

CONFIDENTIAL

Form 3160-3  
(December 1990)

SUBMIT IN TRIP DATE  
(Other instructions on reverse side)

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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  
Chandler & Associates, Inc.

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3. ADDRESS AND TELEPHONE NO.  
475 Seventeenth Street, Suite 1000, Denver, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface 1950' FSL 2211' FWL

RECEIVED

JUN 17 1998

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
See Topo Map "A" (attached)

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)  
1950'

16. NO. OF ACRES IN LEASE  
1917.68

17. NO. OF ACRES ASSIGNED TO THIS WELL  
40

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

19. PROPOSED DEPTH  
5500'

20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
6098' GR

22. APPROX. DATE WORK WILL START\*  
A.S.A.P.

23. 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"	24#	250'	(See attached drilling plan)
7 7/8"	5 1/2"	15.5#	5500'	(See attached drilling plan)

- M.I.R.U.
- Drill to T.D. 5500'
- Run 5 1/2" casing if commercial production is indicated.
- If dry hole, well will be plugged and abandoned as instructed by the B.L.M.
- Well will be drilled with water; KCL water: LSND as needed to T.D.

I hereby certify that I am responsible by the terms and conditions of the lease to conduct lease operations. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Chandler & Associates, Inc., B.L.M. Bond #124290364 with CNA.

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 Tracy D. Henline TITLE Agent DATE 6-16-98  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ DATE \_\_\_\_\_  
**NOTICE OF APPROVAL CONDITIONS OF APPROVAL ATTACHED**  
Applicant approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
CONDITIONS OF APPROVAL, IF ANY:  
APPROVED BY [Signature] TITLE Assistant Field Manager Mineral Resources DATE 7/29/98  
\*See Instructions On Reverse Side

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Chandler & Associates Inc.

Well Name & Number: West River Bend 11-20-10-17

API Number: 43-013-32088

Lease Number: U-75083

Location: NESW Sec. 20 T. 10S R. 17E

**NOTIFICATION REQUIREMENTS**

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

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

## CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

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

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

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

### A. DRILLING PROGRAM

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

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

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

#### 2. Pressure Control Equipment

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

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

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

3. Casing Program and Auxiliary Equipment

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

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

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the base of the Mahogany Oil Shale zone identified at  $\pm 1933$  ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

4. Mud Program and Circulating Medium

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

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

5. Coring, Logging and Testing Program

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

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

The Gamma Ray and Induction Logs need to be pulled from TD to the Surface Shoe.

A cement bond log (CBL) will be run from the production casing shoe to  $\pm 1733$  ft. and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

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

6. Notifications of Operations

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

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

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

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

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

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

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

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

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

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

7. Other Information

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

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

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

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

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed.

All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

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

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

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

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

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

Wayne Bankert (801) 789-4170  
Petroleum Engineer

Ed Forsman (801) 789-7077  
Petroleum Engineer

Jerry Kenczka (801) 781-1190  
Petroleum Engineer

BLM FAX Machine (801) 781-4410

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

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

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids

Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste

Refinery wastes

Liquid and solid wastes generated by crude oil and tank bottom reclaimers

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation and miscellaneous solids.

**SURFACE USE PROGRAM**  
Conditions of Approval (COAs)

Location of Existing and/or Proposed Facilities

All production facilities shall be painted an earthtone Desert Brown (10YR 6/3) to blend with the surrounding vegetation within six (6) months of well completion.

The material for construction of the containment dike around the tank battery shall be nonpermeable subsoils and at no time shall top soils be used for this construction.

If a pipeline is requested for this location additional authorization will be necessary.

Plans For Reclamation Of Location

All seeding for reclamation operations at this location shall use the following seed mixture:

needle and thread	Stipa comata	3 lbs/acre
black sagebrush	Artemesia arbuscula v. nova	2 lbs/acre
fourwing saltbush	Atriplex canescens	4 lbs/acre
shadscale	Atriplex confertifolia	3 lbs/acre

If the seed mixture is to be aerielly broadcasted, the pounds per acre shall be doubled. All seed poundages are in Pure Live Seed.

Immediately after construction the stockpiled top soil will be seeded and the seed worked into the soil by "walking" the pile with caterpillar tracks.

When reclaiming the reserve pit, the pit liner will be torn and perforated before backfilling the reserve pit and the torn liner will be buried a minimum of four (4) feet deep. The reserve pit and those portions of the location not needed for production facilities and/or operations shall be reclaimed and recontoured in accordance with the APD. A portion of the stockpiled topsoil shall then be spread over the rehabilitated areas to approximate the original topsoil thickness and the area seeded.

Upon final abandonment if additional recontouring is needed for previously reclaimed areas, the topsoil shall be removed prior to the final recontouring.

For final abandonment all topsoil shall be spread over the recontoured surface, windrowed trees shall then be scattered over the area of reclamation and the soils seeded.

Other Information

**Raptor habitat**

If this is to be a producing oil well, a multicylinder engine or a "hospital" type muffler will be used to reduce noise due to raptor habitat.

**Mountain plover & Burrowing owl habitat**

According to the timeframes listed on the following chart and prior to new construction and drilling activities, a detailed survey of the area within 0.5 mile of a proposed location and 300 feet either side of the center line of a proposed access route will be made by BLM or a qualified biologist to detect the presence of plovers. Extreme care shall be exercised to locate plovers due to their highly secretive and quiet nature. Where possible, the survey shall first be made from a stationary vehicle. All plovers located will be observed long enough to determine if a nest is present. If no visual sightings are made from the vehicle, the area will be surveyed again on foot.

Starting Date of Construction or Drilling Activity	Number of Surveys
From March 15 through April 15	1
From April 16 through July 15	2
From July 16 through August 15	1

The surveys will be conducted no more than 14 days prior to the date actual construction or drilling activities begin. If two surveys are required, they will be made at least 14 days apart with the last survey no more than 14 days prior to the start-up date.

If an active nest or chicks are found in the area, the planned activity will be delayed until the chicks are out of downy plumage; the brood vacates the area of influence; or, the nest has failed.

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

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**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  
 Chandler & Associates, Inc.

3. ADDRESS AND TELEPHONE NO.  
 475 Seventeenth Street, Suite 1000, Denver, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)  
 At surface: 1950' FSL 2211' FWL  
 At proposed prod. zone: 694' 674'

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 See Topo Map "A" (attached)

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)  
 1950'

16. NO. OF ACRES IN LEASE  
 1917.68

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 40

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

19. PROPOSED DEPTH  
 5500'

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 6098' GR

22. APPROX. DATE WORK WILL START\*  
 A.S.A.P.

5. LEASE DESIGNATION AND SERIAL NO.  
 U-75083

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

7. UNIT AGREEMENT NAME  
 N/A

8. FARM OR LEASE NAME, WELL NO.  
 West Desert Spring #11-20-10-

9. API WELL NO.

10. FIELD AND POOL, OR WILDCAT  
 Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 Sec. 20, T10S, R17E, S.L.B.&M

12. COUNTY OR PARISH  
 Duchesne

13. STATE  
 Utah

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**PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
12 1/4"	8 5/8"	24#	250'
7 7/8"	5 1/2"	15.5#	5500'

QUANTITY OF CEMENT  
 (See attached) (See attached drilling plan)

**RECEIVED**  
 JUN 18 1998  
 DIV. OF OIL, GAS & MINING

1. M.I.R.U.
2. Drill to T.D. 5500'
3. Run 5 1/2" casing if commercial production is indicated.
4. If dry hole, well will be plugged and abandoned as instructed by the B.L.M.
5. Well will be drilled with water; KCL water: LSND as needed to T.D.

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24. SIGNED Tracy D. Henline TITLE Agent DATE 6-16-98  
 (This space for Federal or State office use)

PERMIT NO. 43-013-32088 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.

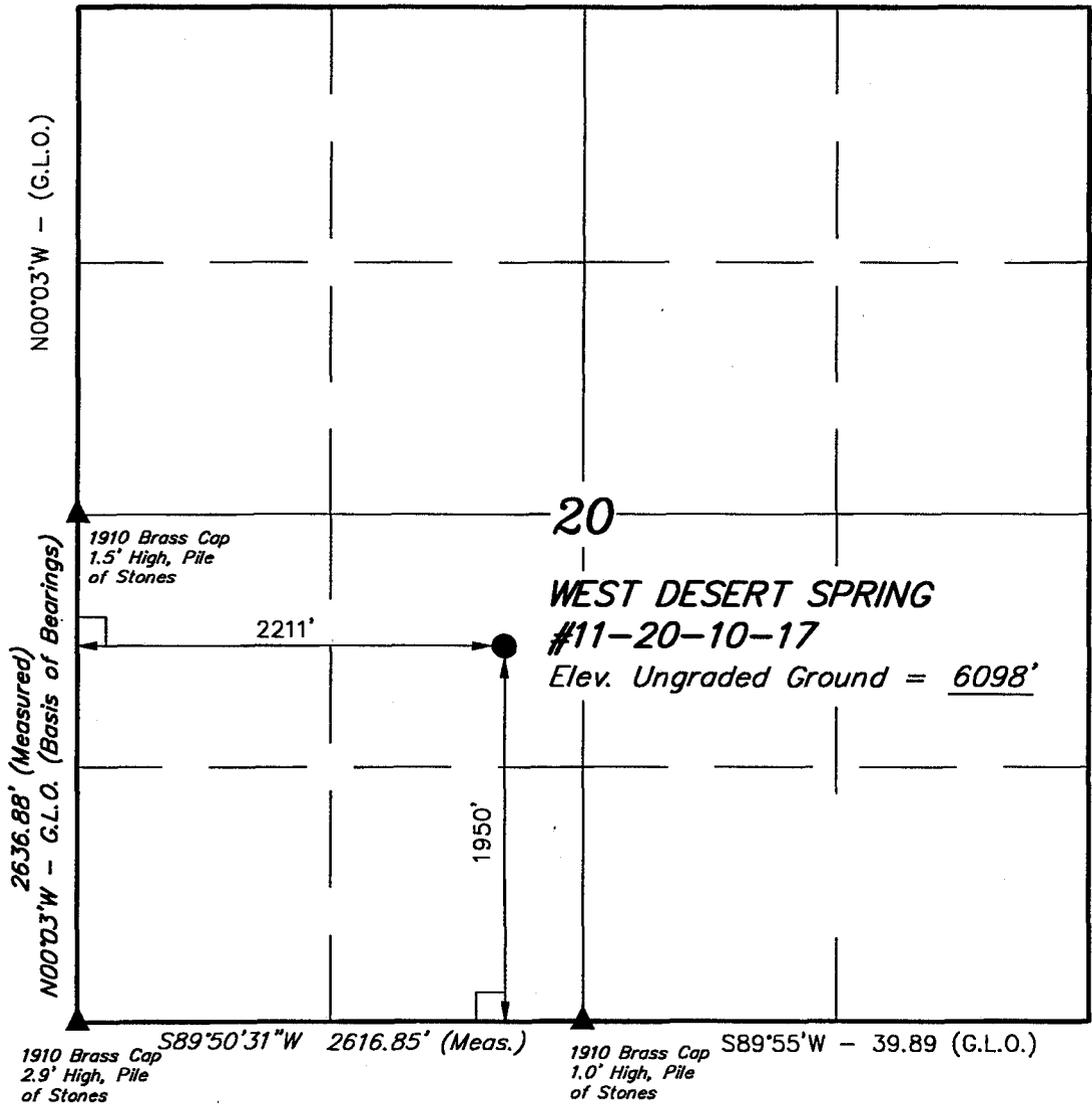
CONDITIONS OF APPROVAL, IF ANY: **Federal Approval of this Action is Necessary**

APPROVED BY Bradley G. Hill TITLE RECLAMATION SPECIALIST DATE 6/25/98

\*See Instructions On Reverse Side

# T10S, R17E, S.L.B.&M.

S89°56'W - 79.68 (G.L.O.)



2636.88' (Measured) N00°03'W - G.L.O. (Basis of Bearings)

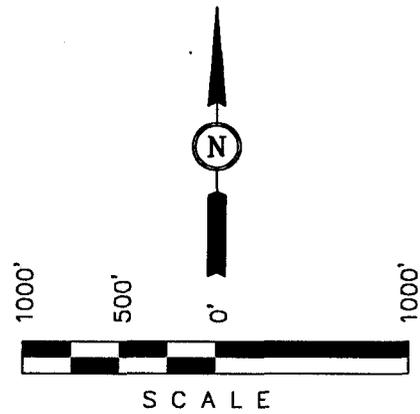
N00°03'W - (G.L.O.)

## CHANDLER & ASSOCIATES, INC.

Well location, WEST DESERT SPRING #11-20-10-17 located as shown in the NE 1/4 SW 1/4 of Section 20, T10S, R17E, S.L.B.&M. Duchesne County, Utah.

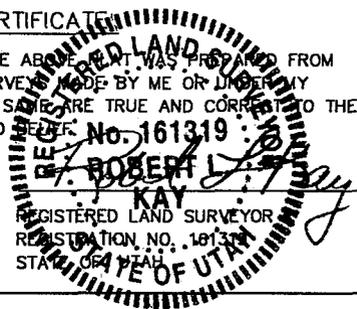
### BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHWEST CORNER OF SECTION 20, T10S, R17E, S.L.B.&M. TAKEN FROM THE WILKIN RIDGE, QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 6210 FEET.



### CERTIFICATE

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

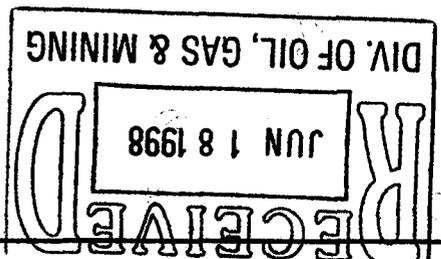


Revised: 06-04-98 D.R.B.

<b>UINTAH ENGINEERING &amp; LAND SURVEYING</b>		
85 SOUTH 200 EAST - VERNAL, UTAH 84078		
(435) 789-1017		
SCALE 1" = 1000'	DATE SURVEYED: 04-30-98	DATE DRAWN: 05-01-98
PARTY J.F. K.R. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE CHANDLER & ASSOCIATES, INC.	

### LEGEND:

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



**CHANDLER & ASSOCIATES, INC.  
DRILLING PLAN FOR THE  
WEST DESERT SPRING #11-20-10-17**

I. DRILLING PLAN:

1. Geological Surface Formation: Uintah

2. Estimated Tops:

<u>Name</u>	<u>Top</u>	<u>Prod. Phase Anticipated</u>
Green River	1850'	
Uteland Butte	4975'	Gas/Oil
Wasatch	5160'	

3. CASING PROGRAM:

	<u>Depth</u>	<u>Hole Size</u>	<u>Csg. Size</u>	<u>Type</u>	<u>Weight</u>
Surface	250'	12-1/4"	8-5/8"	J-55 (ST&C)	24#/ft (new)
Prod.	5500'	7-7/8"	5-1/2"	K-55 (LT&C)	15.5#/ft (new)

4. Operator's Specification for Pressure Control Equipment:

- A. 2,000 psi W.P. Double Gate BOP or Single Gate BOP (Schematic attached).
- B. Functional test daily.
- C. All casing strings shall be pressure-tested (0.2 psi/foot or 1500 psi, whichever is greater) prior to drilling the plug after cementing; test pressure shall not exceed the internal yield pressure of the casing.
- D. All ram-type preventors and related control equipment shall be tested at the rated working pressure of the stack assembly or at 70 percent of the minimum internal yield pressure of the casing, whichever is less. Tests shall be done at the time of installation, prior to drilling out, and weekly. All tests shall be for a period of 15 minutes.

Chandler & Associates, Inc.  
West Desert Spring #11-20-10-17

5. Auxiliary Equipment:

- A. Kelly Cock - yes.
- B. Float at the bit - no.
- C. Monitoring equipment on the mud system - visually.
- D. Full opening safety valve on rig floor - yes.
- E. Rotating head - yes.

6. Proposed Circulating Medium:

<u>Depth</u>	<u>Mud Type</u>	<u>Density (lb./gal)</u>	<u>Viscosity</u>	<u>Water Loss</u>
0'- T.D.	Water; KCL Water; LSND as needed			

7. Testing, Logging, and Coring Program:

- A. Cores - None anticipated.
- B. DST - none anticipated.
- C. Logging - CNL/FDC PE GR CAL (TD to base of surface casing).  
Induction SP (TD to base of surface casing).

Chandler & Associates, Inc.  
West Desert Spring #11-20-10-17

- D. Formation and Completion Interval: Uteland Butte member of the Green River interval, final determination of completion will be made by analysis of logs.  
Stimulation - Stimulation will be designed for the particular area of interest as encountered.
- E. Frac gradient - approximately .80 psi/ft.

8. Cementing Program:

<u>Casing</u>	<u>Volume</u>	<u>Type &amp; Additives</u>
Surface	180 sx	Class "G" w/2% CaCl <sub>2</sub> (based on 100% access)
Production	900 sx*	450 sx "Lite" followed by 415 sx 50/50 poz. mix.

Cement Characteristics:

Class "G" - yield = 1.18 cu.ft. per. sack  
weight = 15.8 lb./gal  
strength = 3200 psi in 72 hrs @135 degrees

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

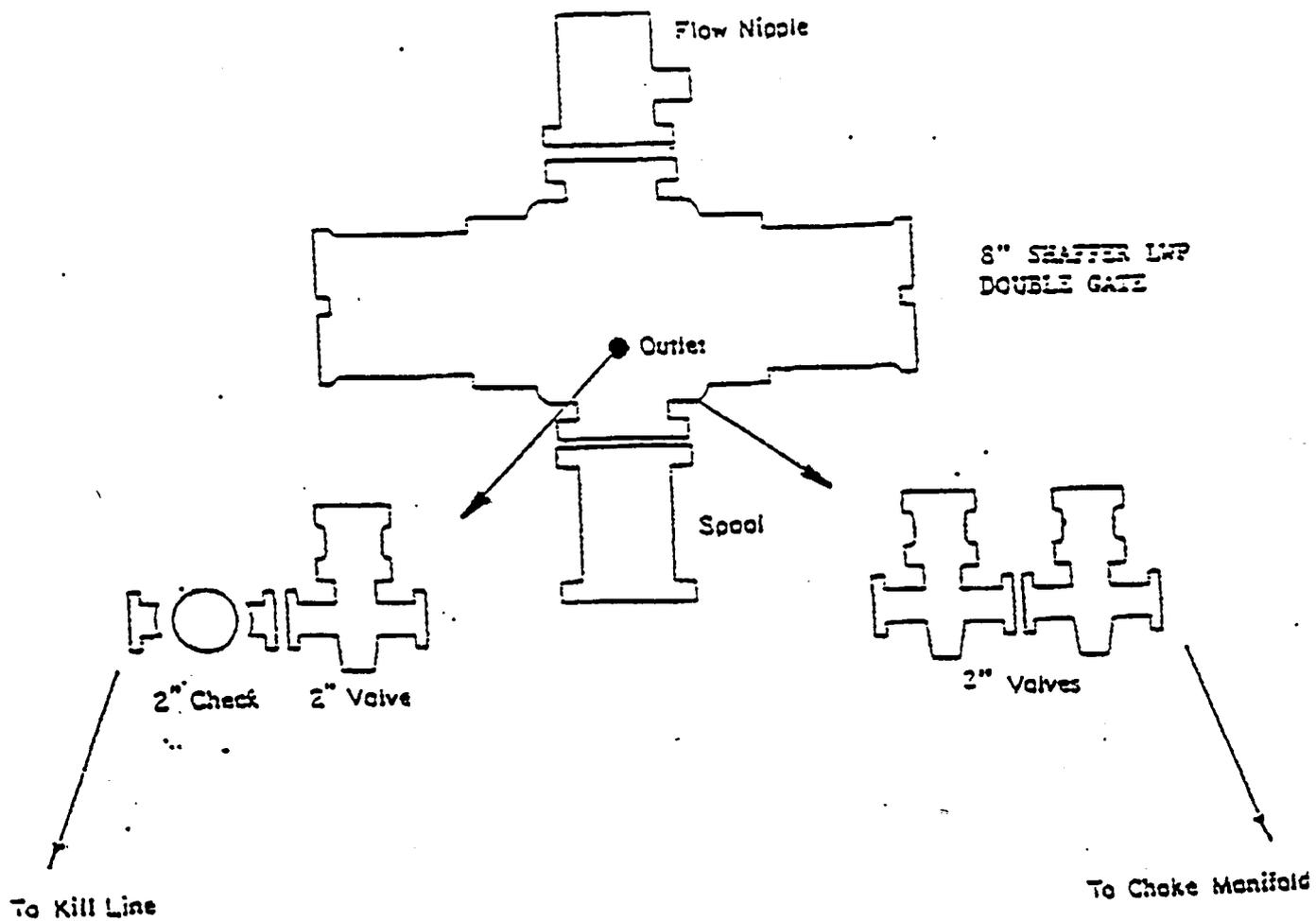
Chandler & Associates, Inc.  
West Desert Spring #11-20-10-17

9. Anticipated Abnormal Pressures and Temperatures, Other Potential Hazards:

No abnormal temperatures or pressures are anticipated. No H<sub>2</sub>S has been encountered in or known to exist from previous wells drilled to similar depths in the general area. Maximum anticipated bottom hole pressure equals approximately 1,600 psi (calculated at 0.290 psi/ft) and maximum anticipated surface pressure equals approximately 390 psi (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/ft).

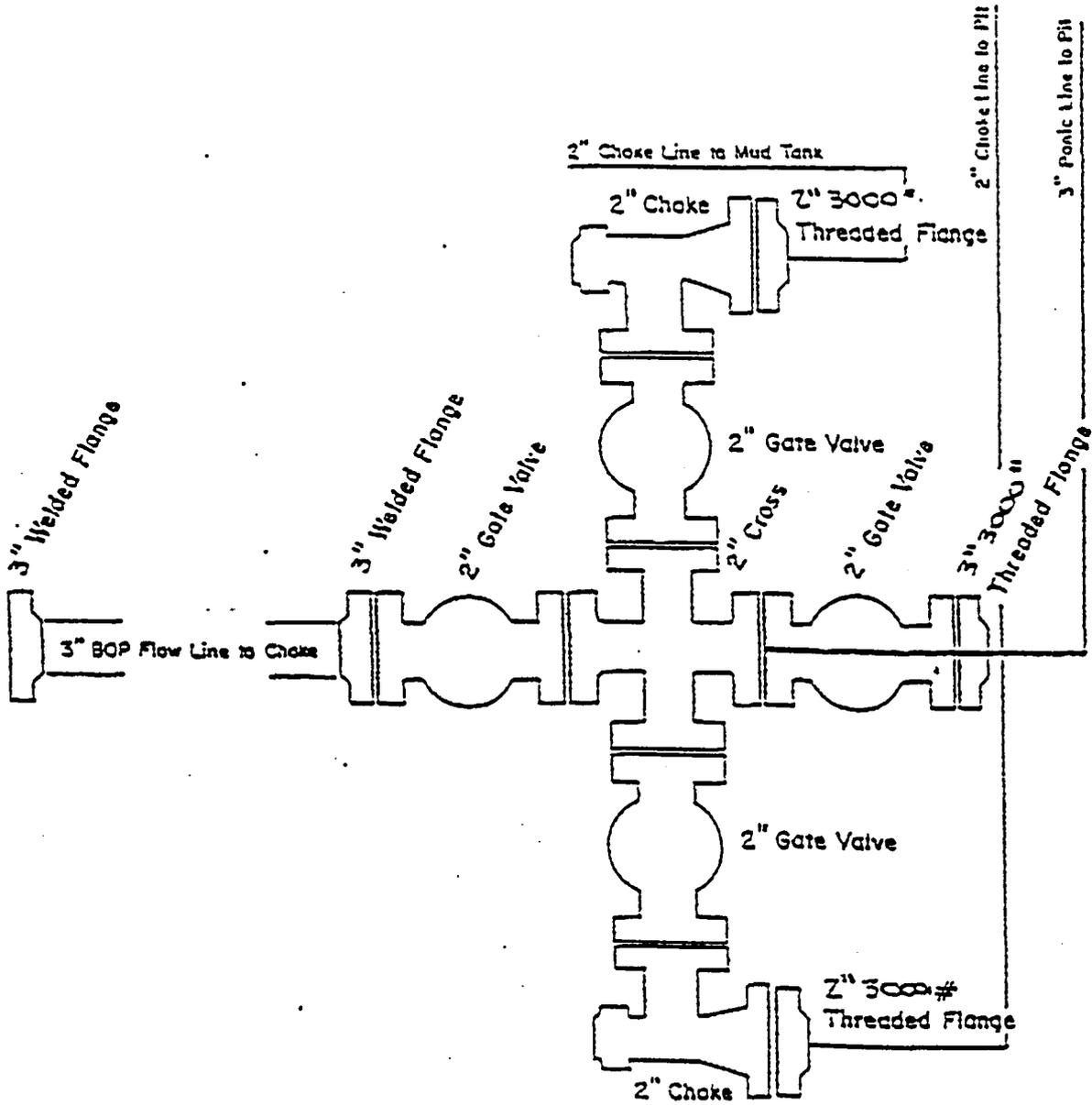
# CHANDLER DRILLING

RIG NO.7



CHANDLER DRILLING

RIG NO.7



**II. SURFACE USE PLAN  
CHANDLER & ASSOCIATES, INC.  
WEST DESERT SPRING #11-20-10-17**

1. Existing Road:

- A. Topo Map "A" is the vicinity map, showing the access routes from Myton, Utah.
- B. Topo Map "B" shows the proposed access road to each individual well. It also shows existing roads in the immediate area.
- C. Occasional maintenance blading and storm repairs will keep roads in good condition.
- D. There shall be no mud blading on the access road. Vehicles may be towed through the mud provided they stay on the roadway.

2. Planned Access Roads:

The proposed access road, will be crowned, ditched, and dipped.

- A. Maximum grade will be 8% or less, unless otherwise stated.
- B. No turnouts will be required.
- C. Road surface material will be that native to the area.
- D. No cattle guard will be required.
- E. The proposed access road was flagged at the time the location was staked.
- F. The area authorized officer will be contacted at least 24 hours prior to commencing construction of the access road and well pad.
- G. The back slopes of the proposed access roads will be no steeper than vertical or 1/4:1 in rock; and 2:1, elsewhere.

The operator or his contractor will notify the areas authorized officer at least 48 hours prior to commencement of any work on these locations, roadways, or pipelines.

Chandler & Associates, Inc.  
West Desert Spring #11-20-10-17

3. Location of Existing Wells:

See Topo Map "C"

4. Location of Existing and/or Proposed Facilities:

- A. All Petroleum Production Facilities are to be contained within the proposed location sites.
- B. In the event that production of these wells is established, the following will be shown:
  - 1. Proposed location and attendant lines, by flagging, if off well pad.
  - 2. Dimensions of facilities.
  - 3. Construction methods and materials.
- C. The area used to contain the proposed production facilities will be built using native materials. If these materials are not acceptable, then other arrangements will be made to acquire them from private sources. These facilities will be constructed using bulldozers, graders, and workman crews to construct and place the proposed facilities.
- D. All permanent facilities placed on the locations shall be painted a non-reflective color which will blend with the natural environment.
- E. A dike shall be constructed around the tank battery, of sufficient capacity to adequately contain at least 110 percent of the storage capacity of the largest tank within the dike.
- F. All buried pipelines shall be covered to a depth of 3 feet except at road crossings where they shall be covered to a depth of 4 feet.
- G. Construction width of the right-of way/pipeline route shall be restricted to 30 feet of disturbance.
- H. Pipeline location warning signs shall be installed within 90 days upon completion of construction.

Chandler & Associates, Inc.  
West Desert Spring #11-20-10-17

5. Location and Type of Water Supply:

Water will be obtained from a Spring located in Section 34, T3S, R2W, U.S.B.&M. which is Operated by Nebeker Trucking (Permit #43-1723) and transported by Nebeker Trucking Co. along the access roads which are shown on the attached maps.

6. Source of Construction Materials:

A. No construction materials are needed for drilling operations. In the event of production, the small amount of gravel needed for facilities will be hauled in by truck from a local gravel pit over existing access roads from the area. No special access other than for drilling operations and pipeline construction is needed.

B. All disturbance for this well site is located on B.L.M. Lands.

All Construction material for these location sites and access roads shall be borrow material accumulated during the construction of the location sites and access roads. No additional construction material from other sources is anticipated at this time, but if it is required, the appropriate actions will be taken to acquire it from private sources.

7. Methods for Handling Waste Disposal:

A. Drill cuttings will be buried in the reserve pit when covered.

B. Drilling fluids will be contained in the reserve pit.

C. Any hydrocarbon liquids produced while production testing will be contained in a test tank. Any unavoidable spills of oil or other adverse substances or materials will be removed immediately during drilling progress or during completion operations.

D. Portable chemical toilets will be provided and serviced by a local commercial sanitary service.

Chandler & Associates, Inc.  
West Desert Spring #11-20-10-17

- E. Garbage and trash will be collected in a trash cage and its contents hauled to a sanitary landfill.

All wastes caused by the construction activities shall be promptly removed and disposed of in a sanitary landfill or as directed by the authorized officer.

- F. Prior to commencement of drilling, the reserve pit will be fenced on three sides using 39-inch net wire with at least one (1) strand of barbed wire. All wire is to be stretched before attaching to corner posts. When drilling activities are completed it will be fenced on the fourth side and allowed to dry (if liquids are present). After drying, the fences will be removed and the pit shall be buried. Reclamation will be undertaken no later than the fall of the year after all drilling activity has ceased.

8. Ancillary Facilities:

No air strips, camps, or other living facilities will be built off the location. Housing and office trailers will be on the location as seen on the location layout.

9. Well Site Layout:

- A. See attached cutsheet.
- B. The areas authorized officer will be contacted at least 24 hours prior to commencing construction of the access road and well pad.
- C. The reserve pit will be lined with a 12ml. liner prior to any drilling activity.
- D. Topsoil shall be stripped to a depth of 6 inches and stockpiled as shown on the location layout plat. (Windrow along north side of pad).
- E. The back slopes of the locations will be no steeper than vertical or 1/4:1 in rock, and 2:1 elsewhere.
- F. The upper edges of all cut banks on the access roads and well pads will be rounded.

Chandler & Associates, Inc.  
West Desert Spring #11-20-10-17

10. Plans for Restoration:

- A. Immediately upon completion, the location and surrounding area will be cleared of all debris, materials, trash and junk not required for production.
- B. Before any dirt work to restore the location takes place, the reserve pit must be completely dry. The reserve pit will be reclaimed within 90 days from the date of well completion.
- C. The area officer shall be notified at least 48 hours prior to commencing reclamation work.
- D. All disturbed areas will be seeded with the a mixture which is found suitable by the B.L.M.
- E. The seed bed will be prepared by discing, following the natural contour. Drill seed on contour at a depth no greater than ½ inch. In areas that cannot be drilled, the seed will be broadcast at double the seeding rate and harrowed into soil. Certified seed is recommended.
- F. Fall seeding will be completed after September, and prior to prolonged ground frost.
- G. If the well is a producer, access roads will be upgraded and maintained as necessary to prevent soil erosion, and accommodate year round traffic. Areas unnecessary to operations will be reshaped, topsoil distributed, and seed distributed according to the above mixtures. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.

Chandler & Associates, Inc.  
West Desert Spring #11-20-10-17

- H. If the well is abandoned or is a dry hole, the access road and location will be restored to approximate the original contours. During reclamation of the site the fill material will be pushed into cuts and up over the backslope. No depressions will be left that would trap water or form ponds. Topsoil will be distributed evenly over the location and seeded according to the above mixture. The access road and the location shall be ripped or disced prior to seeding. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.
- I. Annual or noxious weeds shall be controlled on all disturbed areas. Method of control shall be by an approved mechanical method or an Environmental Protection Agency (EPA) registered herbicide. All herbicide application proposals must be approved. Application of herbicides must be under direct field supervision of an EPA certified pesticide applicator.

11. Other Information:

- A. The area is used by man for the primary purpose of grazing domestic livestock.

All activity shall cease when soils or road surfaces become saturated to a depth of three inches, unless otherwise approved by the Authorized Officer.

If any fossils are discovered during construction, the operator shall cease construction immediately and notify the Authorized Officer so as to determine the significance of the discovery.

- B. A Class III cultural resource inventory has been completed prior to disturbance by a qualified professional Archaeologist.
- C. The State considers the development of groundwater resources to be necessary and frequently indispensable to effective land management. Therefore, any groundwater intercepted by the party conducting mineral exploration shall be reported to the authorized officer immediately including approximate quantities and a sample in a sealed quart container. The State shall have the first opportunity to file State water rights for the intercepted groundwater. The undersigned may file for water rights only with a written waiver from the State.

Chandler & Associates, Inc.  
West Desert Spring #11-20-10-17

- D. The operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials and contact the authorized officer (AO). Within five working days the AO will inform the operator as to:

whether the materials appear eligible for the National Register of Historic Places;  
the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and a time frame for the AO to complete an expedited review under 36 CFR 800-11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

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

- E. Less than 10,000 pounds of any chemical(s) from EPA's Consolidated list of Chemicals Subject to Reporting Under Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986, and less than threshold planning quantity (TPQ) of any extremely hazardous substances(s), as defined in 40 CFR, would be used, produced, transported, stored, disposed, or associated with the proposed action.

Chandler & Associates, Inc.  
West Desert Spring #11-20-10-17

12. Lessee's or Operator's Representative:

Mr. Terry J. Cox  
Vice President of Operations/Production  
Chandler & Associates, Inc.  
475 Seventeenth Street  
Suite 1000  
Denver, Colorado 80202  
Telephone #(303)295-0400

13. Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite(s) and access route(s); 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 **Chandler & Associates, Inc.**, and its contractors and subcontractors in conformity with the plan and the terms and conditions under which it is approved.

This statement is subject to the provision of 18 U.S.C. 1001 for the filing of a false statement.

6-16-98  
Date

  
Tracy D. Henline  
Agent

CHANDLER & ASSOCIATES, INC.

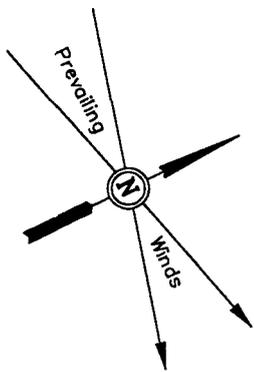
LOCATION LAYOUT FOR

WEST DESERT SPRING #11-20-10-17

SECTION 20, T10S, R17E S.L.B.&M.

1950' FSL 2211' FWL

Proposed Access Road



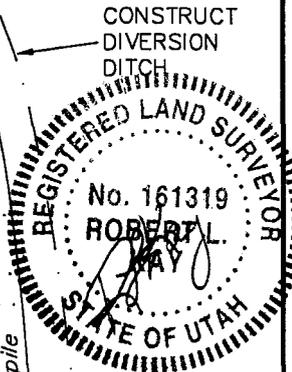
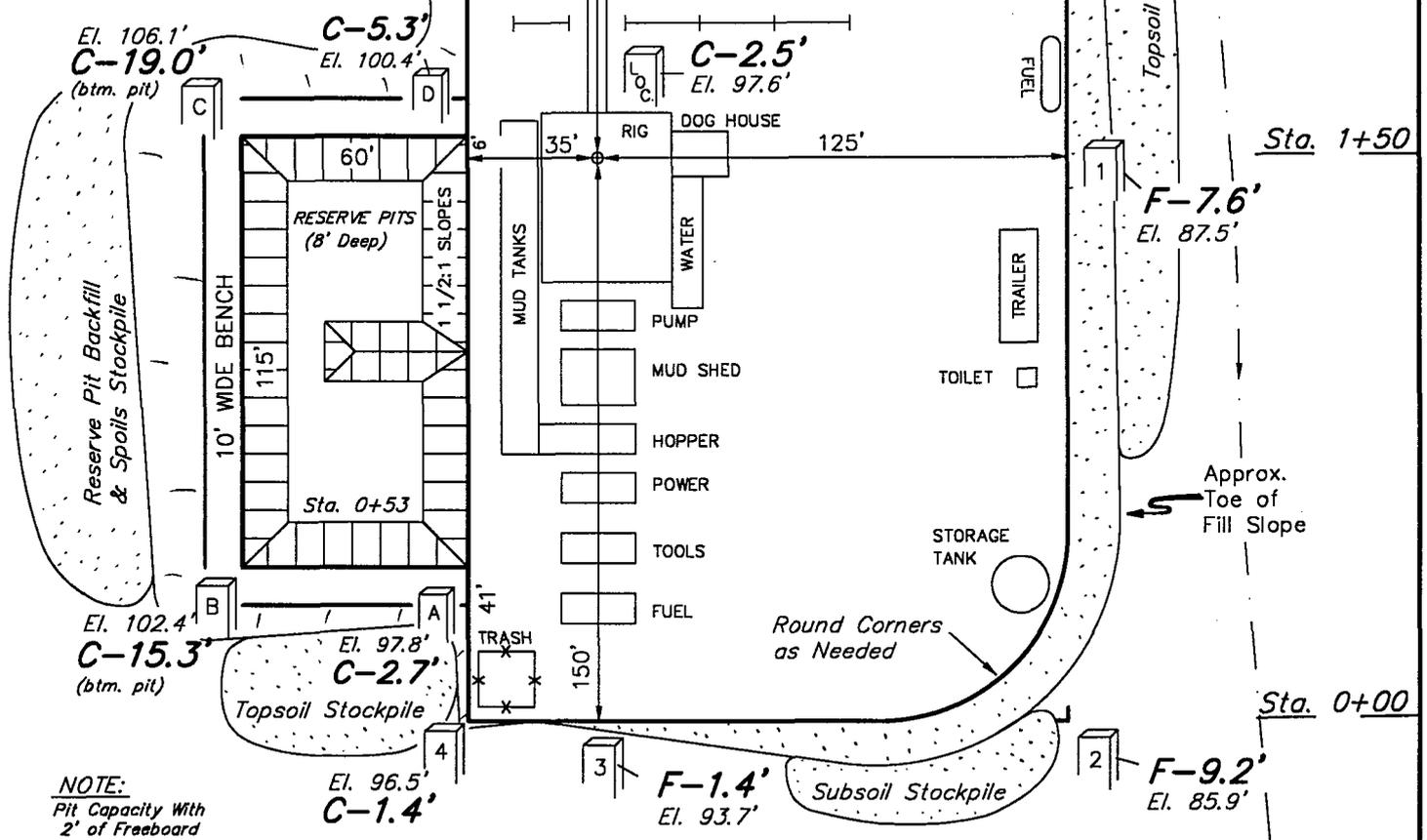
SCALE: 1" = 50'  
DATE: 06-04-98  
Drawn By: D.R.B.

**NOTE:**

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



Approx. Top of Cut Slope

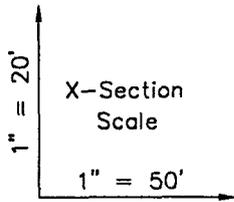


**NOTE:**  
Pit Capacity With 2' of Freeboard is ±4,110 Bbls.

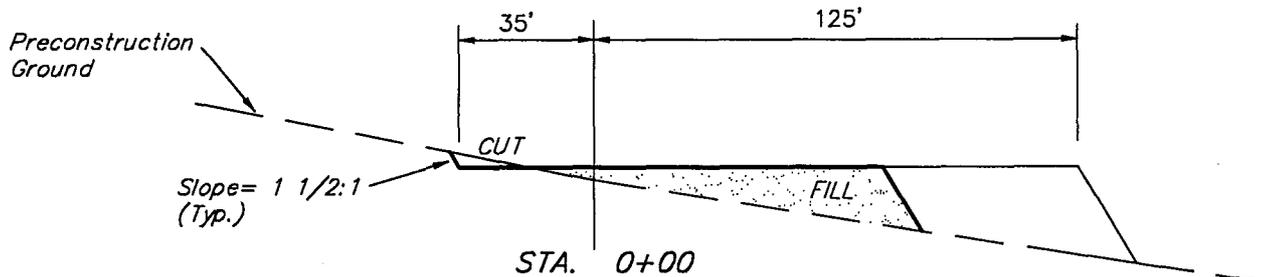
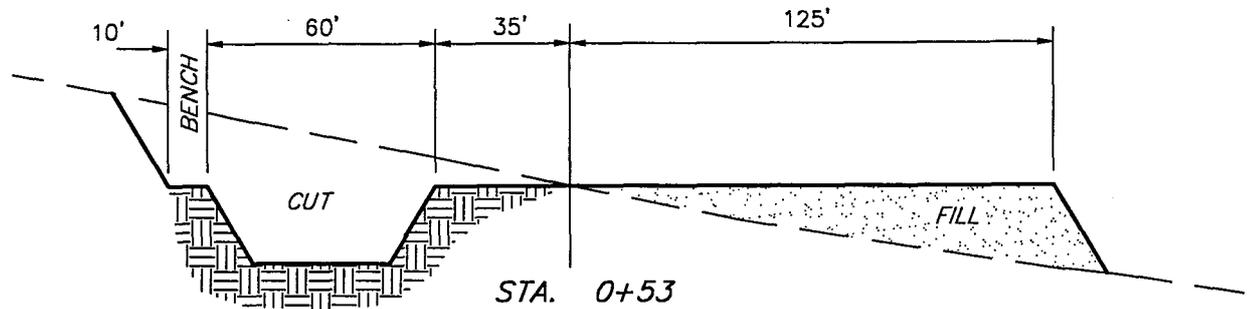
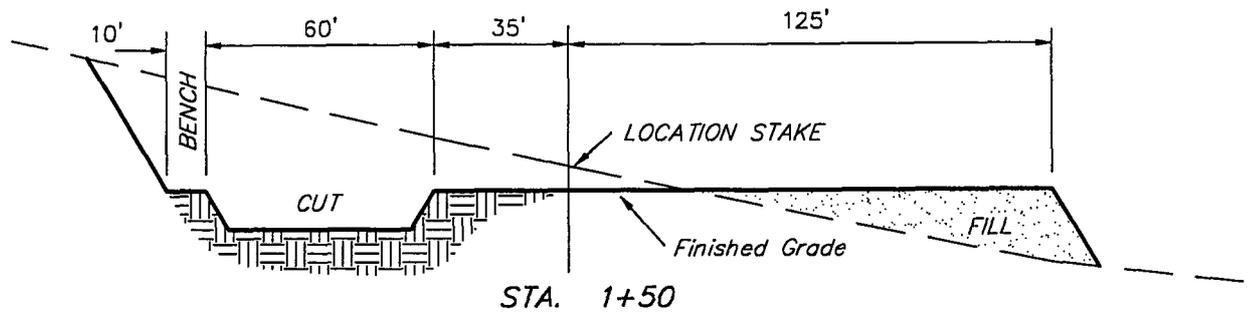
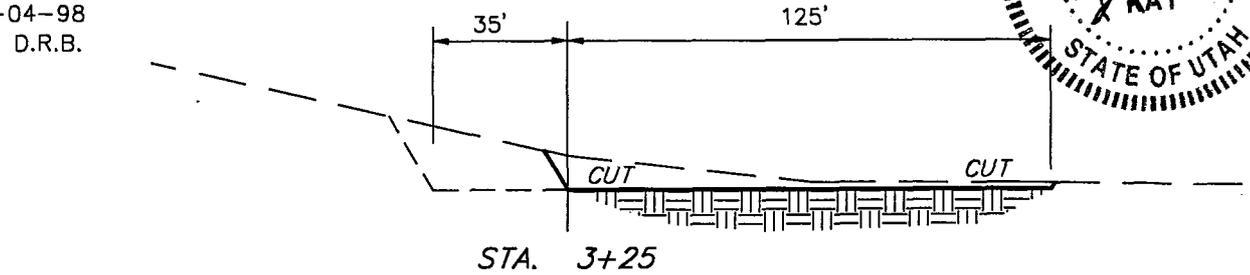
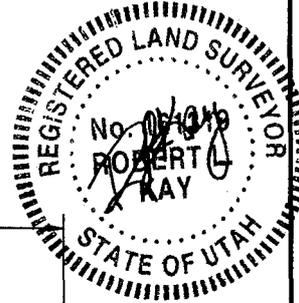
Elev. Ungraded Ground at Location Stake = 6097.6'  
Elev. Graded Ground at Location Stake = 6095.1'

CHANDLER & ASSOCIATES, INC.

TYPICAL CROSS SECTIONS FOR  
 WEST DESERT SPRING #11-20-10-17  
 SECTION 20, T10S, R17E S.L.B.&M.  
 1950' FSL 2211' FWL



DATE: 06-04-98  
 Drawn By: D.R.B.



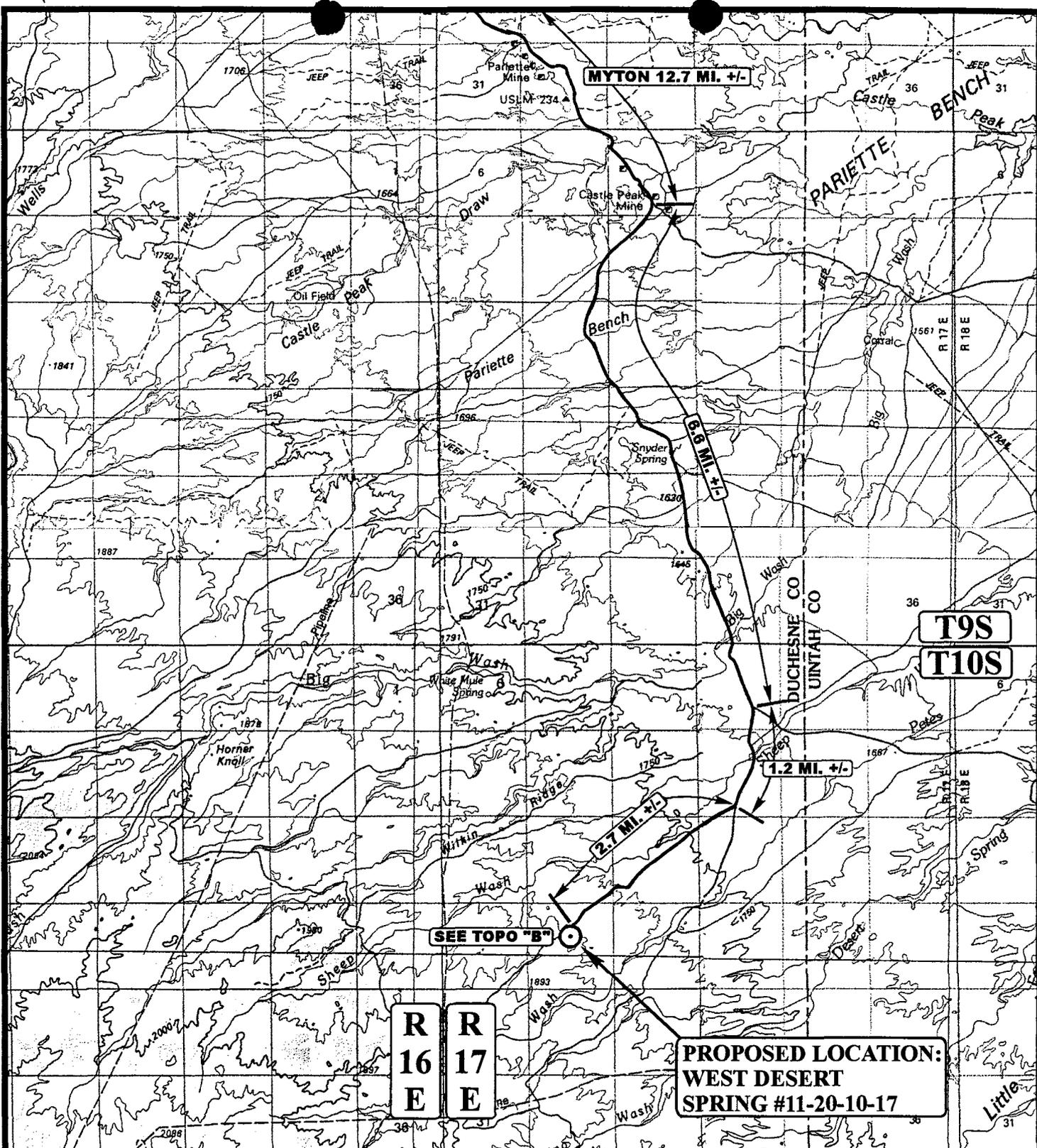
APPROXIMATE YARDAGES

(6") Topsoil Stripping = 1,090 Cu. Yds.  
 Remaining Location = 6,140 Cu. Yds.

TOTAL CUT = 7,230 CU.YDS.  
 FILL = 5,130 CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION = 1,830 Cu. Yds.  
 Topsoil & Pit Backfill (1/2 Pit Vol.) = 1,830 Cu. Yds.  
 EXCESS UNBALANCE (After Rehabilitation) = 0 Cu. Yds.

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



**PROPOSED LOCATION:  
WEST DESERT  
SPRING #11-20-10-17**

**LEGEND:**

⊙ PROPOSED LOCATION

**CHANDLER & ASSOCIATES, INC.**

**WEST DESERT SPRING #11-20-10-17  
SECTION 20, T10S, R17E, S.L.B.&M.  
1950' FSL 2211' FWL**



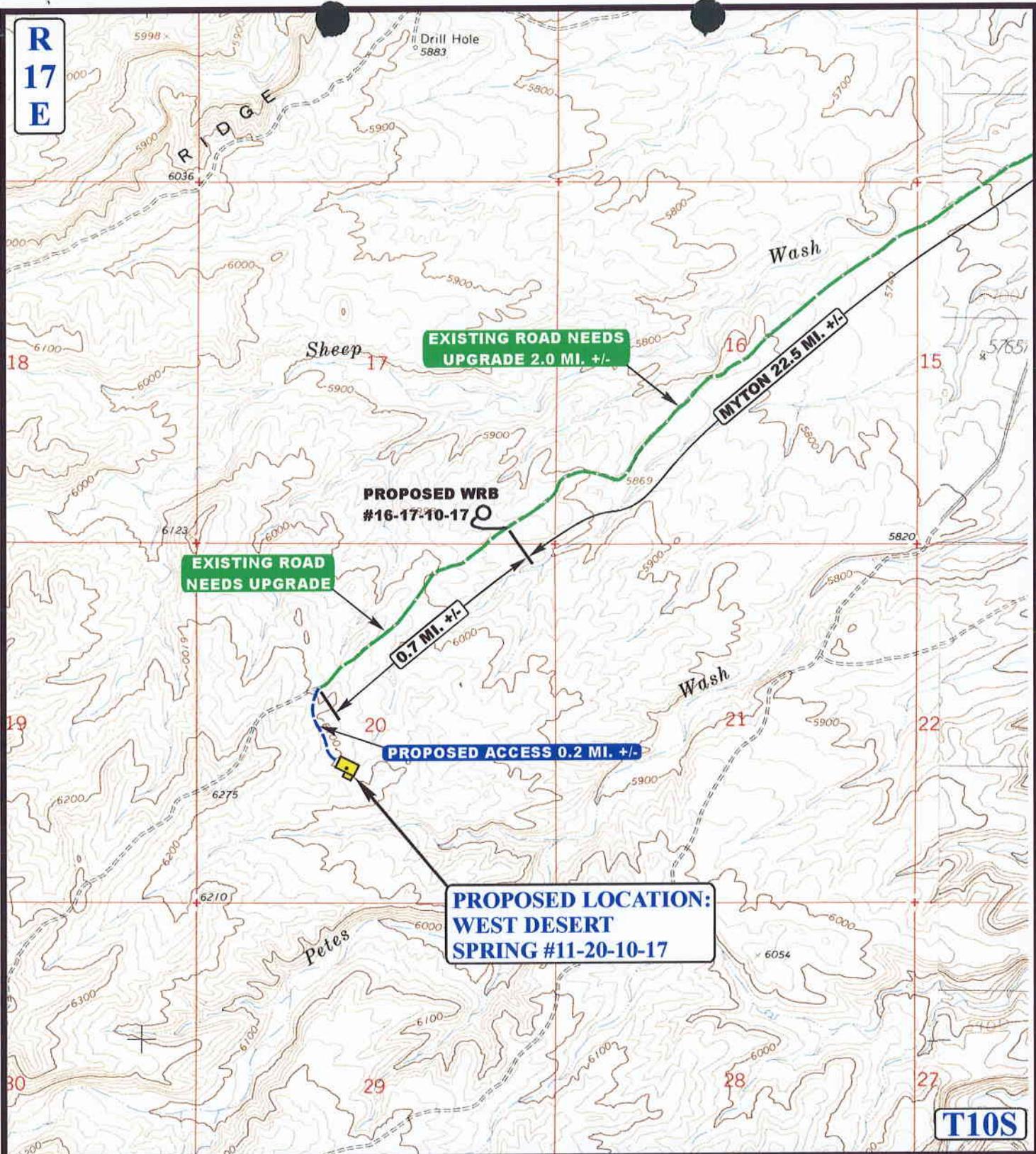
**Uintah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813



**TOPOGRAPHIC MAP**  
6 9 98  
MONTH DAY YEAR  
SCALE: 1:100,000 DRAWN BY: D.COX REVISED: 00-00-00



R  
17  
E



T10S

**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING ROAD

**CHANDLER & ASSOCIATES, INC.**

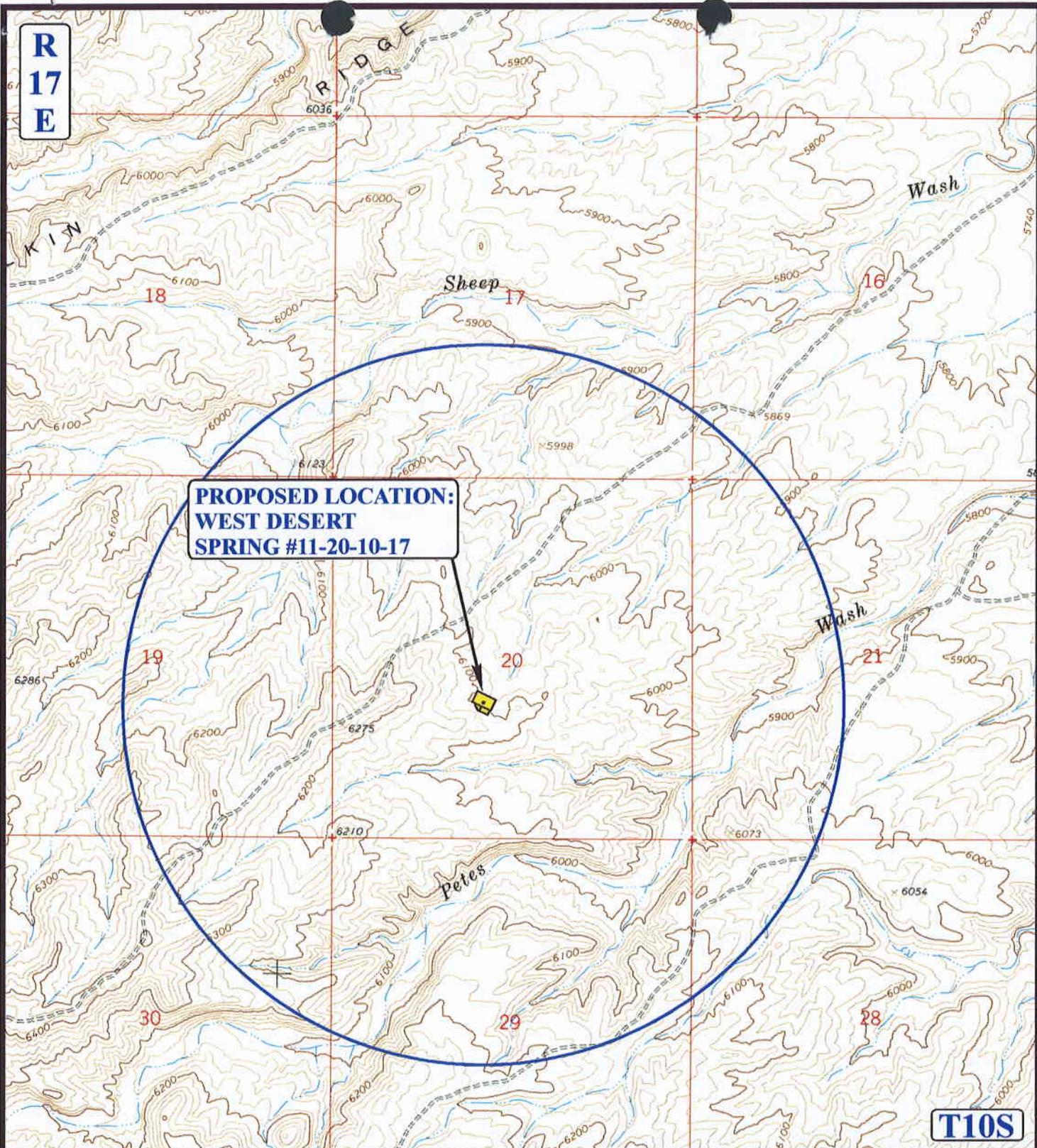
**WEST DESERT SPRING #11-20-10-17**  
**SECTION 20, T10S, R17E, S.L.B.&M.**  
**1950' FSL 2211' FWL**



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

**TOPOGRAPHIC MAP** **6 9 98**  
 MONTH DAY YEAR  
 SCALE: 1" = 2000' DRAWN BY: D.COX REVISED: 00-00-00 **B**  
 TOPO

R  
17  
E



**PROPOSED LOCATION:  
WEST DESERT  
SPRING #11-20-10-17**

**T10S**

**LEGEND:**

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



**CHANDLER & ASSOCIATES, INC.**

**WEST DESERT SPRING #11-20-10-17  
SECTION 20, T10S, R17E, S.L.B.&M.  
1950' FSL 2211' FWL**



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

**TOPOGRAPHIC  
MAP**

**6 9 98**  
MONTH DAY YEAR

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



WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 06/18/98

API NO. ASSIGNED: 43-013-32088

WELL NAME: WEST DESERT SPRING 11-20-10-17  
 OPERATOR: CHANDLER & ASSOCIATES INC (N3320)  
 CONTACT: Teiry Cox (303) 295-0400

PROPOSED LOCATION:  
 NESW 20 - T10S - R17E  
 SURFACE: 1950-FSL-2211-FWL  
 BOTTOM: 1950-FSL-2211-FWL  
 DUCHESNE COUNTY  
 UNDESIGNATED FIELD (002)

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

LEASE TYPE: FED  
 LEASE NUMBER: U-75083  
 SURFACE OWNER: Federal

PROPOSED FORMATION: WSTC

RECEIVED AND/OR REVIEWED:

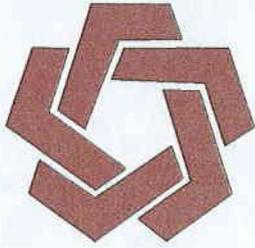
Plat  
 Bond: Federal  State  Fee   
 (No. #124290364)  
 Potash (Y/N)  
 Oil Shale (Y/N) \*190-5(B)  
 Water Permit  
 (No. 43-1723)  
 RDCC Review (Y/N)  
 (Date: \_\_\_\_\_)  
 St/Fee Surf Agreement (Y/N)

LOCATION AND SITING:

R649-2-3. Unit West River bend  
 R649-3-2. General  
 R649-3-3. Exception  
 Drilling Unit  
 Board Cause No: \_\_\_\_\_  
 Date: \_\_\_\_\_

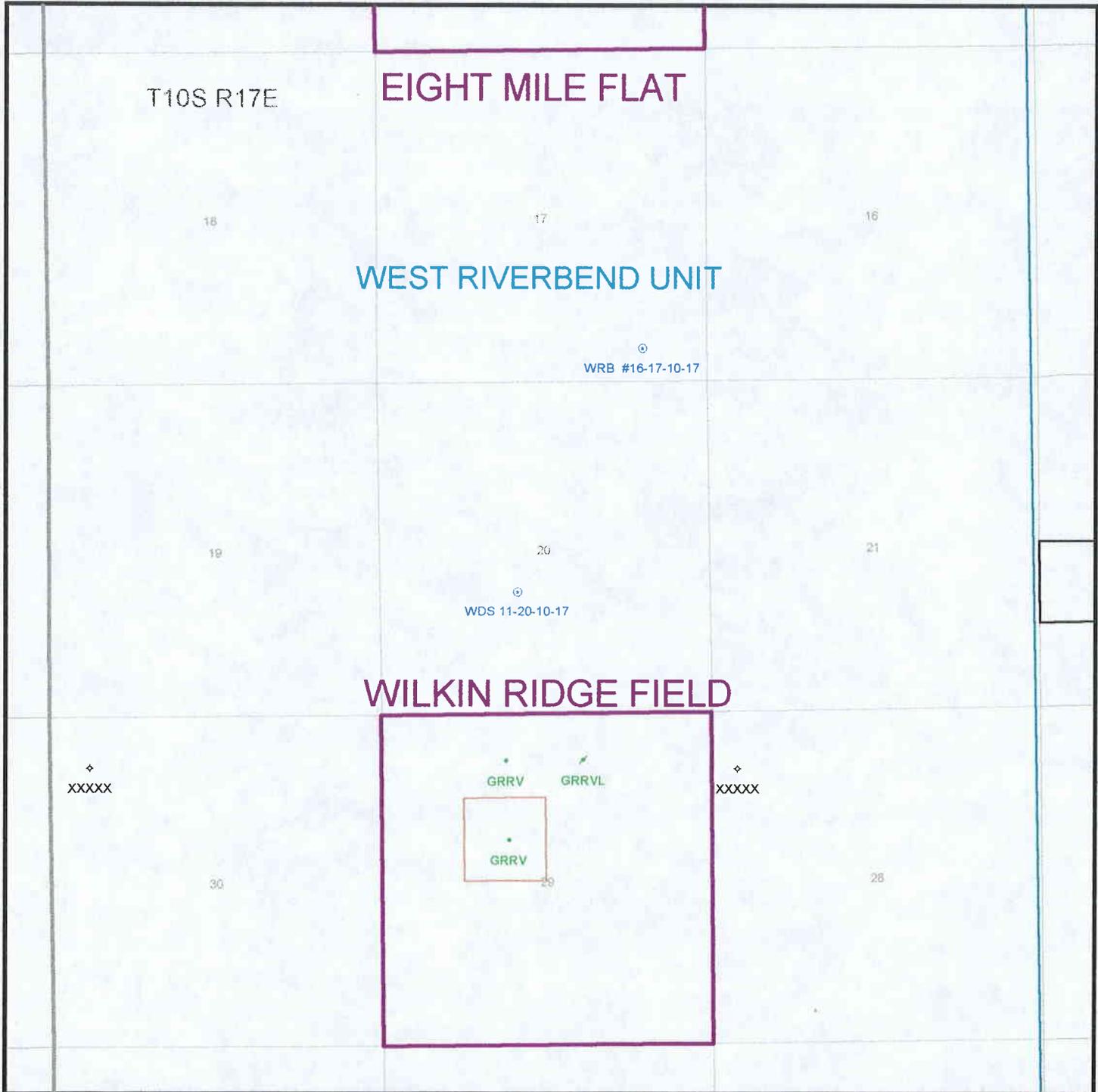
COMMENTS: \* Not listed in Unit P.O.D. BLM/SL added 6-25-98.

STIPULATIONS: ① FEDERAL APPROVAL



DIVISION OF OIL, GAS & MINING

OPERATOR: CHANDLER & ASSOCIATES (N3320)  
FIELD: UNDESIGNATED (002)  
SEC. 20, TWP 10S, RNG 17E  
COUNTY: DUCHESNE UAC: R649-2-3 WEST RIVERBEND UNIT



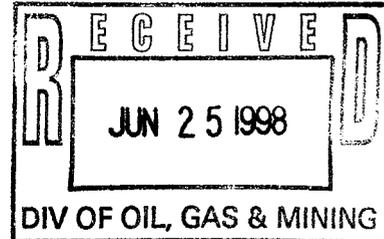
United States Department of the Interior

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

IN REPLY REFER TO:  
3160  
(UT-922)

Memorandum

To: Assistant District Manager Minerals, Vernal District  
From: Michael Coulthard, Petroleum Engineer  
Subject: 1998 Plan of Development West River Bend Unit  
Duchesne County, Utah.



Pursuant to email between Lisha Cordova, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management. The following well is planned for calendar year 1998 within the West River Bend Unit, Duchesne County, Utah.

API #	WELL NAME	LOCATION
43-013-32088	WEST DESERT SPRING	11-20-10-17 1950-FSL-2211-FWL 20 10S 17E

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

/s/ Michael L. Coulthard

bcc: File - West River Bend Unit  
Division of Oil Gas and Mining  
Agr. Sec. Chron  
Fluid Chron

MCoulthard:mc:06/25/98



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

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

Michael O. Leavitt  
Governor

Lowell P. Braxton  
Division Director

June 25, 1998

Chandler & Associates, Inc.  
475 Seventeenth Street, Suite 1000  
Denver, Colorado 80202

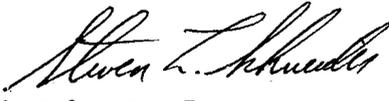
Re: West Desert Spring 11-20-10-17 Well, 1950' FSL, 2211' FWL,  
NE SW, Sec. 20, T. 10 S., R. 17 E., Duchesne County, Utah

Gentlemen:

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

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-32088.

Sincerely,

  
for John R. Baza  
Associate Director

lwp

Enclosures

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

Operator: Chandler & Associates, Inc.  
Well Name & Number: West Desert Spring 11-20-10-17  
API Number: 43-013-32088  
Lease: U-75083  
Location: NE SW Sec. 20 T. 10 S. R. 17 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 prior to spudding the well or commencing drilling operations. Contact Jim Thompson at (801)538-5336.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Dan Jarvis at (801) 538-5338 or Robert Krueger at (801) 538-5274.

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.

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

DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

SPUDDING INFORMATION

Name of Company: CHANDLER & ASSOCIATES

Well Name: WEST DESERT SPRINGS 11-20-10-17

Api No. 43-013-32088 Lease Type: FEDERAL

Section 20 Township 10S Range 17E County DUCHESNE

Drilling Contractor

Rig #

SPUDDED:

Date 7/27/98

Time

How ROTARY

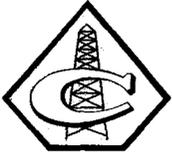
Drilling will commence

Reported by JIM SIMINGTON

Telephone # 1-435-790-5467

Date: 7/27/98 Signed: MKH

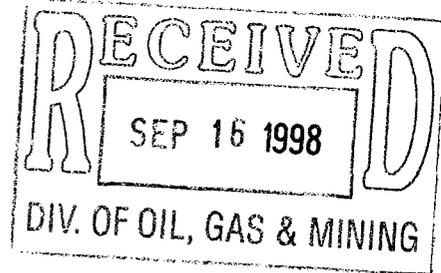
✓



**CHANDLER & ASSOCIATES, LLC**

475 17TH ST. • SUITE 1000 • DENVER, COLORADO 80202 • 303 295-0400  
OIL & GAS EXPLORATION AND PRODUCTION FAX 303 295-0222

September 14, 1998



STATE OF UTAH  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801

**RE: Well Information Confidentiality**

Chandler & Associates, Inc., as operator of the well listed below, respectively requests that all information and logs regarding this well be held confidential.

W. Desert Spring #11-20-10-17  
NESW Section 20, T10S R17E  
Duchesne County, Utah  
API #43 013 32088

Should you have any questions or need any additional information, please feel free to contact me at (303) 295-0400.

Sincerely,

Thomas D. Taylor  
Production Geologist

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

OPERATOR Chandler & Assoc., LLC  
 ADDRESS 475 17th Street, Suite 1000  
Denver, CO 80202-4016

OPERATOR ACCT. NO. #3320

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION				COUNTY	SPUD DATE	EFFECTIVE DATE
					TD	SC	TP	RG			
B	99999	12497	43-013-32084	Wilkin Ridge 13-23-10-16	SWSW	23	10S	16E	Duchesne	7-8-98	1-12-99

WELL 1 COMMENTS: 990113 entity added; (West River Bend unit) KDR

**CONFIDENTIAL**

B	99999	12497	43-013-32088	W. Desert Spring 11-20-10-17	NESW	20	10S	17E	Duchesne	7-24-98	1-12-99
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WELL 2 COMMENTS: 990113 entity added; (West River Bend unit) KDR

**CONFIDENTIAL**

A	99999	12523	43-047-33162	Desert Spring 3-29-10-18	NWNE	29	10S	18E	Uintah	9-11-98	1-12-99
---	-------	-------	--------------	--------------------------	------	----	-----	-----	--------	---------	---------

WELL 3 COMMENTS: 990113 entity added. KDR

**CONFIDENTIAL**

A	99999	12524	43-047-33177	Sage Grouse 12A-14-8-22	NWSW	14	8S	22E	Uintah	10-3-98	1-12-99
---	-------	-------	--------------	-------------------------	------	----	----	-----	--------	---------	---------

WELL 4 COMMENTS: 990113 entity added. KDR

**CONFIDENTIAL**

Post-It® Fax Note 7671		Date	# of pages
To	Crista Rizbeck	1-13-99	1
Co./Dept.	Utah O&G M	From	Jana Pennell
Phone #		Co.	Chandler & Assoc.
Fax #	801-359-3940	Phone #	970-675-8451
		Fax #	970-675-5154

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 COMMENTS section to explain why each Action Code was selected.

(3/89)

Jim Simonton  
 Signature  
 Oper. Supervisor 1-12-99  
 Title Date  
 Phone No. 970, 675-8451

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

SUBMIT IN **DATE\***  
(Other in-  
structions on  
reverse side)

FORM APPROVED  
OMB NO. 1004-0137  
Expires: February 28, 1995

5. LEASE DESIGNATION AND SERIAL NO.  
**UTU-77106-X**

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG\***

1a. TYPE OF WORK  
 OIL WELL  GAS WELL  DRY

1b. TYPE OF WELL  
 NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESVR.  Other \_\_\_\_\_

**CONFIDENTIAL**

7. UNIT AGREEMENT NAME  
**West River Bend**

8. FARM OR LEASE NAME, WELL NO.  
**W. Desert Spring 11-20-10-17**

2. NAME OF OPERATOR  
**Chandler & Associates, LLC**

9. API WELL NO.  
**43-013-32088**

3. ADDRESS AND TELEPHONE NO.  
**475 17th Street, Suite 1000, Denver, Colorado 80202 Rangely 970-675-8451**

10. FIELD AND POOL OR WILDCAT  
**Wildcat**

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)\*  
 At Surface  
**1950' FSL, 2211' FWL, NESW**  
 At top prod. Interval reported below  
**Same**  
 At total depth  
**Same**

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
**Sec. 20, T10S, R17E SLB&M**

12. COUNTY OR PARISH  
**Duchesne**

13. STATE  
**Utah**

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
	<b>07/20/98</b>	<b>Duchesne</b>	<b>Utah</b>
15. DATE SPUDDED <b>7-24-98</b>	16. DATE T.D. REACHED <b>8-3-98</b>	17. DATE COMPL. (Ready to prod.) <b>9-29-98</b>	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* <b>6098' GR, 6108' KB</b>
19. ELEV. CASINGHEAD		19. ELEV. CASINGHEAD	
20. TOTAL DEPTH, MD & TVD <b>5314' MD 5314' TVD</b>		21. PLUG, BACK T.D., MD & TVD <b>4810' TD 4810' MD 4810' TVD</b>	22. IF MULTIPLE COMPL., HOW MANY* <b>0-TD</b>
23. INTERVALS		ROTARY TOOLS	CABLE TOOLS
DRILLED BY <b>→</b>		<b>0-TD</b>	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\*  
**Wasatch - 5140' - TD**

25. WAS DIRECTIONAL SURVEY MADE  
**No**

26. TYPE ELECTRIC AND OTHER LOGS RUN  
**CDL/CNL/GR, DIGL/GR, CBL/VDL/GR 9-10-98**

27. WAS WELL CORED  
**No**

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

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
<b>8-5/8"</b>	<b>24#</b>	<b>255'</b>	<b>12-1/4"</b>	<b>Cement w/180 sks Class G</b>	<b>None</b>
<b>5-1/2"</b>	<b>15.5#</b>	<b>4905'</b>	<b>7-7/8"</b>	<b>Cement w/200 sks Premium G</b>	<b>None</b>

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					<b>2-7/8"</b>	<b>4490'</b>	

31. PERFORATION RECORD (Interval, size and number)			32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
INTERVAL	SIZE	NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
<b>4548' - 4562'</b>		<b>56</b>	<b>4548' - 4562'</b>	<b>7400# 20/40</b>

33.\* PRODUCTION

DATE FIRST PRODUCTION: **N/A** PRODUCTION METHOD (Flowing, gas lift, pumping--size and type, pump): \_\_\_\_\_ WELL STATUS (Producing or shut-in): **Shut-in**

DATE OF TEST: <b>N/A</b>	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL-BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)	

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

**CONFIDENTIAL  
PERIOD EXPIRED  
ON 10-29-99**

35. LIST OF ATTACHMENTS  
**Wellbore diagram**

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

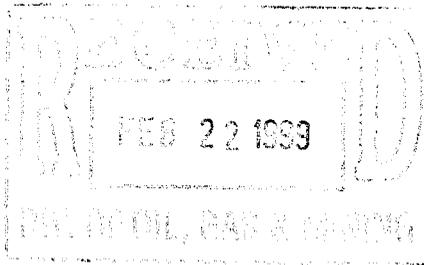
SIGNED Jim Swinton jsp TITLE **Operations/Production Supervisor** DATE **02/19/99**

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

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

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			No cores or tests	Uintah		Surface
				Green River		1850'
				Wasatch		5140'



Well Name: West Desert Spring 11-20-10-17  
 Location: NESW Sec. 20, T10S, R17E  
 Field: West River Bend Unit  
 Spud Date: 7-24-98  
 Completed: 9-29-98

Date: 9-29-98  
 County: Duchesne  
 State: Utah  
 Elev.-KB: 6108' (10')  
 Elec.-GR: 6098'

Surface Casing →  
 8-5/8" 24# set @ 255'  
 Cemented w/180 sks Class G

Production Casing →  
 5-1/2" 15.5# set @ 4905'  
 Cemented w/200 sks Premium G  
 w/additives

Tubing →  
 138 jts. 2-7/8" 8rd J-55

SN @ 4461'  
 1 jt. 2-7/8" (tubing tail) @ 4490' →

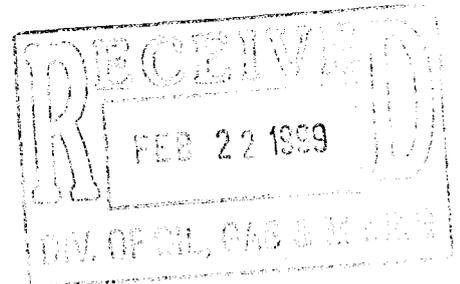
Rod & Pump Detail:

TOC @ 3950'

Perfs:  
 4548' - 4562' w/4 spf (56 holes)  
 Treat w/750 gal. xylene  
 Frac w/7400# 20/40

(Fill)	PBTD 4773'
	TD 5314'

IP:



OPERATOR Chandler & Assoc., LLC  
 ADDRESS 475 17th Street, Suite 1000  
Denver, CO 80202-4016

OPERATOR ACCT. NO. 4

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QR	SC	TP	RG	COUNTY		
A			43-013-32084	Wilkin Ridge 13-23-10-16	SWSW	23	10S	16E	Duchesne	7-8-98	1-12-99
WELL 1 COMMENTS:											
A			43-013-32088	W. Desert Spring 11-20-10-17	NESW	20	10S	17E	Duchesne	7-24-98	1-12-99
WELL 2 COMMENTS:											
A			43-047-33162	Desert Spring 3-29-10-18	NWNE	29	10S	18E	Uintah	9-11-98	1-12-99
WELL 3 COMMENTS:											
A			43-047-33177	Sage Grouse 12A-14-8-22	NWSW	14	8S	22E	Uintah	10-3-98	1-12-99
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.

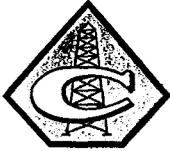
(3/89)

Jim Simonton  
 Signature  
 Oper. Supervisor 1-12-99  
 Title Date  
 Phone No. 970, 675-8451

04/21/98 TUE 09:08 FAX 303.265.0222  
 APR-21-98 TUE 08:18 AM D:\OIL GAS AND MINING PHA\NJ, Gu...  
 CHANDLER & ASSOC.  
 RANGLY

PAGE.001  
 950222  
 APR 21 '98 09:16

CONFIDENTIAL



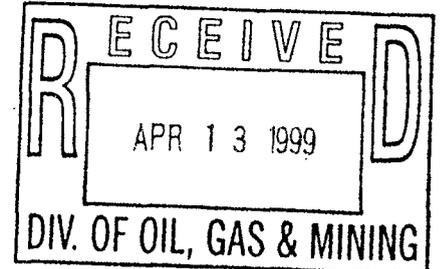
**CHANDLER & ASSOCIATES, LLC**

475 17TH ST. • SUITE 1000 • DENVER, COLORADO 80202 • 303 295-0400

OIL & GAS EXPLORATION AND PRODUCTION

FAX 303 295-0222

April 9, 1999



State of Utah  
Department of Natural Resources  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, Utah 84114-5801

T105 R17E Sec 20  
43-013-32088

RE: Well Logs

Enclosed are copies of Spectral Density DSN for 16-19-10-18. Cement Bond Log and Spectral Density DSN for 16-17-10-17. Cement Bond Log for 3-12-10-15. Dual Induction Guard Log Gamma Ray and Compensated Density Compensated Neutron Gamma Ray for 11-20-10-17. Spectral Density Dual Spaced Neutron, High Resolution Induction, and Cement Bond Log for 13-23-10-16 that you requested. If you have any questions, please contact me at 303 295-0400.

Sincerely,

CHANDLER AND ASSOCIATES, LLC

Robin L. Sydnor  
Production Technician



# 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-931)

February 7, 2000

Chandler and Associates, LLC  
475 17<sup>TH</sup> Street Suite 1000  
Denver, CO 80202

Re: ~~West Riverbend Unit~~  
Duchesne County, Utah

Gentlemen:

In a letter dated September 21, 1999, we established October 19, 1999 as the next obligation date for the West Riverbend Unit Agreement. The extension was predicated on the difficulty encountered while preparing to drill the desired obligation well. Operations were commenced at the obligation well; however, a decision was taken by you not to drill the well at this time. As such, we consider the obligation for the West Riverbend Unit Agreement not to have been met. Therefore, the West Riverbend Unit Agreement is considered automatically ~~terminated effective October 20, 1999.~~

We appreciated the effort you placed in exploring and establishing production within the West Riverbend unit area. In the future if you desire to unitize this area, we would look favorably upon the request.

Sincerely,

/s/ Robert A. Henricks

R.A. Henricks  
Chief, Branch of Fluid Minerals

bcc: ~~West Riverbend Unit~~  
Trust Lands Administration  
Forestry, Fire and State Lands  
Minerals Management Service  
Vernal Field Office (UT-080)  
Minerals Adjudication (UT-932)  
West Riverbend Unit  
Agr. Sec. Chron  
Fluid Chron

RECEIVED  
FEB 08 2000  
DIVISION OF  
OIL, GAS AND MINING



**From:** Steve Schneider  
**To:** Anthony Milne  
**Date:** 7/20/04 5:03PM  
**Subject:** Re: Pendragon Energy - N2965

Yes, we audited Pendragon for the period 3/00 - 2/02. The only production audit finding was an improper inventory reporting procedure. Pendragon reported a calculated ending inventory (prior month EI + production - sales) rather than an actual inventory from the pumper's gauge.

Regarding Entity #12497, Earlene Russell of our staff will check into this entity # assignment. On the surface, it does appear the wells in this former unit entity # should have separate entities, and her predecessor may have missed that step when the unit was terminated.

>>> Anthony Milne 07/20/04 04:13PM >>>  
Steve,

I'm starting a federal royalty audit on Pendragon Energy Partners, Inc. for the period 01/01/2001 to 12/31/2003. Have you audited them? Also, I have some questions about entity number 12497, and wells 4301331888 and 4301332057. Supposedly the unit was canceled 10/31/1999 according to MMS. For Federal purposes, Pendragon reports the two producing wells in two different leases; therefore, they should have two different entity numbers. The two wells are also reported in two different fields.

I would appreciate any information you could give me about this entity and these wells.

Thanks,

Anthony Milne  
Auditor - Oil & Gas  
(801) 297-4672  
[amilne@utah.gov](mailto:amilne@utah.gov)

**CC:** Earlene Russell

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER: SHUT-IN		5. Lease Designation and Borehole Number: UTU-77106-X
2. Name of Operator: PENDRAGON ENERGY PARTNERS, INC.		6. If Indian, Allocated or Tribe Name:
3. Address and Telephone Number: 621 17TH STREET, #750, DENVER, CO 80293 (303) 296-9402		7. Unit Agreement Name
4. Location of Well: NE/SW Footages: 1950' FSL, 2211' FWL DQ Sec., T., R., M.: SECTION 20, T10S, R17E		8. Well Name and Number: W. DESERT SPRING 11-20-10-17
		9. API Well Number: 43-013-32088
		10. Field and Pool, or Wildcat: WILDCAT
		Country: DUCHESNE State: UTAH

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

**NOTICE OF INTENT**  
(Submit in Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon                   | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing             | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Recomplete           |
| <input type="checkbox"/> Convert to Injection      | <input type="checkbox"/> Reperforate          |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion       | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other _____               |   |

Approximate date work will start \_\_\_\_\_

**SUBSEQUENT REPORT**  
(Submit Original Form Only)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon                             | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing                       | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans                     | <input type="checkbox"/> Reperforate          |
| <input type="checkbox"/> Convert to Injection                | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat or Acidize           | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other CHANGE OF OPERATOR |   |

Date of work completion \_\_\_\_\_

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

OPERATOR CHANGED FROM SHENANDOAH ENERGY, INC. (FORMERLY CHANDLER & ASSOCIATES, INC.) TO PENDRAGON ENERGY PARTNERS, INC. EFFECTIVE MARCH 1, 2000.

BE ADVISED THAT PENDRAGON ENERGY PARTNERS, INC. IS CONSIDERED TO BE THE OPERATOR OF THE ABOVE DESCRIBED LANDS AND IS RESPONSIBLE UNDER THE TERMS AND CONDITIONS OF THE LEASES FOR THE OPERATIONS CONDUCTED ON THE LEASED LANDS OR PORTIONS THEREOF. BOND COVERAGE FOR THESE LEASES IS PROVIDED BY STATEWIDE BOND RLBO001758, PRINCIPAL, PENDRAGON ENERGY PARTNERS, INC.

13.

Name & Signature:

ALAN B. NICOL

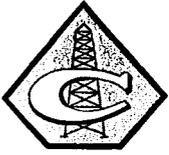
Title:

PRESIDENT

Date:

5/19/00

(This space for State use only)



**CHANDLER & ASSOCIATES, INC.**

475 17TH ST. • SUITE 1000 • DENVER, COLORADO 80202 • 303 295-0400  
OIL & GAS EXPLORATION AND PRODUCTION FAX 303 295-0222

Mr. Jim Thompson  
Department of Natural Resources  
Division of Oil, Gas and Mining  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

Fax: 801-539-3940

Subject: Resignation of Operator,  
West River Bend Project Area

Effective January 31, 2000, Chandler & Associates, LLC resigned as Operator under the West River Bend Project Area. Pendragon Energy Partners Inc. shall be the new Operator of the April 1, 1997 JOA.

Wells included in the West River Bend project Area:

A.P.I. #	ENTITY	WELL NAME	WELL #	LOCATION	FIELD NAME
43-047-33164-00	12496	DESERT SPRING	#16-19-10-18	SESE 19, 10S-18E	DESERT SPRING
43-047-3316200	12523	DESERT SPRING	#3-29-10-18	NWNE 29, 10S-18E	DESERT SPRING
43-013-3147700	12248	UTD WALTON	#26-03	NENW 26, 9S-16E	MONUMENT BUTTE
43-047-3275400	12003	FLU KNOLLS FED.	#23-3	NESW 3, 10S-18E	UTELAND BUTTE
43-047-32052-00	11468	DESERT SPRINGS FED.	#20-1	NESW 20, 10S-18E	WILDCAT
43-047-33163-00		DESERT SPRING	#7-30-10-18	SWNE 30, 10S-18-E	WILDCAT
43-013-32088-00	12497	W. DESERT SPRING	#11-20	NESW 20, 10S-17E	WILDCAT
43-013-32057-00	12497	W. RIVER BEND	#16-17-10-17	SESE 17, 10S-17E	WILDCAT
43-013-31888-00	12497	W. RIVER BEND	#3-12-10-15	NENW 12, 10S-15E	WILDCAT
43-013-32084-00	12497	WILKIN RIDGE	#13-23	SWSW 23, 10S-16E	WILDCAT

Please advise should you require more specific information.

Thanks,  
Tom Taylor

CC: Pendragon Energy Partners Inc.

**RECEIVED**

**JUN 30 2000**

**DIVISION OF  
OIL, GAS AND MINING**



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Vernal District Office

170 South 500 East

Vernal, Utah 84078-2799

<http://www.blm.gov/utah/vernal>

Phone: (435) 781-4400

Fax: (435) 781-4410

IN REPLY REFER TO:

3162.3

UT08300

June 23, 2000

Pendragon Energy Partners, Inc.  
621 17th Street, Ste 750  
Denver, CO 80293

Re: Well No. W. Desert Spring 11-20  
NESW, Sec. 20, T10S, R17E  
Lease UTU-75083  
Uintah County, Utah

Gentlemen:

This correspondence is in regard to the self-certification statement submitted requesting a change in operator for the referenced well. After a review by this office, the change in operator request is approved. Effective immediately, Pendragon Energy Partners, Inc. is responsible for all operations performed on the referenced well. All liability will now fall under your bond, BLM Bond No. UT1167, for all operations conducted on the referenced well on the leased land.

If you have any other questions concerning this matter, please contact Margie Herrmann or Leslie Crinklaw of this office at (435) 781-4410.

Sincerely,

Ed Forsman  
Petroleum Engineer  
Minerals Resources

cc: Division Oil, Gas & Mining

<p>STATE OF UTAH DEPARTMENT OF COMMERCE REGISTRATION  PENDRAGON RESOURCES II, L.P.</p> <p>EFFECTIVE 01/20/2000</p> <p>EXPIRATION *RENEWAL</p>	<p>REFERENCE NUMBER(S), CLASSIFICATION(S) &amp; DETAIL(S)</p> <p>Limited Partnership - Foreign 3106986-0181</p>
---	---

C T CORPORATION SYSTEM  
 PENDRAGON RESOURCES II, L.P.  
 1209 ORANGE ST  
 Wilmington DE 19801

STATE OF UTAH  
 DEPARTMENT OF COMMERCE  
 DIVISION OF CORPORATIONS & COMMERCIAL CODE  
 REGISTRATION

EFFECTIVE DATE: 01/20/2000

EXPIRATION DATE: \*RENEWAL

ISSUED TO: PENDRAGON RESOURCES II, L.P.



REFERENCE NUMBER(S), CLASSIFICATION(S) & DETAIL(S)

3106986-0181 Limited Partnership - Foreign

**\*RENEWAL**

You will need to renew your registration each anniversary date of the effective date.

Exceptions: DBAs and Business Trusts renew every three (3) years from the effective date.  
 Trademarks renew every ten (10) years from the effective date.

**OPERATOR CHANGE WORKSHEET**

<input type="checkbox"/>	4-KAS
<input checked="" type="checkbox"/> 2-CDW	5-SD
<input type="checkbox"/> 3-JLT	6-FILE

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

**Change of Operator (Well Sold)**

Designation of Agent

Operator Name Change Only

Merger

The operator of the well(s) listed below has changed, effective: 3-1-00

**TO:**(New Operator) PENDRAGON ENERGY PARTNERS INC      **FROM:**(Old Operator) CHANDLER & ASSOCIATES INC

Address: 621 17<sup>TH</sup> STREET, STE 750  
DENVER, CO 80293

Address: 475 17<sup>TH</sup> STREET, STE 1000  
DENVER, CO 80202

Phone: 1-(303)-296-9402

Phone: 1-(303)-295-0400

Account No. N2965

Account No. N3320

WELL(S):	CA Nos.	or	Unit
Name: <u>W. DESERT SPRING 11-20</u>	API: <u>43-013-32088</u>	Entity: <u>12497</u>	S <u>20</u> T <u>10S</u> R <u>17E</u> Lease: <u>U-75083</u>
Name: <u>UTD WALTON 26-03</u>	API: <u>43-013-31477</u>	Entity: <u>12248</u>	S <u>26</u> T <u>09S</u> R <u>16E</u> Lease: <u>UTU-67844</u>
Name: <u>DESERT SPRING 16-19-10-18</u>	API: <u>43-047-33164</u>	Entity: <u>12496</u>	S <u>19</u> T <u>10S</u> R <u>18E</u> Lease: <u>U-74408</u>
Name: <u>DESERT SPRING 3-29-10-18</u>	API: <u>43-047-33162</u>	Entity: <u>12523</u>	S <u>29</u> T <u>10S</u> R <u>18E</u> Lease: <u>U-74836</u>
Name: <u>FLU KNOLLS FEDERAL 23-3</u>	API: <u>43-047-32754</u>	Entity: <u>12003</u>	S <u>03</u> T <u>10S</u> R <u>18E</u> Lease: <u>U-68620</u>
Name: <u>DESERT SPRING FED 20-1</u>	API: <u>43-047-32052</u>	Entity: <u>11468</u>	S <u>20</u> T <u>10S</u> R <u>18E</u> Lease: <u>U-64420</u>
Name: <u>DESERT SPRING 7-30-10-18</u>	API: <u>43-047-33163</u>	Entity: _____	S <u>30</u> T <u>10S</u> R <u>18E</u> Lease: <u>U-74408</u>

**OPERATOR CHANGE DOCUMENTATION**

- YES 1. A pending operator change file has been set up.
- YES 2. (R649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator on 6-30-00.
- YES 3. (R649-8-10) Sundry or other legal documentation has been received from the **NEW** operator on 2-28-00.
- YES 4. The new company has been looked up in the **Department of Commerce, Division of Corporations Database** if the new operator above is not currently operating any wells in Utah. Is the operator registered with the State? **Yes/No** If yes, the company file number is SEE ATTACHED. If no, Division letter was mailed to the new operator on \_\_\_\_\_.
- YES 5. **Federal and Indian Lease Wells.** The BLM or the BIA has approved the merger, name change or **operator change** for all wells listed above involving Federal or Indian leases on 6-23-00.
- N/A 6. **Federal and Indian Units.** The BLM or the BIA has approved the successor of unit operator for all wells listed above involving unit operations on \_\_\_\_\_.
- N/A 7. **Federal and Indian Communitization Agreements ("CA").** The BLM or the BIA has approved the operator change for all wells listed above involved in the CA on \_\_\_\_\_.

N/A 8. **Underground Injection Control ("UIC") Program.** The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project and/or for the water disposal well(s) listed above.

YES 9. Changes have been entered in the **Oil and Gas Information System** for each well listed on 7-6-00.

YES 10. Changes have been included on the **Monthly Operator Change letter** on 7-6-00.

---

### STATE BOND VERIFICATION

N/A 1. State Well(s) covered by Bond No. \_\_\_\_\_.

---

### FEE WELLS - BOND VERIFICATION / LEASE INTEREST OWNER NOTIFICATION

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

N/A 2. A **copy of this form** has been placed in the **new and former operator's bond files** on \_\_\_\_\_.

N/A 3. The **FORMER** operator has requested a release of liability from their bond as of today's date \_\_\_\_\_? If yes, Division response was made to this request by letter dated \_\_\_\_\_. (see bond file).

N/A 4. (R649-2-10) The **Former** operator of any Fee lease wells listed above has been contacted and informed by letter dated \_\_\_\_\_, of their responsibility to notify all interest owners of this change.

N/A 5. Bond information added to **RBDMS** on \_\_\_\_\_.

N/A 6. Fee wells attached to bond in **RBDMS** on \_\_\_\_\_.

---

### FILMING

✓ 1. All attachments to this form have been **microfilmed** on APR 24 2001.

---

### FILING

\_\_\_\_ 1. **Originals/Copies** of all attachments pertaining to each individual well have been filed in each **well file**.

\_\_\_\_ 2. The **original of this form** has been filed in the operator file and a copy in the old operator file.

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### COMMENTS

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

**ROUTING**

- |        |
|--------|
| 1. DJJ |
| 2. CDW |

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

Operator Name Change/Merger

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

**12/15/2009**

<b>FROM: (Old Operator):</b> N2965-Pendragon Energy Partners, Inc. 468 South Reed St. Lakewood, CO 80226  Phone: 1 (303) 296-9402	<b>TO: (New Operator):</b> N5085-Questar E&P Company 1050 17th St, Suite 500 Denver, CO 80265  Phone: 1 (303) 672-6900
--	---

**CA No.**

**Unit:**

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
WEST RIVER BEND 3-12-10-15	12	100S	150E	4301331888	14542	FEDERAL	OW	S
WEST RIVER BEND 16-17-10-17	17	100S	170E	4301332057	14543	FEDERAL	OW	S
WEST DESERT SPRING 11-20-10-17	20	100S	170E	4301332088	14545	FEDERAL	OW	S
FLU KNOLLS FED 23-3	03	100S	180E	4304732754	12003	FEDERAL	OW	P

**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: 12/24/2009
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 12/24/2009
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 1/20/2010
- Is the new operator registered in the State of Utah:          Business Number: 764611-0143
- (R649-9-2) Waste Management Plan has been received on:          **IN PLACE**
- Inspections of LA PA state/fee well sites complete on: 1/12/2010 ok per DJJ
- 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** not yet **BIA**
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on:          **not yet**
- 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")** 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:          **1/12/2010**

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on:          **1/20/2010**
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on:          **1/20/2010**
- Bond information entered in RBDMS on:          **1/20/2010**
- Fee/State wells attached to bond in RBDMS on:          **1/20/2010**
- Injection Projects to new operator in RBDMS on:          **1/20/2010**
- 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:          **n/a**
- (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:          **not yet**

**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

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>U-75083</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		8. WELL NAME and NUMBER: <b>West Desert Spring 11-20-10-17</b>
2. NAME OF OPERATOR: <b>Questar Exploration &amp; Production Company</b>		9. API NUMBER: <b>4301332088</b>
3. ADDRESS OF OPERATOR: 1050 17th Street Suite 500   CITY Denver STATE CO ZIP 80265		10. FIELD AND POOL, OR WILDCAT: <b>Eight Mile Flat</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>1950' FSL, 2211' FWL</b>		COUNTY: <b>Duchesne</b>
QTR/QR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NESW 20 10S 17E S</b>		STATE: <b>UTAH</b>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____  <input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" 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 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 12/15/09 Questar Exploration & Production Company was appointed operator of this well and agrees to be responsible under the terms and conditions of the lease for all oil and gas operations conducted on this lease. Bond coverage is provided by our bond # 965-003-033.

*Alan B. Nicol* 12/15/09  
 Alan B. Nicol Date  
 President  
 Pendragon Energy Partners, Inc. N 2965  
 468 South Reed Street  
 Lakewood, CO 80226  
 (303) 296-9402

*Jay Neese* 12-15-2009  
 Jay Neese Date  
 Executive Vice President  
 Questar Exploration and Production Company  
 1050 17th Street, Suite 500  
 Denver, CO 80265

**RECEIVED**  
**DEC 24 2009**  
 DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) <u>Chad Matney</u>	TITLE <u>Landman</u>
SIGNATURE <i>Chad Matney</i>	DATE <u>12-15-2009</u>

(This space for State use only)

APPROVED 01/20/2010  
 (5/2000) *Earlene Russell* (See Instructions on Reverse Side)  
 Division of Oil, Gas and Mining  
 Earlene Russell, Engineering Technician



# United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
Green River District-Vernal Field Office  
170 South 500 East  
Vernal, UT 84078  
(435) 781-4400 Fax: (435) 781-4410  
<http://www.blm.gov/ut/st/en/fo/vernal.html>



IN REPLY REFER TO:  
3162.3  
UTG011

April 7, 2010

J.B. Neese  
Questar Exploration and Production Company  
1050 17<sup>th</sup> Street, Suite 500  
Denver, CO 80265

43-013 32088

Re: Change of Operator  
Well No. West Desert Spring 11-20-10-17  
NESW, Sec. 20, T10S, R17E  
Duchesne County, Utah  
Lease No. UTU-75083

Dear Mr. Neese:

This correspondence is in regard to the self-certification statement submitted requesting a change of operator for the referenced well. After a review by this office, the change of operator request is approved. Effective December 15, 2009, Questar Exploration and Production Company is responsible for all operations performed on the referenced well. All liability will now fall under your bond, BLM Bond No. ESB000024, for all operations conducted on the referenced well on the leased land.

If you have any other questions regarding this matter, please contact Cindy Severson of this office at (435) 781-4455.

Sincerely,

Ryan Angus  
Petroleum Engineer

**RECEIVED**

**APR 27 2010**

Enclosure

cc: UDOGM  
III Exploration Co

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

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

DEC 28 2009

SUNDRY NOTICES AND REPORTS ON WELLS

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

BLM

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator **Questar Exploration & Production Company**

3a. Address  
**1050 17th Street Suite 500 Denver, CO 80265**

3b. Phone No. (include area code)  
**303-672-6900**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1950' FSL, 2211' FWL NESW 20 10S 17E.**

**VERNAL FIELD OFFICE**  
**ENG.**  
**GEO.**  
**PET.**  
**A.M.**

5. Lease Serial No.  
**U-75083**

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
**West Desert Spring 11-20-10-17**

9. API Well No.  
**43-013-32088**

10. Field and Pool, or Exploratory Area  
**Eight Mile Flat**

11. County or Parish, State  
**Duchesne County, UT**

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

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

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

Effective 12/15/09 Questar Exploration & Production Company was appointed operator of this well and agrees to be responsible under the terms and conditions of the lease for all oil and gas operations conducted on this lease. Bond coverage is provided by our bond # 965-003-033.

ESB 000024

965-002-976

Acknowledged by prior operator  
Pendragon Energy Partners, Inc.

*Alan B. Nicol* 12/15/09  
 Alan B. Nicol Date  
 President  
 Pendragon Energy Partners, Inc.  
 468 South Reed Street  
 Lakewood, CO 80226

J.B. Neese Date  
 Executive Vice President  
 Questar Exploration & Production Company  
 1050 17th St., Ste. 500  
 Denver, CO 80265

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

Name (Printed/Typed)  
**J.B. Neese, Executive Vice President**

Title  
**J.B. Neese, Executive Vice President**

Signature

Date  
**12-15-2009**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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

**Petroleum Engineer**

Date **APR 7 2010**

Office

**VERNAL FIELD OFFICE**

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

UDOGM

12/15/2009

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

CA No.

Unit:

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
See attached

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

7. UNIT or CA AGREEMENT NAME:  
See attached

8. WELL NAME and NUMBER:  
See attached

9. API NUMBER:  
Attached

10. FIELD AND POOL, OR WILDCAT:  
See attached

**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  GAS WELL  OTHER \_\_\_\_\_

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

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

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: See attached COUNTY: Attached  
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: STATE: UTAH

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

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

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

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

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

NAME (PLEASE PRINT) Morgan Anderson TITLE Regulatory Affairs Analyst  
SIGNATURE *Morgan Anderson* DATE 6/23/2010

(This space for State use only)

RECEIVED  
JUN 28 2010

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)  
effective June 14, 2010

well_name	sec	tpw	rng	api	entity	mineral lease	type	stat	C
WEST RIVER BEND 3-12-10-15	12	100S	150E	4301331888	14542	Federal	OW	P	C
WEST RIVER BEND 16-17-10-17	17	100S	170E	4301332057	14543	Federal	OW	P	
WEST DESERT SPRING 11-20-10-17	20	100S	170E	4301332088	14545	Federal	OW	S	
GD 8G-35-9-15	35	090S	150E	4301333821		Federal	OW	APD	C
GD 9G-35-9-15	35	090S	150E	4301333822		Federal	OW	APD	C
GD 10G-35-9-15	35	090S	150E	4301333823		Federal	OW	APD	C
GD 11G-35-9-15	35	090S	150E	4301333824		Federal	OW	APD	C
GD 12G-35-9-15	35	090S	150E	4301333825		Federal	OW	APD	C
GD 13G-35-9-15	35	090S	150E	4301333826		Federal	OW	APD	C
GD 1G-34-9-15	34	090S	150E	4301333827	16920	Federal	OW	P	
GD 2G-34-9-15	34	090S	150E	4301333828		Federal	OW	APD	C
GD 7G-34-9-15	34	090S	150E	4301333829		Federal	OW	APD	C
GD 7G-35-9-15	35	090S	150E	4301333830		Federal	OW	APD	C
GD 14G-35-9-15	35	090S	150E	4301333831		Federal	OW	APD	C
GD 15G-35-9-15	35	090S	150E	4301333832		Federal	OW	APD	C
GD 16G-35-9-15	35	090S	150E	4301333833	16921	Federal	OW	P	
GD 1G-35-9-15	35	090S	150E	4301333834		Federal	OW	APD	C
GD 2G-35-9-15	35	090S	150E	4301333835		Federal	OW	APD	C
GD 3G-35-9-15	35	090S	150E	4301333836		Federal	OW	APD	C
GD 4G-35-9-15	35	090S	150E	4301333837		Federal	OW	APD	C
GD 5G-35-9-15	35	090S	150E	4301333838		Federal	OW	APD	C
GD 6G-35-9-15	35	090S	150E	4301333839		Federal	OW	APD	C
GD 8G-34-9-15	34	090S	150E	4301333840		Federal	OW	APD	C
GD 9G-34-9-15	34	090S	150E	4301333841		Federal	OW	APD	C
GD 10G-34-9-15	34	090S	150E	4301333842		Federal	OW	APD	C
GD 15G-34-9-15	34	090S	150E	4301333843		Federal	OW	APD	C
GD 16G-34-9-15	34	090S	150E	4301333844		Federal	OW	APD	C
GOVT 18-2	18	230S	170E	4301930679	2575	Federal	OW	P	
FEDERAL 2-29-7-22	29	070S	220E	4304715423	5266	Federal	GW	TA	
UTAH FED D-1	14	070S	240E	4304715936	10699	Federal	GW	S	
UTAH FED D-2	25	070S	240E	4304715937	9295	Federal	GW	S	
PRINCE 1	10	070S	240E	4304716199	7035	Federal	GW	P	
UTAH FED D-4	14	070S	240E	4304731215	9297	Federal	GW	S	
ISLAND UNIT 16	11	100S	180E	4304731505	1061	Federal	OW	S	
EAST COYOTE FED 14-4-8-25	04	080S	250E	4304732493	11630	Federal	OW	P	
PRINCE 4	03	070S	240E	4304732677	7035	Federal	OW	P	
GH 21 WG	21	080S	210E	4304732692	11819	Federal	GW	P	
OU SG 6-14-8-22	14	080S	220E	4304732746	11944	Federal	GW	S	
FLU KNOLLS FED 23-3	03	100S	180E	4304732754	12003	Federal	OW	P	
GH 22 WG	22	080S	210E	4304732818	12336	Federal	GW	P	
OU GB 12W-20-8-22	20	080S	220E	4304733249	13488	Federal	GW	P	
OU GB 15-18-8-22	18	080S	220E	4304733364	12690	Federal	GW	P	
OU GB 3W-17-8-22	17	080S	220E	4304733513	12950	Federal	GW	P	
OU GB 5W-17-8-22	17	080S	220E	4304733514	12873	Federal	GW	P	
WV 9W-8-8-22	08	080S	220E	4304733515	13395	Federal	GW	P	
OU GB 9W-18-8-22	18	080S	220E	4304733516	12997	Federal	GW	P	
OU GB 3W-20-8-22	20	080S	220E	4304733526	13514	Federal	GW	P	
OU GB 12W-30-8-22	30	080S	220E	4304733670	13380	Federal	GW	P	
WV 10W-8-8-22	08	080S	220E	4304733814	13450	Federal	GW	P	
GH 7W-21-8-21	21	080S	210E	4304733845	13050	Federal	GW	P	
GH 9W-21-8-21	21	080S	210E	4304733846	13074	Federal	GW	P	

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Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)  
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well_name	sec	tpw	rng	api	entity	mineral lease	type	stat	C
GH 11W-21-8-21	21	080S	210E	4304733847	13049	Federal	GW	P	
GH 15W-21-8-21	21	080S	210E	4304733848	13051	Federal	GW	P	
WV 2W-9-8-21	09	080S	210E	4304733905	13676	Federal	GW	P	
WV 7W-22-8-21	22	080S	210E	4304733907	13230	Federal	GW	P	
WV 9W-23-8-21	23	080S	210E	4304733909	13160	Federal	GW	P	
GH 14W-20-8-21	20	080S	210E	4304733915	13073	Federal	GW	P	
OU GB 4W-30-8-22	30	080S	220E	4304733945	13372	Federal	GW	P	
OU GB 9W-19-8-22	19	080S	220E	4304733946	13393	Federal	GW	P	
OU GB 10W-30-8-22	30	080S	220E	4304733947	13389	Federal	GW	P	
OU GB 12W-19-8-22	19	080S	220E	4304733948	13388	Federal	GW	P	
GB 9W-25-8-21	25	080S	210E	4304733960	13390	Federal	GW	P	
SU 1W-5-8-22	05	080S	220E	4304733985	13369	Federal	GW	P	
SU 3W-5-8-22	05	080S	220E	4304733987	13321	Federal	OW	S	
SU 7W-5-8-22	05	080S	220E	4304733988	13235	Federal	GW	P	
SU 9W-5-8-22	05	080S	220E	4304733990	13238	Federal	GW	P	
SU 13W-5-8-22	05	080S	220E	4304733994	13236	Federal	GW	TA	
SU 15W-5-8-22	05	080S	220E	4304733996	13240	Federal	GW	P	
WV 8W-8-8-22	08	080S	220E	4304734005	13320	Federal	GW	P	
WV 14W-8-8-22	08	080S	220E	4304734007	13322	Federal	GW	S	
OU GB 6W-20-8-22	20	080S	220E	4304734018	13518	Federal	GW	P	
OU GB 5W-30-8-22	30	080S	220E	4304734025	13502	Federal	GW	P	
OU GB 11W-20-8-22	20	080S	220E	4304734039	13413	Federal	GW	P	
OU GB 4W-20-8-22	20	080S	220E	4304734043	13520	Federal	GW	P	
GH 5W-21-8-21	21	080S	210E	4304734147	13387	Federal	GW	P	
GH 6W-21-8-21	21	080S	210E	4304734148	13371	Federal	GW	P	
GH 8W-21-8-21	21	080S	210E	4304734149	13293	Federal	GW	P	
GH 10W-20-8-21	20	080S	210E	4304734151	13328	Federal	GW	P	
GH 10W-21-8-21	21	080S	210E	4304734152	13378	Federal	GW	P	
GH 12W-21-8-21	21	080S	210E	4304734153	13294	Federal	GW	P	
GH 14W-21-8-21	21	080S	210E	4304734154	13292	Federal	GW	P	
GH 16W-21-8-21	21	080S	210E	4304734157	13329	Federal	GW	P	
WV 2W-3-8-21	03	080S	210E	4304734207	13677	Federal	GW	P	
OU GB 5W-20-8-22	20	080S	220E	4304734209	13414	Federal	GW	P	
WV 6W-22-8-21	22	080S	210E	4304734272	13379	Federal	GW	P	
GH 1W-20-8-21	20	080S	210E	4304734327	13451	Federal	GW	P	
GH 2W-20-8-21	20	080S	210E	4304734328	13527	Federal	GW	P	
GH 3W-20-8-21	20	080S	210E	4304734329	13728	Federal	GW	P	
GH 7W-20-8-21	20	080S	210E	4304734332	13537	Federal	GW	P	
GH 9W-20-8-21	20	080S	210E	4304734333	13411	Federal	GW	P	
GH 11W-20-8-21	20	080S	210E	4304734334	13410	Federal	GW	P	
GH 15W-20-8-21	20	080S	210E	4304734335	13407	Federal	GW	P	
GH 16W-20-8-21	20	080S	210E	4304734336	13501	Federal	GW	P	
WV 12W-23-8-21	23	080S	210E	4304734343	13430	Federal	GW	P	
OU GB 13W-20-8-22	20	080S	220E	4304734348	13495	Federal	GW	P	
OU GB 14W-20-8-22	20	080S	220E	4304734349	13507	Federal	GW	P	
OU GB 11W-29-8-22	29	080S	220E	4304734350	13526	Federal	GW	P	
SU PURDY 14M-30-7-22	30	070S	220E	4304734384	13750	Federal	GW	S	
WVX 11G-5-8-22	05	080S	220E	4304734388	13422	Federal	OW	P	
WVX 13G-5-8-22	05	080S	220E	4304734389	13738	Federal	OW	P	
WVX 15G-5-8-22	05	080S	220E	4304734390	13459	Federal	OW	P	
SU BRENNAN W 15W-18-7-22	18	070S	220E	4304734403	13442	Federal	GW	TA	

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SU 16W-5-8-22	05	080S	220E	4304734446	13654	Federal	GW	P	
SU 2W-5-8-22	05	080S	220E	4304734455	13700	Federal	GW	P	
SU 10W-5-8-22	05	080S	220E	4304734456	13540	Federal	GW	P	
WV 16W-8-8-22	08	080S	220E	4304734470	13508	Federal	GW	P	
OU GB 16WX-30-8-22	30	080S	220E	4304734506	13431	Federal	GW	P	
OU GB 1W-19-8-22	19	080S	220E	4304734512	13469	Federal	GW	P	
OU GB 2W-19-8-22	19	080S	220E	4304734513	13461	Federal	GW	P	
OU GB 5W-19-8-22	19	080S	220E	4304734514	13460	Federal	GW	P	
OU GB 7W-19-8-22	19	080S	220E	4304734515	13462	Federal	GW	P	
OU GB 8W-19-8-22	19	080S	220E	4304734516	13489	Federal	GW	P	
OU GB 11W-19-8-22	19	080S	220E	4304734517	13467	Federal	GW	P	
OU GB 16W-19-8-22	19	080S	220E	4304734522	13476	Federal	GW	P	
OU GB 1W-30-8-22	30	080S	220E	4304734528	13487	Federal	GW	S	
OU GB 3W-30-8-22	30	080S	220E	4304734529	13493	Federal	GW	P	
OU GB 6W-30-8-22	30	080S	220E	4304734530	13519	Federal	GW	P	
OU GB 7W-30-8-22	30	080S	220E	4304734531	13494	Federal	GW	P	
OU GB 8W-30-8-22	30	080S	220E	4304734532	13483	Federal	GW	P	
OU GB 9W-30-8-22	30	080S	220E	4304734533	13500	Federal	GW	P	
OU GB 6W-19-8-22	19	080S	220E	4304734534	13475	Federal	GW	P	
OU GB 10W-19-8-22	19	080S	220E	4304734535	13479	Federal	GW	P	
OU GB 13W-19-8-22	19	080S	220E	4304734536	13478	Federal	GW	P	
OU GB 14W-19-8-22	19	080S	220E	4304734537	13484	Federal	GW	P	
OU GB 15W-19-8-22	19	080S	220E	4304734538	13482	Federal	GW	P	
OU GB 12W-17-8-22	17	080S	220E	4304734542	13543	Federal	GW	P	
OU GB 6W-17-8-22	17	080S	220E	4304734543	13536	Federal	GW	P	
OU GB 13W-17-8-22	17	080S	220E	4304734544	13547	Federal	GW	P	
OU GB 6W-29-8-22	29	080S	220E	4304734545	13535	Federal	GW	P	
OU GB 3W-29-8-22	29	080S	220E	4304734546	13509	Federal	GW	P	
OU GB 13W-29-8-22	29	080S	220E	4304734547	13506	Federal	GW	P	
OU GB 4W-29-8-22	29	080S	220E	4304734548	13534	Federal	GW	P	
OU GB 5W-29-8-22	29	080S	220E	4304734549	13505	Federal	GW	P	
OU GB 14W-17-8-22	17	080S	220E	4304734550	13550	Federal	GW	P	
OU GB 11W-17-8-22	17	080S	220E	4304734553	13671	Federal	GW	P	
OU GB 14W-29-8-22	29	080S	220E	4304734554	13528	Federal	GW	P	
OU GB 2W-17-8-22	17	080S	220E	4304734559	13539	Federal	GW	P	
OU GB 7W-17-8-22	17	080S	220E	4304734560	13599	Federal	GW	P	
OU GB 16W-18-8-22	18	080S	220E	4304734563	13559	Federal	GW	P	
OU GB 1W-29-8-22	29	080S	220E	4304734573	13562	Federal	GW	P	
OU GB 7W-29-8-22	29	080S	220E	4304734574	13564	Federal	GW	P	
OU GB 8W-29-8-22	29	080S	220E	4304734575	13609	Federal	GW	S	
OU GB 9W-29-8-22	29	080S	220E	4304734576	13551	Federal	GW	P	
OU GB 10W-29-8-22	29	080S	220E	4304734577	13594	Federal	GW	P	
OU GB 15W-29-8-22	29	080S	220E	4304734578	13569	Federal	GW	P	
OU GB 2W-20-8-22	20	080S	220E	4304734599	13664	Federal	GW	P	
OU GB 2W-29-8-22	29	080S	220E	4304734600	13691	Federal	GW	P	
OU GB 15W-17-8-22	17	080S	220E	4304734601	13632	Federal	GW	P	
OU GB 16W-17-8-22	17	080S	220E	4304734602	13639	Federal	GW	P	
OU GB 16W-29-8-22	29	080S	220E	4304734603	13610	Federal	GW	P	
OU GB 1W-20-8-22	20	080S	220E	4304734604	13612	Federal	GW	P	
OU GB 1W-17-8-22	17	080S	220E	4304734623	13701	Federal	GW	P	
OU GB 9W-17-8-22	17	080S	220E	4304734624	13663	Federal	GW	P	

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OU GB 10W-17-8-22	17	080S	220E	4304734625	13684	Federal	GW	P	
OU GB 9W-20-8-22	20	080S	220E	4304734630	13637	Federal	GW	P	
OU GB 10W-20-8-22	20	080S	220E	4304734631	13682	Federal	GW	P	
OU GB 15W-20-8-22	20	080S	220E	4304734632	13613	Federal	GW	P	
OU WIH 15MU-21-8-22	21	080S	220E	4304734634	13991	Federal	GW	P	
OU WIH 13W-21-8-22	21	080S	220E	4304734646	13745	Federal	GW	P	
OU GB 11W-15-8-22	15	080S	220E	4304734648	13822	Federal	GW	P	
OU GB 13W-9-8-22	09	080S	220E	4304734654	13706	Federal	GW	P	
OU WIH 14W-21-8-22	21	080S	220E	4304734664	13720	Federal	GW	P	
OU GB 12WX-29-8-22	29	080S	220E	4304734668	13555	Federal	GW	P	
OU WIH 10W-21-8-22	21	080S	220E	4304734681	13662	Federal	GW	P	
OU GB 4G-21-8-22	21	080S	220E	4304734685	13772	Federal	OW	P	
OU GB 3W-21-8-22	21	080S	220E	4304734686	13746	Federal	GW	P	
OU GB 16SG-30-8-22	30	080S	220E	4304734688	13593	Federal	GW	P	
OU WIH 7W-21-8-22	21	080S	220E	4304734689	13716	Federal	GW	P	
OU GB 5W-21-8-22	21	080S	220E	4304734690	13770	Federal	GW	P	
WIH 1MU-21-8-22	21	080S	220E	4304734693	14001	Federal	GW	P	
OU GB 5G-19-8-22	19	080S	220E	4304734695	13786	Federal	OW	P	
OU GB 7W-20-8-22	20	080S	220E	4304734705	13710	Federal	GW	P	
OU SG 14W-15-8-22	15	080S	220E	4304734710	13821	Federal	GW	P	
OU SG 15W-15-8-22	15	080S	220E	4304734711	13790	Federal	GW	P	
OU SG 16W-15-8-22	15	080S	220E	4304734712	13820	Federal	GW	P	
OU SG 4W-15-8-22	15	080S	220E	4304734713	13775	Federal	GW	P	
OU SG 12W-15-8-22	15	080S	220E	4304734714	13838	Federal	GW	P	
OU GB 5MU-15-8-22	15	080S	220E	4304734715	13900	Federal	GW	P	
OU SG 8W-15-8-22	15	080S	220E	4304734717	13819	Federal	GW	P	
OU SG 9W-15-8-22	15	080S	220E	4304734718	13773	Federal	GW	P	
OU SG 10W-15-8-22	15	080S	220E	4304734719	13722	Federal	GW	P	
OU SG 2MU-15-8-22	15	080S	220E	4304734721	13887	Federal	GW	P	
OU SG 7W-15-8-22	15	080S	220E	4304734722	13920	Federal	GW	P	
OU GB 14SG-29-8-22	29	080S	220E	4304734743	14034	Federal	GW	P	
OU GB 16SG-29-8-22	29	080S	220E	4304734744	13771	Federal	GW	P	
OU GB 13W-10-8-22	10	080S	220E	4304734754	13774	Federal	GW	P	
OU GB 6MU-21-8-22	21	080S	220E	4304734755	14012	Federal	GW	P	
OU SG 10W-10-8-22	10	080S	220E	4304734764	13751	Federal	GW	P	
OU GB 14M-10-8-22	10	080S	220E	4304734768	13849	Federal	GW	P	
OU SG 9W-10-8-22	10	080S	220E	4304734783	13725	Federal	GW	P	
OU SG 16W-10-8-22	10	080S	220E	4304734784	13781	Federal	GW	P	
SU BW 6M-7-7-22	07	070S	220E	4304734837	13966	Federal	GW	P	
GB 3M-27-8-21	27	080S	210E	4304734900	14614	Federal	GW	P	
WVX 11D-22-8-21	22	080S	210E	4304734902	14632	Federal	GW	P	
GB 11M-27-8-21	27	080S	210E	4304734952	13809	Federal	GW	P	
GB 9D-27-8-21	27	080S	210E	4304734956	14633	Federal	GW	P	
GB 1D-27-8-21	27	080S	210E	4304734957	14634	Federal	GW	P	
WRU EIH 2M-35-8-22	35	080S	220E	4304735052	13931	Federal	GW	P	
GH 12MU-20-8-21	20	080S	210E	4304735069	14129	Federal	GW	P	
OU SG 4W-11-8-22	11	080S	220E	4304735071	14814	Federal	GW	OPS	C
OU SG 5W-11-8-22	11	080S	220E	4304735072	14815	Federal	GW	OPS	C
SG 6ML-11-8-22	11	080S	220E	4304735073	14825	Federal	GW	P	
OU SG 5MU-14-8-22	14	080S	220E	4304735076	13989	Federal	GW	P	
OU SG 6MU-14-8-22	14	080S	220E	4304735077	14128	Federal	GW	P	

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SG 12MU-14-8-22	14	080S	220E	4304735078	13921	Federal	GW	P	
OU SG 13MU-14-8-22	14	080S	220E	4304735079	13990	Federal	GW	P	
OU SG 9MU-11-8-22	11	080S	220E	4304735091	13967	Federal	GW	P	
SG 11SG-23-8-22	23	080S	220E	4304735099	13901	Federal	GW	TA	
OU SG 14W-11-8-22	11	080S	220E	4304735114	14797	Federal	GW	OPS	C
SG 5MU-23-8-22	23	080S	220E	4304735115	14368	Federal	GW	P	
SG 6MU-23-8-22	23	080S	220E	4304735116	14231	Federal	GW	P	
SG 14MU-23-8-22	23	080S	220E	4304735117	14069	Federal	GW	P	
SG 12MU-23-8-22	23	080S	220E	4304735188	14412	Federal	GW	P	
SG 13MU-23-8-22	23	080S	220E	4304735190	14103	Federal	GW	P	
WH 7G-10-7-24	10	070S	240E	4304735241	14002	Federal	GW	S	
GB 4D-28-8-21	28	080S	210E	4304735246	14645	Federal	GW	P	
GB 7M-28-8-21	28	080S	210E	4304735247	14432	Federal	GW	P	
GB 14M-28-8-21	28	080S	210E	4304735248	13992	Federal	GW	P	
SG 11MU-23-8-22	23	080S	220E	4304735257	13973	Federal	GW	P	
SG 15MU-14-8-22	14	080S	220E	4304735328	14338	Federal	GW	P	
EIHX 14MU-25-8-22	25	080S	220E	4304735330	14501	Federal	GW	P	
EIHX 11MU-25-8-22	25	080S	220E	4304735331	14470	Federal	GW	P	
NBE 12ML-10-9-23	10	090S	230E	4304735333	14260	Federal	GW	P	
NBE 13ML-17-9-23	17	090S	230E	4304735334	14000	Federal	GW	P	
NBE 4ML-26-9-23	26	090S	230E	4304735335	14215	Federal	GW	P	
SG 7MU-11-8-22	11	080S	220E	4304735374	14635	Federal	GW	S	
SG 1MU-11-8-22	11	080S	220E	4304735375	14279	Federal	GW	P	
OU SG 13W-11-8-22	11	080S	220E	4304735377	14796	Federal	GW	OPS	C
SG 3MU-11-8-22	11	080S	220E	4304735379	14978	Federal	GW	P	
SG 8MU-11-8-22	11	080S	220E	4304735380	14616	Federal	GW	P	
SG 2MU-11-8-22	11	080S	220E	4304735381	14636	Federal	GW	P	
SG 10MU-11-8-22	11	080S	220E	4304735382	14979	Federal	GW	P	
SU 11MU-9-8-21	09	080S	210E	4304735412	14143	Federal	GW	P	
OU GB 8MU-10-8-22	10	080S	220E	4304735422	15321	Federal	GW	OPS	C
EIHX 2MU-25-8-22	25	080S	220E	4304735427	14666	Federal	GW	P	
EIHX 1MU-25-8-22	25	080S	220E	4304735428	14705	Federal	GW	P	
EIHX 7MU-25-8-22	25	080S	220E	4304735429	14682	Federal	GW	P	
EIHX 8MU-25-8-22	25	080S	220E	4304735430	14706	Federal	GW	P	
EIHX 9MU-25-8-22	25	080S	220E	4304735433	14558	Federal	GW	P	
EIHX 16MU-25-8-22	25	080S	220E	4304735434	14502	Federal	GW	P	
EIHX 15MU-25-8-22	25	080S	220E	4304735435	14571	Federal	GW	P	
EIHX 10MU-25-8-22	25	080S	220E	4304735436	14537	Federal	GW	P	
GB 3MU-3-8-22	03	080S	220E	4304735457	14575	Federal	GW	P	
NBE 15M-17-9-23	17	090S	230E	4304735463	14423	Federal	GW	P	
NBE 7ML-17-9-23	17	090S	230E	4304735464	14232	Federal	GW	P	
NBE 3ML-17-9-23	17	090S	230E	4304735465	14276	Federal	GW	P	
NBE 11M-17-9-23	17	090S	230E	4304735466	14431	Federal	GW	P	
NBE 10ML-10-9-23	10	090S	230E	4304735650	14377	Federal	GW	P	
NBE 6ML-10-9-23	10	090S	230E	4304735651	14422	Federal	GW	P	
NBE 12ML-17-9-23	17	090S	230E	4304735652	14278	Federal	GW	P	
NBE 6ML-26-9-23	26	090S	230E	4304735664	14378	Federal	GW	P	
NBE 11ML-26-9-23	26	090S	230E	4304735665	14340	Federal	GW	P	
NBE 15ML-26-9-23	26	090S	230E	4304735666	14326	Federal	GW	P	
SG 4MU-23-8-22	23	080S	220E	4304735758	14380	Federal	GW	P	
SG 11MU-14-8-22	14	080S	220E	4304735829	14486	Federal	GW	P	

Bonds: BLM = ESB000024

BIA = 965010693

State = 965010695

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

well_name	sec	twp	rng	api	entity	mineral lease	type	stat	C
RB DS FED 1G-7-10-18	07	100S	180E	4304735932	14457	Federal	OW	S	
RB DS FED 14G-8-10-18	08	100S	180E	4304735933	14433	Federal	OW	P	
OU SG 14MU-14-8-22	14	080S	220E	4304735950	14479	Federal	GW	P	
COY 12ML-24-8-24	24	080S	240E	4304736039	14592	Federal	OW	P	
WIH 1AMU-21-8-22	21	080S	220E	4304736060	14980	Federal	GW	P	
SU 8M-12-7-21	12	070S	210E	4304736096	16610	Federal	GW	OPS	C
NBE 4ML-10-9-23	10	090S	230E	4304736098	15732	Federal	GW	P	
NBE 8ML-10-9-23	10	090S	230E	4304736099	15733	Federal	GW	P	
NBE 16ML-10-9-23	10	090S	230E	4304736100	14728	Federal	GW	S	
SUBW 14M-7-7-22	07	070S	220E	4304736136	15734	Federal	GW	P	
NBE 8ML-12-9-23	12	090S	230E	4304736143	15859	Federal	GW	S	
GB 16D-28-8-21	28	080S	210E	4304736260	14981	Federal	GW	P	
NBE 5ML-10-9-23	10	090S	230E	4304736353	15227	Federal	GW	P	
NBE 7ML-10-9-23	10	090S	230E	4304736355	15850	Federal	GW	P	
NBE 3ML-10-9-23	10	090S	230E	4304736356	15393	Federal	GW	P	
EIHX 4MU-36-8-22	36	080S	220E	4304736444	14875	Federal	GW	P	
EIHX 3MU-36-8-22	36	080S	220E	4304736445	14860	Federal	GW	P	
EIHX 2MU-36-8-22	36	080S	220E	4304736446	14840	Federal	GW	S	
EIHX 1MU-36-8-22	36	080S	220E	4304736447	14861	Federal	GW	P	
NBE 7ML-26-9-23	26	090S	230E	4304736587	16008	Federal	GW	P	
NBE 8ML-26-9-23	26	090S	230E	4304736588	15689	Federal	GW	P	
NBE 1ML-26-9-23	26	090S	230E	4304736589	15880	Federal	GW	P	
NBE 2ML-26-9-23	26	090S	230E	4304736590	15898	Federal	GW	S	
NBE 3ML-26-9-23	26	090S	230E	4304736591	15906	Federal	GW	P	
NBE 5ML-26-9-23	26	090S	230E	4304736592	15839	Federal	GW	P	
NBE 9ML-10-9-23	10	090S	230E	4304736593	15438	Federal	GW	P	
NBE 11ML-10-9-23	10	090S	230E	4304736594	15228	Federal	GW	P	
NBE 15ML-10-9-23	10	090S	230E	4304736595	15439	Federal	GW	P	
NBE 2ML-17-9-23	17	090S	230E	4304736614	15126	Federal	GW	P	
NBE 4ML-17-9-23	17	090S	230E	4304736615	15177	Federal	GW	P	
NBE 6ML-17-9-23	17	090S	230E	4304736616	15127	Federal	GW	S	
NBE 10ML-17-9-23	17	090S	230E	4304736617	15128	Federal	GW	P	
NBE 14ML-17-9-23	17	090S	230E	4304736618	15088	Federal	GW	P	
NBE 9ML-26-9-23	26	090S	230E	4304736619	15322	Federal	GW	P	
NBE 10D-26-9-23	26	090S	230E	4304736620	15975	Federal	GW	S	
NBE 12ML-26-9-23	26	090S	230E	4304736621	15840	Federal	GW	P	
NBE 13ML-26-9-23	26	090S	230E	4304736622	15690	Federal	GW	P	
NBE 14ML-26-9-23	26	090S	230E	4304736623	15262	Federal	GW	P	
NBE 16ML-26-9-23	26	090S	230E	4304736624	15735	Federal	GW	P	
WF 1P-1-15-19	06	150S	200E	4304736781	14862	Indian	GW	P	
SG 3MU-23-8-22	14	080S	220E	4304736940	15100	Federal	GW	P	
NBE 5ML-17-9-23	17	090S	230E	4304736941	15101	Federal	GW	P	
TU 14-9-7-22	09	070S	220E	4304737345	16811	Federal	GW	OPS	C
WF 14C-29-15-19	29	150S	190E	4304737541	15178	Indian	GW	P	
NBE 2ML-10-9-23	10	090S	230E	4304737619	15860	Federal	GW	P	
GB 16ML-20-8-22	20	080S	220E	4304737664	15948	Federal	GW	P	
WVX 8ML-5-8-22	05	080S	220E	4304738140		Federal	GW	APD	C
WVX 6ML-5-8-22	05	080S	220E	4304738141		Federal	GW	APD	C
WVX 1MU-17-8-21	17	080S	210E	4304738156		Federal	GW	APD	C
GH 8-20-8-21	20	080S	210E	4304738157		Federal	GW	APD	C
WVX 4MU-17-8-21	17	080S	210E	4304738190		Federal	GW	APD	C

Bonds: BLM = ESB000024

BIA = 956010693

State = 965010695

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

well_name	sec	twp	rng	api	entity	mineral lease	type	stat	C
WVX 16MU-18-8-21	18	080S	210E	4304738191		Federal	GW	APD	C
GH 7D-19-8-21	19	080S	210E	4304738267	16922	Federal	GW	P	
WF 8C-15-15-19	15	150S	190E	4304738405	17142	Indian	GW	OPS	C
WVX 1MU-18-8-21	18	080S	210E	4304738659		Federal	GW	APD	C
WVX 9MU-18-8-21	18	080S	210E	4304738660		Federal	GW	APD	C
GB 12SG-29-8-22	29	080S	220E	4304738766	16096	Federal	GW	S	
GB 10SG-30-8-22	30	080S	220E	4304738767	16143	Federal	GW	S	
FR 14P-20-14-20	20	140S	200E	4304739168	16179	Federal	GW	P	
SU 11M-8-7-22	08	070S	220E	4304739175		Federal	GW	APD	C
HB 2M-9-7-22	09	070S	220E	4304739176		Federal	GW	APD	C
SUMA 4M-20-7-22	20	070S	220E	4304739177		Federal	GW	APD	C
SU 16M-31-7-22	31	070S	220E	4304739178		Federal	GW	APD	C
FR 13P-20-14-20	20	140S	200E	4304739226	16719	Federal	GW	P	
SG 11BML-23-8-22	23	080S	220E	4304739230		Federal	GW	APD	C
SG 12DML-23-8-22	23	080S	220E	4304739231		Federal	GW	APD	C
GB 1CML-29-8-22	29	080S	220E	4304739232		Federal	GW	APD	C
NBE 8CD-10-9-23	10	090S	230E	4304739341	16513	Federal	GW	P	
NBE 15AD-10-9-23	10	090S	230E	4304739342		Federal	GW	APD	C
NBE 6DD-10-9-23	10	090S	230E	4304739343		Federal	GW	APD	C
NBE 6AD-10-9-23	10	090S	230E	4304739344		Federal	GW	APD	C
NBE 6BD-10-9-23	10	090S	230E	4304739345		Federal	GW	APD	C
NBE 5DD-10-9-23	10	090S	230E	4304739346	16574	Federal	GW	P	
NBE 7BD-17-9-23	17	090S	230E	4304739347		Federal	GW	APD	C
NBE 4DD-17-9-23	17	090S	230E	4304739348	16743	Federal	GW	P	
NBE 10CD-17-9-23	17	090S	230E	4304739349	16616	Federal	GW	P	
NBE 11CD-17-9-23	17	090S	230E	4304739350		Federal	GW	APD	C
NBE 8BD-26-9-23	26	090S	230E	4304739351	16617	Federal	GW	P	
NBE 3DD-26-9-23	26	090S	230E	4304739352		Federal	GW	APD	C
NBE 3CD-26-9-23	26	090S	230E	4304739353		Federal	GW	APD	C
NBE 7DD-26-9-23	26	090S	230E	4304739354		Federal	GW	APD	C
NBE 12AD-26-9-23	26	090S	230E	4304739355		Federal	GW	APD	C
NBE 5DD-26-9-23	26	090S	230E	4304739356		Federal	GW	APD	C
NBE 13AD-26-9-23	26	090S	230E	4304739357		Federal	GW	APD	C
NBE 14AD-26-9-23	26	090S	230E	4304739358		Federal	GW	APD	C
NBE 9CD-26-9-23	26	090S	230E	4304739359		Federal	GW	APD	C
FR 9P-20-14-20	20	140S	200E	4304739461	17025	Federal	GW	S	
FR 13P-17-14-20	17	140S	200E	4304739462		Federal	GW	APD	C
FR 9P-17-14-20	17	140S	200E	4304739463	16829	Federal	GW	P	
FR 10P-20-14-20	20	140S	200E	4304739465		Federal	GW	APD	C
FR 5P-17-14-20	17	140S	200E	4304739509		Federal	GW	APD	C
FR 15P-17-14-20	17	140S	200E	4304739510		Federal	GW	APD	C
FR 11P-20-14-20	20	140S	200E	4304739587		Federal	GW	APD	
FR 5P-20-14-20	20	140S	200E	4304739588		Federal	GW	APD	C
FR 9P-21-14-20	21	140S	200E	4304739589		Federal	GW	APD	C
FR 13P-21-14-20	21	140S	200E	4304739590		Federal	GW	APD	C
GB 7D-27-8-21	27	080S	210E	4304739661		Federal	GW	APD	C
GB 15D-27-8-21	27	080S	210E	4304739662	16830	Federal	GW	P	
WV 13D-23-8-21	23	080S	210E	4304739663	16813	Federal	GW	P	
WV 15D-23-8-21	23	080S	210E	4304739664	16924	Federal	GW	P	
FR 14P-17-14-20	17	140S	200E	4304739807		Federal	GW	APD	C
FR 12P-20-14-20	20	140S	200E	4304739808		Federal	GW	APD	C

Bonds: BLM = ESB000024

BIA = 956010693

State = 965010695

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

well_name	sec	twp	rng	api	entity	mineral lease	type	stat	C
FR 6P-20-14-20	20	140S	200E	4304739809	16925	Federal	GW	P	
FR 3P-21-14-20	21	140S	200E	4304739810		Federal	GW	APD	C
FR 4P-21-14-20	21	140S	200E	4304739811	16771	Federal	GW	P	
FR 8P-21-14-20	21	140S	200E	4304739812		Federal	GW	APD	C
FR 15P-21-14-20	21	140S	200E	4304739815		Federal	GW	APD	C
FR 2P-20-14-20	20	140S	200E	4304740053		Federal	GW	APD	
FR 2P-21-14-20	21	140S	200E	4304740200		Federal	GW	APD	C
WV 11-23-8-21	23	080S	210E	4304740303		Federal	GW	APD	C
GB 12-27-8-21	27	080S	210E	4304740304		Federal	GW	APD	C
GH 11C-20-8-21	20	080S	210E	4304740352		Federal	GW	APD	C
GH 15A-20-8-21	20	080S	210E	4304740353		Federal	GW	APD	C
GH 10BD-21-8-21	21	080S	210E	4304740354		Federal	GW	APD	C
FR 11P-21-14-20	21	140S	200E	4304740366		Federal	GW	APD	C
MELANGE U 1	09	140S	200E	4304740399		Federal	GW	APD	C
OP 16G-12-7-20	12	070S	200E	4304740481	17527	Federal	OW	DRL	C
OP 4G-12-7-20	12	070S	200E	4304740482		Federal	OW	APD	C
WF 8D-21-15-19	21	150S	190E	4304740489		Indian	GW	APD	C
WF 15-21-15-19	21	150S	190E	4304740490		Indian	GW	APD	
WF 4D-22-15-19	22	150S	190E	4304740491		Indian	GW	APD	C

Bonds: BLM = ESB000024

BIA = 956010693

State = 965010695



# United States Department of the Interior



## BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, UT 84145-0155

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

IN REPLY REFER TO:

3100

(UT-922)

JUL 28 2010

### Memorandum

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

From: Chief, Branch of Minerals

*Roy L. Bankert*

Subject: Name Change Recognized

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

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

cc: MMS  
UDOGM

RECEIVED

AUG 16 2010

DIV. OF OIL, GAS & MINERALS



CHANDLER & ASSOCIATES  
Well: WIS #11-20-10-17

Date: 24-AUG-1958

TTCS File #: 6609

## PLUG DEAN-STARK ANALYSIS

Sample Number	Depth (feet)	Permeability		Porosity		Saturation		Grain Density (gm/cc)	Lithology
		Horz (md)	Vert (md)	%	Oil %	H <sub>2</sub> O %			
21	5002.2-02.6	.005	NA	1.8	88.0	11.5		2.68	
22	5002.6-03.0	.005	NA	0.5	26.7	16.2		2.67	
23	5017.6-18.2	.101	NA	3.4	90.4	5.8		2.76	
24	5018.2-18.8	NA	NA	NA	0.0	NA		NA	
25	5018.8-19.2	.010	NA	6.8	81.9	11.6		2.77	
26	5019.2-19.8	.026	NA	10.0	68.2	18.0		2.78	
27	5019.8-20.2	.033	NA	10.4	48.8	34.6		2.77	
28	5020.2-20.8	.009	NA	5.7	79.1	17.6		3.76	
29	5020.8-21.2	.029	NA	6.9	64.5	17.3		2.76	
30	5021.2-21.8	.031	NA	0.3	59.1	39.4		2.66	
31	5021.8-22.4	NA	NA	NA	0.0	NA		NA	
32	5022.4-22.9	.003	NA	1.5	57.6	39.9		2.72	
33	5120.7-21.7	.013	NA	1.8	34.0	25.0		3.71	
34	5121.5-22.5	.003	NA	1.8	65.3	24.9		2.73	
35	5130.0-31.0	.015	NA	3.3	99.3	6.8		2.76	
36	5130.0-31.8	NA	NA	NA	0.0	NA		NA	
37	5131.7-32.7	.003	NA	3.9	27.5	71.2		2.72	
38	5132.4-33.4	3025.	NA	1.7	29.0	13.7		2.70	
39	5133.4-34.4	.042	NA	8.5	79.0	10.0		2.75	
40	5143.7-44.7	.003	NA	1.4	62.1	4.9		2.67	
41	5144.7-45.7	.004	NA	NA	0.0	NA		NA	
42	5145.7-46.7	.003	NA	2.4	59.6	9.2		2.71	
43	5146.7-47.7	.003	NA	1.9	54.9	44.3		2.73	

**PRELIMINARY**

*open fracture*

CHANDLER & ASSOCIATES  
 Well: WUS #11-20-10-17

Date: 24-AUG-1998

ITCS File #: 6609

PLUG DEAN-STARK ANALYSIS

Sample Number	Depth (feet)	Permeability Horiz (md)	Permeability Vert (md)	Porosity		Saturation		Grain Density (gm/cc)	Lithology
				%	%	Oil %	H2O %		
44	5147.7-48.7	NA	NA	1.8	40.3	48.8	2.71		
45	5148.7-49.7	.003	NA	1.8	60.5	36.2	2.72		
46	5149.7-50.7	.004	NA	1.0	51.7	44.8	2.69		

PRELIMINARY

43-013-32088  
 4971' - 5152'  
 MESA 20 105 172

Notes: 74-888-1998  
 TFS File #: 6699  
 Elevation:

Chandler  
 COMPANY & ASSOCIATES  
 well Design & Logging  
 Well: WMS #11-28-18-17  
 Field: ME 11-20-10-17  
 Drilling fluid: WATER  
 State: RI  
 County: BUCKINGHAM  
 Location:

PLUG DEAN-STARK ANALYSIS

Sample Number	Depth (feet)	Permeability Horz (md)	Vept (md)	Porosity		Saturation		Grain Density (gm/cc)	Lithology
				%	%	Oil %	H <sub>2</sub> O %		
1	4971.2-71.9	1.317	NA	14.2	53.6	5.7	2.76		
2	4971.9-72.2	22.600	NA	2.0	33.5	51.8	2.54		
3	4972.2-72.8	.005	NA	0.4	28.5	60.5	2.71		
4	4988.7-89.2	.017	NA	2.2	41.4	12.8	2.75		
5	4989.3-89.8	.012	NA	3.6	44.7	44.3	2.75		
6	4989.8-90.3	.004	NA	4.3	77.0	9.3	2.75		
7	4990.3-90.7	.509	NA	14.4	79.3	0.8	2.77		
8	4993.0-93.2	.133	NA	8.3	50.7	7.2	2.75		
9	4993.2-93.8	.447	NA	12.3	52.0	4.9	2.74		
10	4993.8-94.2	.028	NA	5.9	73.8	6.8	2.75		
11	4994.2-95.8	.068	NA	8.1	59.7	24.1	2.74		
12	4995.8-98.2	2.786	NA	10.1	62.2	4.6	2.74		
13	4998.2-98.7	2.071	NA	16.9	67.6	2.1	2.74		
14	4998.7-99.2	.233	NA	10.3	69.5	9.9	2.70		
15	4999.2-99.8	.393	NA	15.3	54.9	5.3	2.76		
16	4999.8-80.2	NA	NA	NA	0.0	NA	NA		
17	5000.2-00.8	.022	NA	2.4	79.8	16.7	2.74		
18	5000.8-01.2	NA	NA	NA	0.0	NA	NA		
19	5001.2-01.8	.017	NA	4.1	45.2	14.6	2.67		
20	5001.8-02.2	.065	NA	7.0	49.9	21.9	2.68		

open fracture

**PRELIMINARY**

TerraTek, Inc.  
 420 Wakara Way, SLC, Utah 84108 (801) 584-2400

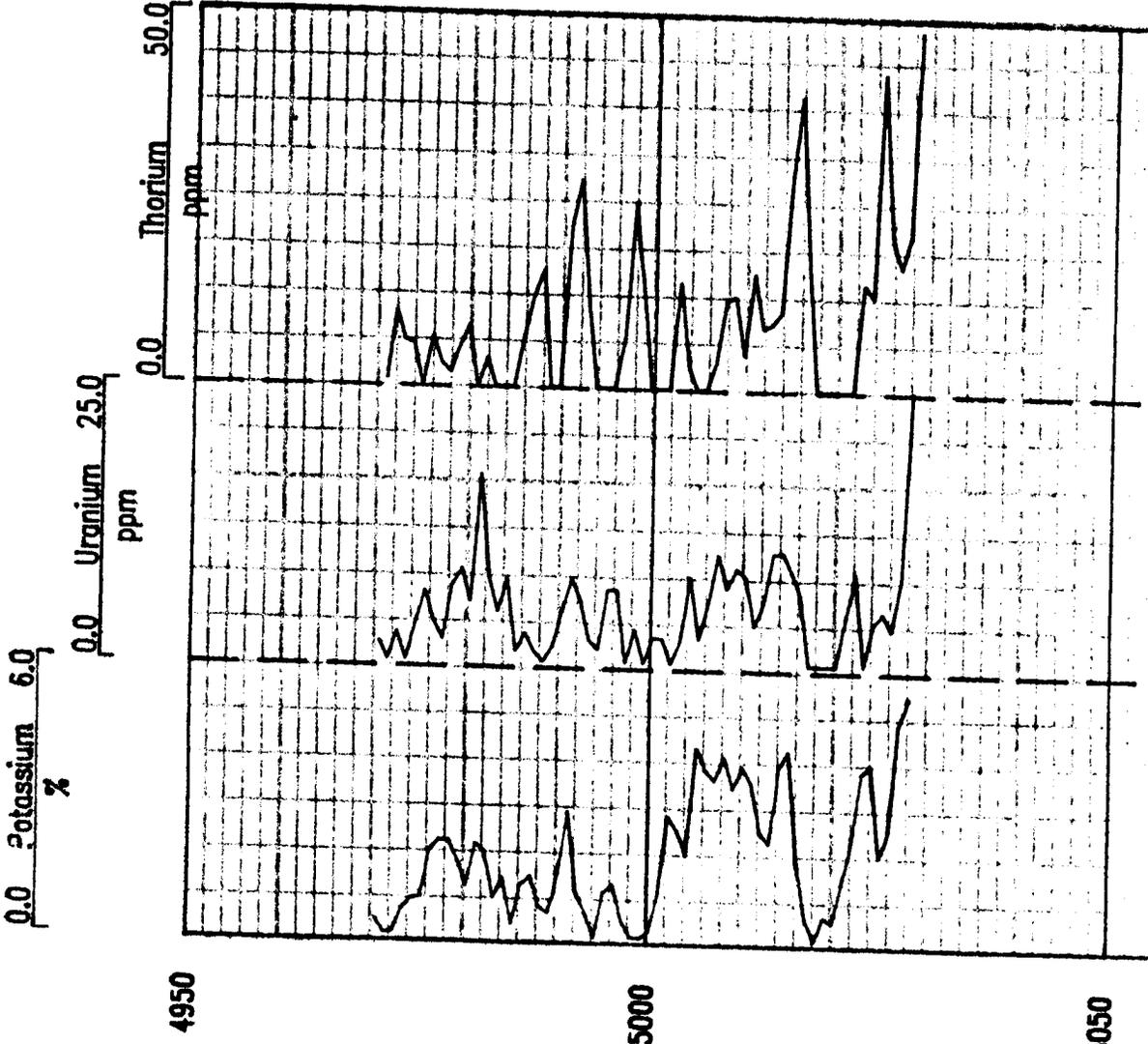
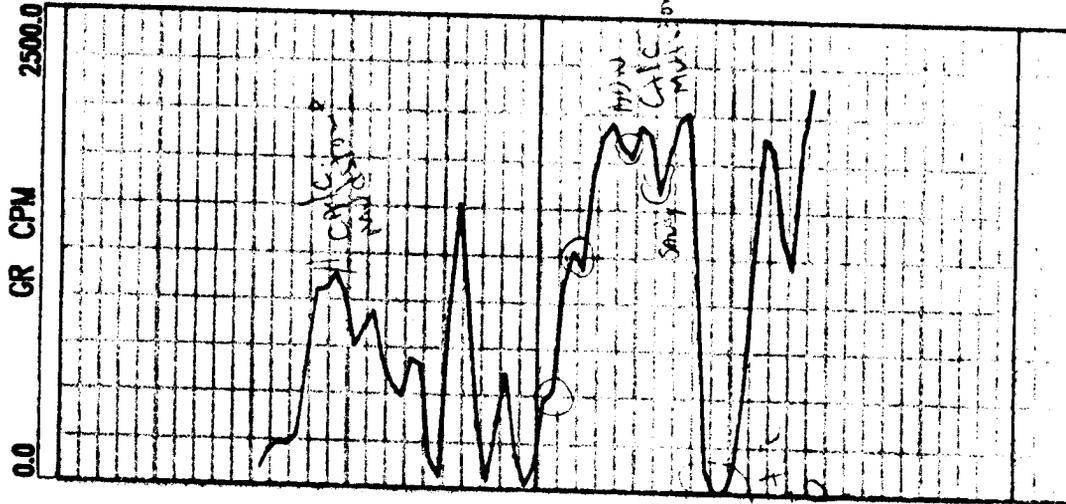
Chandler & Associates

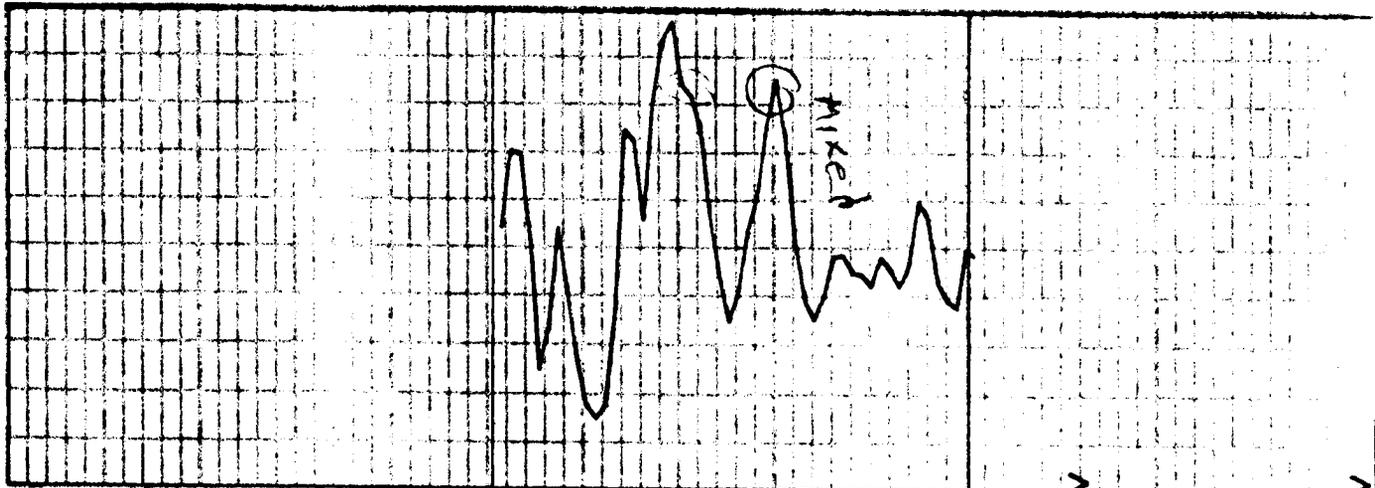
West Desert Spring #11-20-10-17

August 1, 1998  
 TerraTek No. 6609

# COMPONENT GAMMA LOG

TOTAL COUNTS

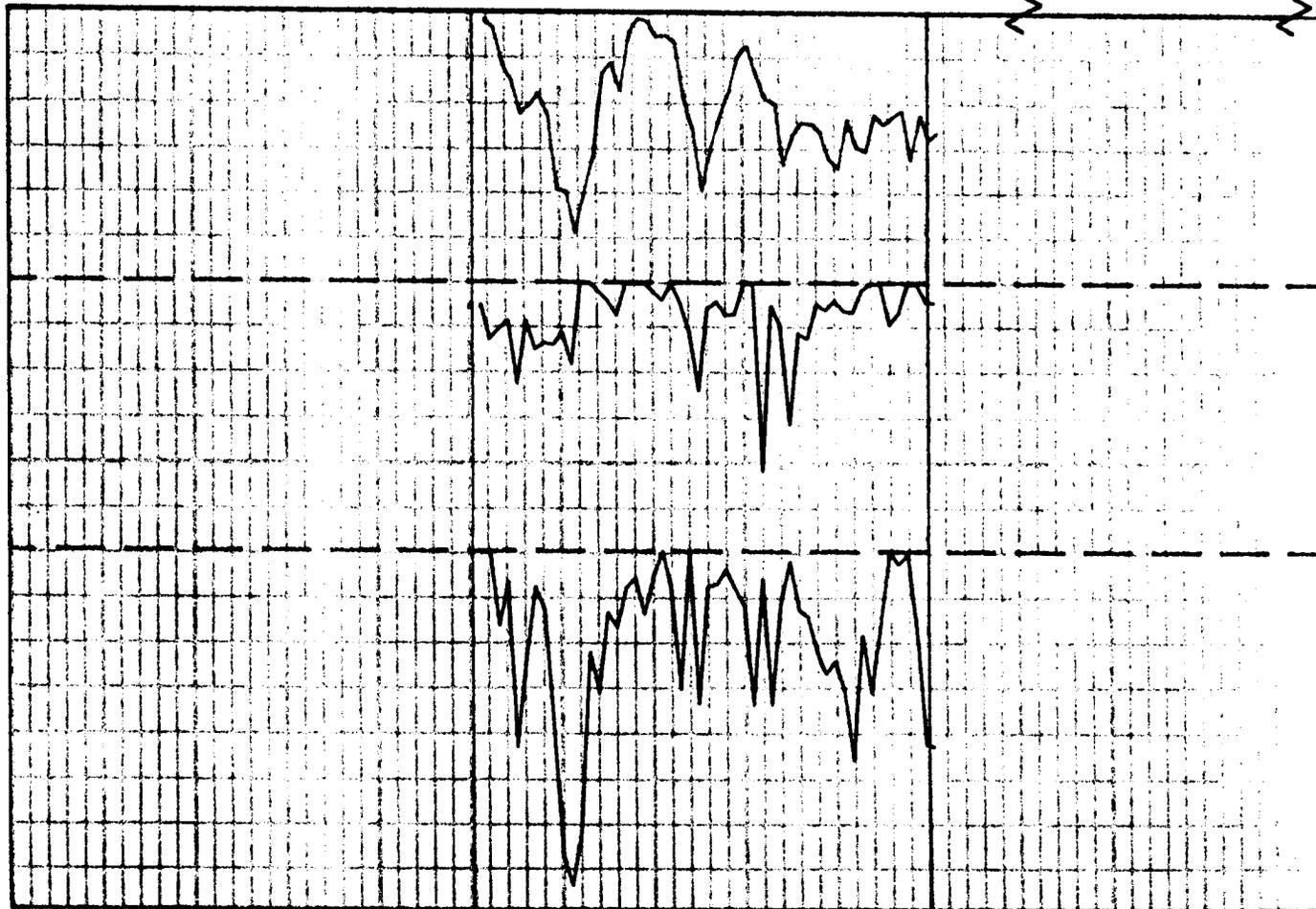




5200

5150

5100



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9  5. LEASE DESIGNATION AND SERIAL NUMBER: U-75083
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  7. UNIT or CA AGREEMENT NAME: SCYLLA (GR)
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: WEST DESERT SPRING 11-20-10-17
2. NAME OF OPERATOR: QEP ENERGY COMPANY	9. API NUMBER: 43013320880000
3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078	PHONE NUMBER: 303 595-5919 Ext
9. FIELD and POOL or WILDCAT: EIGHT MILE FLAT	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1950 FSL 2211 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 20 Township: 10.0S Range: 17.0E Meridian: S	COUNTY: DUCHESNE  STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 7/1/2016  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input checked="" type="checkbox"/> <b>PLUG AND ABANDON</b>  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>

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

QEP ENERGY COMPANY REQUESTS APPROVAL TO PLUG AND ABANDON THE WEST DESERT SPRING 11-20-10-17. PLEASE SEE ATTACHED PROCEDURES TO PLUG AND ABANDON. FINAL RECLAMATION OF THIS SITE WILL COMMENCE WITHIN ONE YEAR OF PLUGGING THE WELL.

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

Date: \_\_\_\_\_  
 By: *Derek Dunt*  
 April 28, 2016

**Please Review Attached Conditions of Approval**

NAME (PLEASE PRINT) Jan Nelson	PHONE NUMBER 435 781-4331	TITLE Permit Agent
SIGNATURE N/A	DATE 4/26/2016	



**The Utah Division of Oil, Gas, and Mining**

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices**

**Sundry Conditions of Approval Well Number 43013320880000**

**A minimum 100' cement plug shall be placed on CIBP for Plug #1 as required by R649-3-24-3.2.**

<b>Plug and Abandon</b>
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<b>Well Name:</b>	<u>W Desert Springs 11-20-10-17</u>	<b>AFE:</b>	
<b>Field:</b>	<u>Eight Mile Flat</u>	<b>Well Code:</b>	<u>301128001</u>
<b>Location:</b>	<u>NESW Sec. 20 T10S R17E</u>		
<b>County:</b>	Duchesne	<b>State:</b>	Utah
<b>API:</b>	<u>43-013-32088</u>		
<b>WI:</b>	61.88%		
<b>NRI:</b>	0.00%		

<b>Well Data:</b>	<b>TD:</b>	<u>5,314</u>	<b>PBTD:</b>	<u>4,810</u>
	<b>GL:</b>	<u>6,098</u>	<b>KBE:</b>	<u>6,108</u>

**Casing & Cementing:**

**Surface:** 12 1/4" Hole Size  
8-5/8" 24#, J-55 set @ 255'.  
Cement w/ 180 sks

**Production:** 7-7/8" Hole Size  
5-1/2" 15.5# J-55 , set @ 4905'  
Cement w/ 200 sks  
TOC @ 3950'

**Perforations:** 4548'-62' Open

**Operation:** Plug and Abandon

**Program:**

MIRU service unit, kill well if necessary, ND WH and NU BOP  
POOH w/ 2-7/8" tubing  
RU Wireline, RIH w/ CIBP and set @ ±4,470', RD wireline  
RIH with open ended to top of CIBP  
Fill hole with a minimum 9 ppg fluid, if well was dead, water may be used to fill the hole  
RIH w/ 2-7/8" tubing and spot 35' cement on top of CIBP  
Pull up 19 stands and reverse circulate to clear tubing  
Fill wellbore w/ displacement fluid (containing corrosion inhibitor and biocide)  
Mahogany Top - RU Wireline and shoot holes @ 2034'. RIH w/ CICR and set @ 1934'.  
Establish injection rate and squeeze 50 sx below and spot 10 sx cement on top  
Pull up 19 stands and reverse circulate to clear tubing  
POOH w/ 2-7/8" tubing  
Green River Top - RU Wireline and shoot holes @ 1850'. RIH w/ CICR and set @ 1750'.  
Establish injection rate and squeeze 50 sx below and spot 10 sx cement on top  
Pull up 19 stands and reverse circulate to clear tubing  
POOH w/ 2-7/8" tubing  
RU wireline, perforate the casing at 305', RD wireline  
RIH with 2-7/8" tubing to 305', Attempt to circulate up annulus with fluid  
Circulate cement up the surface csg - prod csg annulus  
Fill production casing with cement from 305' to surface with cement  
Ensure 3' of working space to cut off wellhead later  
RD Floor, ND BOP  
Cut off wellhead 3' below ground and weld on a dry hole marker  
GPS wellhead location and note on report  
Clean up location, RDMO

Plug and Abandon

