00	0.0 0.0	0.00 N 0.00 E
-----						
0 - 5126 FT. RATE GYROSCOPIC MULTISHOT SURVEY RUN INSIDE 5 1/2" CASING.						
ALL MEASUREDS DEPTHS ARE REFERENCED TO WELL HEAD.						
-----						
100.00	0.05	121.63	0.05	100.00	0.0 121.6	0.02 S 0.04 E
200.00	0.16	112.76	0.11	200.00	0.2 116.3	0.10 S 0.21 E
300.00	0.12	152.66	0.11	300.00	0.5 122.8	0.25 S 0.39 E
400.00	0.13	129.21	0.05	400.00	0.7 128.3	0.42 S 0.53 E
500.00	0.07	162.78	0.08	500.00	0.8 131.0	0.55 S 0.64 E
600.00	0.22	107.59	0.18	600.00	1.1 128.8	0.67 S 0.84 E
700.00	0.23	105.57	0.01	700.00	1.4 123.0	0.78 S 1.21 E
800.00	0.24	103.30	0.01	800.00	1.8 118.9	0.88 S 1.59 E
900.00	0.25	102.11	0.01	900.00	2.2 115.9	0.97 S 2.01 E
1000.00	0.29	104.54	0.05	1000.00	2.7 113.7	1.08 S 2.47 E
1100.00	0.46	133.24	0.24	1099.99	3.3 115.3	1.42 S 3.01 E
1200.00	0.64	138.09	0.19	1199.99	4.2 119.9	2.11 S 3.67 E
1300.00	0.83	140.51	0.19	1299.98	5.5 124.4	3.08 S 4.50 E

## A Gyrodata Directional Survey

### QUESTAR EXPLORATION

Location: KEY #0955, UINTAH COUNTY

Lease: GYPSUM HILLS Well: #19, 5 1/2" CASING

Location: KEY #0955, UINTAH COUNTY

Job Number: RM0105G\_120

MEASURED DEPTH feet	I N C L deg.	AZIMUTH deg.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE		HORIZONTAL COORDINATES feet	
					DIST.	AZIMUTH deg.		
1400.00	0.94	141.40	0.11	1399.97	6.9	128.0	4.28 S	5.47 E
1500.00	1.13	140.36	0.19	1499.95	8.7	130.7	5.68 S	6.61 E
1600.00	1.17	141.59	0.05	1599.93	10.7	132.6	7.23 S	7.87 E
1700.00	1.24	142.02	0.07	1699.91	12.8	134.1	8.89 S	9.17 E
1800.00	1.34	146.47	0.14	1799.88	15.0	135.6	10.72 S	10.49 E
1900.00	1.40	146.63	0.05	1899.86	17.4	137.1	12.72 S	11.81 E
2000.00	1.40	145.86	0.02	1999.83	19.8	138.3	14.75 S	13.16 E
2100.00	1.31	143.87	0.10	2099.80	22.1	139.0	16.68 S	14.52 E
2200.00	1.28	142.11	0.05	2199.77	24.4	139.3	18.48 S	15.88 E
2300.00	1.32	146.80	0.12	2299.75	26.6	139.8	20.32 S	17.19 E
2400.00	1.49	136.08	0.31	2399.72	29.1	139.9	22.22 S	18.72 E
2500.00	2.14	130.08	0.68	2499.67	32.2	139.2	24.36 S	21.05 E
2600.00	1.94	127.67	0.22	2599.60	35.7	138.2	26.60 S	23.83 E
2700.00	1.74	104.22	0.77	2699.55	38.7	136.4	28.01 S	26.64 E
2800.00	2.28	56.07	1.71	2799.50	40.4	132.5	27.28 S	29.77 E
2900.00	2.14	51.76	0.22	2899.42	41.3	127.3	25.01 S	32.88 E
3000.00	1.52	58.22	0.65	2999.37	42.4	123.1	23.16 S	35.47 E

## A Gyrodata Directional Survey

### QUESTAR EXPLORATION

Location: KEY #0955, UINTAH COUNTY

Lease: GYPSUM HILLS Well: #19, 5 1/2" CASING

Location: KEY #0955, UINTAH COUNTY

Job Number: RM0105G\_120

MEASURED DEPTH feet	I N C L deg.	AZIMUTH deg.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE		HORIZONTAL COORDINATES	
					feet	deg.	feet	
3100.00	1.27	59.03	0.25	3099.34	43.5	120.2	21.89 S	37.55 E
3200.00	0.93	80.52	0.53	3199.32	44.6	118.3	21.19 S	39.30 E
3300.00	0.75	110.78	0.47	3299.31	45.9	117.6	21.29 S	40.71 E
3400.00	0.65	123.32	0.18	3399.31	47.2	117.6	21.83 S	41.80 E
3500.00	0.65	127.72	0.05	3499.30	48.3	117.8	22.49 S	42.72 E
3600.00	0.64	139.35	0.13	3599.29	49.4	118.1	23.27 S	43.54 E
3700.00	0.80	153.49	0.23	3699.29	50.5	118.8	24.32 S	44.22 E
3800.00	1.10	153.48	0.31	3799.27	51.8	119.9	25.80 S	44.96 E
3900.00	1.01	134.47	0.36	3899.26	53.5	120.7	27.28 S	46.01 E
4000.00	1.03	127.80	0.12	3999.24	55.2	121.0	28.44 S	47.35 E
4100.00	0.97	130.43	0.08	4099.22	57.0	121.2	29.54 S	48.70 E
4200.00	1.13	139.79	0.24	4199.21	58.7	121.7	30.84 S	49.98 E
4300.00	1.11	142.76	0.06	4299.19	60.6	122.3	32.37 S	51.20 E
4400.00	1.17	139.93	0.08	4399.17	62.5	122.9	33.92 S	52.45 E
4500.00	1.21	145.90	0.13	4499.15	64.4	123.5	35.57 S	53.69 E
4600.00	0.94	147.00	0.27	4599.13	66.1	124.2	37.13 S	54.73 E
4700.00	0.66	156.95	0.31	4699.12	67.4	124.7	38.34 S	55.40 E
4800.00	0.79	148.96	0.17	4799.11	68.5	125.2	39.46 S	55.98 E

## A Gyrodata Directional Survey

QUESTAR EXPLORATION

Location: KEY #0955, UINTAH COUNTY

Lease: GYPSUM HILLS Well: #19, 5 1/2" CASING

Location: KEY #0955, UINTAH COUNTY

Job Number: RM0105G\_120

MEASURED DEPTH feet	I N C L deg.	AZIMUTH deg.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE		HORIZONTAL COORDINATES	
					DIST. feet	AZIMUTH deg.	feet	
4900.00	1.05	159.99	0.32	4899.10	69.9	125.8	40.91 S	56.64 E
5000.00	1.36	152.20	0.35	4999.08	71.7	126.7	42.82 S	57.51 E
5100.00	1.41	147.32	0.13	5099.05	73.9	127.4	44.91 S	58.73 E
5126.00	1.41	145.93	0.13	5125.04	74.5	127.6	45.45 S	59.09 E

Final Station Closure: Distance: 74.55 ft Az: 127.57 deg.

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.  
**UTU-0140740**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
**UTE TRIBE**

7. UNIT AGREEMENT NAME  
**UTU-67951A**

8. FARM OR LEASE NAME  
**N/A**

9. WELL NO.  
**GH 19**

10. FIELD AND POOL, OR WILDCAT  
**GYPSUM HILLS**

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
**SEC 20-T8S-R21E**

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL  
OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

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

2. NAME OF OPERATOR  
**QEP UINTA BASIN, INC.**

3. ADDRESS OF OPERATOR  
**11002 E. 17500 S. VERNAL, UT 84078-8526 435-781-4342**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface **SWNW, 1938' FNL, 653' FWL, SEC 20, T8S, R21E**  
At top rod. interval reported below  
**1292 FNL 9333 FEL / Dir Sunny**  
At total depth **BOTTOM - SENE, 1356' FNL, 1520' FEL, SEC 19-T8S-R21E**

14. PERMIT NO. **43-047-32651** DATE ISSUED \_\_\_\_\_  
12. COUNTY OR PARISH **UINTAH** 13. STATE **UTAH**

15. DATE SPUNDED **9/3/95** 16. DATE T.D. REACHED **2/25/05** 17. DATE COMPL. (Ready to prod.) **3/10/05** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* **KB** 19. ELEV. CASINGHEAD \_\_\_\_\_

20. TOTAL DEPTH, MD & TVD **MD 9330 TVD 1292-5346** 21. PLUG BACK T.D., MD & TVD **7307' - Csg Hole @ 5455'** 22. IF MULTIPLE COMPL., HOW MANY\* \_\_\_\_\_ 23. INTERVALS DRILLED BY \_\_\_\_\_ ROTARY TOOLS \_\_\_\_\_ CABLE TOOLS \_\_\_\_\_

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
**Lateral Csg Window @ 5126'**  
**G-1 Lime - 5292' - 5298'**

25. WAS DIRECTIONAL SURVEY MADE  
**Yes**

26. TYPE ELECTRIC AND OTHER LOGS RUN  
**None**

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#	572'	12-1/4"	250 SXS	
5-1/2"	17#	7335'	7-7/8"	740 SXS	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	5200'	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	5200'	

31. PERFORATION RECORD (Interval, size and number)  
**G-1 LIME 5292' - 5298'**

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5292' - 5298'	Acidize w/ 15,000 gals 28% HCL

33. PRODUCTION

DATE FIRST PRODUCTION **3/11/05** PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) **ROD PUMPING** WELL STATUS (Producing or shut-in) **PRODUCING**

DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
3/14/05	24			117	32	38	

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF	WATER—BBL	OIL GRAVITY-API (CORR.)
270	50					

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

TEST WITNESSED BY \_\_\_\_\_

35. LIST OF ATTACHMENTS  
**WELLBORE & DIRECTIONAL SURVEY**

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

SIGNED **JIM SIMONTON** TITLE **COMPLETION SUPERVISOR** DATE **9/13/05**

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

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

SEP 13 2005

~~CONFIDENTIAL~~

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.	GEOLOGIC MARKERS GH 19		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
UINTA GREEN RIVER WASATCH TD	SURFACE 2252 6151 7335'		<p style="text-align: center;">GH 19 LATERAL CSG WINDOW @ 5126' G-1 LIME PERFS 5292' - 5298'</p>	OIL SHALE G-1 LIME G-1 SAND	3517 5292 5305	

~~XXXXXXXXXX~~

**OGM UINTA BASIN, INC.**

11002 EAST 17500 SOUTH  
VERNAL, UT 84078  
(435)790-6030 (435)781-4357 (fax)

**Fax To:** Dustin Doucet

**Fax Number:** 801.359.3940

**From:** Dahn Caldwell

**Phone #:** 435.781.4342

**No. of Pages:** \_\_\_\_\_  
(including cover sheet)

**Comments:**  
GH 19 Horizontal Survey Info

RECEIVED  
SEP 21 2005  
DIV. OF OIL, GAS & MINING

## QUESTAR

## A Gyrodata Directional Survey

Location: PATTERSON 52, UINTAH COUNTY

Lease: UTE TRIBAL Well: GYPSUM HILLS #19, 2 7/8" DRILL PIPE

Job Number: RM0205G\_127

STAT NO.	MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	BORE HOLE BEARING deg. min.	GYRO TOOL FACE deg.
0	0.00	0.00	0.00	N 0 0 E	0.00

-----  
 RATE GYROSCOPIC MOTOR ORIENTATION RUN INSIDE 2 7/8" DRILL PIPE.

ALL MEASURED DEPTHS AND COORDINATES REFERENCED TO PATTERSON 52 R.K.B. ELEVATION OF 15FT.  
 GYRO TOOLFACE EQUALS DIRECTION OF KEYWAY IN UBHO SUB.

95	5109.00	1.33	149.55	S 30 27 E	283.63
97	5117.00	0.72	227.50	S 47 30 W	277.69
98	5127.00	1.38	245.85	S 65 51 W	291.35
99	5137.00	5.49	248.68	S 68 41 W	311.66
110	5147.00	11.09	250.91	S 70 54 W	338.30
111	5157.00	16.28	255.64	S 75 39 W	325.93

**A Gyrodata Directional Survey**

**Field Copy Only, not definitive**

**for**

**QUESTAR**

**Location: PATTERSON 52, UINTAH COUNTY**  
**Lease: UTE TRIBAL Well: GYPSUM HILLS #19, 2 7/8" DRILL PIPE**

**Job Number: RM0205G\_127**

**Run Date: 2/7/2005 9:29:54 PM**

**Surveyor: BRYAN J. STEFFEN, DAVID HOULE**

**Calculation Method: MINIMUM CURVATURE**

**Survey Latitude: 40.109810 deg. N Longitude: 109.583880 deg. W**

**Azimuth Correction:**

**Gyro: Bearings are Relative to True North**

**Proposed Well Direction: 280.000 deg**

**Vertical Section Calculated from Well Head Location**

**Closure Calculated from Well Head Location**

**Horizontal Coordinates Calculated from Well Head Location**

## A Gyrodata Directional Survey

QUESTAR

Location: PATTERSON 52, UINTAH COUNTY

Lease: UTE TRIBAL Well: GYPSUM HILLS #19, 2 7/8" DRILL PIPE

Job Number: RM0205G\_127

STAT NO.	MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	BORE HOLE BEARING deg. min.	GYRO TOOL FACE deg.
0	0.00	0.00	0.00	N 0 0 E	0.00

RATE GYROSCOPIC MOTOR ORIENTATION RUN INSIDE 2 7/8" DRILL PIPE.

ALL MEASURED DEPTHS AND COORDINATES REFERENCED TO PATTERSON 52 R.K.B. ELEVATION OF 15FT.

GYRO TOOLFACE EQUALS DIRECTION OF KEYWAY IN UBHO SUB.

95	5109.00	1.33	149.55	S 30 27 E	283.63
97	5117.00	0.72	227.50	S 47 30 W	277.69
98	5127.00	1.38	245.85	S 65 51 W	291.35
99	5137.00	5.49	248.68	S 68 41 W	311.66
110	5147.00	11.09	250.91	S 70 54 W	338.30
111	5157.00	16.28	255.64	S 75 39 W	325.93

**A Gyrodata Directional Survey**

**Field Copy Only, not definitive**

**for**

**QUESTAR**

**Location: PATTERSON 52, UINTAH COUNTY**  
**Lease: UTE TRIBAL Well: GYPSUM HILLS #19, 2 7/8" DRILL PIPE**

**Job Number: RM0205G\_127**

**Run Date: 2/7/2005 9:29:54 PM**

**Surveyor: BRYAN J. STEFFEN, DAVID HOULE**

**Calculation Method: MINIMUM CURVATURE**

**Survey Latitude: 40.109810 deg. N Longitude: 109.583880 deg. W**

**Azimuth Correction:**

**Gyro: Bearings are Relative to True North**

**Proposed Well Direction: 280.000 deg**

**Vertical Section Calculated from Well Head Location**

**Closure Calculated from Well Head Location**

**Horizontal Coordinates Calculated from Well Head Location**



Job Number: WYL0206DH017  
 Company: Questar  
 Lease/Well: GHU 19 RHZ  
 Location: Sec 20,T8S,R21E  
 Rig Name: Patterson 52  
 RKB:   
 G.L. or M.S.L.:

State/Country: Utah,Uintah  
 Declination: 12.24122  
 Grid: -0.96  
 File name: C:\JOBS\UTAH\QUESTAR\GHU19RHZ\19RHZ.SVY  
 Date/Time: 09-Feb-05 / 06:12  
 Curve Name: WORK

**WINSERVE SURVEY CALCULATIONS**  
*Minimum Curvature Method*  
*Vertical Section Plane 285.00*  
*Vertical Section Referenced to Wellhead*  
*Rectangular Coordinates Referenced to Wellhead*

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	Course Length FT	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Dogleg Severity Deg/100	CLOSURE Distance FT	Direction Deg
<b>GYRO TIE IN</b>										
5100.00	1.41	147.32		5099.05	-44.91	58.73	-68.35	.00	73.93	127.40
<b>GYRO SURVEY</b>										
5147.00	11.10	250.90	47.00	5145.76	-46.88	54.75	-65.02	24.49	72.08	130.57
<b>GYRO SURVEY</b>										
5157.00	16.30	255.60	10.00	5155.47	-47.55	52.48	-63.00	53.14	70.82	132.18
5167.00	20.30	269.30	10.00	5164.97	-47.92	49.39	-60.11	58.49	68.81	134.14
5177.00	24.20	274.90	10.00	5174.22	-47.76	45.61	-56.42	44.35	66.04	136.32
5187.00	28.40	280.00	10.00	5183.19	-47.18	41.22	-52.03	47.66	62.65	138.85
5197.00	32.70	284.50	10.00	5191.80	-46.09	36.26	-46.95	48.68	58.64	141.80
5207.00	36.80	288.80	10.00	5200.02	-44.44	30.81	-41.26	47.75	54.08	145.27
5217.00	41.40	291.60	10.00	5207.77	-42.26	24.89	-34.98	49.26	49.05	149.50
5227.00	45.30	294.30	10.00	5215.06	-39.58	18.58	-28.19	43.17	43.72	154.86
5237.00	49.70	295.50	10.00	5221.80	-36.47	11.89	-20.93	44.88	38.36	161.94



**Weatherford**  
*Services*

Job Number: WYL0206DH017  
 Company: Questar  
 Lease/Well: GHU 19 RHZ  
 Location: Sec 20,T08,R21E  
 Rig Name: Patterson 52  
 RKB:   
 G.L. or M.B.L.:

State/Country: Utah, Utah  
 Declination: 12.24122  
 Grid: -0.96  
 File name: C:\JOBS\UTAH\QUESTAR\GHU19RHZ\19RHZ.SVY  
 Date/Time: 10-Feb-05 / 05:03  
 Curve Name: WORK

**WINSERVE SURVEY CALCULATIONS**  
*Minimum Curvature Method*  
 Vertical Section Plane 285.00  
 Vertical Section Referenced to Wellhead  
 Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	Course Length FT	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Dogleg Severity Deg/100	CLOSURE Distance FT	Direction Deg
<b>GYRO TIE IN</b>										
5100.00	1.41	147.32		5099.05	-44.91	58.73	-68.35	.00	73.93	127.40
<b>GYRO SURVEY</b>										
5147.00	11.10	250.90	47.00	5145.76	-46.88	54.76	-65.02	24.49	72.08	130.57
<b>GYRO SURVEY</b>										
5157.00	16.30	255.60	10.00	5155.47	-47.55	52.48	-63.00	53.14	70.82	132.18
5167.00	20.30	269.30	10.00	5164.97	-47.92	49.39	-60.11	58.49	68.81	134.14
5177.00	24.20	274.90	10.00	5174.22	-47.76	45.81	-56.42	44.35	66.04	136.32
5187.00	28.40	280.00	10.00	5183.19	-47.18	41.22	-52.03	47.66	62.65	138.85
5197.00	32.70	284.50	10.00	5191.80	-46.09	36.28	-46.95	48.68	58.64	141.80
5207.00	36.80	288.80	10.00	5200.02	-44.44	30.81	-41.28	47.75	54.08	145.27
5217.00	41.40	291.60	10.00	5207.77	-42.26	24.89	-34.98	49.26	49.05	149.50
5227.00	45.30	294.30	10.00	5215.05	-39.58	18.58	-28.19	43.17	43.72	154.86
5237.00	49.70	295.50	10.00	5221.80	-36.47	11.89	-20.93	44.88	38.36	161.94
5247.00	54.60	297.50	10.00	5227.94	-32.95	4.84	-13.20	50.52	33.30	171.65
5257.00	59.50	296.30	10.00	5233.39	-29.16	-2.64	-5.00	51.00	29.28	185.18
5273.00	66.00	296.60	16.00	5240.71	-22.94	-15.43	8.96	40.81	27.64	213.92
5283.00	68.20	294.40	10.00	5244.60	-19.05	-23.77	18.03	24.62	30.46	231.30



Job Number: WYL0208DH017  
 Company: Questar  
 Lease/Well: GHU 19 RHZ  
 Location: Sec 20,T8S,R21E  
 Rig Name: Patterson 52  
 RKB:   
 G.L. or M.S.L.:

State/Country: Utah,Uintah  
 Declination: 12.24122  
 Grid: -0.98  
 File name: C:\JOBS\UTAH\QUESTAR\GHU19RHZ19RHZ.SVY  
 Date/Time: 11-Feb-05 / 04:43  
 Curve Name: WORK

**WINSERVE SURVEY CALCULATIONS**  
*Minimum Curvature Method*  
*Vertical Section Plane 285.00*  
*Vertical Section Referenced to Wellhead*  
*Rectangular Coordinates Referenced to Wellhead*

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	Course Length FT	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Dogleg Severity Deg/100	CLOSURE Distance FT	Direction Deg
5197.00	32.70	284.50	10.00	5191.80	-46.09	36.26	-46.95	48.68	58.64	141.80
5207.00	36.80	288.80	10.00	5200.02	-44.44	30.81	-41.26	47.75	54.08	145.27
5217.00	41.40	291.60	10.00	5207.77	-42.28	24.89	-34.98	49.26	49.05	149.50
5227.00	45.30	294.30	10.00	5215.05	-39.58	18.58	-28.19	43.17	43.72	154.86
5237.00	49.70	295.50	10.00	5221.80	-36.47	11.89	-20.93	44.88	38.36	161.94
5247.00	54.50	297.50	10.00	5227.94	-32.95	4.84	-13.20	50.52	33.30	171.65
5257.00	59.50	296.30	10.00	5233.39	-29.16	-2.64	-5.00	51.00	29.28	185.18
5273.00	66.00	295.60	16.00	5240.71	-22.94	-15.43	8.96	40.81	27.64	213.92
<b>1.83 MTR</b>										
5283.00	68.20	294.40	10.00	5244.60	-19.05	-23.77	18.03	24.62	30.46	231.30
5293.00	69.90	292.80	10.00	5248.17	-15.31	-32.33	27.27	22.63	35.77	244.66
5303.00	71.60	291.70	10.00	5251.47	-11.74	-41.07	36.63	19.92	42.71	254.05
5313.00	73.70	290.90	10.00	5254.45	-8.27	-49.96	46.12	22.35	50.64	260.60
5329.00	75.30	290.10	16.00	5258.73	-2.87	-64.40	61.47	11.10	64.47	267.46
5339.00	75.40	290.30	10.00	5261.26	47	-73.48	71.10	2.18	73.48	270.37
5349.00	75.30	290.10	10.00	5263.79	3.81	-82.66	80.74	2.18	82.65	272.64
5359.00	75.40	290.40	10.00	5266.32	7.16	-91.64	90.37	3.07	91.92	274.47
5369.00	75.00	290.60	10.00	5268.87	10.55	-100.70	99.99	4.44	101.25	275.98
5379.00	74.60	290.00	10.00	5271.49	13.89	-109.75	109.60	7.04	110.62	277.21
5395.00	75.90	289.60	16.00	5275.57	19.13	-124.30	125.02	8.48	125.77	278.75
5405.00	78.10	289.10	10.00	5277.82	22.35	-133.50	134.74	22.53	135.36	279.51



**Weatherford**  
*Energy* International Services

Job Number: WYL0205DH017

Company: Questar

Lease/Well: GHU 19 RHZ

Location: Sec 20, T8S, R21E

Rig Name: Patterson 82

RKB: G.L. or M.S.L.: 

State/Country: Utah, United

Declination: 12.24122

Grid: -0.96

File name: C:\JOBS\UTAH\QUESTAR\GHU19RHZ19RHZ.SVY

Date/Time: 13-Feb-05 / 05:14

Curve Name: WORK

**WINSERVE SURVEY CALCULATIONS**  
*Minimum Curvature Method*  
*Vertical Section Plane 285.00*  
*Vertical Section Referenced to Wellhead*  
*Rectangular Coordinates Referenced to Wellhead*

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	Course Length FT	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Dogleg Severity Deg/100	CLOSURE Distance FT	Direction Deg
5349.00	76.30	290.10	10.00	5283.79	3.81	-82.56	80.74	2.18	82.65	272.84
5359.00	75.40	290.40	10.00	5286.32	7.16	-91.64	90.37	3.07	91.92	274.47
5369.00	75.00	290.60	10.00	5288.87	10.55	-100.70	99.99	4.44	101.25	275.98
5379.00	74.60	290.00	10.00	5271.49	13.89	-109.75	109.80	7.04	110.62	277.21
5395.00	75.90	289.60	16.00	5275.57	19.13	-124.30	125.02	8.48	125.77	278.75
5405.00	78.10	289.10	10.00	5277.82	22.36	-133.50	134.74	22.53	135.36	279.51
5415.00	80.30	288.30	10.00	5279.69	25.51	-142.80	144.54	23.36	145.06	280.13
5425.00	82.40	287.50	10.00	5281.19	28.55	-152.21	154.41	22.44	154.86	280.62
5441.00	84.40	286.90	16.00	5283.03	33.25	-167.39	170.29	13.04	170.66	281.23
5451.00	83.00	287.60	10.00	5284.13	36.20	-176.88	180.22	15.83	180.55	281.57
5481.00	81.80	287.60	10.00	5285.45	39.19	-186.33	190.13	12.00	190.41	281.88
5471.00	81.60	287.50	10.00	5286.90	42.18	-195.76	200.01	2.23	200.26	282.16
5481.00	82.50	286.80	10.00	5288.28	45.10	-205.23	209.91	11.36	210.12	282.39
5491.00	84.40	286.00	10.00	5289.42	47.90	-214.76	219.84	20.60	220.04	282.57
5501.00	86.60	285.40	10.00	5290.20	50.60	-224.35	229.81	22.80	229.99	282.71
5512.00	88.40	285.40	11.00	5290.68	53.52	-234.95	240.80	18.36	240.97	282.83
5522.00	88.60	285.10	10.00	5290.95	56.15	-244.59	250.79	3.80	250.96	282.93
5532.00	87.90	285.60	10.00	5291.25	58.79	-254.23	260.79	8.60	260.94	283.02
5542.00	86.30	285.30	10.00	5291.76	61.45	-263.86	270.77	16.28	270.92	283.11
5572.00	88.00	284.80	30.00	5293.77	69.23	-292.76	300.71	1.94	300.84	283.30
5803.00	86.40	284.60	31.00	5295.83	77.08	-322.88	331.64	1.44	331.76	283.43
5833.00	86.00	283.90	30.00	5297.81	84.44	-351.70	361.57	2.68	361.69	283.50
5884.00	89.50	284.00	31.00	5299.03	91.91	-381.75	392.53	11.29	392.66	283.54
5695.00	90.10	284.20	31.00	5299.14	99.46	-411.82	423.53	2.04	423.66	283.58



Job Number: WYL0206DH017  
 Company: Questar  
 Lease/Well: GHU 18 RHZ  
 Location: Sec 20, T8S, R21E  
 Rig Name: Peterson 52  
 RKB:   
 G.L. or M.S.L.:

State/Country: Utah, Uintah  
 Declination: 12.24122  
 Grid: -0.96  
 File name: C:\JOBS\UTAH\QUESTAR\2006GH-118RHZ.BVY  
 Date/Time: 14-Feb-05 / 04:47  
 Curve Name: WORK

**WINSERVE SURVEY CALCULATIONS**  
 Minimum Curvature Method  
 Vertical Section Plane 285.00  
 Vertical Section Referenced to Wellhead  
 Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	Course Length FT	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Dogleg Severity Deg/100	CLOSURE Distance FT	Direction Deg
5491.00	84.40	286.00	10.00	5289.42	47.90	-214.76	219.84	20.60	220.04	282.57
5501.00	86.60	285.40	10.00	5290.20	50.60	-224.35	229.81	22.80	229.99	282.71
5512.00	88.40	285.40	11.00	5290.68	53.52	-234.95	240.80	16.36	240.97	282.83
5522.00	88.60	285.10	10.00	5290.95	56.15	-244.59	250.79	3.60	250.96	282.93
5532.00	87.90	285.60	10.00	5291.25	58.79	-254.23	260.79	8.60	260.94	283.02
5542.00	86.30	285.30	10.00	5291.76	61.45	-263.86	270.77	16.28	270.92	283.11
5572.00	86.00	284.80	30.00	5293.77	69.23	-292.76	300.71	1.94	300.84	283.30
5603.00	86.40	284.60	31.00	5295.83	77.08	-322.68	331.64	1.44	331.76	283.43
5633.00	86.00	283.90	30.00	5297.81	84.44	-351.70	361.57	2.68	361.69	283.50
5664.00	89.50	284.00	31.00	5298.03	91.91	-381.75	392.53	11.29	392.66	283.54
5695.00	90.10	284.20	31.00	5299.14	99.46	-411.82	423.53	2.04	423.66	283.58
5727.00	91.50	283.70	32.00	5298.69	107.18	-442.87	455.52	4.65	455.66	283.60
5759.00	88.60	283.70	32.00	5298.66	114.75	-473.96	487.51	8.06	487.65	283.61
5790.00	88.60	283.80	31.00	5299.42	122.12	-504.06	518.49	.32	518.64	283.62
5822.00	87.70	283.70	32.00	5300.46	129.72	-535.13	550.47	2.83	550.63	283.63
5854.00	87.70	283.70	32.00	5301.74	137.29	-566.19	582.43	.00	582.60	283.63
5886.00	88.70	284.40	32.00	5302.74	145.06	-597.22	614.41	3.81	614.58	283.65
5918.00	89.40	284.50	32.00	5303.28	153.04	-628.20	646.41	2.21	646.58	283.69
5949.00	89.90	284.70	31.00	5303.46	160.66	-658.20	677.41	1.74	677.57	283.73
5981.00	90.30	284.40	32.00	5303.41	168.90	-689.17	709.40	1.56	709.57	283.77



Job Number: WYL0205DM017  
 Company: Questar  
 Lease/Well: GHU 19 RHZ  
 Location: Sec 20,T8S,R21E  
 Rig Name: Patterson 52  
 RKB:   
 G.L. or M.S.L.:

State/Country: Utah,Uintah  
 Declination: 12.24122  
 Grid: -0.96  
 File name: C:\JOBS\UTAH\QUESTAR\GHU19R21E\GHU19RHZ.SVY  
 Date/Time: 12-Feb-05 / 05:41  
 Curve Name: WORK

**WINSERVE SURVEY CALCULATIONS**  
*Minimum Curvature Method*  
 Vertical Section Plane 285.00  
 Vertical Section Referenced to Wellhead  
 Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	Course Length FT	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Dogleg Severity Deg/100	CLOSURE Distance FT	Direction Deg
5369.00	75.00	290.60	10.00	5268.87	10.55	-100.70	99.99	4.44	101.25	275.98
5379.00	74.60	290.00	10.00	5271.49	13.89	-109.75	109.60	7.04	110.62	277.21
5395.00	75.90	289.60	16.00	5275.57	19.13	-124.30	125.02	8.48	125.77	278.75
5405.00	78.10	289.10	10.00	5277.82	22.36	-133.50	134.74	22.53	135.36	279.51
5415.00	80.30	288.30	10.00	5279.69	25.51	-142.80	144.54	23.36	145.06	280.13
5425.00	82.40	287.50	10.00	5281.19	28.55	-152.21	154.41	22.44	154.86	280.62
5441.00	84.40	286.90	16.00	5283.03	33.25	-167.39	170.29	13.04	170.66	281.23
5451.00	83.00	287.60	10.00	5284.13	36.20	-176.88	180.22	15.63	180.55	281.57
5461.00	81.80	287.80	10.00	5285.45	39.19	-186.33	190.13	12.00	190.41	281.88
5471.00	81.60	287.50	10.00	5286.90	42.18	-195.76	200.01	2.23	200.26	282.16
5481.00	82.50	286.80	10.00	5288.28	45.10	-205.23	209.91	11.36	210.12	282.39
5491.00	84.40	286.00	10.00	5289.42	47.90	-214.76	219.84	20.60	220.04	282.57
5501.00	86.60	285.40	10.00	5290.20	50.60	-224.35	229.81	22.80	229.99	282.71
5512.00	88.40	285.40	11.00	5290.68	53.52	-234.95	240.80	16.36	240.97	282.83
5522.00	88.60	285.10	10.00	5290.95	56.15	-244.59	250.79	3.60	250.96	282.93
5532.00	87.90	285.60	10.00	5291.25	58.79	-254.23	260.79	8.60	260.94	283.02

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5359.00	75.40	290.40	10.00	5266.32	7.16	-91.64	90.37	3.07	91.92	274.47
5369.00	75.00	290.60	10.00	5268.87	10.55	-100.70	99.99	4.44	101.25	275.98
5379.00	74.60	290.00	10.00	5271.49	13.89	-109.75	109.60	7.04	110.62	277.21
5395.00	75.90	289.60	16.00	5275.57	19.13	-124.30	125.02	8.48	125.77	278.75
5405.00	78.10	289.10	10.00	5277.82	22.36	-133.50	134.74	22.53	135.36	279.51



**Weatherford**  
SOLVING ENERGY CHALLENGES

Job Number: WYL0206DH017  
 Company: Questar  
 Lease/Well: GHU 18 RHZ  
 Location: Sec 20, T8S, R21E  
 Rig Name: Patterson 52  
 RKB:   
 G.L. or M.S.L.:

State/Country: Utah, United States  
 Declination: 12.24122  
 Grid: -0.86  
 File name: C:\JOBS\UTAH\QUESTAR\2005GH-1119RHZ.SVY  
 Date/Time: 14-Feb-05 / 04:47  
 Curve Name: WORK

**WINSERVE SURVEY CALCULATIONS**  
 Minimum Curvature Method  
 Vertical Section Plane 285.00  
 Vertical Section Referenced to Wellhead  
 Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	Course Length FT	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Dogleg Severity Deg/100	CLOSURE Distance FT	Direction Deg
5491.00	84.40	286.00	10.00	5289.42	47.90	-214.76	219.84	20.80	220.04	282.57
5501.00	86.60	285.40	10.00	5290.20	50.60	-224.35	229.81	22.80	229.99	282.71
5512.00	88.40	285.40	11.00	5290.68	53.52	-234.95	240.80	16.36	240.97	282.83
5522.00	88.60	285.10	10.00	5290.95	56.15	-244.59	250.79	3.60	250.96	282.93
5532.00	87.90	285.80	10.00	5291.25	58.79	-254.23	260.79	8.60	260.94	283.02
5542.00	86.30	285.30	10.00	5291.76	61.45	-263.86	270.77	16.28	270.92	283.11
5572.00	86.00	284.80	30.00	5293.77	69.23	-292.76	300.71	1.94	300.84	283.30
5603.00	86.40	284.60	31.00	5295.83	77.08	-322.68	331.64	1.44	331.76	283.43
5633.00	86.00	283.90	30.00	5297.81	84.44	-351.70	361.57	2.68	361.69	283.50
5664.00	89.50	284.00	31.00	5298.03	91.91	-381.75	392.53	11.29	392.66	283.54
5695.00	90.10	284.20	31.00	5299.14	99.46	-411.82	423.53	2.04	423.66	283.58
5727.00	91.50	283.70	32.00	5298.69	107.18	-442.87	455.52	4.86	455.66	283.60
5759.00	88.60	283.70	32.00	5298.68	114.75	-473.96	487.51	9.06	487.65	283.61
5790.00	88.60	283.80	31.00	5298.42	122.12	-504.06	518.49	.32	518.64	283.62
5822.00	87.70	283.70	32.00	5300.46	129.72	-535.13	560.47	2.83	550.63	283.63
5854.00	87.70	283.70	32.00	5301.74	137.29	-566.19	582.43	.00	582.60	283.83
5886.00	88.70	284.40	32.00	5302.74	145.06	-597.22	614.41	3.81	614.58	283.65
5918.00	89.40	284.50	32.00	5303.28	153.04	-628.20	646.41	2.21	646.58	283.69
5949.00	89.90	284.70	31.00	5303.46	160.86	-658.20	677.41	1.74	677.57	283.73
5981.00	90.30	284.40	32.00	5303.41	168.90	-689.17	709.40	1.56	709.57	283.77

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WINSERVE SURVEYING & MINING



Job Number: WYL8208DH017 Company: Questar Lease/Well: GHU 19 RHZ Location: Sec 20, T8S, R21E Rig Name: Patterson 62 RKB: <input type="checkbox"/> G.L. or M.S.L.: <input type="checkbox"/>	State/Country: Utah, Uintah Declination: 12.24122 Grid: -0.96 File name: C:\JOBS\UTAH\QUESTAR\2005GH-1119RHZ.SVY Date/Time: 15-Feb-05 / 08:28 Curve Name: WORK
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**WINSERVE SURVEY CALCULATIONS**  
*Minimum Curvature Method*  
*Vertical Section Plane 285.00*  
*Vertical Section Referenced to Wellhead*  
*Rectangular Coordinates Referenced to Wellhead*

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	Course Length FT	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Dogleg Severity Deg/100	CLOSURE Distance Direction FT Deg	
5727.00	91.50	283.70	32.00	5298.69	107.18	-442.87	455.52	4.66	455.66	283.60
5759.00	88.60	283.70	32.00	5298.66	114.75	-473.96	487.51	9.06	487.65	283.61
5790.00	88.60	283.80	31.00	5289.42	122.12	-504.06	518.49	.32	518.64	283.62
5822.00	87.70	283.70	32.00	5300.48	129.72	-535.13	550.47	2.83	550.63	283.63
5854.00	87.70	283.70	32.00	5301.74	137.29	-566.19	582.43	.00	582.60	283.63
5886.00	88.70	284.40	32.00	5302.74	145.06	-597.22	614.41	3.81	614.58	283.65
5918.00	89.40	284.50	32.00	5303.28	153.04	-628.20	646.41	2.21	646.58	283.69
5949.00	89.90	284.70	31.00	5303.46	160.86	-658.20	677.41	1.74	677.57	283.73
5981.00	90.30	284.40	32.00	5303.41	168.90	-688.17	709.40	1.56	709.57	283.77
6013.00	89.20	284.10	32.00	5303.65	176.77	-720.19	741.40	3.56	741.57	283.79
6045.00	89.10	283.70	32.00	5304.02	184.46	-751.25	773.39	1.29	773.56	283.80
6075.00	88.90	283.90	30.00	5304.55	191.81	-780.38	803.36	.94	803.56	283.80
6107.00	88.00	284.00	32.00	5305.41	199.33	-811.42	835.36	2.83	835.55	283.80
6139.00	87.70	283.70	32.00	5306.61	206.98	-842.47	867.33	1.33	867.52	283.80
6170.00	88.20	283.50	31.00	5307.72	214.26	-872.68	898.30	1.74	898.50	283.80
6202.00	89.50	283.80	32.00	5308.36	221.76	-903.68	930.29	4.07	930.50	283.79
6234.00	89.40	282.90	32.00	5308.67	229.09	-934.83	962.27	2.21	962.49	283.77
6266.00	89.80	282.90	32.00	5308.89	236.24	-966.02	994.25	1.25	994.49	283.74
6297.00	87.90	282.50	31.00	5309.52	243.06	-996.26	1025.22	6.26	1025.47	283.71
6329.00	86.30	282.40	32.00	5311.14	249.84	-1027.46	1057.14	5.01	1057.43	283.67

6234.00	89.40	282.90	32.00	5308.67	229.09	-934.83	962.27	2.21	962.49	283.77
6266.00	89.80	282.90	32.00	5308.89	236.24	-966.02	994.25	1.25	994.49	283.74
6297.00	87.90	282.50	31.00	5309.52	243.06	-996.26	1025.22	6.26	1025.47	283.71
6329.00	86.30	282.40	32.00	5311.14	249.84	-1027.46	1057.14	5.01	1057.43	283.67
6361.00	87.30	282.40	32.00	5312.92	256.80	-1058.67	1089.08	3.13	1089.37	283.63
6392.00	87.20	282.90	31.00	5314.41	263.58	-1088.88	1120.00	1.84	1120.33	283.61
6424.00	88.40	283.70	32.00	5316.64	270.94	-1120.00	1151.96	4.51	1152.30	283.60
6456.00	89.60	283.70	32.00	5316.20	278.52	-1151.08	1183.94	3.75	1184.30	283.60



**Weatherford**  
*Services*

Job Number: WYL0206DH017  
 Company: Questar  
 Lease/Well: GHU 19 RHZ  
 Location: Sec 20,T8S,R21E  
 Rig Name: Patterson 52  
 RKB:   
 G.L. of M.S.L.:

State/Country: Utah,Uintah  
 Declination: 12.24122  
 Grid: -0.96  
 File name: C:\JOBS\UTAH\QUESTAR\2006GH-1119RHZ.BVY  
 Date/Time: 19-Feb-05 / 06:25  
 Curve Name: WORK

**WINSERVE SURVEY CALCULATIONS**  
 Minimum Curvature Method  
 Vertical Section Plane 285.00  
 Vertical Section Referenced to Wellhead  
 Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	Course Length FT	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Dogleg Severity Deg/100	CLOSURE Distance FT	Direction Deg
6677.00	88.40	282.90	31.00	5320.25	329.60	-1366.00	1404.76	2.60	1405.20	283.57
6709.00	89.80	282.80	32.00	5320.75	336.72	-1397.19	1436.73	4.39	1437.19	283.55
6741.00	89.50	282.60	32.00	5320.94	343.75	-1428.41	1468.71	1.13	1469.19	283.53
6772.00	89.40	282.30	31.00	5321.24	350.43	-1458.88	1499.67	1.02	1500.18	283.51
6803.00	88.90	281.70	31.00	5321.70	356.88	-1489.00	1530.63	2.52	1531.17	283.48
6833.00	89.80	281.80	30.00	5322.04	362.99	-1518.37	1560.58	3.02	1561.16	283.45
6865.00	89.80	281.70	32.00	5322.15	369.50	-1549.70	1592.53	.31	1593.14	283.41
6884.00	89.70	284.60	19.00	5322.24	373.83	-1568.19	1611.51	15.27	1612.14	283.41
6915.00	88.60	284.00	31.00	5322.70	381.48	-1598.23	1642.51	4.04	1643.13	283.42
6947.00	89.80	284.80	32.00	5323.14	389.44	-1629.22	1674.50	4.51	1675.12	283.44

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Job Number: WYL0206DH017  
 Company: Questar  
 Lease/Well: GHU 19 RHZ  
 Location: Sec 20, T8S, R21E  
 Rig Name: Patterson 52  
 RKB:   
 G.L. or M.S.L.:

State/Country: Utah, Uintah  
 Declination: 12.24122  
 Grid: -0.96  
 File name: C:\JOBS\UTAH\QUESTAR\2005GH-1119RHZ.SVY  
 Date/Time: 20-Feb-05 / 04:50  
 Curve Name: WORK

**WINSERVE SURVEY CALCULATIONS**  
*Minimum Curvature Method*  
*Vertical Section Plane 285.00*  
*Vertical Section Referenced to Wellhead*  
*Rectangular Coordinates Referenced to Wellhead*

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	Course Length FT	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Dogleg Severity Deg/100	CLOSURE Distance FT	Direction Deg
6741.00	89.50	282.60	32.00	5320.94	343.75	-1428.41	1468.71	1.13	1469.19	283.53
6772.00	89.40	282.30	31.00	5321.24	350.43	-1458.68	1499.67	1.02	1500.18	283.51
6803.00	88.90	281.70	31.00	5321.70	356.88	-1489.00	1530.63	2.52	1531.17	283.48
6833.00	89.80	281.80	30.00	5322.04	362.99	-1518.37	1560.58	3.02	1561.15	283.45
6865.00	89.80	281.70	32.00	5322.15	369.50	-1549.70	1592.53	.31	1593.14	283.41
6884.00	89.70	284.80	19.00	5322.24	373.83	-1588.19	1611.51	15.27	1612.14	283.41
6915.00	88.60	284.00	31.00	5322.70	381.48	-1598.23	1642.51	4.04	1643.13	283.42
6947.00	89.80	284.80	32.00	5323.14	389.44	-1629.22	1674.50	4.51	1675.12	283.44
6978.00	87.50	283.70	31.00	5323.87	397.07	-1659.26	1705.49	8.22	1706.10	283.46
7009.00	87.00	283.80	31.00	5325.36	404.37	-1689.35	1736.44	1.64	1737.07	283.46

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Job Number: WYL0206DH017  
 Company: Questar  
 Lease/Well: GHJ 19 RHZ  
 Location: Sec 20,T8S,R21E  
 Rig Name: Patterson 52  
 RKB:   
 G.L. or M.S.L.:

State/Country: Utah,Uintah  
 Declination: 12.24122  
 Grid: -0.96  
 File name: C:\JOBS\UTAH\QUESTAR\2005GH-1119RHZ.SVY  
 Date/Time: 21-Feb-05 / 08:40  
 Curve Name: WORK

WINSERVE SURVEY CALCULATIONS  
 Minimum Curvature Method  
 Vertical Section Plane 285.00  
 Vertical Section Referenced to Wellhead  
 Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	Course Length FT	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Dogleg Severity Deg/100	CLOSURE Distance FT	Direction Deg
6803.00	88.90	281.70	31.00	5321.70	356.88	-1489.00	1530.63	2.52	1531.17	283.48
6833.00	89.80	281.80	30.00	5322.04	362.99	-1518.37	1560.58	3.02	1561.15	283.45
6865.00	89.80	281.70	32.00	5322.15	369.50	-1549.70	1592.53	.31	1593.14	283.41
6884.00	89.70	284.60	19.00	5322.24	373.83	-1568.19	1611.51	15.27	1612.14	283.41
6915.00	88.60	284.00	31.00	5322.70	381.48	-1598.23	1642.51	4.04	1643.13	283.42
6947.00	89.80	284.80	32.00	5323.14	389.44	-1629.22	1674.50	4.51	1675.12	283.44
6978.00	87.50	283.70	31.00	5323.87	397.07	-1659.26	1705.49	8.22	1706.10	283.46
7009.00	87.00	283.60	31.00	5325.36	404.37	-1689.35	1736.44	1.64	1737.07	283.46
7041.00	87.40	283.30	32.00	5326.92	411.81	-1720.43	1768.39	1.56	1769.03	283.46
7073.00	87.80	283.00	32.00	5328.32	419.08	-1751.56	1800.35	1.13	1801.00	283.46

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Job Number: WYL0205DH017  
 Company: Questar  
 Lease/Well: GHU 19 RHZ  
 Location: Sec 20,T8S,R21E  
 Rig Name: Patterson 52  
 RKB:   
 G.L. or M.S.L.:

State/Country: Utah,Uintah  
 Declination: 12.24122  
 Ghd: -0.96  
 File name: C:\JOBS\UTAH\QUESTAR\2005GH-1119RHZ.SVY  
 Date/Time: 22-Feb-05 / 04:57  
 Curve Name: WORK

**WINSERVE SURVEY CALCULATIONS**  
*Minimum Curvature Method*  
*Vertical Section Plane 285.00*  
*Vertical Section Referenced to Wellhead*  
*Rectangular Coordinates Referenced to Wellhead*

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	Course Length FT	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Dogleg Severity Deg/100	CLOSURE Distance Direction FT Deg	
6915.00	88.60	284.00	31.00	5322.70	381.48	-1598.23	1642.51	4.04	1643.13	283.42
6947.00	89.80	284.80	32.00	5323.14	389.44	-1629.22	1674.50	4.51	1675.12	283.44
6978.00	87.50	283.70	31.00	5323.87	397.07	-1659.26	1705.49	8.22	1706.10	283.46
7009.00	87.00	283.60	31.00	5325.36	404.37	-1689.35	1736.44	1.64	1737.07	283.46
7041.00	87.40	283.30	32.00	5326.92	411.81	-1720.43	1768.39	1.56	1769.03	283.46
7073.00	87.60	283.00	32.00	5328.32	419.08	-1751.56	1800.35	1.13	1801.00	283.46
7105.00	88.70	283.40	32.00	5329.35	426.38	-1782.70	1832.31	3.66	1832.98	283.45
7136.00	90.80	284.20	31.00	5329.49	433.78	-1812.80	1863.30	7.25	1863.98	283.46
7167.00	91.20	283.80	31.00	5328.95	441.28	-1842.88	1894.29	1.82	1894.97	283.47
7199.00	91.10	283.30	32.00	5328.31	448.77	-1873.98	1926.28	1.59	1926.97	283.47

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**Weatherford**  
*Services*

Job Number: WYL0205DH017  
 Company: Questar  
 Lease/Well: GHU 19 RHZ  
 Location: Sec 20,T8S,R21E  
 Rig Name: Patterson 52  
 RKB:   
 G.L. or M.S.L.:

State/Country: Utah,Utah  
 Declination: 12.24122  
 Grid: -0.96  
 File name: C:\JOBS\UTAH\QUESTAR\2005GH-1119RHZ.SVY  
 Date/Time: 23-Feb-05 / 04:31  
 Curve Name: WORK

**WINSERVE SURVEY CALCULATIONS**  
 Minimum Curvature Method  
 Vertical Section Plane 285.00  
 Vertical Section Referenced to Wellhead  
 Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	Course Length FT	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Dogleg Severity Deg/100	CLOSURE Distance FT	Direction Deg
7136.00	90.80	284.20	31.00	5329.49	433.78	-1812.80	1863.30	7.25	1883.98	283.46
7167.00	91.20	283.80	31.00	5328.95	441.28	-1842.88	1894.29	1.82	1894.97	283.47
7199.00	91.10	283.30	32.00	5328.31	448.77	-1873.98	1926.28	1.59	1926.97	283.47
7230.00	90.40	283.00	31.00	5327.90	455.82	-1904.16	1957.26	2.46	1957.96	283.46
7262.00	87.50	283.20	32.00	5328.49	463.08	-1935.32	1889.23	9.08	1989.95	283.46
7294.00	86.20	282.60	32.00	5330.24	470.21	-1966.47	2021.16	4.47	2021.90	283.45
7325.00	86.50	282.70	31.00	5332.22	476.98	-1996.65	2052.07	1.02	2052.84	283.44
7357.00	88.50	283.00	32.00	5333.61	484.09	-2027.82	2084.02	6.32	2084.80	283.43
7388.00	90.10	283.70	31.00	5333.99	491.25	-2057.98	2115.00	5.63	2115.80	283.43
7420.00	90.10	283.30	32.00	5333.84	498.72	-2089.10	2146.99	1.25	2147.80	283.43

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Job Number: WYL0205DH017  
 Company: Questar  
 Lease/Well: GHU 19 RHZ  
 Location: Sec 20,T8S,R21E  
 Rig Name: Patterson 52  
 RKB:   
 G.L. or M.S.L.:

State/Country: Utah,Uintah  
 Declination: 12.24122  
 Grid: -0.86  
 File name: C:\JOSS\UTAH\QUESTAR\2005GH-1119RHZ.SVY  
 Date/Time: 24-Feb-05 / 05:38  
 Curve Name: WORK

**WINSERVE SURVEY CALCULATIONS**  
*Minimum Curvature Method*  
 Vertical Section Plane 285.00  
 Vertical Section Referenced to Wellhead  
 Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	Course Length FT	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Dogleg Severity Deg/100	CLOSURE Distance FT	Direction Deg
7167.00	91.20	283.80	31.00	5328.95	441.28	-1842.88	1894.29	1.82	1894.97	283.47
7199.00	91.10	283.30	32.00	5328.31	448.77	-1873.98	1928.28	1.59	1926.97	283.47
7230.00	90.40	283.00	31.00	5327.90	455.82	-1904.16	1957.26	2.46	1957.96	283.46
7262.00	87.50	283.20	32.00	5328.49	463.08	-1935.32	1989.23	9.08	1989.95	283.46
7294.00	86.20	282.60	32.00	5330.24	470.21	-1966.47	2021.16	4.47	2021.90	283.46
7325.00	86.50	282.70	31.00	5332.22	476.98	-1996.65	2052.07	1.02	2052.84	283.44
7357.00	88.50	283.00	32.00	5333.61	484.09	-2027.82	2084.02	6.32	2084.80	283.43
7388.00	90.10	283.70	31.00	5333.99	491.25	-2057.98	2115.00	5.63	2115.80	283.43
7420.00	90.10	283.30	32.00	5333.94	498.72	-2089.10	2146.99	1.25	2147.80	283.43
7452.00	89.80	282.70	32.00	5333.96	505.92	-2120.28	2178.97	2.10	2179.80	283.42
7483.00	89.70	282.70	31.00	5334.10	512.73	-2150.52	2209.95	.32	2210.80	283.41
7515.00	89.50	282.00	32.00	5334.32	519.58	-2181.78	2241.91	2.27	2242.79	283.40
7545.00	88.80	281.80	30.00	5334.77	526.76	-2211.13	2271.86	2.43	2272.78	283.38
7577.00	88.10	281.00	32.00	5335.63	532.09	-2242.48	2303.79	3.32	2304.75	283.35
7608.00	88.70	280.90	31.00	5336.50	537.97	-2272.91	2334.70	1.96	2335.71	283.32
7640.00	89.40	280.80	32.00	5337.03	544.00	-2304.33	2366.61	2.21	2367.67	283.28
7672.00	88.20	280.50	32.00	5337.70	549.91	-2335.77	2398.51	3.87	2399.63	283.25
7703.00	88.50	280.80	31.00	5338.59	555.63	-2366.23	2429.41	1.37	2430.59	283.21
7735.00	88.90	280.40	32.00	5339.32	561.52	-2397.67	2461.30	1.77	2462.55	283.18
7767.00	89.10	279.90	32.00	5339.88	567.16	-2429.17	2493.18	1.68	2494.50	283.14

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**Weatherford**

*Safety*

Job Number: WYL0208DH017  
 Company: Quecator  
 Lease/Well: GNU 19 RHZ  
 Location: Sec 20,T8S,R21E  
 Rig Name: Patterson 52  
 RKB: U  
 G.L. or M.S.L.: U

State/Country: Utah,Utah  
 Declination: 12.24122  
 Grid: -0.96  
 File name: C:\JOBS\UTAH\QUESTAR\2005GH-1\19RHZ.SVY  
 Date/Time: 25-Feb-05 / 04:38  
 Curve Name: WORK

**WINSERVE SURVEY CALCULATIONS**  
 Minimum Curvature Method  
 Vertical Section Plane 285.00  
 Vertical Section Referenced to Wellhead  
 Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	Course Length FT	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Dogleg Severity Deg/100	CLOSURE Distance FT	Direction Deg
7483.00	89.70	282.70	31.00	5334.10	512.73	-2150.52	2209.95	.32	2210.80	283.41
7515.00	89.50	282.00	32.00	5334.32	519.68	-2181.78	2241.91	2.27	2242.79	283.40
7545.00	88.80	281.80	30.00	5334.77	525.76	-2211.13	2271.86	2.43	2272.78	283.38
7577.00	88.10	281.00	32.00	5335.83	532.09	-2242.48	2303.79	3.32	2304.75	283.35
7608.00	88.70	280.90	31.00	5336.50	537.97	-2272.91	2334.70	1.96	2335.71	283.32
7640.00	89.40	280.80	32.00	5337.03	544.00	-2304.33	2366.61	2.21	2367.67	283.28
7672.00	88.20	280.50	32.00	5337.70	549.91	-2335.77	2398.51	3.87	2399.63	283.25
7703.00	88.50	280.80	31.00	5338.59	555.63	-2366.23	2429.41	1.37	2430.59	283.21
7735.00	88.90	280.40	32.00	5339.32	661.52	-2397.67	2461.30	1.77	2482.55	283.18
7767.00	89.10	279.90	32.00	5339.88	667.16	-2429.17	2493.18	1.68	2494.50	283.14
7798.00	89.00	279.90	31.00	5340.39	572.49	-2459.70	2524.06	.32	2525.44	283.10
7830.00	88.40	279.20	32.00	5341.12	577.79	-2491.25	2555.90	2.88	2557.37	283.06
7862.00	89.80	279.40	32.00	5341.62	582.97	-2522.82	2587.74	4.42	2589.30	283.01
7893.00	89.40	278.40	31.00	5341.84	587.76	-2553.45	2618.57	3.47	2620.22	282.96
7925.00	89.80	278.30	32.00	5342.06	592.41	-2585.11	2650.35	1.29	2652.12	282.91
7957.00	90.90	278.20	32.00	5341.86	597.00	-2616.78	2682.13	3.45	2684.01	282.85
7989.00	92.20	278.40	32.00	5341.00	601.62	-2648.43	2713.90	4.11	2715.90	282.80
8020.00	88.80	278.60	31.00	5340.73	606.20	-2679.08	2744.69	10.99	2746.81	282.75
8052.00	87.00	277.60	32.00	5341.90	610.70	-2710.74	2776.44	6.43	2778.68	282.70
8084.00	88.20	277.50	32.00	5343.24	614.91	-2742.43	2808.14	3.76	2810.53	282.64

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Measured Depth FT	Incl Angle Deg	Drift Direction Deg	Course Length FT	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Dogleg Severity Deg/100	CLOSURE	
									Distance FT	Direction Deg
7608.00	88.70	280.90	31.00	5336.50	537.97	-2272.91	2334.70	1.96	2335.71	283.32
7640.00	89.40	280.80	32.00	5337.03	544.00	-2304.33	2366.61	2.21	2367.67	283.28
7672.00	88.20	280.50	32.00	5337.70	549.91	-2335.77	2398.51	3.87	2399.63	283.25
7703.00	88.50	280.80	31.00	5338.59	555.63	-2366.23	2429.41	1.37	2430.59	283.21
7735.00	88.90	280.40	32.00	5339.32	561.52	-2397.67	2461.30	1.77	2462.55	283.18
7767.00	89.10	279.90	32.00	5339.88	567.16	-2429.17	2493.18	1.68	2494.50	283.14
7798.00	89.00	279.90	31.00	5340.39	572.49	-2459.70	2524.06	.32	2525.44	283.10
7830.00	88.40	279.20	32.00	5341.12	577.79	-2491.25	2555.90	2.88	2557.37	283.06
7862.00	89.80	279.40	32.00	5341.62	582.97	-2522.82	2587.74	4.42	2589.30	283.01
7893.00	89.40	278.40	31.00	5341.84	587.76	-2553.45	2618.57	3.47	2620.22	282.96
7925.00	89.80	278.30	32.00	5342.06	592.41	-2585.11	2650.35	1.29	2652.12	282.91
7957.00	90.90	278.20	32.00	5341.86	597.00	-2616.78	2682.13	3.45	2684.01	282.85
7989.00	92.20	278.40	32.00	5341.00	601.62	-2648.43	2713.90	4.11	2715.90	282.80
8020.00	88.80	278.60	31.00	5340.73	606.20	-2679.08	2744.69	10.99	2746.81	282.75
8052.00	87.00	277.60	32.00	5341.90	610.70	-2710.74	2776.44	6.43	2778.68	282.70
8084.00	88.20	277.50	32.00	5343.24	614.91	-2742.43	2808.14	3.76	2810.53	282.64
8114.00	88.60	277.40	30.00	5344.08	618.79	-2772.17	2837.87	1.37	2840.39	282.58
8146.00	89.70	277.60	32.00	5344.55	622.97	-2803.89	2869.59	3.49	2872.26	282.53
8178.00	90.90	278.20	32.00	5344.39	627.37	-2835.59	2901.34	4.19	2904.16	282.48
8209.00	90.30	278.00	31.00	5344.06	631.74	-2866.28	2932.11	2.04	2935.07	282.43
8241.00	89.70	277.70	32.00	5344.06	636.11	-2897.98	2963.87	2.10	2966.97	282.38
8273.00	88.50	276.30	32.00	5344.56	640.01	-2929.73	2995.55	5.76	2998.82	282.32
8295.00	88.40	276.00	22.00	5345.16	642.36	-2951.60	3017.28	1.44	3020.69	282.28
-Projection to Bit-										
8330.00	88.24	275.52	35.00	5346.18	645.87	-2986.40	3051.81	1.44	3055.45	282.20

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6170.00	88.20	283.50	31.00	5307.72	214.26	-872.58	898.30	1.74	898.50	283.80
6202.00	89.50	283.60	32.00	5308.36	221.76	-903.68	930.29	4.07	930.50	283.79
6234.00	89.40	282.90	32.00	5308.67	229.09	-934.83	962.27	2.21	962.49	283.77

**Division of Oil, Gas and Mining**  
**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. DJJ
2. CDW

Change of Operator (Well Sold)

**X - Operator Name Change/Merger**

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

**1/1/2007**

**FROM: (Old Operator):**  
 N2460-QEP Uinta Basin, Inc.  
 1050 17th St, Suite 500  
 Denver, CO 80265

**TO: ( New Operator):**  
 N5085-Questar E&P Company  
 1050 17th St, Suite 500  
 Denver, CO 80265

Phone: 1 (303) 672-6900

Phone: 1 (303) 672-6900

**CA No.**

**Unit:**

**GYPSUM HILLS UNIT**

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

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

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

**DATA ENTRY:**

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

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: ESB000024
- Indian well(s) covered by Bond Number: 799446
- (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 965003033
- The **FORMER** operator has requested a release of liability from their bond on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

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

**COMMENTS: THIS IS A COMPANY NAME CHANGE.**

**SOME WELL NAMES HAVE BEEN CHANGED AS REQUESTED**

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)  
GYPSUM HILLS 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
GYPSUM HILLS 3	GH 3	NENE	20	080S	210E	4304720002	5355	Federal	WI	A
GYPSUM HILLS 4	GH 4	SWSE	19	080S	210E	4304730028	5355	Federal	OW	P
GYPSUM HILLS 6	GH 6	NENW	20	080S	210E	4304730099	5251	Federal	WI	A
COSTAS FED 1-20-4B	GH 1-20	NESW	20	080S	210E	4304731006	5355	Federal	WI	A
WHITON FED 1-19-3C	GH 1-19	SESE	19	080S	210E	4304731065	5355	Federal	OW	P
COSTAS FED 2-20-3B	GH 2-20	NESE	20	080S	210E	4304731066	5355	Federal	WI	A
STAGECOACH FED 23-21	GH 23-21	NWSW	21	080S	210E	4304731541	5355	Federal	OW	P
COSTAS FED 3-21-1D	GH 3-21	SWNW	21	080S	210E	4304731604	5355	Federal	WI	A
COSTAS FED 4-21-1C	GH 4-21	SENE	21	080S	210E	4304731826	5355	Federal	OW	P
COSTAS FED 5-21-2C	GH 5-21	SENE	21	080S	210E	4304731827	5355	Federal	OW	P
SRU 8-I	GH 8-I	SWNE	20	080S	210E	4304731932	5355	Federal	WI	A
GYPSUM HILLS 9	GH 9	SENE	20	080S	210E	4304732304	5355	Federal	OW	P
GYPSUM HILLS 10	GH 10	NWSE	21	080S	210E	4304732306	5355	Federal	WI	A
GYPSUM HILLS 12	GH 12	NESE	19	080S	210E	4304732458	5355	Federal	WI	A
GYPSUM HILLS 11	GH 11	NWSE	20	080S	210E	4304732459	5355	Federal	OW	P
GYPSUM HILLS 13	GH 13	NESW	21	080S	210E	4304732460	5355	Federal	OW	P
GYPSUM HILLS 14	GH 13	NWSW	20	080S	210E	4304732647	5355	Federal	OW	P
GYPSUM HILLS 15	GH 15	SWSW	20	080S	210E	4304732648	5355	Federal	WI	A
GYPSUM HILLS 17	GH 17	SWSE	20	080S	210E	4304732649	5355	Federal	WI	A
GYPSUM HILLS 18	GH 18	SESE	20	080S	210E	4304732650	5355	Federal	OW	P
GYPSUM HILLS 19	GH 19	SWNW	20	080S	210E	4304732651	5355	Federal	OW	P
GYPSUM HILLS 20	GH 20	SENE	20	080S	210E	4304732652	5355	Federal	OW	P
GYPSUM HILLS 16	GH 16	SESW	20	080S	210E	4304732675	5355	Federal	OW	P
GHU 10W-19-8-21	GH 10W-19-8-21	NWSE	19	080S	210E	4304733528	12736	Federal	GW	P
GH 10G-19-8-21	GH 10G-19-8-21	NWSE	19	080S	210E	4304733566	5355	Federal	OW	P
WVFU 11W-17-8-21	WV 11W-17-8-20	NESW	17	080S	210E	4304733912	13228	Federal	GW	P
WV 5W-17-8-21	WV 5W-17-8-21	SWNW	17	080S	210E	4304733954	13332	Federal	GW	P
WV 7W-17-8-21	WV 7W-17-8-21	SWNE	17	080S	210E	4304733956	13330	Federal	GW	P
GH 9W-17-8-21	GH 9W-17-8-21	NESE	17	080S	210E	4304734150	13392	Federal	GW	P
GH 16W-17-8-21	GH 16W-17-8-21	SESE	17	080S	210E	4304734156	13354	Federal	GW	P
WV EXT 10W-17-8-21	WVX 10W-17-8-20	NWSE	17	080S	210E	4304734561	13744	Federal	GW	P
GH EXT 15W-17-8-21	GHX 15W-17-8-20	SWSE	17	080S	210E	4304734562	13674	Federal	GW	P
GYPSUM HILLS 13HG-17-8-21	GHX 13HG-17-8-21	SWSW	17	080S	210E	4304734723	5355	Federal	OW	S
GH 1G-17-8-21	GH 1G-17-8-21	NENE	17	080S	210E	4304734927	5355	Federal	OW	P
WV EXT 2W-17-8-21	WVX 2W-17-8-20	NWNE	17	080S	210E	4304734928	14253	Federal	GW	P
WV EXT 8W-17-8-21	WVX 8W-17-8-20	SENE	17	080S	210E	4304734929	13792	Federal	GW	P
GH 4MU-20-8-21	GH 4MU-20-8-21	NWNW	20	080S	210E	4304735068	14213	Federal	GW	P
GYPSUM HILLS 13MU-20-8-21	GH 13MU-20-8-20	SWSW	20	080S	210E	4304735070	14817	Federal	GW	P
GH 5W-20-8-21	GH 5W-20-8-21	SWNW	20	080S	210E	4304735097	14557	Federal	GW	P
WVX 3MU-17-8-21	WVX 3MU-17-8-21	NENW	17	080S	210E	4304735318	14113	Federal	GW	P
GH 15ML-18-8-21	GH 15ML-18-8-21	SWSE	18	080S	210E	4304735323	15483	Federal	GW	DRL

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)  
GYPSUM HILLS 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
GH 1ML-19-8-21	GH 1ML-19-8-21	NENE	19	080S	210E	4304735324	14824	Federal	GW	P
GH 16W-19-8-21	GH 16W-19-8-21	SESE	19	080S	210E	4304735325	14823	Federal	GW	DRL
WVX 14MU-17-8-21	WVX 14MU-17-8-21	SESW	17	080S	210E	4304735369	14098	Federal	GW	P
WVX 12MU-17-8-21	WVX 12MU-17-8-21	NWSW	17	080S	210E	4304735370	15108	Federal	GW	P
WVX 8MU-19-8-21	WVX 8MU-19-8-21	SENE	19	080S	210E	4304735372	14241	Federal	GW	P
GH 10ML-18-8-21	GH 10ML-18-8-21	NWSE	18	080S	210E	4304735391	15482	Federal	GW	P
GH 8G-17-8-21	GH 8G-17-8-21	SENE	17	080S	210E	4304737992	5355	Federal	OW	DRL
GH 16G-17-8-21	GH 16G-17-8-21	SESE	17	080S	210E	4304737993	5355	Federal	OW	DRL
WVX 1MU-17-8-21	WVX 1MU-17-8-21	NENE	17	080S	210E	4304738156		Federal	GW	APD
GH 8MU-20-8-21	GH 8-20-8-21	SENE	20	080S	210E	4304738157		Federal	GW	APD
WVX 13MU-17-8-21	WVX 13MU-17-8-21	SWSW	17	080S	210E	4304738188		Federal	GW	APD
WVX 6MU-17-8-21	WVX 6MU-17-8-21	SENE	17	080S	210E	4304738189		Federal	GW	APD
WVX 4MU-17-8-21	WVX 4MU-17-8-21	NWNW	17	080S	210E	4304738190		Federal	GW	APD
WVX 16MU-18-8-21	WVX 16MU-18-8-21	SESE	18	080S	210E	4304738191		Federal	GW	APD
GH 2MU-19-8-21	GH 2MU-19-8-21	NWNE	19	080S	210E	4304738192		Federal	GW	APD
GH 3MU-19-8-21	GH 3MU-19-8-21	NENW	19	080S	210E	4304738250		Federal	GW	APD
GH 4MU-19-8-21	GH 4MU-19-8-21	NWNW	19	080S	210E	4304738264		Federal	GW	APD
GH 5MU-19-8-21	GH 5MU-19-8-21	SWNW	19	080S	210E	4304738265		Federal	GW	APD
GH 6MU-19-8-21	GH 6MU-19-8-21	SENE	19	080S	210E	4304738266		Federal	GW	APD
GH 7MU-19-8-21	GH 7D-19-8-21	SWNE	19	080S	210E	4304738267		Federal	GW	APD
GH 11MU-19-8-21	GH 11MU-19-8-21	NESW	19	080S	210E	4304738268		Federal	GW	APD
GH 12MU-19-8-21	GH 12MU-19-8-21	NWSW	19	080S	210E	4304738269		Federal	GW	APD
GH 15MU-19-8-21	GH 15MU-19-8-21	SWSE	19	080S	210E	4304738270		Federal	GW	APD
GH 14MU-19-8-21	GH 14MU-19-8-21	SESW	19	080S	210E	4304738472		Federal	GW	APD
WVX 1MU-18-8-21	WVX 1MU-18-8-21	NENE	18	080S	210E	4304738659		Federal	GW	APD
WVX 9MU-18-8-21	WVX 9MU-18-8-21	NESE	18	080S	210E	4304738660		Federal	GW	APD
WVX 8MU-18-8-21	GH 8G-18-8-21	SENE	18	080S	210E	4304738661		Federal	GW	APD
GH 6MU-20-8-21	GH 6-20-8-21	SENE	20	080S	210E	4304738662		Federal	GW	APD

**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.

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

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> (Submit in Duplicate)  Approximate date work will start: <u>1/1/2007</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> (Submit Original Form Only)  Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Operator Name Change</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

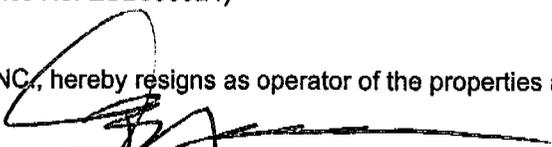
Effective January 1, 2007 operator of record, QEP Uinta Basin, Inc., will hereafter be known as QUESTAR EXPLORATION AND PRODUCTION COMPANY. This name change involves only an internal corporate name change and no third party change of operator is involved. The same employees will continue to be responsible for operations of the properties described on the attached list. All operations will continue to be covered by bond numbers:

Federal Bond Number: 965002976 (BLM Reference No. ESB000024)

Utah State Bond Number: 965003033

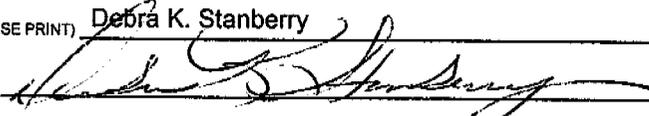
Fee Land Bond Number: 965003033

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

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

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

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

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

(This space for State use only)

**RECEIVED**

**APR 13 2007**

DIV. OF OIL, GAS & MINING

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

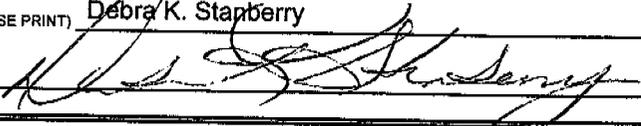
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: see attached
2. NAME OF OPERATOR: QUESTAR EXPLORATION AND PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: see attached
3. ADDRESS OF OPERATOR: 1050 17th Street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

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>1/1/2007</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Well Name Changes</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

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

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

(This space for State use only)

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APR 19 2007

DIV. OF OIL, GAS & MINING



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

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



IN REPLY REFER TO  
3180  
UT-922

April 23, 2007

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

Re: Gypsum Hills (GR) 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 Gypsum Hills (GR) 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 Gypsum Hills (GR) Unit Agreement.

Your nationwide oil and gas bond No. ESB000024 will be used to cover all federal operations within the Gypsum Hills (GR) 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 - Gypsum Hills (GR) 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

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**

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

CA No.		Unit:		GYPSUM HILLS (GRRV)				
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

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

**DATA ENTRY:**

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

**BOND VERIFICATION:**

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

**LEASE INTEREST OWNER NOTIFICATION:**

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

**COMMENTS:**

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER See attached
2. NAME OF OPERATOR: Questar Exploration and Production Company <i>N5085</i>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: See attached
3. ADDRESS OF OPERATOR: 1050 17th Street, Suite 500 CITY Denver STATE CO ZIP 80265		7. UNIT or CA AGREEMENT NAME: See attached
PHONE NUMBER: (303) 672-6900		8. WELL NAME and NUMBER: See attached
4. LOCATION OF WELL FOOTAGES AT SURFACE: See attached		9. API NUMBER: Attached
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		10. FIELD AND POOL, OR WILDCAT: See attached
COUNTY: Attached		STATE: UTAH

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

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

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

Effective June 14, 2010 Questar Exploration and Production Company changed its name to QEP Energy Company. This name change involves only an internal corporate name change and no third party change of operator is involved. The same employees will continue to be responsible for operations of the properties described on the attached list. All operations will continue to be covered by bond numbers:

Federal Bond Number: 965002976 (BLM Reference No. ESB000024) *N3700*  
 Utah State Bond Number: ~~965003033~~ *965010695*  
 Fee Land Bond Number: ~~965003033~~  
 BIA Bond Number: ~~799446~~ *965010693*

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

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

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JUN 28 2010

DIV. OF OIL, GAS & MINING

(See Instructions on Reverse Side)

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

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)  
 GYPSUM HILLS (GRRV)  
 effective June 14, 2010

well_name	sec	twp	rng	api	entity	mineral lease	type	stat	C
GH 4	19	080S	210E	4304730028	5355	Federal	OW	P	
GH 1-19	19	080S	210E	4304731065	5355	Federal	OW	P	
GH 23-21	21	080S	210E	4304731541	5355	Federal	OW	P	
GH 4-21	21	080S	210E	4304731826	5355	Federal	OW	P	
GH 5-21	21	080S	210E	4304731827	5355	Federal	OW	P	
GH 9	20	080S	210E	4304732304	5355	Federal	OW	DRL	C
GH 11	20	080S	210E	4304732459	5355	Federal	OW	P	
GH 13	21	080S	210E	4304732460	5355	Federal	OW	P	
GH 14	20	080S	210E	4304732647	5355	Federal	OW	P	
GH 18	20	080S	210E	4304732650	5355	Federal	OW	P	
GH 19	20	080S	210E	4304732651	5355	Federal	OW	P	
GH 20	20	080S	210E	4304732652	5355	Federal	OW	P	
GH 16	20	080S	210E	4304732675	5355	Federal	OW	P	
GH 10W-19-8-21	19	080S	210E	4304733528	12736	Federal	GW	P	
GH 10G-19-8-21	19	080S	210E	4304733566	5355	Federal	OW	P	
WV 11W-17-8-21	17	080S	210E	4304733912	13228	Federal	GW	P	
WV 5W-17-8-21	17	080S	210E	4304733954	13332	Federal	GW	P	
WV 7W-17-8-21	17	080S	210E	4304733956	13330	Federal	GW	P	
GH 9W-17-8-21	17	080S	210E	4304734150	13392	Federal	GW	P	
GH 16W-17-8-21	17	080S	210E	4304734156	13354	Federal	GW	P	
WVX 10W-17-8-21	17	080S	210E	4304734561	13744	Federal	GW	P	
GHX 15W-17-8-21	17	080S	210E	4304734562	13674	Federal	GW	P	
GHX 13HG-17-8-21	17	080S	210E	4304734723	5355	Federal	OW	P	
GH 1G-17-8-21	17	080S	210E	4304734927	5355	Federal	OW	P	
WVX 2W-17-8-21	17	080S	210E	4304734928	14253	Federal	GW	P	
WVX 8W-17-8-21	17	080S	210E	4304734929	13792	Federal	GW	P	
GH 4MU-20-8-21	20	080S	210E	4304735068	14213	Federal	GW	P	
GH 13MU-20-8-21	20	080S	210E	4304735070	14817	Federal	GW	P	
GH 5W-20-8-21	20	080S	210E	4304735097	14557	Federal	GW	P	
WVX 3MU-17-8-21	17	080S	210E	4304735318	14113	Federal	GW	P	
GH 15ML-18-8-21	18	080S	210E	4304735323	15483	Federal	GW	P	
GH 1ML-19-8-21	19	080S	210E	4304735324	14824	Federal	GW	P	
WVX 14MU 17-8-21	17	080S	210E	4304735369	14098	Federal	GW	P	
WVX 12MU-17-8-21	17	080S	210E	4304735370	15108	Federal	GW	P	
WVX 8MU-19-8-21	19	080S	210E	4304735372	14241	Federal	GW	P	
GH 10ML-18-8-21	18	080S	210E	4304735391	15482	Federal	GW	P	
GH 8G-17-8-21	17	080S	210E	4304737992	5355	Federal	OW	P	
GH 16G-17-8-21	17	080S	210E	4304737993	5355	Federal	OW	P	
GH 8G-18-8-21	18	080S	210E	4304738661		Federal	GW	APD	C
GH 6-20-8-21	20	080S	210E	4304738662	17041	Federal	GW	P	

Bonds: BLM = ESB000024  
 BIA = 956010693  
 State = 965010695



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

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



IN REPLY REFER TO:  
3100  
(UT-922)

JUL 28 2010

### Memorandum

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

From: Chief, Branch of Minerals

*Roy L. Bankart*

Subject: Name Change Recognized

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

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

cc: MMS  
UDOGM

RECEIVED

AUG 16 2010

DIV. OF OIL, GAS & MINERALS