

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK
 b. TYPE OF WELL
 OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 DIAMOND SHAMROCK CORPORATION

3. ADDRESS OF OPERATOR
 Drawer E, Vernal UT 84078 801-789-5270

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 2147' FWL 906' FSL
 At proposed prod. zone
 Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 17 miles Southwest of Myton, UT

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 906'

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

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5735'

5. LEASE DESIGNATION AND SERIAL NO.
 U-017985
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 7. UNIT AGREEMENT NAME
 Castle Pead Federal
 8. FARM OR LEASE NAME
 9. WELL NO.
 #24-15
 10. FIELD AND POOL, OR WILDCAT
 Field
 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 15, T9S, R16E, S.L.B. 04
 12. COUNTY OR PARISH
 Duchesne
 13. STATE
 Utah

22. APPROX. DATE WORK WILL START*
 January 15, 1982

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2"	8 5/8"	24# K-55	250'	Circulate to surface cementing will be two staged set D.V. tool 200' below the Mahogany Base, cement to 200' above the Mahogany, quantity of cement will be determined by electrical logs.
7 7/8"	5 1/2"	15.5# K-55	T.D. 5600'	

Drill 12 1/2" hole to approximately 250' set 8 5/8" casing, set up BOP as required and pressure test. Drill 7 7/8" hole to approximately 5600' if production is found feasible set 5 1/2" production casing.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, 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 Bill Elliott TITLE District Superintendent DATE December 29, 1981
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY WJ Montas FOR E. W. GUYNN
 CONDITIONS OF APPROVAL, IF ANY: _____ TITLE DISTRICT OIL & GAS SUPERVISOR DATE JAN 21 1982

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

NOTICE OF APPROVAL

*See Instructions On Reverse Side

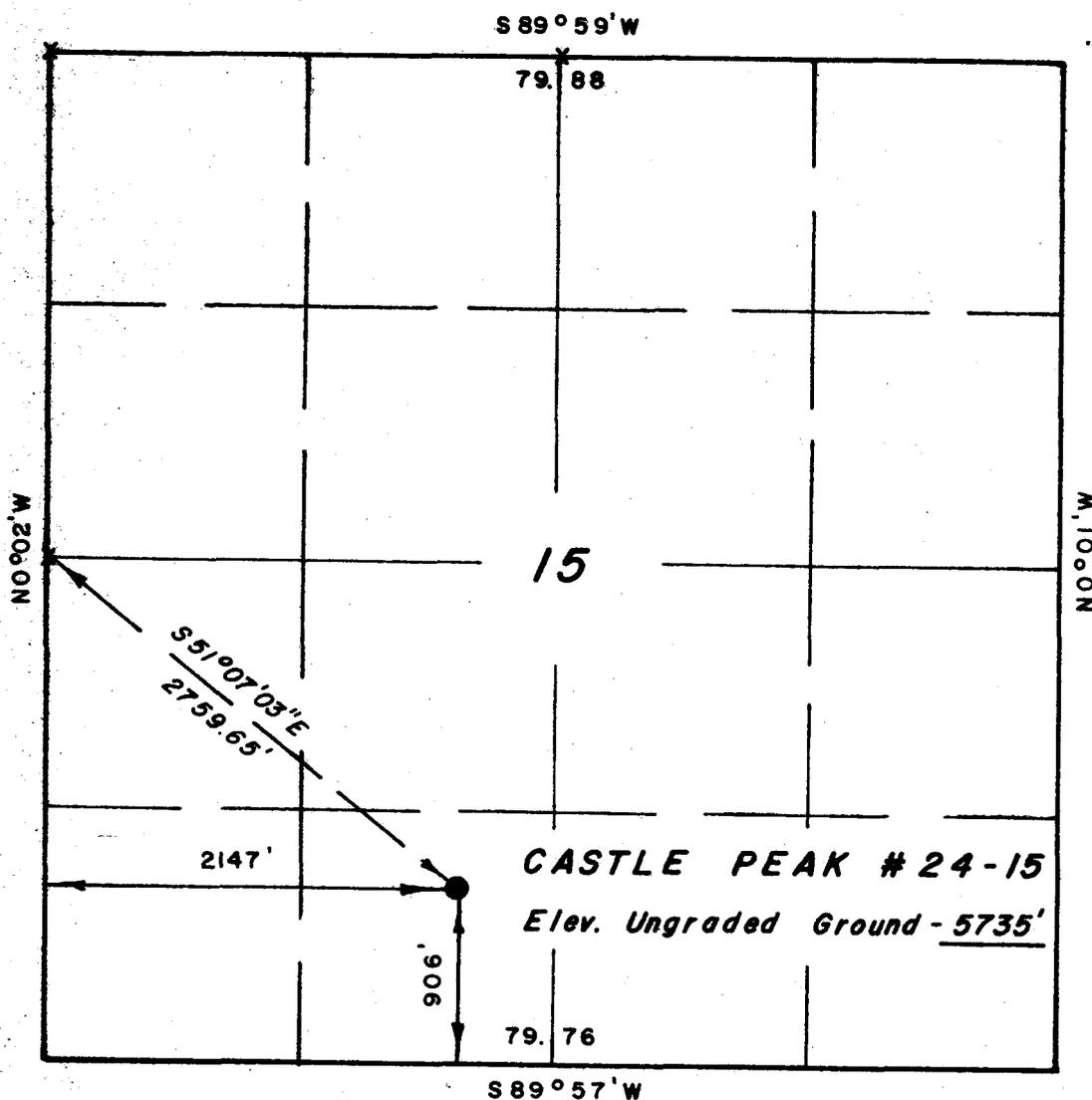
FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A DATED 1/1/80

ft etc 246

T 9 S, R 16 E, S.L.B.&M.

PROJECT
DIAMOND SHAMROCK CORP.

Well location, *CASTLE PEAK # 24-15*, located as shown in the SE 1/4 SW 1/4 Section 15, T9S, R16E, S.L.B.&M. Duchesne County, Utah.



CERTIFICATE

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

Gene Stewart
REGISTERED LAND SURVEYOR
REGISTRATION NO 3154
STATE OF UTAH

X = Section Corners Located

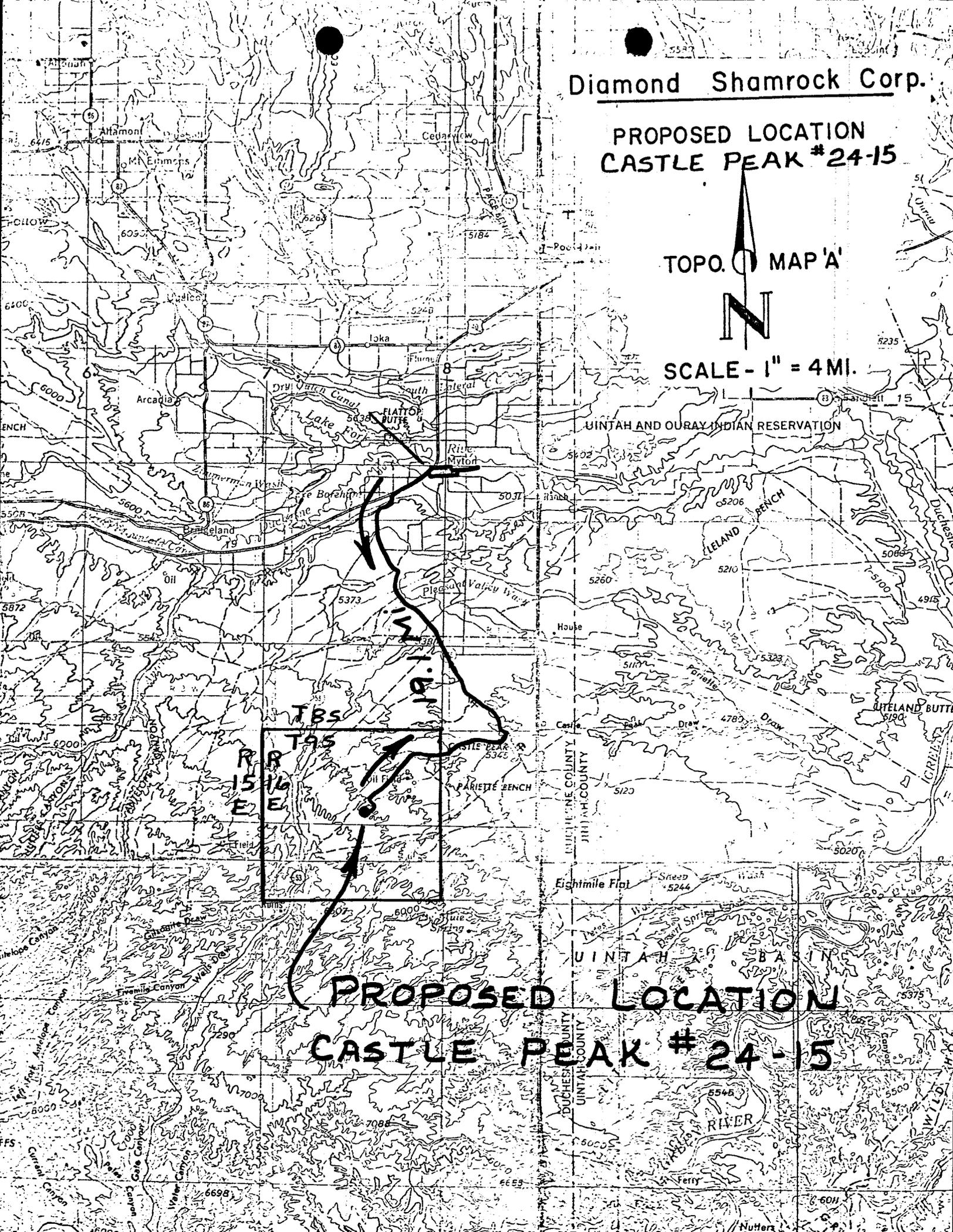
UINTAH ENGINEERING & LAND SURVEYING P. O. BOX Q - 85 SOUTH - 200 EAST VERNAL, UTAH - 84078	
SCALE 1" = 1000'	DATE 12 / 24 / 81
PARTY G.S. T.J. J.P. SB.	REFERENCES GLO Plat
WEATHER Fair	FILE DIAMOND SHAMROCK

Diamond Shamrock Corp.

PROPOSED LOCATION
CASTLE PEAK #24-15



SCALE - 1" = 4 MI.



PROPOSED LOCATION
CASTLE PEAK #24-15

United States Department of the Interior
Geological Survey
2000 Administration Bldg.
1745 West 1700 South
Salt Lake City, Utah 84104

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator Diamond Shamrock
Project Type Oil Well
Project Location 2147' FWL & 906' FSL - Sec. 15, T. 9S, R. 16E
Well No. 24-15 Lease No. U-017985
Date Project Submitted December 29, 1981

FIELD INSPECTION

Date January 11, 1982

Field Inspection
Participants

Greg Darlington - USGS, Vernal
Gary Slagel - BLM, Vernal
Gene Stewart - Diamond Shamrock
Floyd Murray - D. E. Casada

Related Environmental Documents: Unit Resource Analysis, Duchesne Planning
Unit, BLM, Vernal

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

January 15, 1982
Date Prepared

Gregory Darlington
Environmental Scientist

I concur
JAN 19 1982
Date

W. J. Martin
District Supervisor
FOR E. W. GUYNN
DISTRICT OIL & GAS SUPERVISOR

PROPOSED ACTIONS:

Diamond Shamrock plans to drill the Castle Peak #24-15 well, a 5600' oil test of various formations. About .5 mile of new access road will be required to reach the proposed new oil service road to the 33-15 well. A pad 135' x 300' and a reserve pit 75' x 150' are planned for the location.

RECOMMENDED APPROVAL CONDITIONS:

The operator agrees to accept and adhere to the following conditions in addition to the plans outlined in the APD:

1. BLM stipulations;
2. lease stipulations; and
3. provide adequate logs for the identification of other minerals as requested in the Mineral Evaluation Report and Mining Report.

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria 516 DM 2.3.A	Federal/State Agency			Local and private correspondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
	Correspondence (date)	Phone check (date)	Meeting (date)						
Public health and safety							1, 2, 4, 6	1-11-1982	
Unique characteristics							1, 2, 4, 6		
Environmentally controversial							1, 2, 4, 6		
Uncertain and unknown risks							1, 2, 4, 6		
Establishes precedents							1, 2, 4, 6		
Cumulatively significant							1, 2, 4, 6		
National Register historic places							1, 6		
Endangered/threatened species							1, 6		
Violate Federal, State, local, tribal law							1, 2, 4, 6		

CATEGORICAL EXCLUSION REVIEW COMMON REFERENCE LEGEND

1. Surface Management Agency Input
2. Reviews Reports, or information received from Geological Survey
(Conservation Division, Geological Division, Water Resource Division,
Topographic Division)
3. Lease Stipulations/Terms
4. Application Permit to Drill
5. Operator Correspondence
6. Field Observation
7. Private Rehabilitation Agreement
8. *Onsite Requirements other than the items 1-7.*

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 DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER
 SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 DIAMOND SHAMROCK CORPORATION

3. ADDRESS OF OPERATOR
 Drawer E, Vernal UT 84078 801-789-5270

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

2147' FWL 906' FSL
 At proposed prod. zone SE SW

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

17 miles Southwest of Myton, UT

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 906'

16. NO. OF ACRES IN LEASE
 640

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.
 N/A

19. PROPOSED DEPTH
 5600' *Wasatch Tongue*

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5735'

22. APPROX. DATE WORK WILL START*
 January 15, 1982

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
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Drill 12 1/2" hole to approximately 250' set 8 5/8" casing, set up BOP as required pressure test. Drill 7 7/8" hole to approximately 5600' if production is feasible set 5 1/2" production casing.

RECEIVED
 JAN 06 1982
 DIVISION OF OIL, GAS & MINING

APPROVED BY THE STATE
 OF UTAH DIVISION OF
 OIL, GAS, AND MINING
 DATE: 1/10/82
 BY: *[Signature]*

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

24. SIGNED *[Signature]* TITLE District Superintendent DATE December 29, 1981

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY:

NELSON J. MARSHALL
Phone 789-0272

GENE STEWART
Phone 789-1795

LAWRENCE C. KAY
Phone 789-1125

Utah Engineering & Land Surveying

P.O. BOX Q
VERNAL, UT 84078

OFFICE LOCATION
85 SOUTH 200 EAST

PHONE 789-1017



December 28, 1981

Mike Minder
State Oil & Gas Commission
4241 State Office Building
Salt Lake City, UT 84114

Re: Request for variance - Diamond Shamrock
Castle Peak Federal #33-15 and
Castle Peak Federal #24-15

Dear Mike,

As consultants for DIAMOND SHAMROCK CORPORATION, we realize that our spacing for the above mentioned wells located in Section 15, T9S, R16E, S.L.B. & M. is the center of each 40 acre parcel with a tolerance of 160.0' making any location at least 500' from any subdivision lines. However due to extreme topographic problems in the area we request a variance on the above described wells to be.

Castle Peak Federal #24-15 2147' FWL 906' FSL
Castle Peak Federal #33-15 1790' FEL 2341' FSL

See the attached topographic map for approximate locations compared to the true location site.

If you have any questions concerning this matter please be in touch with this office.

Thank you

A handwritten signature in cursive script that reads "Gene Stewart".

Gene Stewart

RECEIVED
JAN 06 1982

DIVISION OF
OIL, GAS & MINING
GS:sh

1. GEOLOGICAL NAME OF SURFACE FORMATION
 - (A) Uintah Formation of Eocene Age
2. TOPS OF IMPORTANT GEOLOGICAL MARKERS
 - (A) Top Oil Shale 1345'
 - (B) Horsebench Sand 1955'
 - (C) Base Oil Shale 2635'
 - (D) Garden Gulch 3425'
 - (E) Douglas Creek Member 4425'
 - (F) Douglas Creek VII Sand 4445'
 - (G) Douglas Creek III Sand 4875'
 - (H) Wasatch Tongue 5285'
 - (I) Wasatch Tongue Sand 5415'
 - (J) T.D. 5600
3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL OR GAS
 - (A) Oil anticipated in Garden Gulch, Douglas Creek VII Sand, Douglas Creek III Sand, Wasatch Tongue Sand.
4. PROPOSED CASING PROGRAM
 - (A) 250' of 8 5/8" surface Casing 32# per foot.
5600' of 5 1/2" 15.5# per foot. (K-55).
5. SPECIFICATIONS FOR PRESSURE CONTROL EQUIPMENT
 - (A) 12 inch 3000# Double Hydraulic BOP with Pipe Rams and Blind Rams and Spherical BOP.
 - (B) BOP to be pressure tested before spudding and daily testing of closing units and rams while drilling.
6. PROPOSED CIRCULATING MEDIUM
 - (A) Brine water is proposed to be used unless additional weight is needed to control pressures or heaving shale. In this event a chemical-gel fresh water mud will be used and Barite as needed to control pressure.
7. AUXILLIARY EQUIPMENT TO BE USED
 - (A) Upper Kelly
 - (B) Float at Bit
 - (C) Floor T.I.W. Valve (stabbing valve) for drilling pipe
 - (D) Gas Detector Logging Unit

8. TESTING, LOGGING AND CORING PROGRAM

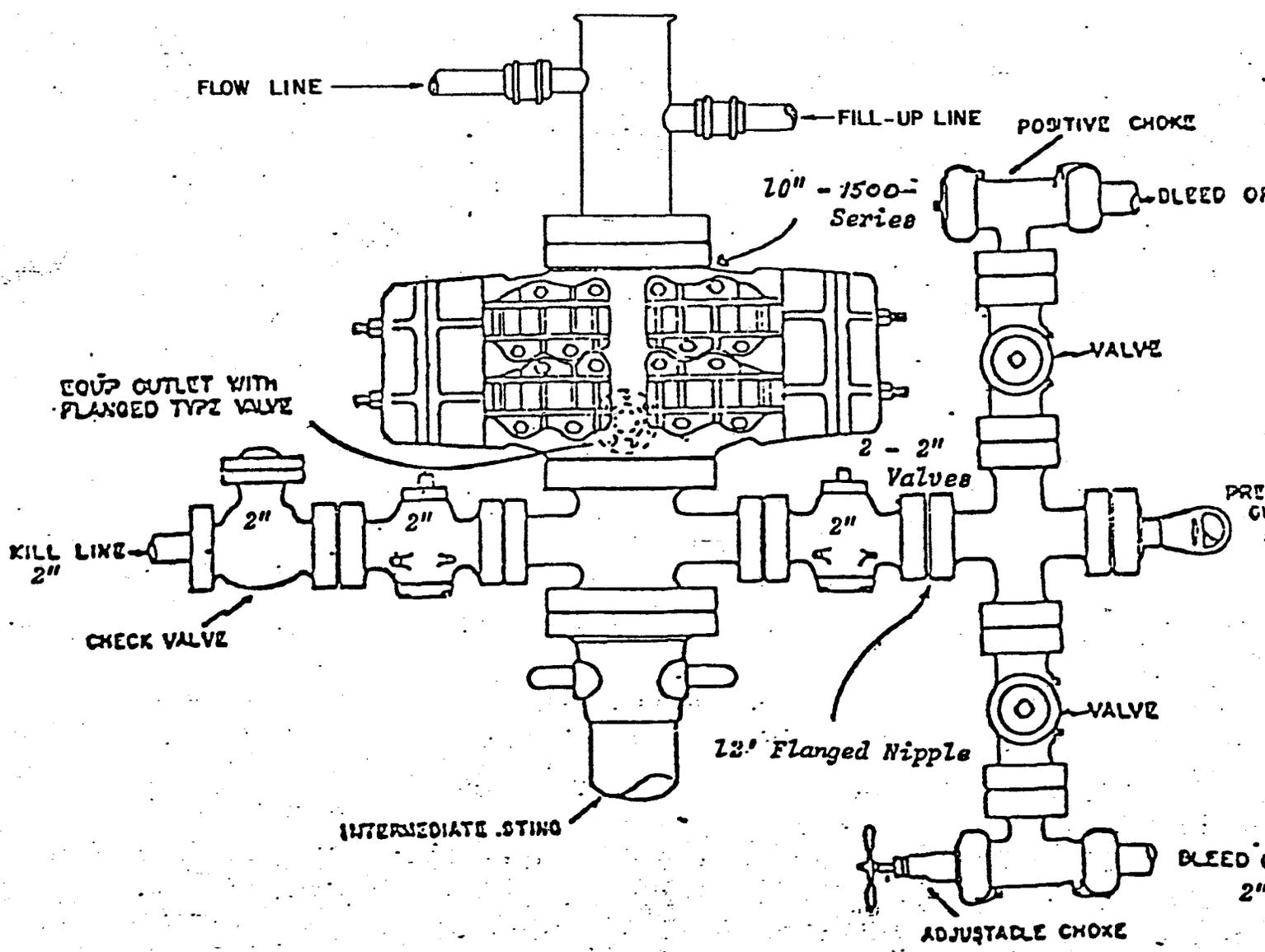
- (A) DIL-SFL Base of surface casing T.D.
- (B) GR-FDC-CNL Base of surface casing T.D.
- (C) Cyberlook - Base of surface casing T.D.
- (D) BHC-Sonic - Base of surface casing T.D.

9. ANTICIPATED ABNORMAL PRESSURES, TEMPERATURES OF HAZARDS

- (A) No abnormal pressures expected
- (B) No hydrogen sulfide gas expected

10. STARTING DATE AND DURATION OF OPERATIONS

- (A) Anticipated starting date as soon as approvals are made. (Jan. 15, 1982)
- (B) This well is anticipated to be drilled in approximately 30 days.



NOTE: BLOWOUT PREVENTER HAS DOUBLE RAMS;
ONE BLIND AND ONE PIPE RAM.

Diag. A

CEMENTING PROGRAM DESCRIPTION

5½" casing will be run to T.D. as stated in the 10 point plan, part #4, of the Application for permit to Drill NTL-6, utilizing a multiple stage cementing collar at the base of the Mahogany Zone. The productive zones will be covered with cement through the bottom of the 5½" production casing. The multiple stage collar will then be opened and portions of the Mahogany Zone containing Hydrocarbons will be covered with a second stage of cement.

The Placement of the cementing collar and the quantities of cement pumped will be determined after the Electrical logs are evaluated. This procedure will isolate the Douglas Creek Aquifer from both the productive Zones below in the Wasatch and Mesaverde as well as from the Hydrocarbons present in the Mahogany. The upper water zone will be isolated from the hydrocarbon bearing portions of the Mahogany.

DIAMOND SHAMROCK CORPORATION

13 Point Surface Use Plan

Well Location

Castle Peak #24-15

Located In

Section 15, T9S, R16E, S.L.B.& M.

Duchesne County, Utah

DIAMOND SHAMROCK CORPORATION
Castle Peak #24-15
Section 15, T9S, R16E, S.L.B. & M.

1. EXISTING ROADS

See attached Topographic Map "A".

To reach DIAMOND SHAMROCK CORPORATION, well location site Castle Peak #24-15, located in the SE 1/4 SW 1/4 Section 15, T9S, R16E, S.L.B. & M., Duchesne County, Utah:

Proceed Westerly out of Myton, Utah along U.S. Highway 40 - 1.4 miles to the junction of this Highway and Utah State Highway 53; proceed Southerly along Utah State Highway 53 - 1.6 miles to its junction with Utah State Highway 216; proceed Southerly along State Highway 216 - 9.5 miles to its junction with an existing road to the Southwest proceed Southwesterly along this road 5.5 miles to its junction with the proposed assess road (to be discussed in Item #2).

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 216 exits to the South; thereafter the road is constructed with existing materials and gravels. The Highways are maintained by Utah State road crews. All other roads are maintained by County crews.

The aforementioned dirt oil field service road and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing areas they are located in and range from clays to sandy-clay shale material.

The roads that are required for access during the drilling phase, completion phase, and production phase, of this well will be maintained at the standards required by the B.L.M. or other controlling agencies. This maintenance will consist of some minor grader work for smoothing of road surfaces and for snow removal.

2. PLANNED ACCESS ROAD

See Topographic Map "B".

The planned road leaves the existing road described in Item #1 in the SW 1/4 NW 1/4 Section 15, T9S, R16E, S.L.B. & M., and proceeds in a Easterly and then Southwesterly direction approximately 1.4 miles to the proposed location site.

The proposed access road will be an 18' crown road (9' either side of the centerline) with drain ditches along either side of the proposed road where it is determined necessary in order to handle any run-off from normal meterological conditions that are prevalent to this area.

Back slopes along the cut areas of the road will be 1 1/2 to 1 slopes and terraced.

There will be one culvert required along this access road. This culvert will be a 36" culvert and will be placed according to the specifications found in the Oil & Gas Surface Operations Manual. If at the time of the onsite it is found feasible the proposed culvert may be replaced by a dry wash drainage crossing.

There will be no turnouts required along this road.

There are no fences encountered along this access road therefore there are no gates or cattleguards required.

The lands involved in this action are under B.L.M. jurisdiction.

The terrain that is traversed by this road is relatively flat. The grade of this road will not exceed 8%.

3. LOCATION OF EXISTING WELLS

There are known producing wells and one existing abandoned well within a one mile radius of this location site. (See Topographic Map "B").

There are no known water wells, abandoned wells, drilling wells, shut-in wells for observation or for other resources within a one mile radius.

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

There are existing production facilities belonging to DIAMOND SHAMROCK CORPORATION within a one mile radius.

A tank battery site will be set at the proposed location site. This battery will be used to contain production from this well. If in the event this battery can not be improvised, a flowline will be built which will extend to existing facilities in the area.

The area will be built if possible, with native materials and if these materials are not available then the necessary arrangements will be made to get them from private sources. These facilities will be constructed using bulldozers, graders and workman crews to construct and place the proposed facilities. If there is any deviation from the above, all appropriate agencies will be notified. Rehabilitation of disturbed areas no longer needed for operation after construction is completed will meet the requirements of Item #10.

5. LOCATION AND TYPE OF WATER SUPPLY

See Topographic Map "B".

At the present time, it is anticipated that the water for this well will be hauled by truck over the existing roads and the proposed access road approximately 17.7 miles from the Duchesne River at a point where it crosses under U.S. Highway 40.

In the event that this source is not used, an alternate source will be used and all necessary arrangements will be made with the proper authorities.

There will be no water well drilled at this location site.

6. SOURCE OF CONSTRUCTION MATERIALS

All construction material for this location site and access road shall be borrow material accumulated during construction of the location site and access road. No pit lining materials from other sources are anticipated at this time, but if they are required, the appropriate actions will be taken to acquire them from private sources.

7. METHODS OF HANDLING WASTE DISPOSAL

See Location Layout Sheet.

A reserve pit will be constructed.

The reserve pit will vary in size and depth according to the water table at the time of drilling.

One half of the reserve pit will be used as a fresh water storage area during the drilling of this well and the other one half will be used to store non-flammable materials such as cuttings, salts, drilling fluids, chemicals and produced fluids, etc.

If deemed necessary by the agencies concerned to prevent contamination to surrounding areas, the reserve pits will be lined with a gel.

The pits will have wire and overhead flagging installed if deemed necessary to protect the water fowl, wildlife, and domestic animals.

At the onset of drilling, the reserve pit will be fenced on three sides and at the time drilling activities are completed, it will be fenced on the fourth side and allowed to dry completely prior to the time that backfilling and other reclamation activities are attempted.

When the reserve pit dries and reclamation activities commence, the pits will be covered with a minimum of four feet of soil and all requirements in Item #10 will be followed.

A portable toilet will be supplied for human waste.

8. ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. WELL-SITE LAYOUT

See attached Location Layout Sheet.

The B.L.M. Representative shall be notified before any construction begins on the proposed location site.

As mentioned in Item #7, the pits will be unlined unless it is determined by the representatives of the agencies involved that the materials are too porous and would cause contamination to the surrounding area; then the pits will be lined with a gel and any other type of material necessary to make it safe and tight.

When drilling activities commence, all work shall proceed in a neat and orderly sequence.

10. PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, all topsoil shall be stripped and stockpiled. (See location layout sheet and Item #9). When all drilling and production activities have been completed, the location site and access road will be reshaped to the original contour and stockpiled topsoil spread over the disturbed area.

Any drainages re-routed during construction activities shall be restored to their original line of flow as near as possible. Fences around pits are to be removed upon completion of drilling activities and all waste being contained in the trash basket shall be hauled to the nearest Sanitary Landfill.

Restoration activities shall begin within 90 days after completion of the well. Once restoration activities have begun, they shall be completed within 30 days.

When restoration activities have been completed, the location site and access ramp shall be reseeded with a seed mixture recommended by the B.L.M. Representative when the moisture content of the soil is adequate for germination. The Lessee further covenants and agrees that all of said clean-up and restoration activities shall be done and performed in a diligent and most workmanlike manner and in strict conformity with the above mentioned Items #7 and #10.

11. OTHER INFORMATION

The Topography of the General Area - (See Topographic Map "A")

The area is a large basin formed by the Uinta Mountains to the North and the Book Cliff Mountains to the South. The Duchesne River is located approximately 10 miles to the North of the location site.

The basin floor is interlaced with numerous canyons and ridges formed by the non-perennial streams of the area. The sides of these canyons are steep and ledges formed in sandstone ledges, conglomerate deposits, and shale are common in this area.

The geologic structures of the area that are visible are of the Uinta formation (Eocene Epoch) Tertiary Period in the upper elevations and the cobblestone and younger alluvial deposits from the Quaternary Period.

DIAMOND SHAMROCK CORPORATION
Castle Peak #24-15
Section 15, T9S, R16E, S.L.B. & M.

Outcrops of sandstone ledges, conglomerate deposits and shale are common in this area.

The topsoils in the area range from a light brownish-gray sandy clay (SM-ML) type soil with poorly graded gravels to a clayey (OL) soil.

The majority of the numerous washes and draws in the area are of a non-perennial nature flowing during the early spring run-off and heavy rain storms of long duration which are rare as the normal annual rainfall in the area is only 8".

Due to the low precipitation average, climatic conditions and the marginal types of soils, the vegetation that is found in the area are common of the semi-arid regions and consists of areas of sagebrush, rabbitbrush, some grasses and cacti as the primary flora. This is also true of the lower elevations.

The fauna of the area is sparse and consists predominantly of the mule deer, pronghorn antelope, coyotes, rabbits, and varieties of small ground squirrels and other types of rodents. The area is used by man for the primary purpose of grazing domestic sheep and cattle.

The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

The Topography of the Immediate Area - (See Topographic Map "B"):

Castle Peak #24-15 is located approximately 100' South of Castle Peak Draw a non-perennial drainage which drains to the North and East.

The terrain in the vicinity of the location slopes from the Southwest through the location site to the North at approximately a 3.3% grade.

The vegetation in the immediate area surrounding the location site consists of grasses and sparse amounts of sagebrush.

There are no occupied dwellings or other facilities of this nature in the general area.

All lands involved under this action are under B.L.M. jurisdiction.

There are no visible archaeological, historical, or cultural sites within any reasonable proximity of the proposed location site. (See Topographic Map "B").

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

Bill Elliot
DIAMOND SHAMROCK CORPORATION
85 South 200 East
Vernal, UT 84078

1-801-789-5270

DIAMOND SHAMROCK CORPORATION
Castle Peak # 24-15
Section 15, T9S, R16E, S.L.B. & M.

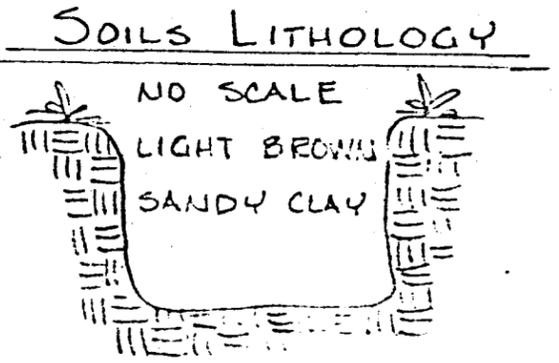
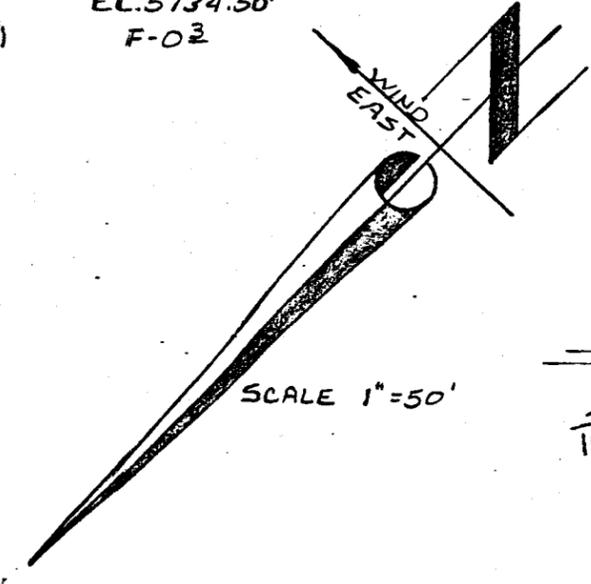
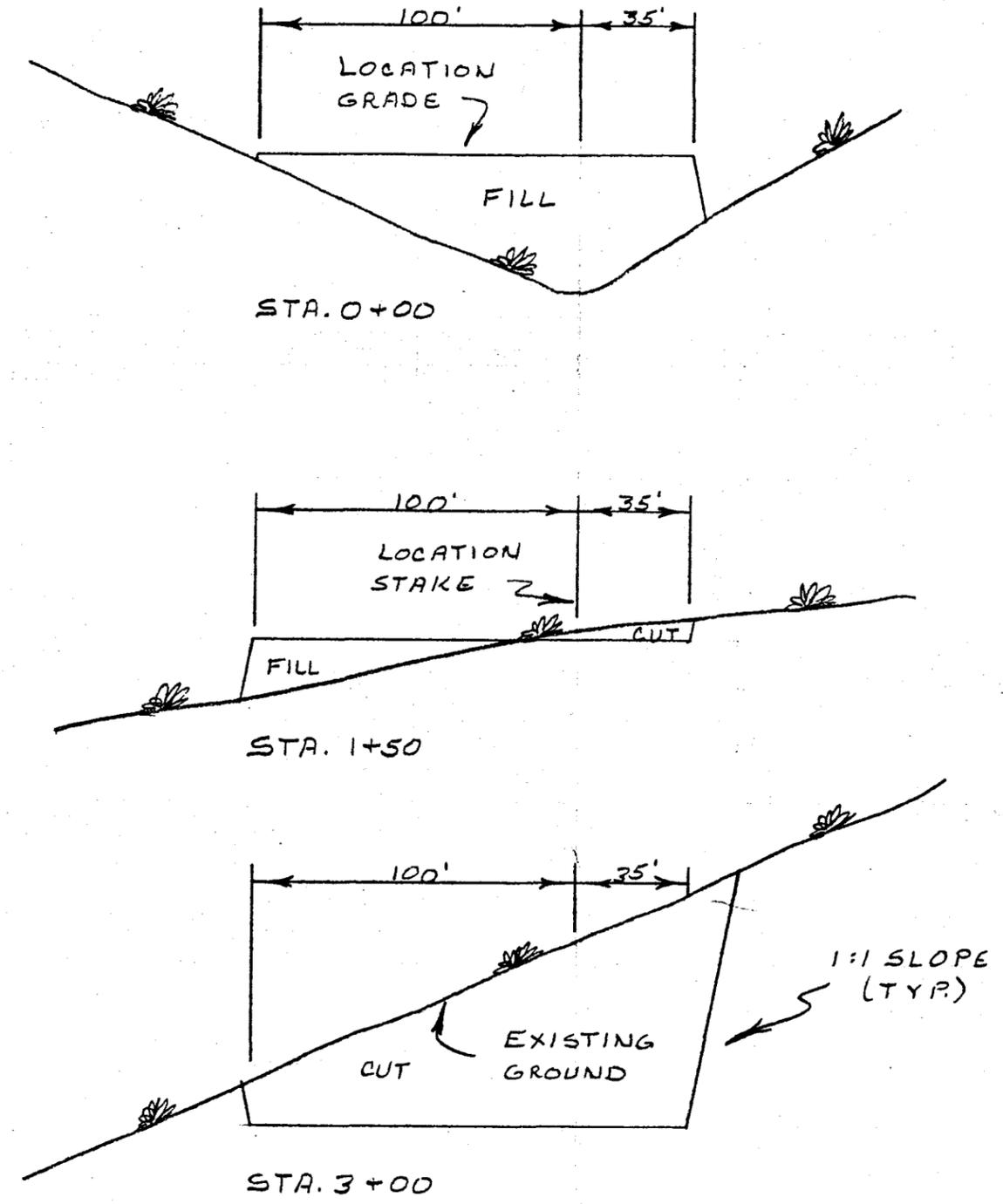
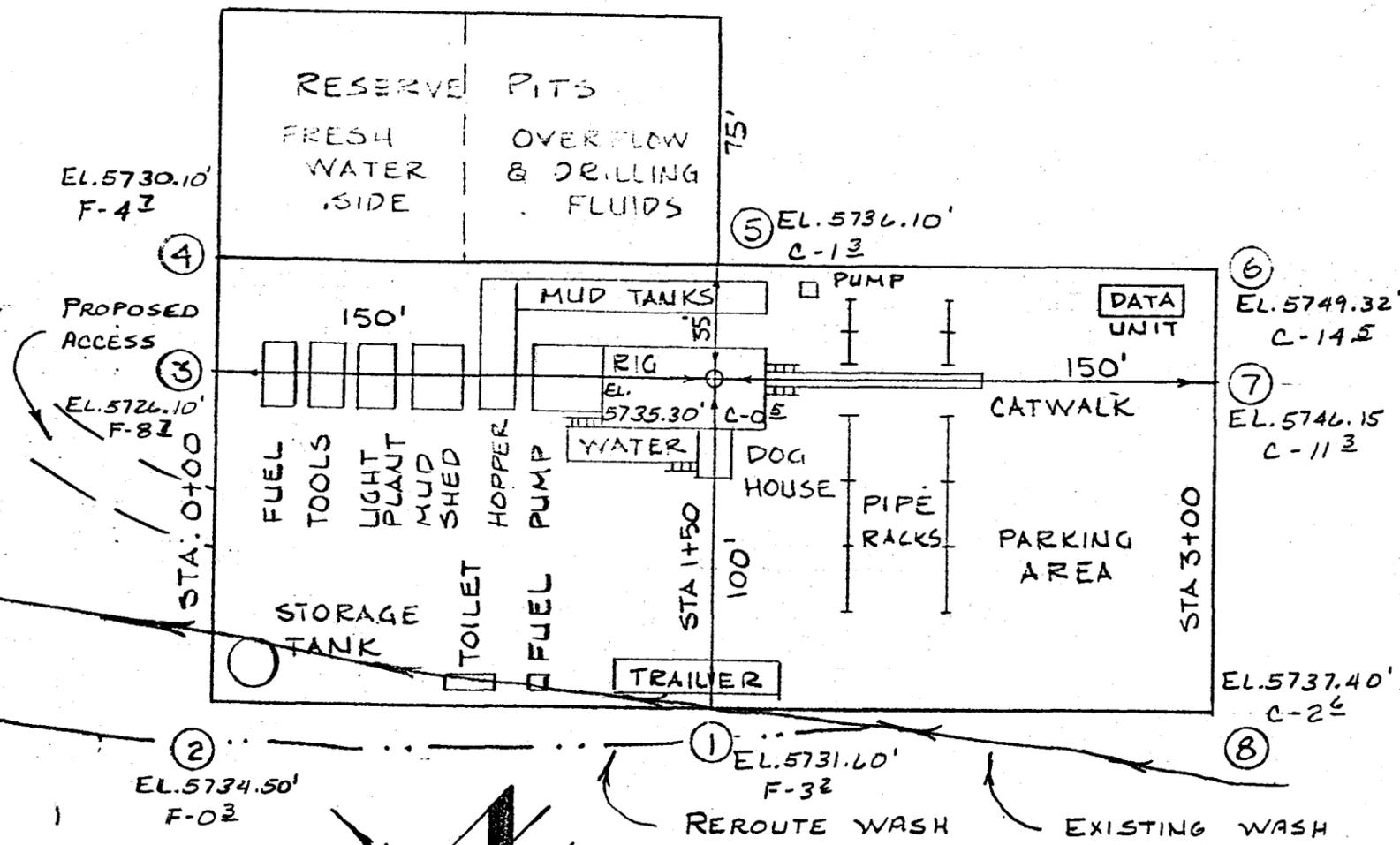
13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access route; that I am familiar with the conditions which 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 operation proposed herein will be performed by DIAMOND SHAMROCK CORPORATION and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

Dec 29, 1981
Date

Bill Elliot
Bill Elliot

DIAMOND SHAMROCK CORP. CASTLE PEAK # 24-15

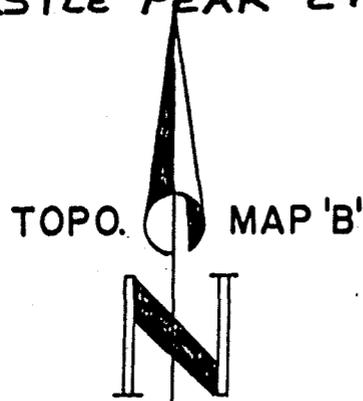


SCALES
1" = 50'

APPROX YARDAGES
CUBIC YARDS CUT - 3695
CUBIC YARDS FILL - 2763

Diamond Shamrock Corp.

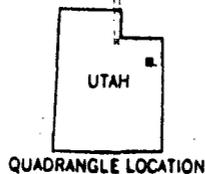
PROPOSED LOCATION
CASTLE PEAK #24-15

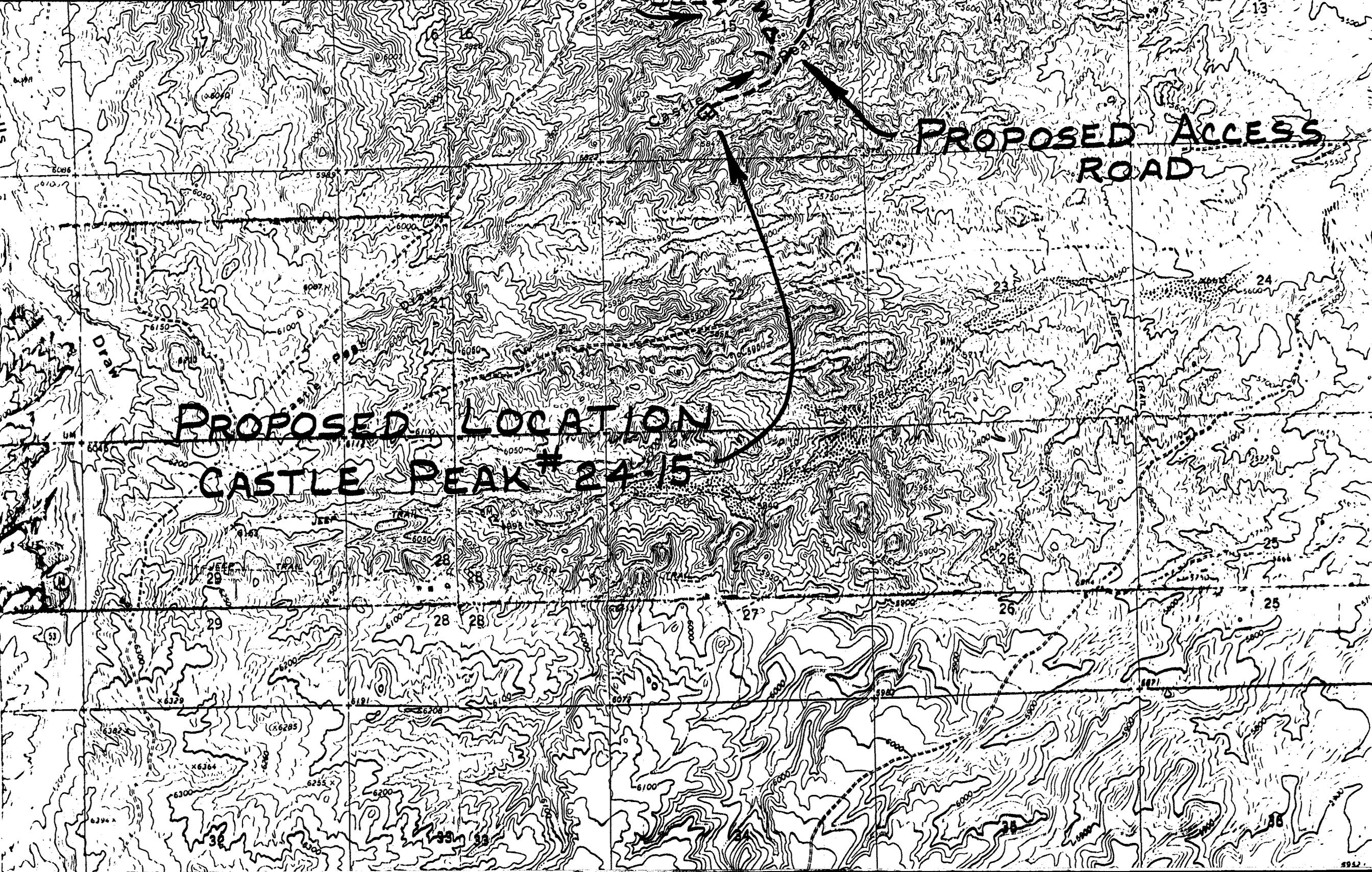


SCALE - 1" = 2000'

ROAD CLASSIFICATION
Medium-duty Light-duty
Unimproved dirt

State Route





PROPOSED ACCESS ROAD

PROPOSED LOCATION
CASTLE PEAK # 24-15

DISH

53

** FILE NOTATIONS **

DATE: 1-6-82

OPERATOR: Diamond Shamrock Corp.

WELL NO: Crocker Peak Federal #24-15

Location: Sec. 15 T. 9S R. 16E County: Dubuque

File Prepared:

Entered on N.I.D:

Card Indexed:

Completion Sheet:

API Number 43-013-30631

CHECKED BY:

Petroleum Engineer: _____

Director: Unit well

Administrative Aide: Unit well

APPROVAL LETTER:

Bond Required:

Survey Plat Required:

Order No. _____

O.K. Rule C-3

Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site

Lease Designation Fed.

Plotted on Map

Approval Letter Written

Hot Line

P.I.

January 11, 1982

Diamond Shamrock Corporation
Drawer E
Vernal, Utah 84078

RE: Well No. Castle Peak Federal #24-15
Sec. 15, T. 9S, R. 16E
Duchesne County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Section 40-6-11, Utah Code Annotated 1953; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

CLEON B. FEIGHT - Director
Office: 533-5771
Home: 466-4455

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-013-30631.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Cleon B. Feight
Director

CBF/as
Encl.
cc: USGS



United States Department of the Interior

IN REPLY REFER TO

T & R
U-801

BUREAU OF LAND MANAGEMENT
VERNAL DISTRICT OFFICE
170 South 500 East
Vernal, Utah 84078

January 12, 1982

Ed Guynn, District Engineer
USGS, Conservation Division
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

Re: Joint Onsite Inspection
Diamond Shamrock Corporation
T9S, R16E, Section 10
Well #44-10
T9S, R16E, Section 15
Wells 22-15, 24-15, 33-15, 42-15

Dear Mr. Guynn;

On January 11, 1982, a joint onsite inspection was made of the above referenced well site locations and proposed access roads by people representing Diamond Shamrock, Casada Construction, USGS, and the BLM. We feel that the surface use and operating plans are adequate with the following stipulations:

1. Construction and maintenance of roads, rehabilitation of disturbed areas, and construction of pipeline routes shall be in accordance with surface use standards as set forth in the booklet, "Surface Operating Standards for Oil and Gas Exploration and Development."
2. The maximum width of access roads will be 30 feet total disturbed area. Turnouts will not be required and traveling off the right-of-way will not be allowed.
3. Topsoil will be stockpiled as addressed in the applicants 13 point plan. Our office recommends the top 6-10 inches of soil materials be stockpiled.
4. The BLM will be notified at least 24 hours prior to any construction.
5. The BLM will be notified at least 24 hours prior to any rehabilitation.
6. A burn pit will not be constructed. There will be no burying of garbage or trash at the location. All trash must be contained and hauled to an approved disposal site.
7. All permanent (on site for six (6) months duration or longer) structures constructed or installed shall be painted a flat (non-reflective) earth tone color to match Themec 23-08351 Mesa Brown Enduratone or an approved equal. Facilities that are required to comply with O.S.H.A. (Occupational Safety and Health Act) standards are excluded.

8. At location #44-10, the size of the pit will be changed to 100' x 120'.
9. At location #24-15, the topsoil will be stockpiled between points 7 and 8.

An archaeological clearance has been conducted by Utah Archaeological Research Corporation of the proposed drill sites and access roads. No cultural materials were located on the surface of the survey areas.

The proposed activities do not jeopardize listed, threatened, or endangered flora/fauna and their habitats.

Sincerely,



Ralph J. Heft
Area Manager
Diamond Mountain Resource Area

cc: USGS, Vernal

PI
HOTLINKS ✓

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: DIAMOND SHAMROCK

WELL NAME: Castle Peak Federal 24-15

SECTION SESW 15 TOWNSHIP 9 S RANGE 16 E COUNTY Duchesne

DRILLING CONTRACTOR Brinkerhoff

RIG # 85

SPUDDED: DATE 6-19-82

TIME 7:30 PM

How Rotary

DRILLING WILL COMMENCE _____

REPORTED BY Jim Pachulski

TELEPHONE # 307-266-1882

DATE 6-21-82

SIGNED AS

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(FORM 9-329)
(2/76)
OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No. U-017985
Communitization Agreement No. ---
Field Name Monument Butte Castle Peak
Unit Name Castle Peak
Participating Area ---
County Duchesne State Utah
Operator Diamond Shamrock Corporation
 Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of June, 19 82

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & ¼ of ¼	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
24-15	15 SE/SW	9S	16E	DRG.	6-19	RURT and spud.			Castle Peak Federal 24-15 (13-013-3063)
					6-20	Drill to 278'.			
					6-21	Run 8 5/8", 24#, K-55 casing set @ 274' KB. Cement with 200 sxs.			
					6-22	thru 6-25 Drill to 3655'.			

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BLS)	Gas (MCF)	Water (BLS)
*On hand, Start of Month	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced	_____	_____	_____
*Sold	_____	_____	XXXXXXXXXXXXXXXXXX
*Spilled or Lost	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX	_____	XXXXXXXXXXXXXXXXXX
*Used on Lease	_____	_____	XXXXXXXXXXXXXXXXXX
*Injected	_____	_____	_____
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	_____
*Other (Identify)	_____	_____	_____
*On hand, End of Month	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	_____	_____	XXXXXXXXXXXXXXXXXX

Authorized Signature:  Address: 5730 W. Yellowstone Casper, Wyo.
Title: Asst. Dist. Drlg. Supt. Page _____ of _____

NOTICE OF SPUD

Company: Diamond Shamrock

Caller: _____

Phone: 307-266-1882

Well Number: 24-15

Location: SE SW 15-9S-16E

County: Duchesne State: Utah

Lease Number: U-017985

Lease Expiration Date: _____

Unit Name (If Applicable): _____

Date & Time Spudded: 7:30 PM 6-19-82

Dry Hole Spudder/Rotary: _____

Details of Spud (Hole, Casing, Cement, etc.) _____

set surface pipe

274' kb 24lb K 55

C/ surf w/ 300 etc

Rotary Rig Name & Number: Brinkerhoff #85

Approximate Date Rotary Moves In: 6-18-82

FOLLOW WITH SUNDRY NOTICE

Call Received By: DeLois

Date: 6-21-82

RECEIVED
JUN 22 1982

DIVISION OF
OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR

Diamond Shamrock Corporation

3. ADDRESS OF OPERATOR

5730 W. Yellowstone Casper, Wyo. 82604

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 2147' FWL, 906' FSL SE/SW
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL
PULL OR ALTER CASING
MULTIPLE COMPLETE
CHANGE ZONES
ABANDON*

SUBSEQUENT REPORT OF:

(other) Notification of Spud

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Spudded 7:30 p.m., 6-19-82. Drilled 12 1/4" hole to 274' KB and set 274' KB of 8 5/8", 24#, K-55 casing. Cemented to surface with 200 sxs. Brinkerhoff Rig #85.

RECEIVED
JUN 25 1982

DIVISION OF
OIL, GAS & MINING

Subsurface Safety Valve: Manu. and Type _____

Set @ _____ Ft.

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

SIGNED James M. Puchalski TITLE Environment & Regulation Eng. DATE June 21, 1982

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(FORM 9-329)
(2/76)
OMB 42-RO 356

Lease No. U-017985
Communitization Agreement No. N/A
Field Name Monument Butte
Unit Name _____
Participating Area N/A
County Duchesne State Utah
Operator Diamond Shamrock Corporation
 Amended Report

MONTHLY REPORT
OF
OPERATIONS

The following is a correct report of operations and production (including status of all unplugged wells) for the month of July, 19 82

(See Reverse of Form for Instructions)

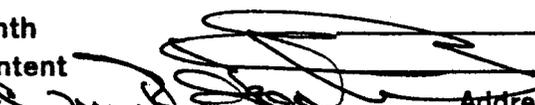
This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & ¼ of ¼	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
24-15	15 SE/SW	9S	16E	DRG.					Castle Peak Federal 24-15
					6-26 thru 7-1	Drill to 5872'. Log.			
					7-2	Run 5½", 15.5#, K-55 casing. Set @ 5867' KB. Cement with 800 sxs. Rig released. (PBSD 5815')			
					7-3 thru 7-16	WOCT			
					7-17	RUCT. RIH. Displaced hole with 2% KCL.			
					7-18	Perforate 5460' - 5477' (35 holes)			
					7-19	Frac. with 2000 gal. 15% HCL; 643 bbl. KCL gel and 36,500# sand.			
					7-20	Swab test.			
					7-21	Swab test. Run pump and rods. Rig released.			
					7-22 thru 7-25	Pump test.			

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced	_____	_____	_____
*Sold	_____	_____	XXXXXXXXXXXXXXXXXX
*Spilled or Lost	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX	_____	XXXXXXXXXXXXXXXXXX
*Used on Lease	_____	_____	XXXXXXXXXXXXXXXXXX
*Injected	_____	_____	_____
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	_____
*Other (Identify)	_____	_____	_____
*On hand, End of Month	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	_____	_____	XXXXXXXXXXXXXXXXXX

Authorized Signature:  Address: 5730 W. Yellowstone Casper, Wyo.
Title: Asst. Dist. Drlg. Supt. Page _____ of _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

(FORM 9-329)
(2/76)

OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No. U-017985
Communitization Agreement No. N/A
Field Name Monument Butte
Unit Name N/A
Participating Area N/A
County Duchesne State Utah
Operator Diamond Shamrock Corporation
 Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of August, 19 82

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
24-15	15 SE/SW	9S	16E	DRG.	7-26 thru 8-5				Castle Peak Federal 24-15
									Pump test.
					8-6				RUCT. POOH with rods and tubing.
					8-7				RIH with Bridge Plug and lost Bridge plug
					8-8				Retrieve rish. RIH with B.P. and set @ 5200', POOH
					8-9				Perforate 4893' - 4904' (23 holes). Frac. with 1500 gal. 15% HCL, 560 bbl. 2% KCL gel & 25.2K# sand.
					8-10				RIH & retrieve B.P. POOH. RIH with prod. assembly
					8-11				Swab test
					8-12				RIH with pump and rods. Release rig. Pump test.
					8-13 thru 8-18				Pump test.
					8-19				RUCT. POOH with rods and tubing.
					8-20				Perf. 4645' - 4652' (15 holes) and 4534' - 4548' (29 holes) RIH with bridge plug
					8-21				Swab test
					8-22				Frac with 2500 gal. 15% HCL, 905 bbl. 2% KCL gel and 56.5K# sand.
					8-23				RIH & retrieve B.P. POOH. RIH with prod. assembly
					8-24				Swab test
					8-25				Swab test, RIH with rods. Released rig. Turned to Production.

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BCLS)	Gas (MCF)	Water (BBLS)
*On hand, Start of Month		XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*Produced			
*Sold			XXXXXXXXXXXXXXXXXXXX
*Spilled or Lost		XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXXXX		XXXXXXXXXXXXXXXXXXXX
*Used on Lease			XXXXXXXXXXXXXXXXXXXX
*Injected			
*Surface Pits	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	
*Other (Identify)			
*On hand, End of Month		XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content			XXXXXXXXXXXXXXXXXXXX

Authorized Signature:  Address: 5730 W. Yellowstone Casper, Wyo.
Title: Asst. Dist. Drlg. Supt. Page _____ of _____

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

14

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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

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

2. NAME OF OPERATOR
Diamond Shamrock Corporation

3. ADDRESS OF OPERATOR
5730 West Yellowstone Hwy, Casper, Wyoming 82404

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 2147' FWL, 906' FSL SE/SW
At top prod. interval reported below
At total depth

14. PERMIT NO. 43-013-30631
12. COUNTY OR PARISH Duchesne
13. STATE Utah

15. DATE SPUNDED 6-19-82
16. DATE T.D. REACHED 7-1-82
17. DATE COMPL. (Ready to prod.) 8-30-82
18. ELEVATIONS (DF, BKB, RT, GR, ETC.)* 7535' GR
19. ELEV. CASINGHEAD 7535'

20. TOTAL DEPTH, MD & TVD 5872'
21. PLUG, BACK T.D., MD & TVD 5831'
22. IF MULTIPLE COMPL., HOW MANY* - - -
23. INTERVALS DRILLED BY 10' - 5872'
ROTARY TOOLS
CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
4534' - 4548' 4893' - 4904'
4645' - 4652' 5460' - 5477' Green River
25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN
CBL, RDC-CNL, GR, Cyberlook
27. WAS WELL CORED No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24#	274' KB	12 1/4"	200 SXS.	-0-
5 1/2"	15.5#	5867' KB	7 7/8"	800 SXS.	-0-

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	5288'	- - -

31. PERFORATION RECORD (Interval, size and number)

Interval	Size	Number
4534' - 4548'	.48	29 holes
4645' - 4652'	.48	15 holes
4893' - 4904'	.48	23 holes
5460' - 5477'	.48	35 holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
Three:	See attached sheet

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
8-30-82	Pumping	Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
8-30-82	24	- - -	→	110	40	15	364:1

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
- - -	- - -	→	- - -	- - -	- - -	30 @ 60°

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Used for fuel
TEST WITNESSED BY B. Elliott

35. LIST OF ATTACHMENTS
None

36. I hereby certify that the foregoing information is complete and correct as determined from all available records
SIGNED [Signature] TITLE Asst. Dist. Drlg. Supt. DATE 8-31-82

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

RECEIVED
SEP 03 1982
DIVISION OF OIL, GAS & MINING

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.
Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement". Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.
Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
<p>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</p>			
<p>38. GEOLOGIC MARKERS</p>			
NAME	MEAS. DEPTH	TOP -	TRUE VERT. DEPTH
Top Oil Shale	1478'		
Horsebench	2066'		
Base Oil Shale	2978'		
Garden Gulch	3508'		
Douglas Creek	4498'		
Upper Black Shale	5148'		
Watasch Tongue	5377'		
Lower Black Shale	5806'		
T.D.	5871'		

Castle Peak Federal 24-15 (attachment)
SE/SW, Sec. 15, T9S, R16E
Duchesne County, Utah

32. Acid, Shot, Fracture, Cement Squeeze, Etc.

4534' - 4652'	60 bbl. 15% HCL; 905 bbl. Versogel; 56.5K# sand.
4893' - 4904'	36 bbl. 15% HCL; 560 bbl. Versogel; 29.5K# sand.
5460' - 5477'	48 bbl. 15% HCL; 643 bbl. Versogel; 36.5K# sand.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
DIAMOND CHEMICAL CO. (formerly DIAMOND SHAMROCK)

3. ADDRESS OF OPERATOR
P.O. Drawer "E", Vernal, Utah 84078

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE:
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>
(other) lay surface gas lines	<input checked="" type="checkbox"/>	<input type="checkbox"/>

5. LEASE U-017985

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
CASTLE PEAK FEDERAL

9. WELL NO.

10. FIELD OR WILDCAT NAME
Monument Butte Field

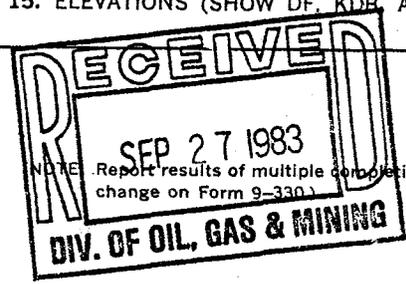
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sections 10 & 15, T9S, R16E

12. COUNTY OR PARISH
Duchesne

13. STATE
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)



17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

DIAMOND CHEMICAL COMPANY requests permission to lay a dry fuel gas distribution system and a high pressure wet gas line (600-800 psi) from the compressor on the Castle Peak Federal #22-15 location to the proposed Monument Butte Gas Plant (located on federal lease U-020252A).

The dry fuel gas lines will be 2" polyethylene pipe and will connect all wells within federal lease U-017985 as shown on the attached topo map. These dry gas lines will allow DIAMOND CHEMICAL to sharply reduce the amount of downtime caused by the condensation of liquids in existing fuel gas lines.

The wet gas line will be 3" welded steel pipe and will allow for the casinghead gas now being produced on federal leases U-017985 & U-096550 and state lease ML-16532 to be processed at the Monument Butte Gas Plant and sold to Mountain Fuel Supply Co. Approximate gas conservation is estimated at 300+ MCF/day.

These lines will be laid in parallel, follow lease & access roads where practical, be cased & buried at road crossings, and will not create a surface disturbance.
Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

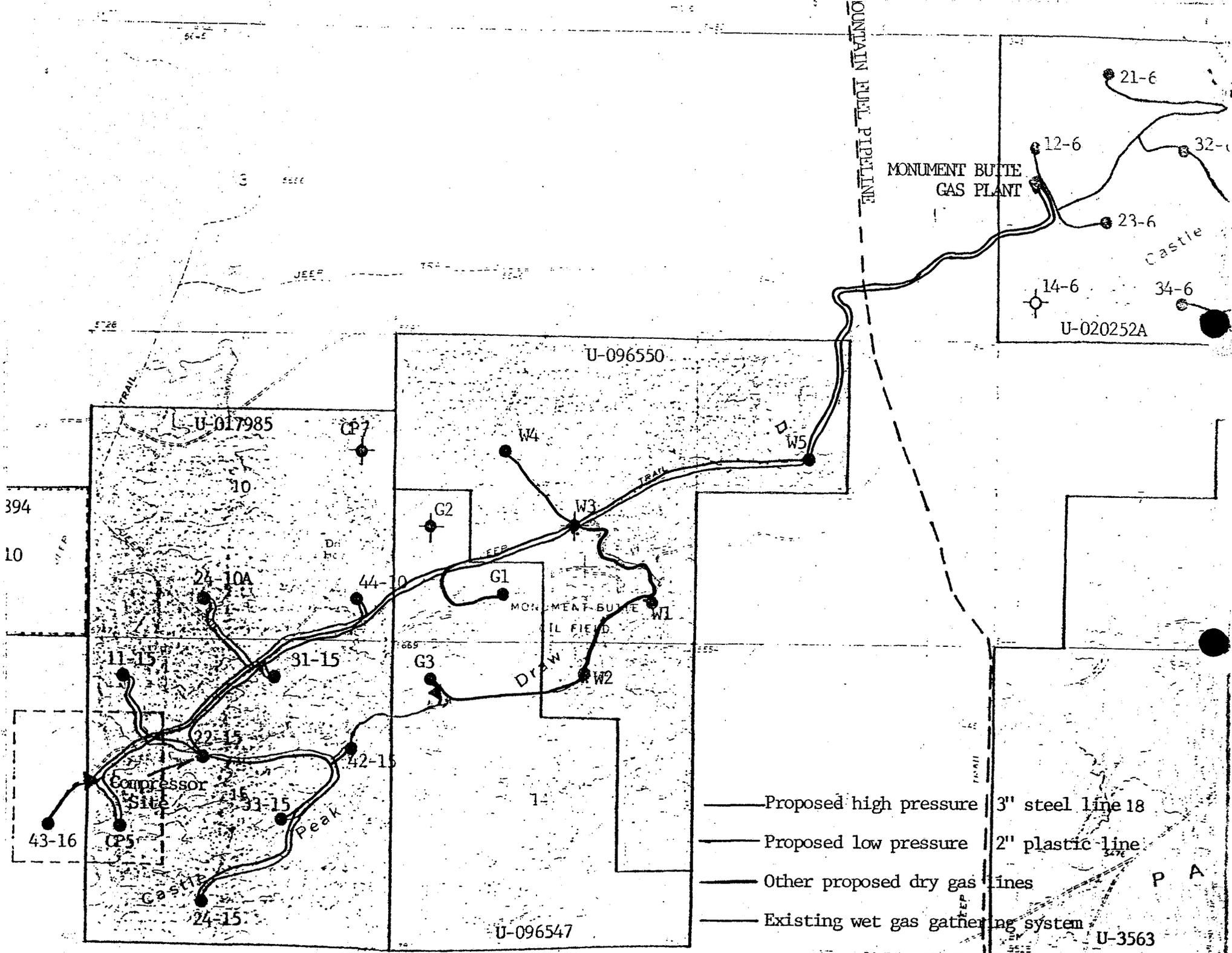
SIGNED Jeff H. Ronk TITLE Production Engineer DATE 9-12-83

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 10/18/83
BY: [Signature]

*See Instructions on Reverse Side



- Proposed high pressure 3" steel line 18
- Proposed low pressure 2" plastic line
- - - Other proposed dry gas lines
- ... Existing wet gas gathering system

MONUMENT BUTTE
GAS PLANT

MONUMENT BUTTE
OIL FIELD

Compressor
Site

Castle

P A

MOUNTAIN HILL PIPELINE

U-017985

U-096550

U-096547

U-020252A

U-3563

394
10

54-E

3

5-26

JEEP

750

TRAIL

TRAIL

JEEP

DRAW

TRAIL

JEEP

55-E

74

685

685

55-E

Maxus Energy Corporation
LTV Center
2001 Ross Avenue
Dallas, Texas 75201
214 979-2800

RECEIVED
JUN 05 1987

060810

DIVISION OF
OIL, GAS & MINING

June 2, 1987

MAXUS

Utah Division of Oil, Gas & Mining
Attn: Norm Stout
355 W. North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Dear Mr. Stout,

Regarding your request for information concerning the change of name of our company from Diamond Shamrock Exploration, to Maxus Exploration Company:

1. New replacement bond is being taken care of by Sherry Neally (214) 953-2858, and will be mailed to you shortly by Judy Tate (806) 378-3876.
2. Contact names will remain the same - Kaleb Leake (307) 266-1882, Maxus Exploration Company, P.O. Box 2530, Mills, WY 82644, for drilling and permitting; Pat Cote (214) 979-2822, at the letterhead address, for production and disposition reporting.
3. I am enclosing a copy of our most recent production report. This is a complete list of all wells to be affected by the name change.
4. The name change is effective 4-28-87. All name change notices are being handled by Dick Smith in our Legal Department (214) 953-2979. He assures us that the notices will be sent out in a few days.
5. There are no changes in the division of interest on any of the attached wells, therefore all entity numbers will remain the same.

Thank you for your patience in this matter, and please contact me if there is any other information needed.

Sincerely,

Pat Cote

Pat Cote
Production Clerk, Oil Revenue
Maxus Exploration
(214) 979-2822



UTAH
NATURAL RESOURCES
Oil, Gas & Mining

355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Ut
84180-1203. (801-538-5340)

MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

• DIAMOND SHAMROCK EXPL.
2001 ROSS AVE #1500
DALLAS TX 75201
ATTN: PAT COTE

RECEIVED
JUN 05 1987

DIVISION OF
OIL, GAS & MINING

Utah Account No. NO340

Report Period (Month/Year) 4 / 87

Amended Report

Well Name	Producing Zone	Days Oper	Production Volume		
API Number Entity Location			Oil (BBL)	Gas (MSCF)	Water (BBL)
X ALLEN FEDERAL 21-5 4301330612 01140 09S 17E 5	GRRV	30	235	906	-0-
X CASTLE PK FED #11-15 4301330664 01145 09S 16E 15	GRRV	-0-	-0-	-0-	-0-
X CASTLE PK FED. 22-15 4301330634 01150 09S 16E 15	GRRV	30	355	2088	-0-
X CASTLE PK FED 24-15 4301330631 01160 09S 16E 15	GRRV	30	102	199	-0-
X CASTLE PK FED 31-15 4301330613 01165 09S 16E 15	GRRV	28	171	456	5
X CASTLE PK FED 33-15 4301330632 01170 09S 16E 15	GRRV	30	102	191	15
X CASTLE PK FED 42-15 4301330633 01175 09S 16E 15	GRRV	24	125	363	10
X CASTLE PK FED 44-10 4301330630 01180 09S 16E 10	GRRV	30	109	169	-0-
X CASTLE PK ST 43-16 4301330594 01181 09S 16E 16	GRRV	10	160	997	210
X CASTLE PEAK 5 4301315784 01185 09S 16E 15	GRRV	-0-	-0-	-0-	-0-
X PAIUTE FED 34-8 4301330778 01200 09S 17E 8	GRRV	30	123	314	-0-
X MOCON FED 44-7 4301330666 01205 09S 17E 7	GRRV	30	148	237	-0-
X PAIUTE FED 11-17 4301330516 01210 09S 17E 17	GRRV	30	382	1126	15
TOTAL			2012	7046	255

Comments (attach separate sheet if necessary) _____

I have reviewed this report and certify the information to be accurate and complete.

Date 6-2-87

Pat Cote
Authorized signature

Telephone (214) 979-2822

COMPANY: MAXUS EXPLORATION CO UT ACCOUNT # _____ SUSPENSE DATE: 6-10-87

(FORMERLY DIAMOND SHAMROCK EXPLORATION CO)

TELEPHONE CONTACT DOCUMENTATION

CONTACT NAME: PAT COTE (PAT PRONOUNCES HER NAME "COATEE")

CONTACT TELEPHONE NO.: (214) 777-2822

SUBJECT: OPERATOR CHANGE - DIAMOND SHAMROCK EXPLORATION CO TO MAXUS EXPL CO

(Use attachments if necessary)

RESULTS: PAT SAID SHE WOULD PROVIDE: LTR OF EXPLANATION FOR 1) EFFECTIVE DATE,
2) BONDING, 3) ENTITY REVIEW, 4) WELLS IN QUESTION, 5) ADDRESS & TEL
FOR BOTH DRILLING AND PRODUCTION CONTACT PEOPLE,

SHE WILL USE ~~GOPT~~ A SUPPLEMENTED COPY OF TAD TO IDENTIFY ALL
WELLS, INCLUDING DRILLING AND INJECTION

(Use attachments if necessary)

CONTACTED BY: *[Signature]*

DATE: 6-2-87



BALCRON OIL

A Division of
Equitable Resources Energy Company

P.O. Box 21017
1601 Lewis Avenue Building
Billings, Montana 59104
(406) 259-7860

RECEIVED

OCT 09 1991

DIVISION OF
OIL GAS & MINING

October 8, 1991

-- VIA FEDERAL EXPRESS --

Lisha Romero
State of Utah
Division of Oil, Gas & Mining
355 West North Temple
Salt Lake City, UT 84180

Dear Lisha:

Enclosed are sundry notices for Change of Operator for the wells on the enclosed list. These wells are currently operated by Maxus Exploration Company and are being transferred to:

Balcron Oil
P.O. Box 21017
Billings, MT 59104

The transfer is effective November 1, 1991.

If there is any other information you need or if you have any questions, please give me a call.

Sincerely,

Bobbie Schuman

Bobbie Schuman
Coordinator of Operations,
Environmental, and Regulatory Affairs

/rs

Enclosures

cc: James M. Pachulski, Maxus Exploration Company

*Thanks for all
your help, Lisha.*

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION & SERIAL NO.

SEE ATTACHED LIST

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT

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

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
EQUITABLE RESOURCES ENERGY COMPANY

3. ADDRESS OF OPERATOR
P.O. Box 21017; Billings, MT 59104 (406)259-7860

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface

At proposed prod. zone SEE ATTACHED LIST

14. API NO.

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

12. COUNTY

13. STATE

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	Change of Operator <input checked="" type="checkbox"/>

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

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

APPROX. DATE WORK WILL START _____

DATE OF COMPLETION _____

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

* Must be accompanied by a cement verification report.

Effective November 1, 1991, the operator of this well will change from Maxus Exploration Company

TO: EQUITABLE RESOURCES ENERGY COMPANY
P.O. Box 21017
Billings, MT 59104

Effective November 1, 1991, Equitable Resources Energy Company is responsible under the terms and conditions of the lease for operations conducted on the leased lands or a portion thereof under Bureau of Land Management Bond #5547188 issued by Safeco Insurance Co.

RECEIVED

OCT 09 1991

DIVISION OF
OIL GAS & MINING

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

SIGNED _____

TITLE Attorney-in-Fact

DATE October 8, 1991

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side

Maxus Exploration Com
P.O. Box 2530
Mills, Wyoming 82644
307 266-1882

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OCT 10 1991

DIVISION OF
OIL GAS & MINING

MAXUS

October 7, 1991

State of Utah
Division of Oil & Gas
3 Triad Center, Ste. 350
Salt Lake City, Utah 84180

Re: Operator Transfer of Maxus
Exploration Company Wells

Dear Sir:

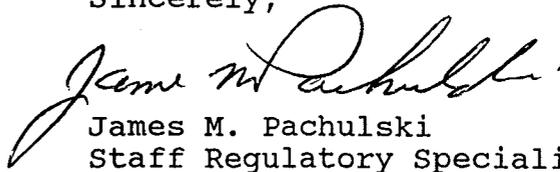
Attached is a list of wells within the State of Utah currently operated by Maxus Exploration Company. These wells are in the process of being transferred to a new operator:

Balcron Oil
P.O. Box 21017
Billings, Montana 59104
Attn: Bobbie Schuman
Coordinator of Environmental and Regulatory
Affairs (406) 259-7860

The transfer will become effective on November 1, 1991. Individual Sundry notices for each well will be forwarded to the BLM with a copy to the State of Utah by Balcron Oil in the near future. These Sundry Notices will include the bond number, effective date and a statement agreeing to be responsible under the terms and conditions of the lease.

Please contact the undersigned if there are any questions. Thank you.

Sincerely,


James M. Pachulski
Staff Regulatory Specialist

JMP:ka

cc: Balcron Oil

Maxus Energy Corporation
717 North Harwood Street
Dallas, Texas 75201
214 953-2000

11/1/91

MAXUS

TO: INTEREST OWNERS SALES OF WELLS

MAXUS HAS SOLD ALL THEIR NORTH DAKOTA, MONTANA, UTAH, AND WYOMING (EXCEPT ALPHA FIELD in WYOMING) EFFECTIVE 11/1/91.

TO: BALCON OIL & GAS CO
P. O. BOX 21017
BILLINGS, MT 59104 PRODUCTION DEPT / JENICE FUGERE

PH: 406/259-7860

IT IS MY UNDERSTANDING THAT MAXUS WILL OPERATE THESE WELLS UNTIL NOVEMBER 1, 1991, ~~BUT THAT IS SUBJECT TO CHANGE~~. I JUST WANTED TO GIVE YOU THEIR NAME AND ADDRESS.

Nancy Lawrence

Nancy Lawrence / 214/953-2177
Oil Accounting

RECEIVED

NOV 29 1991

DIVISION OF
OIL GAS & MINING



UTAH
NATURAL RESOURCES
Oil, Gas & Mining

355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Ut
84180-1203. • (801-538-5340)

MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

• ATTN NANCY LAWRENCE
MAXUS EXPLORATION COMPANY
717 N. HARWOOD, STE 2900
DALLAS TX 75201-

Utah Account No. _____
N0865
Report Period (Month/Year) _____
12 / 91
Amended Report

Well Name API Number Entity Location	Producing Zone	Days Oper	Production Volume		
			Oil (BBL)	Gas (MSCF)	Water (BBL)
ALLEN FEDERAL 12-6					
✓ 4301330582 01135 09S 17E 6	GRRV				
ALLEN FEDERAL 21-5					
✓ 4301330612 01140 09S 17E 5	GRRV				
CASTLE PK FED. 22-15					
✓ 4301330634 01150 09S 16E 15	GRRV				
CASTLE PK FED 24-15					
✓ 4301330631 01160 09S 16E 15	GRRV				
CASTLE PK FED 31-15					
✓ 4301330613 01165 09S 16E 15	GRRV				
CASTLE PK FED 33-15					
✓ 4301330632 01170 09S 16E 15	GRRV				
CASTLE PK FED 42-15					
✓ 4301330633 01175 09S 16E 15	GRRV				
CASTLE PK FED 44-10					
✓ 4301330630 01180 09S 16E 10	GRRV				
CASTLE PK ST 43-16					
4301330594 01181 09S 16E 16	GRRV ✓		mL-16532 (Have Doc. fr. Mexus - Need doc. fr. Balcon)		
PAIUTE FED 34-8					
✓ 4301330778 01200 09S 17E 8	GRRV				
MOCON FED 44-7					
✓ 4301330666 01205 09S 17E 7	GRRV				
PAIUTE FED 11-17					
✓ 4301330516 01210 09S 17E 17	GRRV				
PAIUTE FED 14-4					
✓ 4301330671 01215 09S 17E 4	GRRV				
TOTAL					

Comments (attach separate sheet if necessary) _____

I have reviewed this report and certify the information to be accurate and complete. Date _____

Authorized signature _____ Telephone _____



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
VERNAL DISTRICT OFFICE
170 SOUTH 500 EAST
VERNAL, UTAH 84078
JAN 02 1992



IN REPLY REFER TO:

3162.3
UT08438

Equitable Resources Energy Company
Attn: Bobbie Schuman
P.O. Box 21017
Billings, Montana 59104

Re: ⁴³⁻⁰¹³⁻³⁰⁶³¹ Well No. Castle Peak Federal 24-15
SESE, Sec. 15, T9S, R16E
Lease U-017985
Duchesne County, Utah

Dear Ms. Schuman:

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, Equitable Resources Energy Company is responsible for all operations performed on the referenced well. All liability will now fall under your bond, BLM Bond No. MT0576, for all operations conducted on the referenced well on the leased land.

If you have any other questions concerning this matter, please contact Ed Forsman of this office at (801) 789-1362.

Sincerely,

Howard B. Cleavinger II
Assistant District Manager for Minerals

cc: Maxus Exploration Company

RECEIVED

JAN 06 1992

DIVISION OF
OIL, GAS & MINING

1- LCR
2- DTS
3- VLC
4- RJF
5- RWM
6- ADA 7- LCR

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

Change of Operator (well sold) Designation of Agent
 Designation of Operator Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 11-1-91)

TO (new operator) <u>BALCRON OIL</u>	FROM (former operator) <u>MAXUS EXPLORATION COMPANY</u>
(address) <u>P. O. BOX 21017</u>	(address) <u>717 N. HARWOOD, STE 2900</u>
<u>1601 LEWIS AVENUE BUILDING</u>	<u>DALLAS, TX 75201</u>
<u>BILLINGS, MT 59104</u>	<u>JAMES PACHULSKI (WYO)</u>
phone <u>(406) 259-7860</u>	phone <u>(307) 266-1882</u>
account no. <u>N9890 (12-5-91)</u>	account no. <u>N 0865</u>

Well(s) (attach additional page if needed):

Name: <u>**SEE ATTACHED**</u>	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 10-10-91)*
2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Rec'd 10-9-91)*
3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) If yes, show company file number: dba 097441. *(Owned by Equitable Resources Energy Company # 134640)*
4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(1-10-92)*
6. Cardex file has been updated for each well listed above. *(1-13-92)*
7. Well file labels have been updated for each well listed above. *(1-13-92)*
8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(1-10-92)*
9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) ____ (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- 2. A copy of this form has been placed in the new and former operators' bond files.
- 3. The former operator has requested a release of liability from their bond (yes/no) ____ . Today's date _____ 19____. If yes, division response was made by letter dated _____ 19____.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated _____ 19____, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- 2. Copies of documents have been sent to State Lands for changes involving State leases.

INDEXING

- 1. All attachments to this form have been microfilmed. Date: _____ 19____.

INDEXING

- 1. Copies of all attachments to this form have been filed in each well file.
- 2. The original of this form and the original attachments have been filed in the Operator Change file.

REMARKS

911007 Btm/Vernal "No documentation as of yet."

911025 Btm/Vernal "Have documentation - not approved as of yet." Will notify DiGem when approved.

911125 Btm/Vernal " "

911231 Btm/Vernal " "

920110 Balcon/Bobby Schuman Reg. Transfer of Authority to Inject "Parlette Bench Unit #4" and 1/34-35 Sundry for operator change "Castlepeak St. 43-16"



MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

• DAWN SCHINDLER
BALCRON OIL
PO BOX 21017
BILLINGS MT 59104

Utah Account No. N9890

Report Period (Month/Year) 1 / 93

Amended Report

Well Name			Producing Zone	Days Oper	Production Volume		
API Number	Entity	Location			Oil (BBL)	Gas (MSCF)	Water (BBL)
4301330612	01140	09S 17E 5	GRRV				
4301330634	01150	09S 16E 15	GRRV				
4301330631	01160	09S 16E 15	GRRV				
4301330613	01165	09S 16E 15	GRRV				
4301330632	01170	09S 16E 15	GRRV				
4301330633	01175	09S 16E 15	GRRV				
4301330630	01180	09S 16E 10	GRRV				
4301330594	01181	09S 16E 16	GRRV				
4301330778	01200	09S 17E 8	GRRV				
4301330666	01205	09S 17E 7	GRRV				
4301330516	01210	09S 17E 17	GRRV				
4301330671	01215	09S 17E 4	GRRV				
4301330675	01220	09S 17E 8	GRRV				
TOTAL							

Comments (attach separate sheet if necessary) _____

I have reviewed this report and certify the information to be accurate and complete. Date _____

Authorized signature _____ Telephone _____



EQUITABLE RESOURCES ENERGY COMPANY,
BALCRON OIL DIVISION

1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104
(406) 259-7860
FAX: (406) 245-1364

March 4, 1993

State of Utah
Uintah County
152 East 100 North
Vernal, UT 84078

Gentlemen:

Effective March 1, 1993, the name of our company has changed from Balcron Oil Company to Equitable Resources Energy Company, Balcron Oil Division.

Please make the necessary changes in your records and let me know if there is anything else we need to do in order to effect the change for the 1993 Uintah County Business License.

Sincerely,

Bobbie Schuman

Bobbie Schuman
Coordinator of Operations,
Environmental and Regulatory Affairs

/rs

RECEIVED

MAR 08 1993

DIVISION OF
OIL GAS & MINING

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1-LEC	7-011
2-DPS	58-LEC
3-VLC	✓
4-RJF	✓
5-RWM	✓
6-ADA	✓

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold) Designation of Agent
 Designation of Operator ~~XXX~~ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 3-1-93)

TO (new operator) <u>EQUITABLE RESOURCES ENERGY CO FROM</u> (former operator) <u>BALCRON OIL</u>	
(address) <u>BALCRON OIL DIVISION</u> (address) <u>PO BOX 21017</u>	
<u>PO BOX 21017</u>	<u>BILLINGS MT 59104</u>
<u>BILLINGS MT 59104</u>	
phone <u>(406) 259-7860</u>	phone <u>(406) 259-7860</u>
account no. <u>N 9890</u>	account no. <u>N9890</u>

Well(s) (attach additional page if needed):

Name: **ALL WELLS**	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- N/A 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
- Sec 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(filed 3-8-93)*
- Sec 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: 134640.
- * 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- Sec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(3-19-93)*
- Sec 6. Cardex file has been updated for each well listed above. *(3-19-93)*
- Sec 7. Well file labels have been updated for each well listed above. *(3-19-93)*
- Sec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(3-19-93)*
- Sec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only) *930319 Re'd bond rider eff. 3-4-93.

- 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond. #5578314/80,000 Belcon Oil, A Division of Equitable Resources Energy Company.
- 2. A copy of this form has been placed in the new and former operators' bond files. *Upon completion of routing.
- 3. The former operator has requested a release of liability from their bond (yes/no) . Today's date 19 . If yes, division response was made by letter dated 19 .

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 19 , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- 2. Copies of documents have been sent to State Lands for changes involving State leases. *see comments below*

FILMING

- 1. All attachments to this form have been microfilmed. Date: March 30 1993.

FILING

- 1. Copies of all attachments to this form have been filed in each well file.
- 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

930308 Btm 15.2. No change necessary, they always recognized company name as "Equitable Resources Energy Company, Belcon Oil Division".

RECEIVED

SEP 20 1993

OPERATOR Balceron Oil
ADDRESS P.O. Box 21017
Billings MT 59104

OPERATOR ACCT. NO. H 9890

DIVISION OF

OIL, GAS & MINING

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION				COUNTY	SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG			
D	01180	11492	4301330630	Castle Peak 44-10	SE SE	10	9S	16E	Duchesne		7/1/93
WELL 1 COMMENTS: Jonah Unit											
D	01150	11492	4301330634	CP 22-15	SE NW	15	9S	16E	Duchesne		7/1/93
WELL 2 COMMENTS:											
D	01160	11492	4301330631	CP 24-15	SE SW	15	9S	16E	Duchesne		7/1/93
WELL 3 COMMENTS:											
D	01165	11492	4301330613	CP 31-15	NW NE	15	9S	16E	Duchesne		7/1/93
WELL 4 COMMENTS:											
D	01170	11492	4301330632	CP 33-15	NW SE	15	9S	16E	Duchesne		7/1/93
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.

Dawn Schindler
Signature
Prod. Acct 9-15-93
Title Date
Phone No. (406) 259-7860

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
 355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

BALCRON OIL DIVISION
 EQUITABLE RESOURCES ENERGY
 1601 LEWIS AVE
 BILLINGS MT 59102-4126

UTAH ACCOUNT NUMBER: N9890

REPORT PERIOD (MONTH/YEAR): 3 / 96

AMENDED REPORT (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
✓	CASTLE PK FED 44-10							
4301330630	11492 09S 16E 10		GRRV					
✓	CASTLE PK FED 24-15							
4301330631	11492 09S 16E 15		GRRV					
✓	CASTLE PK FED 33-15							
4301330632	11492 09S 16E 15		GRRV					
✓	CASTLE PK FED 42-15							
4301330633	11492 09S 16E 15		GRRV					
✓	CASTLE PK FED. 22-15							
4301330634	11492 09S 16E 15		GRRV					
✓	MONUMENT BUTTE 1-23							
401330646	11492 09S 16E 1		GRRV					
✓	MONUMENT BUTTE 1-14							
4301330703	11492 09S 16E 1		GRRV					
✓	MONUMENT BUTTE 1-43							
4301330734	11492 09S 16E 1		GRRV					
✓	MONUMENT BUTTE 1-34							
4301330736	11492 09S 16E 1		GRRV					
✓	GETTY 12-1							
4301330889	11492 09S 16E 12		GRRV					
✓	GETTY 7A							
4301330926	11492 09S 17E 7		GRRV					
✓	GETTY 7C							
4301330961	11492 09S 17E 7		GRRV					
✓	MONUMENT FEDERAL 23-5J							
4301331383	11492 09S 17E 5		GRRV					
TOTALS								

COMMENTS: _____

I hereby certify that this report is true and complete to the best of my knowledge. Date: _____

Name and Signature: _____ Telephone Number: _____



**EQUITABLE RESOURCES
ENERGY COMPANY**

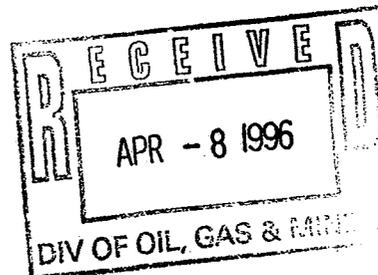
BALCRON OIL DIVISION

1601 Lewis Avenue
Billings, MT 59102

Office: (406) 259-7860
FAX: (406) 245-1365
FAX: (406) 245-1361

March 22, 1996

Utah Division of Oil, Gas and Mining
355 West North Temple
Salt Lake City, UT 84180



Gentlemen:

Effective April 1, 1996, our name will change from Equitable Resources Energy Company, Balcron Oil Division to Equitable Resources Energy Company. Attached is a sundry notice reflecting that change. To simplify paperwork, I have done one sundry notice with copies for each of the wells. To this letter I have attached a list of our wells for your ease in filing the sundry notices in the well files. This should be sufficient for your purposes.

I have the listings on a spreadsheet so if it would be easier for you to have them sorted differently (for example, the Montana Board of Oil and Gas prefers them sorted by API number), please give me a call at (406) 259-7860, extension 240 and I would be glad to provide a list to your specifications.

This change affects only our company name. The physical locations of our offices and the personnel remain the same. We will be changing our well signs and ask for your patience and cooperation as this will be done as soon as possible but may take some time since we do have so many properties at which to make the change.

If you have any questions, please do not hesitate to give me a call.

Sincerely,

Bobbie Schuman
Bobbie Schuman
Regulatory and
Environmental Specialist

/hs

Enclosures

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.

5. Lease Designation and Serial Number:
See attached listing

6. If Indian, Allottee or Tribe Name:
n/a

7. Unit Agreement Name:
See attached listing

8. Well Name and Number:
See attached listing

9. API Well Number:
See attached listing

10. Field and Pool, or Wildcat:
See attached listing

1. Type of Well: OIL GAS OTHER: See attached listing

2. Name of Operator:
Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone Number:
1601 Lewis Avenue Avenue; Billings, MT 59102 (406) 259-7860

4. Location of Well
Footages: See attached listing

County: See attached list
State: UTAH

QQ, Sec., T., R., M.:

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 <u>Operator name change</u> | |

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.)

Effective April 1, 1996, operator will change its name from Equitable Resources Energy Company, Balcron Oil Division TO: Equitable Resources Energy Company. Physical location of the operator remains as: 1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860, FAX: (406) 145-1361. This is to report the operator name change only. It affects the wells on the attached listing.

APR - 8 1996

13. Name & Signature: Bobbie Schuman
Bobbie Schuman

Title: Regulatory and Environmental Specialist Date: March 27, 1996

(This space for State use only)

UTAH

Boll Weevil Federal #26-13	Undesignated	NW SW	26	8S	16E	Duchesne	UT	OTA	Green River	U-34346	43-013-30770	1980' FSL, 660' FWL	Vernal	
C&O Gov't #1	Monument Butte	NW SW	12	9S	16E	Duchesne	UT	Oil	Green River	U-035521-A	43-013-15111	1905' FSL, 660' FWL	Vernal	Jonah
C&O Gov't #2	Monument Butte	NW SE	12	9S	16E	Duchesne	UT	Oil	Green River	U-035521-A	43-013-15112	1980' FSL, 2080' FEL	Vernal	Jonah
C&O Gov't #4	Monument Butte	NE SW	12	9S	16E	Duchesne	UT	WIW	Green River	U-035521-A	43-013-30742	2140' FSL, 1820' FWL	Vernal	Jonah
Castle Peak Federal #22-15	Monument Butte	SE NW	15	9S	16E	Duchesne	UT	Oil	Green River	U-017985	43-013-30634	2125' FNL, 2006' FWL	Vernal	Jonah
Castle Peak Federal #24-10A	Monument Butte	SE SW	10	9S	16E	Duchesne	UT	Oil	Green River	U-017985	43-013-30555	660' FSL, 1980' FWL	Vernal	
Castle Peak Federal #24-15	Monument Butte	SE SE	15	9S	16E	Duchesne	UT	Oil	Green River	U-017985	43-013-30631	720' FSL, 2050' FWL	Vernal	Jonah
Castle Peak Federal #31-15	Monument Butte	NW NE	15	9S	16E	Duchesne	UT	Oil	Green River	U-017985	43-013-30613	548' FNL, 2062' FEL	Vernal	Jonah
Castle Peak Federal #33-15	Monument Butte	NW SE	15	9S	16E	Duchesne	UT	Oil	Green River	U-017985	43-013-30632	2341' FSL, 1790' FEL	Vernal	Jonah
Castle Peak Federal #42-15	Monument Butte	SE NE	15	9S	16E	Duchesne	UT	Oil	Green River	U-017985	43-013-30633	1820' FNL, 820' FEL	Vernal	Jonah
Castle Peak Federal #44-10	Monument Butte	SE SE	10	9S	16E	Duchesne	UT	Oil	Green River	U-017985	43-013-30630	557' FSL, 667' FEL	Vernal	Jonah
Castle Peak State #43-16	Monument Butte	NE SE	16	9S	16E	Duchesne	UT	Oil	Green River	U-017985	43-013-30594	1820' FSL, 820' FEL	Vernal	Castle Peak
Chorney Federal #1-9	Pariette Bench	SE SW	9	9S	19E	Uintah	UT	OSI	Green River	U-5843	43-047-30070	660' FSL, 1980' FWL	Vernal	
Cobra Federal #42-35	Wildcat	SE NE	35	15S	19W	Millard	UT	PND	Paleozoic	UTU-66504		1600' FNL, 660' FEL	Fillmore	
Coyote Basin #1-12	Coyote Basin	NE SE	12	8S	24E	Uintah	UT	Oil	Green River	U-58226	43-047-20221	1830' FSL, 1980' FWL	Vernal	Coyote Basin
Coyote Basin #32-6	Coyote Basin	SW NE	6	8S	25E	Uintah	UT	WTR	Green River	U-20309-D	43-047-31835	1900' FNL, 2200' FEL	Vernal	Coyote Basin
Coyote Basin Federal #12-13	Coyote Basin	SW NW	13	8S	24E	Uintah	UT	Oil	Green River	U-018073	43-047-31266	2098' FNL, 689' FWL	Vernal	Coyote Basin
Coyote Basin Federal #21-7	Coyote Basin	NE NW	7	8S	25E	Uintah	UT	Oil	Green River	U-41377	43-047-31673	591' FNL, 1858' FWL	Vernal	Coyote Basin
Coyote Basin Federal #43-12	Coyote Basin	NE SE	12	8S	24E	Uintah	UT	Oil	Green River	U-038797	43-047-30943	2140' FSL, 820' FEL	Vernal	Coyote Basin
D. Duncan State #16-5	Monument Butte	SW NW	16	9S	17E	Duchesne	UT	Oil	Green River	State ML-3453-B	43-013-30570	1922' FNL, 865' FWL		Beluga
DMD Federal #17-1	Monument Butte	NE SE	17	9S	17E	Duchesne	UT	Oil (SI)	Green River	U-44430	43-013-30689		Vernal	Beluga
East Red Wash Federal #1-12	Coyote Basin	SW NE	12	8S	24E	Uintah	UT	Oil	Green River	U-038797	43-047-20207	1980' FNL, 1980' FEL	Vernal	Coyote Basin
East Red Wash Federal #1-13	Coyote Basin	NE NW	13	8S	24E	Uintah	UT	Oil	Green River	U-018073	43-047-20222	660' FNL, 1980' FWL	Vernal	Coyote Basin
East Red Wash Federal #1-5	Coyote Basin	SE NW	5	8S	25E	Uintah	UT	Oil	Green River	U-063597-A	43-047-20174	1989' FNL, 2105' FWL	Vernal	Coyote Basin
East Red Wash Federal #1-6	Coyote Basin	SE NE	6	8S	25E	Uintah	UT	Oil	Green River	U-017439-B	43-047-20208	1980' FSL, 660' FEL	Vernal	Coyote Basin
East Red Wash Federal #2-5	Coyote Basin	NW NW	5	8S	25E	Uintah	UT	OTA	Green River	U-063597-A	43-047-20252	800' FNL, 525' FWL	Vernal	Coyote Basin
East Red Wash Federal #4-6	Coyote Basin	SW SE	6	8S	25E	Uintah	UT	WIW	Green River	U-20309-D	43-047-20261	660' FSL, 1980' FEL	Vernal	Coyote Basin
Federal #1-18	Monument Butte	NW NE	18	9S	17E	Duchesne	UT	OSI	Green River	U-3563	43-013-30332	636' FNL, 2186' FEL	Vernal	Beluga
Federal #1-26	Monument Butte	NE NW	26	8S	17E	Uintah	UT	Oil	Green River	UTU-67845	43-047-31953	461' FNL, 1880' FWL	Vernal	
Federal #13-13	Coyote Basin	NW SW	13	8S	24E	Uintah	UT	Oil	Green River	U-67208	43-047-32196	1976' FSL, 598' FWL	Vernal	Coyote Basin
Federal #14-4	Coyote Basin	SW SW	4	8S	25E	Uintah	UT	Oil	Green River	UTU-41376	43-047-15678	510' FSL, 660' FWL	Vernal	Coyote Basin
Federal #2-1	Monument Butte	NE NE	1	9S	16E	Duchesne	UT	Oil	Green River	U-33992	43-013-30603	784' FNL, 812' FEL	Vernal	Jonah
Federal #22-25	Monument Butte	SE NW	25	8S	17E	Uintah	UT	Oil	Green River	UTU-67845	43-047-32008	1667' FNL, 1773' FWL	Vernal	
Getty #12-1	Monument Butte	NW NE	12	9S	16E	Duchesne	UT	Oil	Green River	U-44426	43-013-30889	501' FNL, 2012' FEL	Vernal	Jonah
Getty #7-A	Monument Butte	NE NE	7	9S	17E	Duchesne	UT	Oil	Green River	U-44426	43-013-30926	761' FNL, 664' FEL	Vernal	Jonah

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1	LEB 7-SJ
2	DES 58-FILE
3	VLD (GIL)
4	RJE
5	IEC
6	FILM

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold) Designation of Agent
 Designation of Operator **KKX Operator Name Change Only**

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 4-1-96)

TO (new operator)	<u>EQUITABLE RESOURCES ENERGY COEROM</u> (former operator)	<u>EQUITABLE RESOURCES ENERGY CO</u>
(address)	<u>1601 LEWIS AVE</u>	(address) <u>BALCRON OIL DIVISION</u>
	<u>BILLINGS MT 59102-4126</u>	<u>1601 LEWIS AVE</u>
		<u>BILLINGS MT 59102-4126</u>
	phone (406) <u>259-7860</u>	phone (406) <u>259-7860</u>
	account no. <u>N9890</u>	account no. <u>N9890</u>

Well(s) (attach additional page if needed):

Name: **SEE ATTACHED**	API: <u>D13-30631</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- Yec 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *Rec'd 4-4-96 & 4-8-96*
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) _____ If yes, show company file number: _____.
- * 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- Yec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) ~~for each well listed above.~~ *(4-10-96)*
- Yec 6. Cardex file has been updated for each well listed above. *(4-11-96)*
- Yec 7. Well file labels have been updated for each well listed above. *(4-11-96)*
- Yec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(4-10-96)*
- Yec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only) # 5578314 (\$80,000) Scheer Ins. Co. (Bond Rider In Progress)

- Yes 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- 2. A copy of this form has been placed in the new and former operators' bond files.
- N/A 3. The former operator has requested a release of liability from their bond (yes/no) . Today's date 19 . If yes, division response was made by letter dated 19 .

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 19 , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested. 4/20/96
- DTS 2. Copies of documents have been sent to State Lands for changes involving State leases. Sent to Ed Bonner - Trust Lands

FILMING

- WSP 1. All attachments to this form have been microfilmed. Date: May 20 1996.

FILING

- 1. Copies of all attachments to this form have been filed in each well file.
- 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

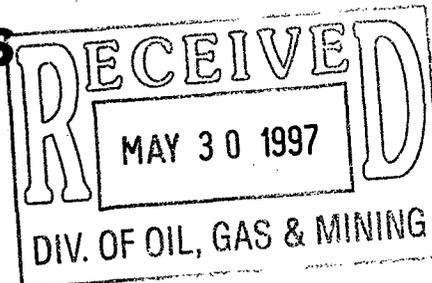
9/6/10 BLM/BIA "Formal approval not necessary"



EQUITABLE RESOURCES
ENERGY COMPANY

WESTERN REGION

1601 Lewis Avenue
Billings, MT 59102



Office: (406) 259-7860
FAX: (406) 245-1365
FAX: (406) 245-1361

May 27, 1997

Utah Board Of Oil, Gas, & Mining
1594 West North Temple
Suite-1220
Salt Lake City, Utah 84114

In accordance with your request please find enclosed the 1997 produced water analysis for the Uinta Basin waterflood and water disposal operations which are operated by Equitable Resources Energy Company. These water analysis are for wells that are re-injecting or disposing produced water back into the Green River Formation via the following facilities:

Jonah Secondary Recovery Unit
Beluga Secondary Recovery Unit
Coyote Basin Secondary Recovery Unit
Castle Draw (State Section-2) Pilot Waterflood
Pariette Bench Water Disposal Well #4

Equitable Resources Energy Company inadvertently failed to submit a copy of these water analysis when they were sent to the EPA and BLM. If there are any questions please contact me at our Billings, Montana office at 406-259-7860.

Respectfully,

John Zellitti
District Production Engineer

Water Analysis Report

Jonah Unit

Customer : EREC - Western Oil Company
Address : 1601 Lewis Avenue
City : Billings
State : MT **Postal Code :** 59104-

Field : Monument Butte Field
Lease : Castle Peak Lease
Location : Well No. 24-15
Sample Point : wellhead

Attention : John Zellitti
cc1 : Dan Farnsworth
cc2 : Joe Ivey
cc3 :

Date Sampled : 23-Jan-97
Date Received : 23-Jan-97
Date Reported : 08-Feb-97
Salesman : Lee Gardiner
Analyst : Karen Hawkins Allen

CATIONS

ANIONS

Calcium : 160 mg/l
Magnesium : 24 mg/l
Barium : 0 mg/l
Strontium : 0 mg/l
Iron : 1.0 mg/l
Sodium : 7391 mg/l

pH (field) : 7.40
Temperature : 85 degrees F
Ionic Strength : 0.33

Resistivity : ohm/meters
Ammonia : ppm

Comments :

Chloride: 11,400 mg/l
Carbonate: 0 mg/l
Bicarbonate: 464 mg/l
Sulfate: 108 mg/l

Specific Gravity : 1.015 grams/ml
Total Dissolved Solids : 19,548 ppm
CO2 in Water : 62 mg/l
CO2 in Gas : 0.03 mole %
H2S in Water : 0.0 mg/l
O2 in Water : 0.000 ppm

SI calculations based on Tomson-Oddo

Calcite (CaCO3) SI :	-0.87	Calcite PTB :	N/A
Gypsum (CaSO4) SI :	-2.36	Gypsum PTB :	N/A
Barite (BaSO4) SI :	N/A	Barite PTB :	N/A
Celestite (SrSO4) SI :	N/A	Celestite PTB :	N/A

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

C/O CRAZY MTN O&G SVS'S
 EQUITABLE RESOURCES ENERGY
 PO BOX 577
 LAUREL MT 59044

UTAH ACCOUNT NUMBER: N9890

REPORT PERIOD (MONTH/YEAR): 9 / 97

AMENDED REPORT (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
✓	ALLEN FEDERAL 23-6							
4301330558	11492 09S 17E 6	GRRV			U020252A	gpmh (62) unit		
✓	ALLEN FEDERAL 32-6							
4301330559	11492 09S 17E 6	GRRV			"			
✓	ALLEN FEDERAL 41-6							
4301330581	11492 09S 17E 6	GRRV			"			
✓	ALLEN FEDERAL 12-6							
4301330582	11492 09S 17E 6	GRRV			"			
✓	ALLEN FEDERAL 43-6							
4301330583	11492 09S 17E 6	GRRV			"			
✓	ALLEN FEDERAL 21-6							
4301330584	11492 09S 17E 6	GRRV			"			
✓	ALLEN FEDERAL 34-6							
4301330586	11492 09S 17E 6	GRRV			"			
✓	FEDERAL 2-1							
4301330603	11492 09S 16E 1	GRRV			U33992			
✓	ALLEN FEDERAL 12-5							
4301330611	11492 09S 17E 5	GRRV			U02052			
✓	ALLEN FEDERAL 21-5							
4301330612	11492 09S 17E 5	GRRV			"			
✓	CASTLE PK FED 31-15							
4301330613	11492 09S 16E 15	GRRV			U017985			
✓	CASTLE PK FED 44-10							
4301330630	11492 09S 16E 10	GRRV			U017895			
✓	CASTLE PK FED 24-15							
4301330631	11492 09S 16E 15	GRRV			"			
TOTALS								

COMMENTS: _____

I hereby certify that this report is true and complete to the best of my knowledge.

Date: _____

Name and Signature: _____

Telephone Number: _____

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.

5. Lease Designation and Serial Number:

See Attached

6. If Indian, Allottee or Tribe Name:

n/a

7. Unit Agreement Name:

See Attached

8. Well Name and Number:

See Attached

9. API Well Number:

See Attached

10. Field and Pool, or Wildcat:

See Attached

1. Type of Well: OIL GAS OTHER:

2. Name of Operator:

Inland Production Company

3. Address and Telephone Number:

475 - 17th Street, Suite 1500, Denver, CO 80202

4. Location of Well

Footages: See Attached Exhibit

QQ, Sec., T., R., M.:

County:

State:

RECEIVED
OCT 13 1997

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

NOTICE OF INTENT
(Submit in Duplicate)

- Abandon
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Multiple Completion
- Other Change of Operator
- New Construction
- Pull or Alter Casing
- Recomplete
- Reperforate
- Vent or Flare
- Water Shut-Off

Approximate date work will start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- Abandon
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Other Change of Operator
- New Construction
- Pull or Alter Casing
- Reperforate
- Vent or Flare
- Water Shut-Off

Date of work completion 9-30-97

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.)

Effective September 30, 1997, Inland Production Company will take over operations of the wells on the attached list. The previous operator was :

Equitable Resources Energy Company
1601 Lewis Avenue
Billings, MT 59102

Effective September 30, 1997, Inland Production Company is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under State of Utah Statewide Bond No. 4471291.

OCT 10 1997

13.

Name & Signature:

CHRIS A. POTTER, ATTORNEY-IN-FACT

Date:

9/30/97

This space for State use only)



**EQUITABLE RESOURCES
ENERGY COMPANY**

WESTERN REGION

(406) 259-7860 Telephone

(406) 245-1361 Fax

December 10, 1997

Lisha
State of Utah
Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, UT 84114-5801

Dear Lisha:

RE: Equitable Sale of Utah Properties

Effective September 30, 1997, Equitable Resources Energy Company sold all of its Utah properties to Inland Production Company.

Please feel free to contact me if you require additional information.

Sincerely,

Molly Conrad
Agent for Equitable Resources
Energy Company

/mc



Crazy Mountain Oil & Gas Services
P.O. Box 577
Laurel, MT 59044
(406) 628-4164
(406) 628-4165

TO: *Lisha*
St of Utah.

FROM. Molly Conrad
Crazy Mountain Oil & Gas Services
(406) 628-4164

Pages Attached - Including Cover Sheet *2.*

NOTE: *Here is the letter you requested.
Call if you need anything
further.*

INLAND

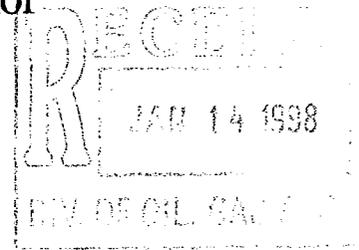
Inland Resources Change of Operator							
WELL NAME	LOCATION	COUNTY	ST	FIELD NAME	API NUMBER	LEASE NO.	AGEEMENT
✓ BALCRON FEDERAL #24-3Y	SESW 3 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31397-00	UTU75037	
✓ BALCRON FEDERAL #44-4Y	SESE 4 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31452-00	UTU65967	
✓ BALCRON FEDERAL #14-3Y	SW SW 3 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31535-00	UTU75037	
✓ MONUMENT FEDERAL #11-11Y	NW NW 119S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31593-00	UTU65210	
✓ MONUMENT FEDERAL #31-5-9-17	NW NE 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31680-00	UTU74808	
ALLEN FEDERAL #1	SESE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15779-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #12-5	SWNW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30611-00	UTU020252	UTU72086A
✓ ALLEN FEDERAL #12-6	SWNW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30582-00	UTU020252A	UTU72086A
ALLEN FEDERAL #13-6	NWSW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30918-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #21-5	NENW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30612-00	UTU020252	UTU72086A
✓ ALLEN FEDERAL #21-6	LOT3 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30584-00	UTU020252A	UTU72086A
ALLEN FEDERAL #22-6	SENW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30919-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #23-6	NESW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30558-00	UTU020252A	UTU72086A
ALLEN FEDERAL #31-6	LOT2 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31195-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #32-6	SWNE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30559-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #34-6	SWSE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30586-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #41-6	NENE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30581-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #43-6	NESE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30583-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL A #1	NWNW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15780-00	UTU020252	UTU72086A
✓ C&O GOV'T #1	NWSW 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15111-00	UTU035521A	UTU72086A
✓ C&O GOV'T #2	NWSE 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15112-00	UTU035521	UTU72086A
C&O GOV'T #4	NESW 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30742-00	UTU035521A	UTU72086A
✓ CASTLE PEAK FEDERAL #22-15	SENW 159S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30634-00	UTU017985	UTU72086A
✓ CASTLE PEAK FEDERAL #24-15	SESW 159S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30631-00	UTU017985	UTU72086A
✓ CASTLE PEAK FEDERAL #31-15	NWNE 159S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30613-00	UTU017985	UTU72086A
✓ CASTLE PEAK FEDERAL #33-15	NWSE 159S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30632-00	UTU017985	UTU72086A
✓ CASTLE PEAK FEDERAL #44-10	SESE 109S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30630-00	UTU017985	UTU72086A
✓ CASTLE PEAK FEDERAL #42-15	SENE 159S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30633-00	UTU017985	UTU72086A
✓ FEDERAL #2-1	NENE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30603-00	UTU33992	UTU72086A
✓ GETTY #12-1	NWNE 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30889-00	UTU44426	UTU72086A
✓ GETTY #7-A	NENE 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30926-00	UTU44426	UTU72086A
✓ GETTY #7-C	NENW 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30961-00	UTU44426	UTU72086A
✓ GOATES FEDERAL #1	SESW 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15789-00	UTU096547	UTU72086A
✓ GOATES FEDERAL #3	NWNW 149S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15791-00	UTU096547	UTU72086A
✓ MONUMENT BUTTE #1-14	SWSW 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30703-00	UTU18399	UTU72086A
✓ MONUMENT BUTTE #1-23	NESW 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30646-00	UTU18399	UTU72086A
✓ MONUMENT BUTTE #1-24	SESW 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30701-00	UTU18399	UTU72086A
✓ MONUMENT BUTTE #1-34	SWSE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30736-00	UTU52013	UTU72086A
✓ MONUMENT BUTTE #1-43	NESE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30734-00	UTU52013	UTU72086A



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

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



IN REPLY REFER TO
UT-931

January 13, 1998

Inland Production Company
475 17th Street, Suite 1500
Denver, Colorado 80202

Re: Jonah (Green River) Unit
Duchesne County, Utah

Gentlemen:

On January 13, 1998, we received an indenture dated November 17, 1997, whereby Equitable Resources Energy Company resigned as Unit Operator and Inland Production Company was designated as Successor Unit Operator for the Jonah (Green River) Unit, Duchesne County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective January 13, 1998. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under Jonah (Green River) Unit Agreement.

Your statewide (Utah) oil and gas bond No. 0056 will be used to cover all operations within the Jonah (Green River) Unit.

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

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

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

U-931:TAThompson:tt:1/13/98

WELL STATUS REPORTS
UTAH STATE OFFICE

INSPECTION ITEM	API NO.	WELL NUMBER	QTQT	SEC	TWN	RNG	WELL STATUS	LEASE NAME	OPERATOR
** INSPECTION ITEM UTU72086A JONAH (GR) SECONDARY RECOVERY UNIT									
UTU72086A	430131511100S1	1	NWSW	12	9S	16E	POW	UTU035521A	EQUITABLE RESOURCES ENER
UTU72086A	430131578000S1	1	NWNW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENER
UTU72086A	430131577900S1	1	SESE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENER
UTU72086A	430131578900S1	1	SESW	11	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENER
UTU72086A	430131579200S1	1	SESE	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENER
UTU72086A	430133070200S1	1-13	NWSW	1	9S	16E	WIW	UTU18399	EQUITABLE RESOURCES ENER
UTU72086A	430133070300S1	1-14	SWSW	1	9S	16E	POW	UTU18399	EQUITABLE RESOURCES ENER
UTU72086A	430133064600S1	1-23	NESW	1	9S	16E	POW	UTU18399	EQUITABLE RESOURCES ENER
UTU72086A	430133070100S1	1-24	SESW	1	9S	16E	WIW	UTU18399	EQUITABLE RESOURCES ENER
UTU72086A	430133073500S1	1-33	NWSE	1	9S	16E	WIW	UTU52013	EQUITABLE RESOURCES ENER
UTU72086A	430133073600S1	1-34	SWSE	1	9S	16E	POW	UTU52013	EQUITABLE RESOURCES ENER
UTU72086A	430133073400S1	1-43	NESE	1	9S	16E	POW	UTU52013	EQUITABLE RESOURCES ENER
UTU72086A	430133136200S1	11-6	L4	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENER
UTU72086A	430133149200S1	11-7J	NWNW	7	9S	17E	WIW	UTU44426	EQUITABLE RESOURCES ENER
UTU72086A	430133088900S1	12-1	NWNE	12	9S	16E	POW	UTU44426	EQUITABLE RESOURCES ENER
UTU72086A	430133141700S1	12-11J	SWNW	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENER
UTU72086A	430133141000S1	12-12J	SWNW	12	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENER
UTU72086A	430133061100S1	12-5	SWNW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENER
UTU72086A	430133058200S1	12-6	SWNW	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENER
UTU72086A	430133149300S1	12-7J	SWNW	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENER
UTU72086A	430131579000S1	13-11J	NWSW	11	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENER
UTU72086A	430133137000S1	13-5	NWSW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENER
UTU72086A	430133091800S1	13-6	NWSW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENER
UTU72086A	430133137400S1	14-11	SWSW	11	9S	16E	WIW	UTU096547	EQUITABLE RESOURCES ENER
UTU72086A	430133141100S1	14-12J	SWSW	12	9S	16E	WIW	UTU035521A	EQUITABLE RESOURCES ENER
UTU72086A	430133138500S1	14-5	SWSW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENER
UTU72086A	430131511200S1	2	NWSE	12	9S	16E	POW	UTU035521	EQUITABLE RESOURCES ENER
UTU72086A	430131579300S1	2	NWNE	14	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENER
UTU72086A	430133060300S1	2-1	L1	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENER
UTU72086A	430133140600X1	21-12J	NENW	12	9S	16E	ABD	UTU096550	EQUITABLE RESOURCES ENER
UTU72086A	430133142100S1	21-14J	NENW	14	9S	16E	WIW	UTU096547	EQUITABLE RESOURCES ENER
UTU72086A	430133142200X1	21-15J	NENW	15	9S	16E	ABD	UTU017985	EQUITABLE RESOURCES ENER
UTU72086A	430133061200S1	21-5	NENW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENER
UTU72086A	430133058400S1	21-6	L3	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENER
UTU72086A	430131579600S2	22-12J	SESW	12	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENER
UTU72086A	430133063400S1	22-15	SESW	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENER
UTU72086A	430133138400S1	22-5	SESW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENER
UTU72086A	430133091900S1	22-6	SESW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENER
UTU72086A	430133136900S1	23-11	NESW	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENER
UTU72086A	430133137300S1	23-15	NESW	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENER
UTU72086A	430133138300S1	23-5	NESW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENER
UTU72086A	430133055800S1	23-6	NESW	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENER
UTU72086A	430133140900S1	24-12J	SESW	12	9S	16E	POW	UTU035521A	EQUITABLE RESOURCES ENER
UTU72086A	430133063100S1	24-15	SESW	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENER
UTU72086A	430133137500S1	24-5	SESW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENER
UTU72086A	430133136300S1	24-6	SESW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENER
UTU72086A	430131579100S1	3	NWNW	14	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENER
UTU72086A	430133061300S1	31-15	NWNE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENER

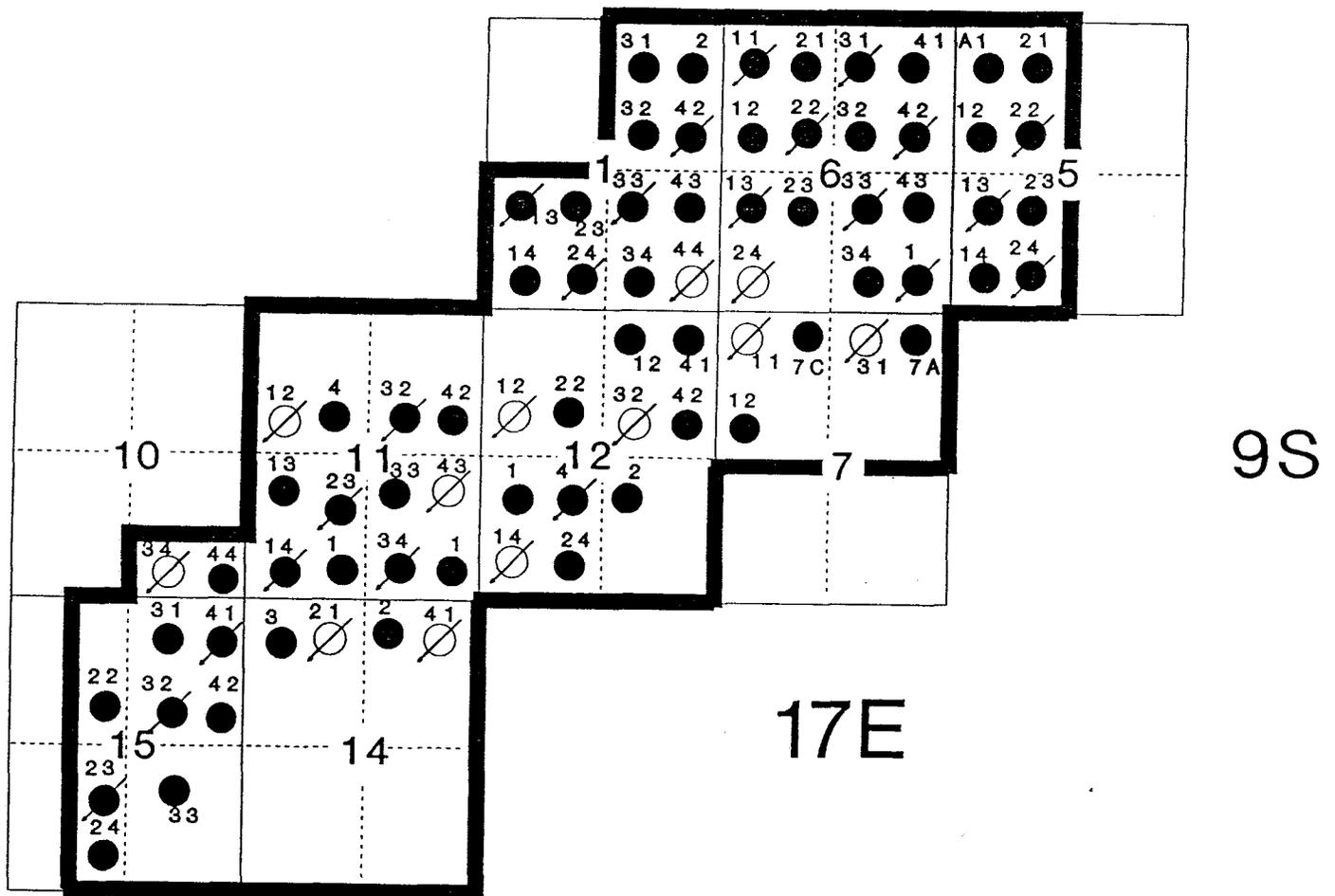
WELL STATUS REPORTS
UTAH STATE OFFICE

INSPECTION ITEM	API NO.	WELL NUMBER	QTQT	SEC	TWN	RNG	WELL STATUS	LEASE NAME	OPERATOR
UTU72086A	430133141300S1	31-1J	L2	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENERG
UTU72086A	430133119500S1	31-6	L2	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133140500S1	31-7J	NWNE	7	9S	17E	WIW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133138600S1	32-11	SWNE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133141900S1	32-12J	SWNE	12	9S	16E	WIW	UTU035521	EQUITABLE RESOURCES ENERG
UTU72086A	430133136800S1	32-15	SWNE	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133141400S1	32-1J	SWNE	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENERG
UTU72086A	430133055900S1	32-6	SWNE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133145100S1	33-11J	NWSE	11	9S	16E	OSI	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133063200S1	33-15	NWSE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133136100S1	33-6	NWSE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133141600S1	34-10J	SWSE	10	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133100300S1	34-11	SWSE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133058600S1	34-6	SWSE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133074200S1	4	NESW	12	9S	16E	WIW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430131579500S1	4	SENW	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133148700S1	41-12J	NENE	12	9S	16E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133140800S1	41-14J	NENE	14	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133136700S1	41-15	NENE	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133058100S1	41-6	NENE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133006600S1	42-11J	SENE	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133148600S1	42-12J	SENE	12	9S	16E	POW	UTU035521	EQUITABLE RESOURCES ENERG
UTU72086A	430133063300S1	42-15	SENE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133140400S1	42-1J	SENE	1	9S	16E	WIW	UTU40652	EQUITABLE RESOURCES ENERG
UTU72086A	430133136400S1	42-6	SENE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133100200S1	43-11J	NESE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133058300S1	43-6	NESE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133063000S1	44-10	SESE	10	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133141500S1	44-1J	SESE	1	9S	16E	WIW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133092600S1	7-A	NENE	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133096100S1	7-C	NENW	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENERG

JONAH (GREEN RIVER) UNIT

DUCHESNE COUNTY, UTAH

EFFECTIVE: JULY 1, 1993



16E

17E

9S

— UNIT OUTLINE (UTU72086A)

4,221.61 ACRES

SECONDARY ALLOCATION
FEDERAL 100.00%

OPERATOR CHANGE WORKSHEET

Routing:	
1-IPC	6-ABC
2-CH	7-KAS
3-DTS	8-SI
4-VLD	9-FILE
5-IRB	

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold) Designation of Agent
 Designation of Operator Operator Name Change Only

The operator of the well(s) listed below has changed, effective: 9-30-97

TO: (new operator) INLAND PRODUCTION COMPANY **FROM:** (old operator) EQUITABLE RESOURCES ENERGY
(address) PO BOX 1446 (address) PO BOX 577
ROOSEVELT UT 84066 LAUREL MT 59044
Phone: (801)722-5103 Phone: (406)628-4164
Account no. N5160 Account no. N9890

WELL(S) attach additional page if needed: ***JONAH (GREEN RIVER) UNIT**

Name: **SEE ATTACHED**	API: <u>43-013-30631</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

OPERATOR CHANGE DOCUMENTATION

- lec* 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). *(Rec'd 12-10-97)*
- lec* 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). *(Rec'd 10-13-97)*
- N/A* 3. The **Department of Commerce** has been contacted if the new operator above is not currently operating any wells in Utah. Is the company registered with the state? (yes/no) _____ If yes, show company file number: _____
- lec* 4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of **Federal** and **Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of steps 5 through 9 below.
- lec* 5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. *(1-14-98) * WIC/Que/Hro Pro 1-14-98 & WIC/DBase 1-14-98.*
- lec* 6. **Cardex** file has been updated for each well listed above.
- lec* 7. **Well file labels** have been updated for each well listed above.
- lec* 8. Changes have been included on the monthly "Operator, Address, and Account Changes" **memo** for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(1-14-98)*
- lec* 9. A folder has been set up for the **Operator Change file**, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Y kc 1. (r649-8-7) **Entity assignments have been reviewed** for all wells listed above. Were entity changes made? (yes/no) no If entity assignments were changed, attach copies of Form 6, Entity Action Form.
Entity 11492 "Jonah (BP) Unit"
- N/A 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been **notified** through normal procedures of entity changes.

BOND VERIFICATION - (FEE WELLS ONLY)

- N/A Y kc 1. (r649-3-1) The **NEW** operator of any fee lease well listed above has furnished a proper bond.
- 2. A **copy of this form** has been placed in the new and former operator's bond files.
- 3. The **FORMER** operator has requested a release of liability from their bond (yes/no) , as of today's date . If yes, division response was made to this request by letter dated .

LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

- N/A Y kc 1. Copies of documents have been sent on to at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- N/A 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated 19 , of their responsibility to notify all interest owners of this change.

FILMING

- Y 1. All attachments to this form have been **microfilmed**. Today's date: 2-3-98.

FILING

- 1. **Copies** of all attachments to this form have been filed in each **well file**.
- 2. The **original of this form**, and the **original attachments** are now being filed in the Operator Change file.

COMMENTS

980114 Btm/SY Aprv. eH. 1-13-98.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

U-017985

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

JONAH

8. Well Name and No.

CASTLE PK FED 24-15

9. API Well No.

43-013-30631

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE COUNTY, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

475 17TH STREET, SUITE 1500, DENVER, COLORADO 80202 (303) 292-0900

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

0906 FSL 2147 FWL SE/SW Section 15, T09S R16E

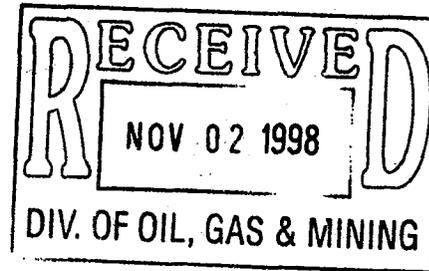
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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

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

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

Attached please find the site security diagram for the above referenced well.



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

Signed

Debbie E. Knight

Title

Manager, Regulatory Compliance

Date

10/28/98

(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

Conditions of approval, if any:

CC: UTAH DOGM

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

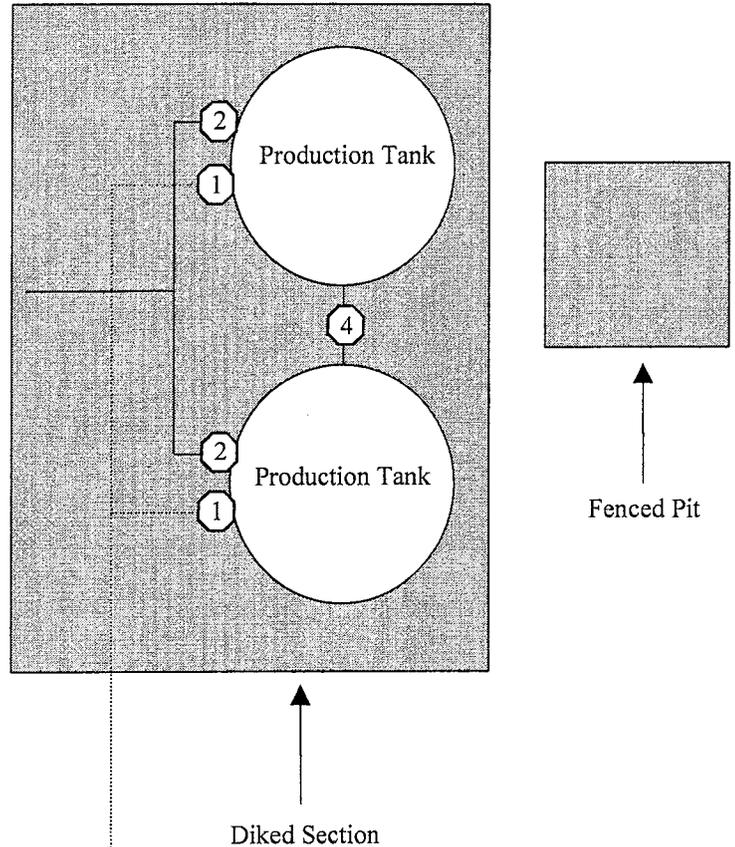
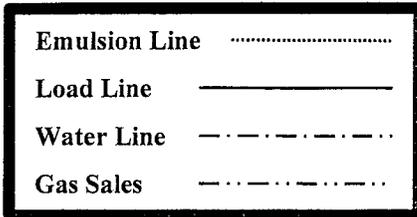
Inland Production Company Site Facility Diagram

Castle Peak 24-15

SE/SW Sec. 15, T9S, 16E

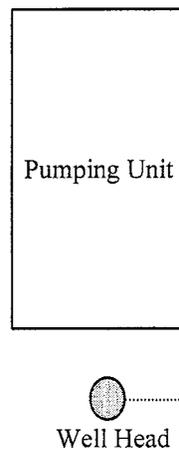
Duchesne County

Sept. 17, 1998



Site Security Plan is held at the Roosevelt Office, Roosevelt Utah

- | |
|--|
| <p><u>Production Phase:</u></p> <p>1) Valve 1 sealed closed</p> <p>2) Valves 2 and 4 sealed open</p> <p><u>Sales Phase:</u></p> <p>1) Valve 4 sealed closed</p> <p>2) Valves 1 open</p> <p><u>Draining Phase:</u></p> <p>1)</p> |
|--|





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>



IN REPLY REFER TO:
3106
(UT-924)

September 16, 2004

Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard
Acting Chief, Branch of
Fluid Minerals

Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114
Teresa Thompson
Joe Incardine
Connie Seare

Corporations Section
P.O.Box 13697
Austin, Texas 78711-3697



Geoffrey S. Connor
Secretary of State

Office of the Secretary of State

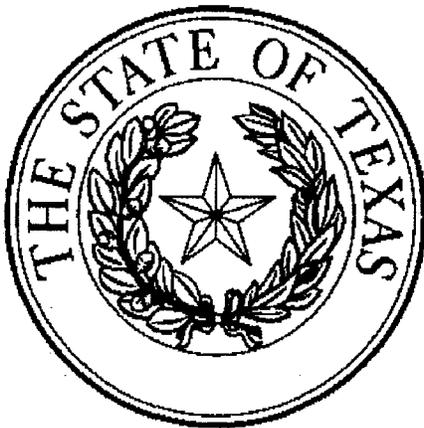
The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT
TO THE
ARTICLES OF INCORPORATION
OF
INLAND PRODUCTION COMPANY

FILED
In the Office of the
Secretary of State of Texas
SEP 02 2004
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1st day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs
Susan G. Riggs, Treasurer

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
6b. Inspections of LA PA state/fee well sites complete on: waived

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

8. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 2/28/2005
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UT 0056

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 61BSBDH2912

FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919
2. The **FORMER** operator has requested a release of liability from their bond on: n/a*
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS:

*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-017985
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		8. WELL NAME and NUMBER: CASTLE PK FED 24-15
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		9. API NUMBER: 43013306310000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0906 FSL 2147 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 15 Township: 09.0S Range: 16.0E 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 type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/16/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text"/>

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

The subject well has been converted from a producing oil well to an injection well on 09/15/2014. On 09/15/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 09/16/2014 the casing was pressured up to 1359 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 100 psig during the test. There was a State representative available to witness the test - Chris Jensen.

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

Date: ~~September 23, 2014~~
By: 

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 9/17/2014	

Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company
Rt. 3 Box 3630
Myton, UT 84052
435-646-3721

Witness: Chris Jensen Date: 9/16/2014 Time: 10:30 A.M.

Test Conducted by: Everett Unruh

Others Present: Pete Montague

Well:	Castle Peak 24-15-9-16	Field:	Monument Butte
Well Location:	SESW Sec 15 T9S R16E Duchesne County, UT	API No:	43-013-30631

Time	Casing Pressure
0 min	<u>1359</u> psig
5	<u>1360</u> psig
10	<u>1360</u> psig
15	<u>1360</u> psig
20	<u>1360</u> psig
25	<u>1360</u> psig
30 min	<u>1359</u> psig
35	_____ psig
40	_____ psig
45	_____ psig
50	_____ psig
55	_____ psig
60 min	_____ psig

Tubing Pressure: 100 psig

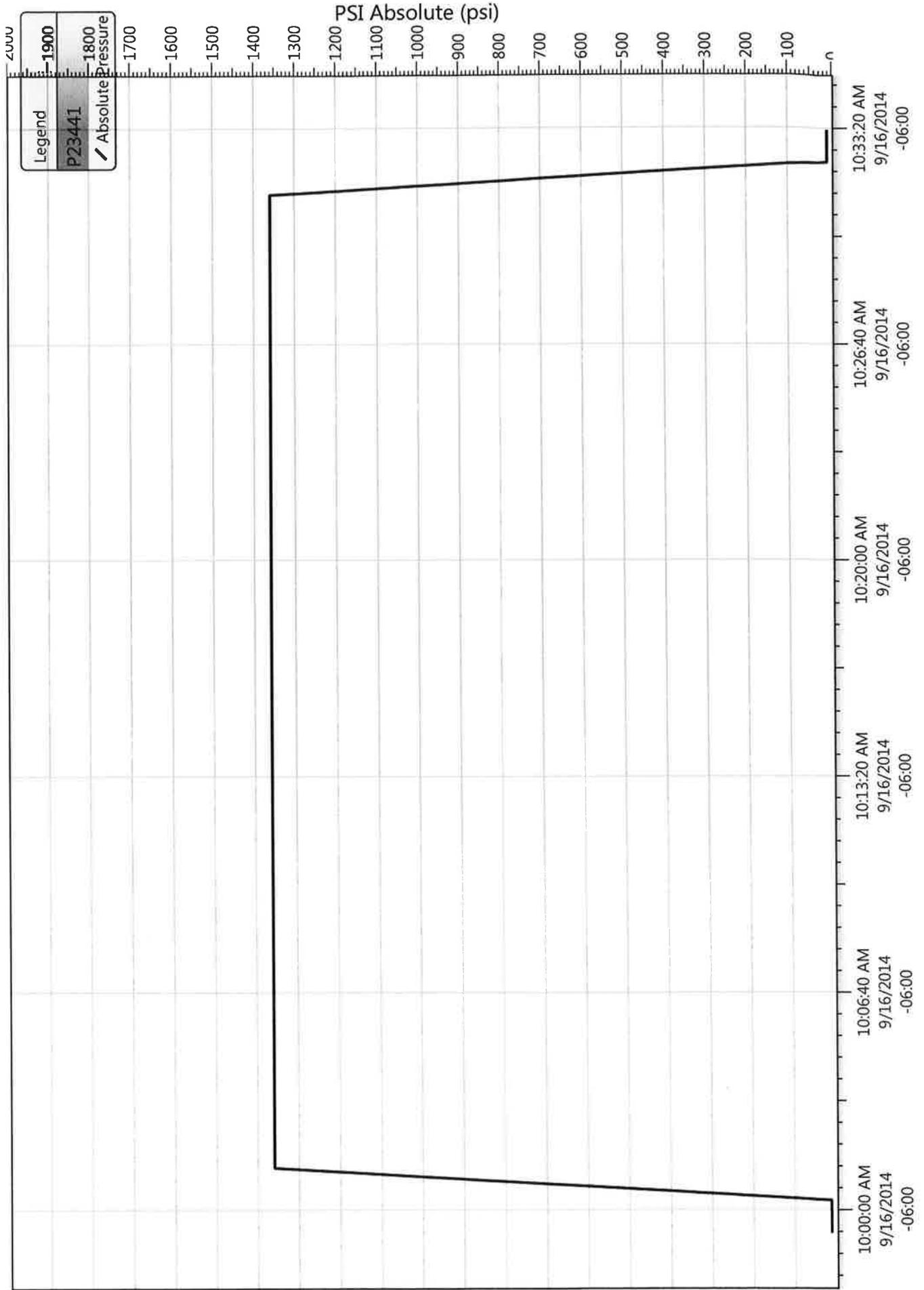
Result: Pass Fail

Signature of Witness: Chris Jensen

Signature of Person Conducting Test: Everett Unruh

Castle Peak 24-15-9-16 (9/16/2014, conversion MIT)

9/16/2014 9:58:31 AM



NEWFIELD

Schematic

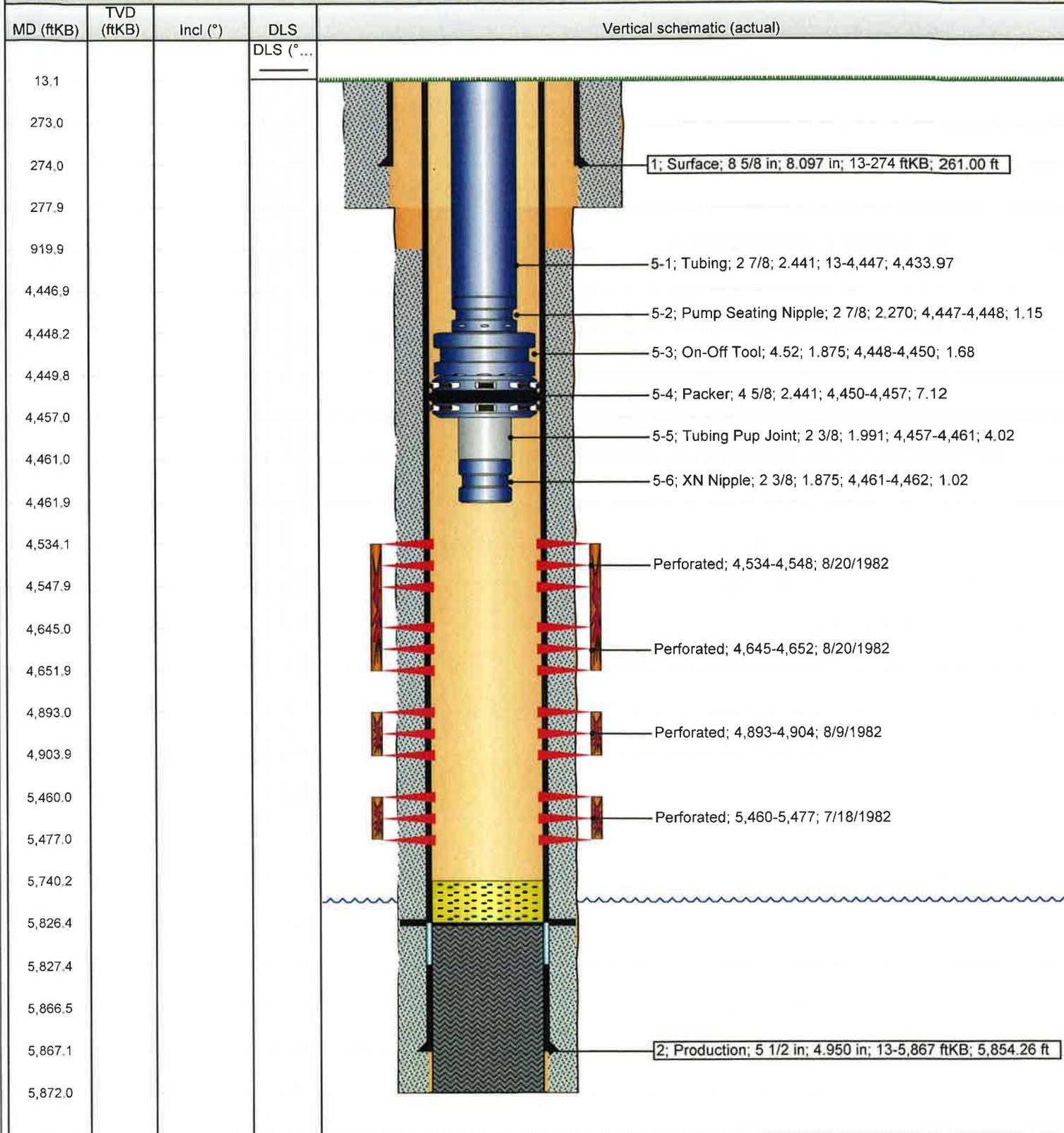
Well Name: Castle PK 24-15-9-16

Surface Legal Location 15-9S-16E		API/UWI 43013306310000	Well RC 500151874	Lease	State/Province Utah	Field Name GMBU CTB5	County DUCHESNE
Spud Date 6/19/1982	Rig Release Date 7/2/1982	On Production Date 7/1/1982	Original KB Elevation (ft) 5,783	Ground Elevation (ft) 5,770	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB) Original Hole - 5,826.3	

Most Recent Job

Job Category Production / Workover	Primary Job Type Conversion	Secondary Job Type Basic	Job Start Date 9/10/2014	Job End Date 9/16/2014
---------------------------------------	--------------------------------	-----------------------------	-----------------------------	---------------------------

TD: 5,872.0 Vertical - Original Hole, 9/17/2014 10:05:37 AM



NEWFIELD**Newfield Wellbore Diagram Data
Castle PK 24-15-9-16**

Surface Legal Location 15-9S-16E		API/UWI 43013306310000		Lease	
County DUCHESNE		State/Province Utah		Basin Uintah Basin	
Well Start Date 6/19/1982		Spud Date 6/19/1982		Final Rig Release Date 7/2/1982	
Original KB Elevation (ft) 5,783		Ground Elevation (ft) 5,770		Total Depth (ftKB) 5,872.0	
				Total Depth All (TVD) (ftKB)	
				PBTD (All) (ftKB) Original Hole - 5,826.3	

Casing Strings

Csg Des	Run Date	OD (in)	ID (in)	WV/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	6/21/1982	8 5/8	8.097	24.00	K-55	274
Production	7/2/1982	5 1/2	4.950	15.50	K-55	5,867

Cement**String: Surface, 274ftKB 6/21/1982**

Cementing Company Halliburton Energy Services		Top Depth (ftKB) 13.0	Bottom Depth (ftKB) 278.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description 200 SX TYPE II CMT W 2% CaCl + 1/4#/SK FLOCELE		Fluid Type Lead	Amount (sacks) 200	Class TYPE II	Estimated Top (ftKB) 13.0

String: Production, 5,867ftKB 7/2/1982

Cementing Company Halliburton Energy Services		Top Depth (ftKB) 920.0	Bottom Depth (ftKB) 5,872.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description		Fluid Type Lead	Amount (sacks) 325	Class HILIFT	Estimated Top (ftKB) 920.0
Fluid Description 10-0 RFC W/ 5#/SXS D-42		Fluid Type Tail	Amount (sacks) 475	Class 10-0 RFC	Estimated Top (ftKB) 3,396.0

Tubing Strings

Tubing Description Tubing		Run Date 9/15/2014			Set Depth (ftKB) 4,462.0			
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing	148	2 7/8	2.441	6.50	J-55	4,433.97	13.0	4,447.0
Pump Seating Nipple	1	2 7/8	2.270			1.15	4,447.0	4,448.1
On-Off Tool	1	4.515	1.875			1.68	4,448.1	4,449.8
Packer	1	4 5/8	2.441			7.12	4,449.8	4,456.9
Tubing Pup Joint	1	2 3/8	1.991			4.02	4,456.9	4,460.9
XN Nipple	1	2 3/8	1.875			1.02	4,460.9	4,462.0

Rod Strings

Rod Description		Run Date			Set Depth (ftKB)		
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)

Other In Hole

Des	Top (ftKB)	Btm (ftKB)	Run Date	Pull Date
Fill	5,740	5,826	6/14/2012	

Perforation Intervals

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (°)	Nom Hole Dia (in)	Date
3	Douglas Creek VII Sand, Original Hole	4,534	4,548	2	180		8/20/1982
3	Douglas Creek VII Sand, Original Hole	4,645	4,652	2	180		8/20/1982
2	Douglas Creek III Sand, Original Hole	4,893	4,904	2	180		8/9/1982
1	Wasatch Tongue Sand, Original Hole	5,460	5,477	2	180		7/18/1982

Stimulations & Treatments

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	1,620		15.0	3,200			
2	2,120		10.0	2,340			
3	1,920		16.0	2,800			

Proppant

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1		Proppant Bulk Sand 30500 lb
2		Proppant Bulk Sand 19500 lb
3		Proppant Bulk Sand 44500 lb



Well Name: Castle PK 24-15-9-16

Job Detail Summary Report

Primary Job Type Conversion	Job Start Date 9/10/2014	Job End Date 9/16/2014
--------------------------------	-----------------------------	---------------------------

Daily Operations		
Report Start Date	Report End Date	24hr Activity Summary
9/10/2014	9/10/2014	MIRU
Start Time	End Time	Comment
10:30	11:30	MOVE RIG FROM FEDERAL 8-13-9-16 TO LOCATION CASTLE PEAK FEDERAL 24-15-9-16
11:30	12:30	SPOT IN TEE SEAL WINCH TRUCK SPINNING OUT, SPOT IN RIG NOTICE TEE SEAL NEEDS TO BE SLIDED OVER TO OPERATORS SIDE MORE, GOT WINCH TRUCK STUCK (COULD NOT FIND TIRE CHAINS FOR WINCH TRUCK), PULL WINCH TRUCK OUT, PUMP 10 BBLS DOWN TUBING & PRESSURED TO 500 PSI - HELD
12:30	13:30	WAIT ON BACK HO TO MOVE TEE SEAL NEEDED TO BE ABLE TO RIG UP, FLUSH CASING W/ 50 BBLS @ 250 DEGREES CIRC TUBING TO ZUBBIATE TANK, GREASE CROWN ON RIG
13:30	14:00	BACK HO (HAMMER) WENT TO WRONG LOCATION 24-15-9-17 GOT TURNED AROUND & PULLED UP ON LOCATION, UNLOAD BACK HO, MOVE TEE SEAL, LOAD UP BACK HO
14:00	15:00	LEVEL UP RIG, RIG UP RELEVEL TEE SEAL SINKING, PULL GUIDED WIRES, REMOVE HORSES HEAD, BLEED DOWN CASING CAUSE TUBING FLOWING, LAY DOWN 1 1/2" X 22' POLISH ROD, LAY DOWN 3/4" X 2' & 4' PONY SUBS, LAY DOWN 3 - 3/4" 4 PER GUIDED RODS
15:00	15:30	FLUSH TUBING W/ 25 BBLS @ 250 DEGREES W/ 300 PSI PRESSURE
15:30	16:30	PICK UP 3 - 3/4" 4 PER GUIDED RODS, 1 - 3/4" X 4' PONY SUB, PICK UP 1 - 3/4" 4 PER OFF RIG SOFT SEAT PUMP, REMOVE B1-FLOW TEE (NOTICED 2 3/8" WELL HEAD) FIND 2 3/8" COLLAR & CROSS OVER SWAG, FILL TUBING W/ 5 BBLS & PRESSURE TUBING TO 3500 PSI - GOOD TEST, BLEED DOWN LINES, INSTALL B1- FLOW TEE
16:30	17:00	SPOT IN TRAILER TO LAY DOWN RODS, LAY DOWN 25 - 3/4" 4 PER GUIDED RODS, RODS CAME DIRTY, FLUSH TUBING W/ 25 BBLS @ 200 DEGREES
17:00	17:30	PM LET FLOW FROM TUBING DIE DOWN, LAY DOWN 11 - 3/4" 4 PER RODS (36 TOTAL LAIDED DOWN), CAME REALLY DIRTY SDFN
17:30	18:30	CREW TRAVEL HOME FROM LOCATION
24hr Activity Summary		
Report Start Date	Report End Date	24hr Activity Summary
9/11/2014	9/11/2014	L/D RODS, SAND LINE TAG, N/D WELL HEAD, N/U BOP'S, TOOH W/ TBG BREAK, REDOPE & MAKE UP COLLARS, L/D TBG ONTO TRAILER, M/U PKR 2 3/8" PKR TIH W/ TBG, PRESSURE TEST TBG
Start Time	End Time	Comment
06:00	07:00	CREW TRAVEL TO LOCATION
07:00	08:00	SAFETY MEETING, RIG UP HOTOILER TO TUBING, FLUSH TUBING WITH 30 BBLS @ 250 DEGREES, RETURN CASING TO ZUBBIATE TANK
08:00	12:30	STRIP ROD TABLE ON, BEGIN LAYING DOWN RODS ONTO TRAILER, HAD TO STOP MULTIPLE TIMES TO FLUSH BECAUSE OF HIGH FLUID LEVEL (TOTAL OF 85 BBLS USED TO FLUSH RODS TODAY) RODS LAID DOWN ON TRAILER 86 3/4" GUIDED, 87 SLICK 3/4", 41 3/4" GUIDED, 4 WEIGHT BARS, ROD PUMP



Job Detail Summary Report

Well Name: Castle PK 24-15-9-16

Start Time	12:30	End Time	14:00	Comment
Start Time	14:00	End Time	15:30	Comment
Start Time	15:30	End Time	16:00	Comment
Start Time	16:00	End Time	17:00	Comment
Start Time	17:00	End Time	18:00	Comment
Report Start Date	9/12/2014	Report End Date	9/12/2014	24hr Activity Summary
Start Time	06:00	End Time	07:00	Comment
Start Time	07:00	End Time	08:00	Comment
Start Time	08:00	End Time	10:00	Comment
Start Time	10:00	End Time	10:30	Comment
Start Time	10:30	End Time	12:00	Comment
Start Time	12:00	End Time	13:30	Comment
Start Time	13:30	End Time	15:00	Comment
Start Time	15:00	End Time	16:00	Comment
Start Time	16:00	End Time	17:15	Comment
Start Time	17:15	End Time	17:45	Comment



Well Name: Castle PK 24-15-9-16

Job Detail Summary Report

Start Time	17:45	End Time	19:00	Comment
Start Time	19:00	End Time	20:00	Comment
Report Start Date	9/15/2014	Report End Date	9/15/2014	24hr Activity Summary
Start Time	06:00	End Time	07:00	Comment
Start Time	07:00	End Time	08:00	Comment
Start Time	08:00	End Time	09:00	Comment
Start Time	09:00	End Time	10:30	Comment
Start Time	10:30	End Time	11:45	Comment
Start Time	11:45	End Time	12:30	Comment
Start Time	12:30	End Time	13:30	Comment
Report Start Date	9/16/2014	Report End Date	9/14/2014	24hr Activity Summary
Start Time	00:00	End Time	00:30	Comment

Comment
WATCH PRESSURE ON TUBING, 15 MIN LOST 50 PSI (6 PM), 15 MIN LOST 50 PSI (6:15 PM), 15 MIN LOST 25 PSI (6:30 PM), 15 MIN LOST 25 PSI (6:45 PM), 15 MIN LOST 25 PSI (3025 PSI) (7 PM) SIW SDFN

Comment
CREW TRAVEL HOME FROM LOCATION

Comment
FINISH PRESSURE TESTING TBG, FISH STD VALVE, N/D BOP'S, SET PACKER, N/U WELL HEAD, PRESSURE TEST CGS, DO MIT TEST ON CGS

Comment
CREW TRAVEL TO LOCATION

Comment
SAFETY MEETING (PINCH POINTS), CHECK PRESSURES SITP - 2500 PSI, SICP - 50 PSI, PRESSURE UP 2 3/8" TUBING TO 3000 PSI WATCH PRESSURE HELD NO BLEED DOWN 45 MINUTE

Comment
RIG UP SAND LINE LUBRICATOR W/ BABY RED FISHING TOOL, RUN IN HOLE W/ SAND LINE & LATCH ONTO STANDING VALVE @ 4448', COME OUT OF HOLE W/ STANDING VALVE, RIG DOWN SAND LINE & LUBRICATOR

Comment
RIG DOWN TUBING EQUIPMENT, RIG DOWN FLOOR, NIPPLE DOWN BOP'S, SET PACKER @ 4456' W/ 13K # TENTION, NIPPLE UP WELL HEAD, FILL CASING W/ 2 BBL'S @ 75 DEGREES & PRESSURE CASING TO 1500 PSI

Comment
WATCH PRESSURE ON CASING, 15 MIN LOST 25 PSI (10:45 AM), 15 MIN LOST 15 PSI TUBING FULL OF WATER (11 AM), 20 MIN LOST 10 PSI (1450 PSI) (11:20 AM), 25 MIN LOST 0 PSI (1:45 AM), 20 MIN LOST 0 PSI (1450 PSI @ 12:05 PM), 15 MIN LOST 0 PSI (1450 PSI @ 12:20 PM) TEXT FOR MIT TEST, 25 MIN LOST 0 PSI (1450 PSI @ 12:45 PM)

Comment
RIG UP (EVERETT) PUMPER FOR MIT TEST, STARTING PRESSURE FOR MIT TEST IS 1447 PSI, 20 MIN LOST 3 PSI FOR MIT TEST, 30 MIN TEST ENDING PRESSURE 1443 LOST 4 PSI - GOOD TEST, RIG DOWN PUMPER

Comment
CHANGE OVER BLOCKS, RIG DOWN, PREP TO MOVE RIG TO NEW LOCATION K JORGENSON 16-4-9-17

Comment
On 09/15/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 09/16/2014 the casing was pressured up to 1359 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 100 psig during the test. There was a State representative available to witness the test - Chris Jensen.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-017985	
SUNDRY NOTICES AND REPORTS ON WELLS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)	
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: CASTLE PK FED 24-15	
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		9. API NUMBER: 43013306310000	
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0906 FSL 2147 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 15 Township: 09.0S Range: 16.0E 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 type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/18/2014 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input checked="" type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input checked="" 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 type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
The above reference well was put on injection at 9:00 AM on 12/18/2014.			
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY December 23, 2014			
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician	
SIGNATURE N/A		DATE 12/23/2014	



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-419

Operator: Newfield Production Company
Well: Castle Peak Federal 24-15
Location: Section 15, Township 9 South, Range 16 East
County: Duchesne
API No.: 43-013-30631
Well Type: Enhanced Recovery (waterflood)

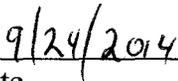
Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on July 10, 2014
2. Maximum Allowable Injection Pressure: 1,585 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,827' – 5,815')
5. Any subsequent wells drilled within a ½ mile radius of this well shall have production casing cement brought up to or above the top of the unitized interval for the Greater Monument Butte Unit.

Approved by:


John Rogers
Associate Director

Date


9/24/2014

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency
Bureau of Land Management, Vernal
SITLA
Jill Loyle, Newfield Production Company, Denver
Newfield Production Company, Myton
Duchesne County
Well File

N:\O&G Reviewed Docs\ChronFile\UIC\Newfield





GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

July 10, 2014

Newfield Production Company
1001 Seventeenth Street, Suite 2000
Denver, CO 80202

Subject: Greater Monument Butte Unit Well: Castle Peak Federal 24-15, Section 15, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-30631

Newfield Production Company:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
3. A casing\tubing pressure test shall be conducted prior to commencing injection.
4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.
5. The top of the injection interval shall be limited to a depth no higher than 3,827 feet in the Castle Peak Federal 24-15 well.

A final approval to commence injection will be issued upon satisfactory completion of the listed stipulations. If you have any questions regarding this approval or the necessary requirements, please contact Mark Reinbold at 801-538-5333 or Brad Hill at 801-538-5315.

Sincerely,

John Rogers
Associate Director

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency
Bureau of Land Management, Vernal
SITLA
Duchesne County
Newfield Production Company, Myton
Well File

N:\O&G Reviewed Docs\ChronFile\UIC



**DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM
PERMIT
STATEMENT OF BASIS**

Applicant: Newfield Production Company **Well:** Castle Peak Federal 24-15-9-16

Location: 15/9S/16E **API:** 43-013-30631

Ownership Issues: The proposed well is located on BLM land. The well is located in the Greater Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the BLM and the State of Utah. The Federal Government and the State of Utah are the mineral owners within the area of review (AOR). Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and lease holders in the half-mile radius. Newfield is the operator of the Greater Monument Butte Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

Well Integrity: The proposed well has surface casing set at 274 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,867 feet. The cement bond log demonstrates adequate bond in this well up to about 920 feet. A 2 7/8 inch tubing with a packer will be set at 4,484 feet. Higher perforations may be opened at a later date. A mechanical integrity test will be run on the well prior to injection. At the time of this revision (9/23/2014), based on surface locations, there are 4 producing wells, 9 injection wells, 1 P/A well, and 2 shut-in wells (including the proposed injection well) in the AOR. One of the producing wells is directionally drilled, with a surface location inside the AOR and a bottom hole location outside the AOR. In addition, there are 3 directional producing wells with surface locations outside the AOR and bottom hole locations inside the AOR. Finally, there is 1 approved surface location outside the AOR for a directional well to be drilled to a bottom hole location inside the AOR. All of the existing wells have evidence of adequate casing and cement for the proposed injection interval.

Ground Water Protection: As interpreted from the Utah Geological Survey's DOE Project-Uinta Basin Water Draft Map (Paul B. Anderson, December 2, 2011), the base of moderately saline water (3000-10,000 mg/l TDS) is at a depth of approximately 2800 feet. Injection shall be limited to the interval between 3,827 feet and 5,815 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 24-15-9-16 well is 0.73 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,585 psig. The requested maximum pressure is 1,585 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

Castle Peak Federal 24-15-9-16

page 2

Oil/Gas& Other Mineral Resources Protection: The Board of Oil, Gas & Mining approved the Greater Monument Butte Unit on December 1, 2009. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

Bonding: Bonded with the BLM

Actions Taken and Further Approvals Needed: A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Mark Reinbold Date: 7/9/2014 (revised 9/23/2014)

4770 S. 5600 W.
 P.O. BOX 704005
 WEST VALLEY CITY, UTAH 84170
 FED. TAX I.D.# 87-0217663
 801-204-6910

The Salt Lake Tribune

MEDIA One

Deseret News

PROOF OF PUBLICATION

CUSTOMER'S COPY

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING, Rose Nolton 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	9001402352	3/7/2014

RECEIVED
MAR 17 2014

ACCOUNT NAME		DIV OF OIL, GAS & MINING	
DIV OF OIL-GAS & MINING,			
TELEPHONE	ADORDER# / INVOICE NUMBER		
8015385340	0000944320 /		
SCHEDULE			
Start 03/07/2014		End 03/07/2014	
CUST. REF. NO.			
Cause No. UIC-419			
CAPTION			
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES			
SIZE			
65	Lines	2.00	COLUMN
TIMES	RATE		
3			
MISC. CHARGES	AD CHARGES		
TOTAL COST			
223.40			

BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH
 NOTICE OF AGENCY ACTION
 CAUSE NO. UIC-419

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 15, 17, and 20, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:
 Castle Peak Federal 22-15-9-16 well located in SE/4 NW/4, Section 15, Township 9 South, Range 16 East
 API 43-013-30634
 Castle Peak Federal 24-15-9-16 well located in SE/4 SW/4, Section 15, Township 9 South, Range 16 East
 API 43-013-30631
 Monument Federal 24-17-9-16 well located in SE/4 SW/4, Section 17, Township 9 South, Range 16 East
 API 43-013-31682
 Nova 31-20 G NGC Federal well located in NW/4 NE/4, Section 20, Township 9 South, Range 16 East
 API 43-013-31071

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 5th day of March, 2014.
 STATE OF UTAH
 DIVISION OF OIL, GAS & MINING
 /s/
 Brad Hill
 Permitting Manager

944320 UPAXLP

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH LEGAL BOOKER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF **BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-419 IN THE MATTER OF THE APPLICA** FOR **DIV OF OIL-GAS & MINING**, WAS PUBLISHED BY THE NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH. NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON UTAHLEGALS.COM INDEFINATELY. COMPLIES WITH UTAH DIGITAL SIGNATURE ACT UTAH CODE 46-2-101, 46-3-104.

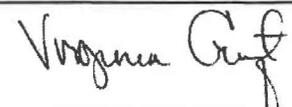
PUBLISHED ON Start 03/07/2014 End 03/07/2014

SIGNATURE 

DATE 3/7/2014

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"
PLEASE PAY FROM BILLING STATEMENT

VIRGINIA CRAFT
 NOTARY PUBLIC - STATE OF UTAH
 My Comm. Exp. 01/12/2018
 Commission # 672963


 NOTARY SIGNATURE

2950/GG01C/F/COMM GF 19 REE/6131

AFFIDAVIT OF PUBLICATION

County of Duchesne,
STATE OF UTAH

I, Kevin Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 11 day of March, 20 14, and that the last publication of such notice was in the issue of such newspaper dated the 11 day of March, 20 14, and that said notice was published on Utahlegals.com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.

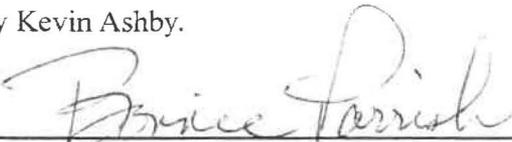


Publisher

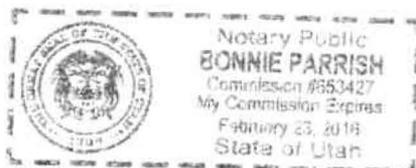
Subscribed and sworn to before me on this

11 day of March, 20 14

by Kevin Ashby.



Notary Public



NOTICE OF AGENCY ACTION CAUSE NO. UIC-419

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

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 15, 17, and 20, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

- Greater Monument Butte Unit:
 - Castle Peak Federal 22-15-9-16 well located in SE/4 NW/4, Section 15, Township 9 South, Range 16 East API 43-013-30634
 - Castle Peak Federal 24-15-9-16 well located in SE/4 SW/4, Section 15, Township 9 South, Range 16 East API 43-013-30631
 - Monument Federal 24-17-0-16 well 11-

City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests. Dated this 5th day of March, 2014.

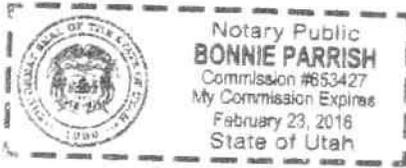
STATE OF UTAH
DIVISION OF
OIL, GAS & MINING

/s/
Brad Hill
Permitting Manager

Published in the
Uintah Basin Standard
March 11, 2014.

Bonnie Parrish

Notary Public



phone 303-893-0102,
for administrative
approval of the fol-
lowing wells located
in Duchesne County,
Utah, for conversion
to Class II injection
wells:

Greater Monument
Butte Unit:

Castle Peak
Federal 22-15-9-16
well located in SE/4
NW/4, Section 15,
Township 9 South,
Range 16 East
API 43-013-30634

Castle Peak
Federal 24-15-9-16
well located in SE/4
SW/4, Section 15,
Township 9 South,
Range 16 East

API 43-013-30631
Monument Federal
24-17-9-16 well lo-
cated in SE/4 SW/4,
Section 17, Township
9 South, Range 16
East

API 43-013-31682
Nova 31-20 G
NGC Federal well lo-
cated in NW/4 NE/4,
Section 20, Township
9 South, Range 16
East

API 43-013-31071
The proceeding
will be conducted in
accordance with Utah
Admin. R649-10,
Administrative Proce-
dures.

Selected zones
in the Green River
Formation will be
used for water injec-
tion. The maximum
requested injection
pressures and rates
will be determined
based on fracture
gradient informa-
tion submitted by
Newfield Production
Company.

Any person
desiring to object to
the application or
otherwise intervene
in the proceeding,
must file a written
protest or notice of
intervention with
the Division within
fifteen days following
publication of this
notice. The Division's
Presiding Officer
for the proceeding is
Brad Hill, Permitting
Manager, at P.O. Box
145801, Salt Lake

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-419

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 15, 17, and 20, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:

Castle Peak Federal 22-15-9-16 well located in SE/4 NW/4, Section 15, Township 9 South, Range 16 East
API 43-013-30634

Castle Peak Federal 24-15-9-16 well located in SE/4 SW/4, Section 15, Township 9 South, Range 16 East
API 43-013-30631

Monument Federal 24-17-9-16 well located in SE/4 SW/4, Section 17, Township 9 South, Range 16 East
API 43-013-31682

Nova 31-20 G NGC Federal well located in NW/4 NE/4, Section 20, Township 9 South, Range 16 East
API 43-013-31071

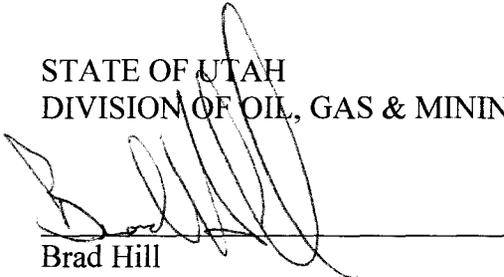
The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 5th day of March, 2014.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING



Brad Hill
Permitting Manager

Newfield Production Company

**CASTLE PEAK FEDERAL 22-15-9-16, CASTLE PEAK FEDERAL 24-15-9-16,
MONUMENT FEDERAL 24-17-9-16, NOVA 31-20 G NGC FEDERAL**

Cause No. UIC-419

Publication Notices were sent to the following:

Newfield Production Company
1001 17th Street, Suite 2000
Denver, CO 80202

SITLA
675 E 500 S Ste 500
Salt Lake City, UT 84102-2818

Uintah Basin Standard
268 South 200 East
Roosevelt, UT 84066
via e-mail ubs@ubstandard.com

Duchesne County Planning
P O Box 317
Duchesne, UT 84021-0317

Salt Lake Tribune
P O Box 45838
Salt Lake City, UT 84145
via e-mail naclegal@mediaoneutah.com

Bruce Suchomel
US EPA Region 8
MS 8P-W-GW
1595 Wynkoop Street
Denver, CO 80202-1129

Vernal Office
Bureau of Land Management
170 South 500 East
Vernal, UT 84078

Newfield Production Company
Rt 3 Box 3630
Myton, UT 84052





GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

March 5, 2014

Via e-mail: legals@ubstandard.com

Uintah Basin Standard
268 South 200 East
Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-419

To whom it may concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing to:

Division of Oil, Gas and Mining
PO Box 145801
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet
Executive Secretary

Enclosure



Jean Sweet <jsweet@utah.gov>

Re: Notice of Agency Action - Newfield Production Company Cause No. UIC-419

1 message

UB Standard Legals <ubslegals@ubmedia.biz>
To: Jean Sweet <jsweet@utah.gov>

Wed, Mar 5, 2014 at 3:49 PM

On 3/5/2014 11:12 AM, Jean Sweet wrote:

To whom it may concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published.

My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing to:

Division of Oil, Gas and Mining

PO Box 145801

Salt Lake City, UT 84114-5801

Sincerely,

Jean

—

Jean Sweet
Executive Secretary
Utah Division of Oil, Gas and Mining
801-538-5329

Received. It will be published March 11.

Thank you.

Cindy



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

March 5, 2014

VIA E-MAIL naclegal@mediaoneutah.com

Salt Lake Tribune
P. O. Box 45838
Salt Lake City, UT 84145

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-419

To whom it may concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing for **account #9001402352** to:

Division of Oil, Gas and Mining
PO Box 145801
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet
Executive Secretary

Enclosure

Order Confirmation for Ad #000944320-01

Client	DIV OF OIL-GAS & MINING	Payor Customer	DIV OF OIL-GAS & MINING
Client Phone	801-538-5340	Payor Phone	801-538-5340
Account#	9001402352	Payor Account	9001402352
Address	1594 W NORTH TEMP #1210,P.O. BOX 145801 SALT LAKE CITY, UT 84114 USA	Payor Address	1594 W NORTH TEMP #1210,P.O. BO: SALT LAKE CITY, UT 84114

Fax 801-359-3940
Email juliecarter@utah.gov

Ordered By Jean
Acct. Exec kstowe

Total Amount	\$223.40			
Payment Amt	\$0.00			
Amount Due	\$223.40	Tear Sheets 0	Proofs 0	Affidavits 1
Payment Method		PO Number	Cause No. UIC-419	
Confirmation Notes:				
Text:	Jean			

Ad Type	Ad Size	Color
Legal Liner	2.0 X 65 Li	<NONE>

Product	Placement	Position
Salt Lake Tribune::	Legal Liner Notice - 0998	998-Other Legal Notices
Scheduled Date(s):	3/7/2014	
Product	Placement	Position
Deseret News::	Legal Liner Notice - 0998	998-Other Legal Notices
Scheduled Date(s):	3/7/2014	
Product	Placement	Position
utahlegals.com::	utahlegals.com	utahlegals.com
Scheduled Date(s):	3/7/2014	

Ad Content Proof Actual Size

**BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-419**

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 15, 17, and 20, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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API 43-013-30634
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API 43-013-30631
Monument Federal 24-17-9-16 well located in SE/4 SW/4, Section 17, Township 9 South, Range 16 East
API 43-013-31682
Nava 31-20 G NGC Federal well located in NW/4 NE/4, Section 20, Township 9 South, Range 16 East
API 43-013-31071

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 5th day of March, 2014.
STATE OF UTAH
DIVISION OF OIL, GAS & MINING
/s/
Brad Hill
Permitting Manager

944320 UPAXP

NEWFIELD



Newfield Exploration Company

1001 17th Street | Suite 2000

Denver, Colorado 80202

PH 303-893-0102 | FAX 303-893-0103

February 28, 2014

Mr. Mark Reinbold
State of Utah
Division of Oil, Gas and Mining
1594 W North Temple
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well
Castle Peak #24-15-9-16
Monument Butte Field, Lease #UTU-74805
Section 15-Township 9S-Range 16E
Duchesne County, Utah

RECEIVED

MAR 03 2014

DIV. OF OIL, GAS & MINING

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the Castle Peak #24-15-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

I hope you find this application complete; however, if you have any questions or require additional information, please contact me at (303) 893-0102.

Sincerely,

Jill L. Loyle
Regulatory Associate



NEWFIELD PRODUCTION COMPANY
APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL
CASTLE PEAK #24-15-9-16
MONUMENT BUTTE FIELD (GREEN RIVER) FIELD
LEASE #UTU-74805
FEBRUARY 28, 2014

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STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR Newfield Production Company
ADDRESS 1001 17th Street, Suite 2000
Denver, Colorado 80202

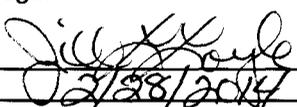
Well Name and number: Castle Peak #24-15-9-16
Field or Unit name: Monument Butte (Green River) Lease No. UTU-74805
Well Location: QQ SESW section 15 township 9S range 16E county Duchesne

Is this application for expansion of an existing project? Yes [X] No []
Will the proposed well be used for: Enhanced Recovery? Yes [X] No []
Disposal? Yes [] No [X]
Storage? Yes [] No [X]
Is this application for a new well to be drilled? Yes [] No [X]
If this application is for an existing well,
has a casing test been performed on the well? Yes [] No [X]
Date of test: _____
API number: 43-013-30631

Proposed injection interval: from 3827 to 5815
Proposed maximum injection: rate 500 bpd pressure 1585 psig
Proposed injection zone contains [x] oil, [] gas, and/or [] fresh water within 1/2
mile of the well.

IMPORTANT: Additional information as required by R615-5-2 should
accompany this form.

List of Attachments: Attachments "A" through "H-1"

I certify that this report is true and complete to the best of my knowledge.
Name: Jill L Loyle Signature 
Title Regulatory Associate Date 2/28/2019
Phone No. 303-383-4135

(State use only)
Application approved by _____ Title _____
Approval Date _____

Comments:

Castle Peak #24-15-9-16

Spud Date: 6/19/82
 Put on Production: 8/30/12
 GL: 5770' KB: 5783'

Proposed Injection Wellbore Diagram

SURFACE CASING

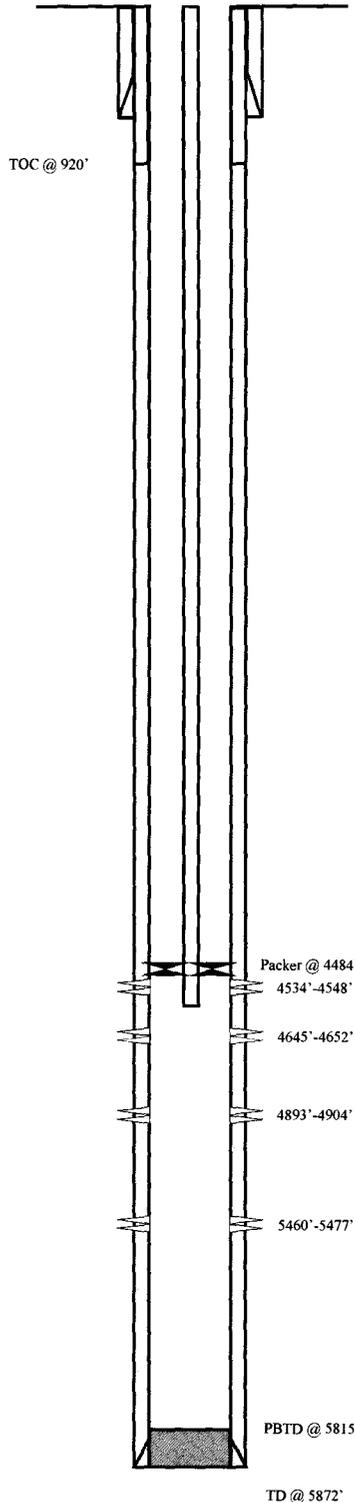
CSG SIZE: 8-5/8"
 GRADE: K-55
 WEIGHT: 24#
 LENGTH: 7 jts. (261')
 DEPTH LANDED: 274'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 200 sxs Type II cmt. Returns to surface.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: K-55
 WEIGHT: 15.5#
 LENGTH: 138 jts. (5870.46')
 DEPTH LANDED: 5867'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 325 sxs Dowell HiLift & 475 sxs 10-0 PFC.
 CEMENT TOP: 920' per CBL 7/17/82

TUBING (KS 8/25/10)

SIZE/GRADE/WT.: 2-3/8" / J-55 / 4.7#
 NO. OF JOINTS: 181 jts (5413.8')
 TUBING ANCHOR: 5426.8'
 NO. OF JOINTS: 1 jt (29.5')
 SEATING NIPPLE: 2-3/8" (1.10')
 SN LANDED AT: 5459.1'
 NO. OF JOINTS: 1 jt (30.1')
 NOTCHED COLLAR: 2-3/8" (0.5')
 TOTAL STRING LENGTH: EOT @ 5491'



FRAC JOB

Date	Interval	Fracture Details
7/19/82	5460'-5477'	Frac zone as follows: 30,500# 20/40 + 6,000# 10-20 sand in 643 bbls Ver 140 fluid. Treated @ avg press of 1650 psi w/avg rate of 15 BPM. ISIP 1620 psi.
8/09/82	4893'-4904'	Frac zone as follows: 19,500# 20/40 + 6,000# 10-20 sand in 560 bbls Ver 140 fluid. Treated @ avg press of 2000 psi w/avg rate of 10 BPM. ISIP 2120 psi.
8/21/82	4534'-4652'	Frac zone as follows: 44,500# 20/40 + 12,000# 10-20 sand in 905 bbls Ver 140 fluid. Treated @ avg press of 2600 psi w/avg rate of 15 BPM. ISIP 1920 psi.
11/6/01		Tbg leak. Update rod and tubing details.
11/20/01		Pump change. Update rod details.
5-31-05		Pump change. Update rod details.
8/18/09		Tubing Leak. Updated rod & tubing detail.
8/26/2010		Parted rods. Updated rod and tubing detail.

PERFORATION RECORD

Interval	Tool	Holes
4534'-4548'	2 JSPF	28 holes
4645'-4652'	2 JSPF	14 holes
4893'-4904'	2 JSPF	22 holes
5460'-5477'	2 JSPF	34 holes

NEWFIELD

Castle Peak #24-15-9-16
 659' FSL & 1980' FWL
 SESW Section 15-T9S-R16E
 Duchesne Co, Utah
 API #43-013-30631; Lease #U-74805

WORK PROCEDURE FOR INJECTION CONVERSION

1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
3. Test casing and packer.
4. Rig down and move out.

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS
RULE R615-5-1**

- 1. Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
- 2. A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

2.1 The name and address of the operator of the project.

Newfield Production Company
1001 17th Street, Suite 2000
Denver, Colorado 80202

2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.

See Attachment A.

2.3 A full description of the particular operation for approval is requested.

Approval is requested to convert the Castle Peak #24-15-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field.

2.4 A description of the pools from which the identified wells are producing or have produced.

The proposed injection well will inject into the Green River Formation.

2.5 The names, description and depth of the pool or pools to be affected.

The injection zone is in the Green River Formation. For the Castle Peak #24-15-9-16 well, the proposed injection zone is from Garden Gulch to Basal Carbonate (3827' - 5815'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, which ever is shallower. The Garden Gulch Marker top is at 3507' and the TD is at 5872'.

2.6 A copy of a log of a representative well completed in the pool.

The referenced log for the Castle Peak #24-15-9-16 is on file with the Utah Division of Oil, Gas and Mining.

2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.

See Attachment B.

2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.

See Attachment C.

2.10 Any additional information the Board may determine is necessary to adequately review the petition.

Newfield Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.

This proposed injection well is on a Federal lease (Lease #UTU-74805) in the Monument Butte Federal (Green River) Field, and this request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,
STORAGE AND ENHANCED RECOVERY WELLS
SECTION V – RULE R615-5-2**

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**
 - 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachments A and B.
 - 2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.
 - 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.
 - 2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.
 - 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24# surface casing run to 274' KB, and 5-1/2", 15.5# casing run from surface to 5867' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.
 - 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.
 - 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F.

2.8 The proposed average and maximum injection pressures.

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1585 psig.

2.9 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.

The minimum fracture gradient for the Castle Peak #24-15-9-16, for existing perforations (4534' - 5477') calculates at 0.73 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1585 psig. We may add additional perforations between 3507' and 5872'. See Attachments G and G-1.

2.10 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.

In the Castle Peak #24-15-9-16, the proposed injection zone (3827' - 5815') is in the Garden Gulch to the Basal Carbonate of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

2.11 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.

See Attachments E through E-16.

Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

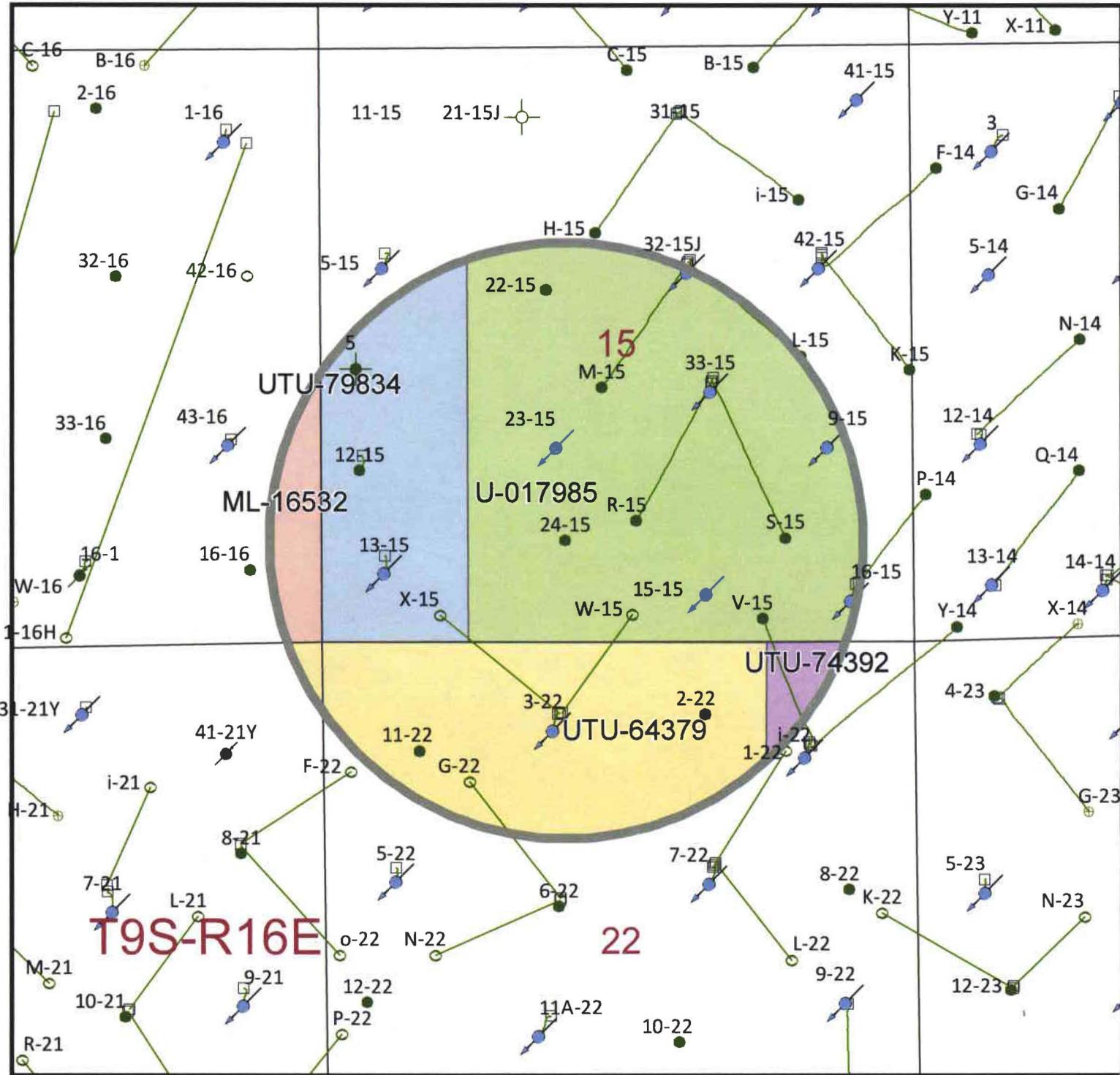
2.12 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.

See Attachment C.

2.13 Any other information that the Board or Division may determine is necessary to adequately review the application.

Newfield Production Company will supply any requested information to the Board or Division.

ATTACHMENT A



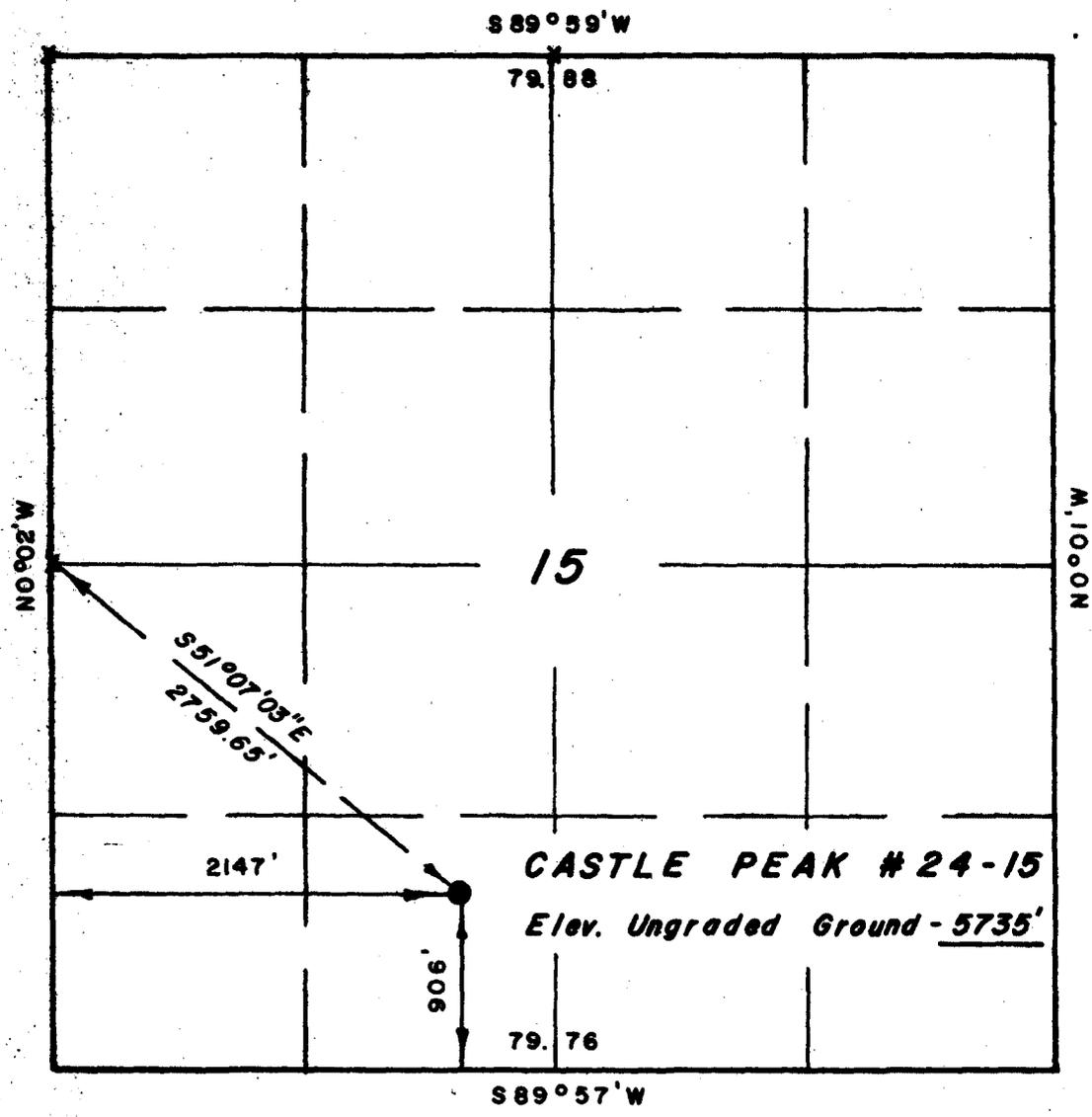
ATTACHMENT A-1

PROJECT

DIAMOND SHAMROCK CORP.

Well location, **CASTLE PEAK # 24-15**, located as shown in the SE 1/4 SW 1/4 Section 15, T9S, R16E, S.L.B.&M. Duchesne County, Utah.

T 9 S, R 16 E, S.L.B.&M.



X = Section Corners Located



CERTIFICATE

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

Gene Stewart
 REGISTERED LAND SURVEYOR
 REGISTRATION NO 3154
 STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING P.O. BOX Q - 88 SOUTH - 200 EAST VERNAL, UTAH - 84078	
SCALE 1" = 1000'	DATE 12 / 24 / 81
PARTY G.S. T.J. J.P. SB.	REFERENCES GLO Plat
WEATHER	FILE

EXHIBIT B

#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
1	T9S-R16E SLM Section 16: ALL	State of Utah ML 16532 HBP	QEP Energy Company El Paso E&P Company, LP Isramco Resources Inc Brave River Production Santa Fe Snyder Corporation Santa Fe Snyder Corporation Oxy USA Inc MYCO Industries Inc ABO Petroleum Corporation Yates Petroleum Corporation Newfield RMI LLC Newfield Production Company	State of Utah
2	T9S-R16E SLM Section 10: S2SE Section 15: E2, E2W2	USA UTU-017985 HBP	Newfield Production Company Newfield RMI LLC ABO Petroleum Corporation MYCO Industries Inc Oxy Y-1 Company Yates Petroleum Corporation	USA
3	T9S-R16E SLM Section 8: SWNE, SE Section 9: SWSW Section 17: NE Section 18: E2SW, SE, LOTS 3,4 Section 19: NE, E2NW, LOTS 1,2 Section 21: N2 Section 22: W2NE, SENE, NW	USA UTU-64379 HBP	Newfield Production Company Newfield RMI LLC Yates Petroleum Corp	USA

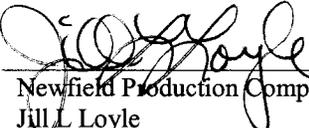
4	<p>T9S-R16E SLM Section 21: S2 Section 22: NENE, S2 Section 23: SWSW Section 24: SESE Section 26; NENE Section: 27: ALL Section 28: ALL</p>	<p>USA UTU-74392 HBP</p>	<p>Newfield Production Company Newfield RMI LLC ABO Petroleum Corporation MYCO Industries Inc Oxy Y-1 Company Yates Petroleum Corporation</p>	USA
5	<p>T9S-R16E SLM Section 15: W2W2</p>	<p>USA UTU-79834 HBP</p>	<p>Newfield Production Company Newfield RMI LLC</p>	USA

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well
Castle Peak #24-15-9-16

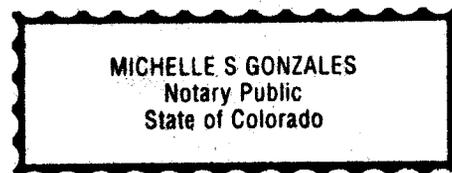
I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed: 
Newfield Production Company
Jill L. Loyle
Regulatory Associate

Sworn to and subscribed before me this 28th day of February, 2014.

Notary Public in and for the State of Colorado: 

My Commission Expires: 11/08/2014



Castle Peak #24-15-9-16

Spud Date: 6/19/82
 Put on Production: 8/30/12
 GL: 5770' KB: 5783'

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: K-55
 WEIGHT: 24#
 LENGTH: 7 jts. (261')
 DEPTH LANDED: 274'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 200 sxs Type II cmt. Returns to surface.

PRODUCTION CASING

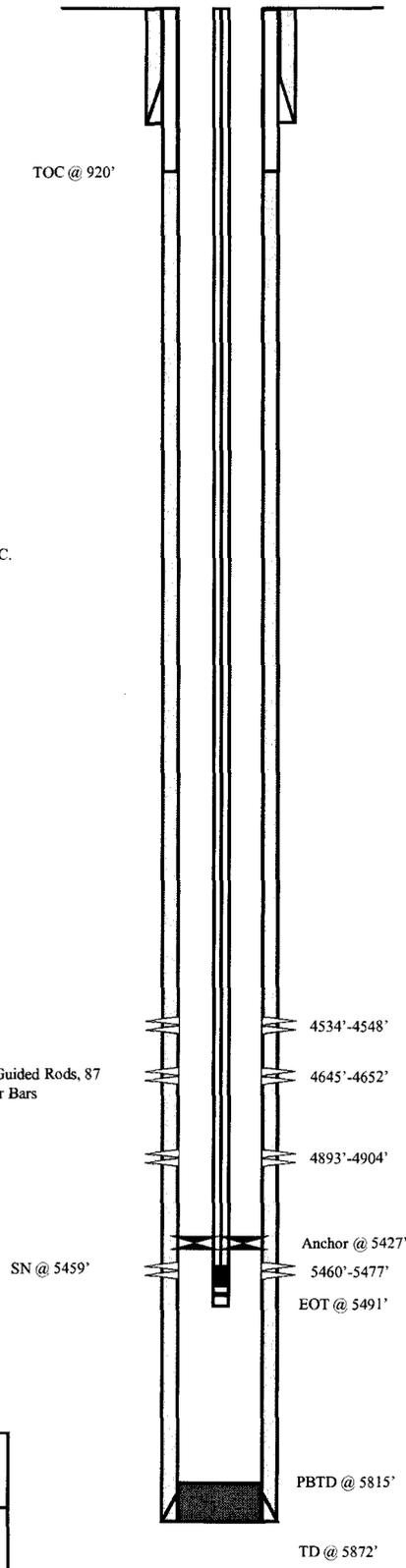
CSG SIZE: 5-1/2"
 GRADE: K-55
 WEIGHT: 15.5#
 LENGTH: 138 jts. (5870.46')
 DEPTH LANDED: 5867'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 325 sxs Dowell HiLift & 475 sxs 10-0 PFC.
 CEMENT TOP: 920' per CBL 7/17/82

TUBING (KS 8/25/10)

SIZE/GRADE/WT.: 2-3/8" / J-55 / 4.7#
 NO. OF JOINTS: 181 jts (5413.8')
 TUBING ANCHOR: 5426.8'
 NO. OF JOINTS: 1 jt (29.5')
 SEATING NIPPLE: 2-3/8" (1.10')
 SN LANDED AT: 5459.1'
 NO. OF JOINTS: 1 jt (30.1')
 NOTCHED COLLAR: 2-3/8" (0.5')
 TOTAL STRING LENGTH: EOT @ 5491'

SUCKER RODS (KS 8/28/10)

POLISHED ROD: 1-1/4" x 16' Polished Rods
 SUCKER RODS: 2 x 2', 4', 6' x 3/4" Pony Rods, 85 x 3/4" 4per Guided Rods, 87 x 3/4" Sucker Rods, 41 x 3/4" 4per Guided Rods, 4 x 1-1/2" Sinker Bars
 PUMP SIZE: 2" x 1-1/4" x 12' x 16' RHAC
 STROKE LENGTH: 62"
 PUMP SPEED, SPM: 3.7
 PUMPING UNIT: LUFKIN C-160D-173-74



FRAC JOB

Date	Depth Range	Details
7/19/82	5460'-5477'	Frac zone as follows: 30,500# 20/40 + 6,000# 10-20 sand in 643 bbls Ver 140 fluid. Treated @ avg press of 1650 psi w/avg rate of 15 BPM. ISIP 1620 psi.
8/09/82	4893'-4904'	Frac zone as follows: 19,500# 20/40 + 6,000# 10-20 sand in 560 bbls Ver 140 fluid. Treated @ avg press of 2000 psi w/avg rate of 10 BPM. ISIP 2120 psi.
8/21/82	4534'-4652'	Frac zone as follows: 44,500# 20/40 + 12,000# 10-20 sand in 905 bbls Ver 140 fluid. Treated @ avg press of 2600 psi w/avg rate of 15 BPM. ISIP 1920 psi.
11/6/01		Tbg leak. Update rod and tubing details.
11/20/01		Pump change. Update rod details.
5-31-05		Pump change. Update rod details.
8/18/09		Tubing Leak. Updated rod & tubing detail.
8/26/2010		Parted rods. Updated rod and tubing detail.

PERFORATION RECORD

Depth Range	Completion Type	Holes
4534'-4548'	2 JSPF	28 holes
4645'-4652'	2 JSPF	14 holes
4893'-4904'	2 JSPF	22 holes
5460'-5477'	2 JSPF	34 holes

NEWFIELD

Castle Peak #24-15-9-16
 659' FSL & 1980' FWL
 SESW Section 15-T9S-R16E
 Duchesne Co, Utah
 API #43-013-30631; Lease #U-74805

Castle Peak Fed. #22-15-9-16

Spud Date: 2/05/82
 Put on Production: 4/08/82
 GL: 5722' KB: 5735'

Initial Production: 175 BOPD,
 53 MCFD, 172 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: K-55
 WEIGHT: 24#
 LENGTH: 7 jts. (278.53')
 DEPTH LANDED: 291' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 225 sxs Class "H" cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

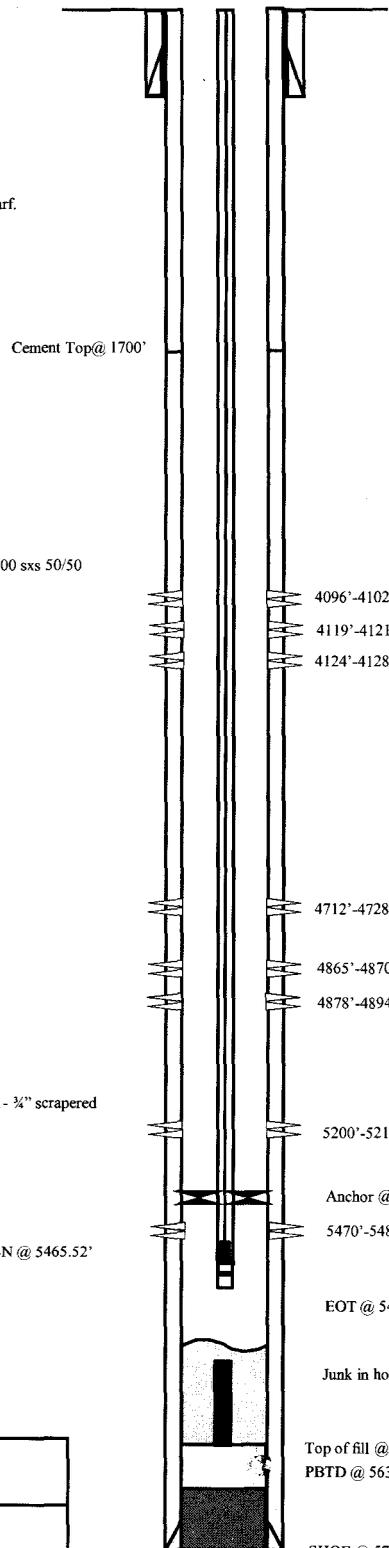
CSG SIZE: 5-1/2"
 GRADE: K-55
 WEIGHT: 15.5#
 LENGTH: 146 jts. (5699.31')
 DEPTH LANDED: 5712' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 400 sxs Prem. Lite, 200 sxs Class "H" & 200 sxs 50/50 POZ.
 CEMENT TOP AT: 1700' per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55
 NO. OF JOINTS: 174 jts (5418.62')
 TUBING ANCHOR: 5431.62'
 NO. OF JOINTS: 1 jt (31.10')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5465.52'
 NO. OF JOINTS: 1 jt (31.28')
 TOTAL STRING LENGTH: EOT @ 5498.35'

SUCKER RODS

POLISHED ROD: 1-1/4" x 16'
 SUCKER RODS: 100- 3/4" scrappered rods, 71- 3/4" plain rods, 41- 3/4" scrappered rods, 6- 1 1/2" weight rods.
 PUMP SIZE: 2-1/2" x 1-1/2" x 15.5" RHAC w/ 126" SL
 STROKE LENGTH: 62"
 PUMP SPEED, SPM: 4 SPM



FRAC JOB

Date	Depth	Details
3/21/82	5470'-5484'	Frac zone as follows: 40,000# 20/40 sand + 10,000# 10/20 sand in 714 bbls frac fluid. Treated @ avg press of 1550 psi w/avg rate of 16 BPM. ISIP 1690 psi. Calc. flush: 5470 gal. Actual flush: 6370 gal.
3/23/82	5200'-5212'	Frac zone as follows: 30,000# 20/40 sand + 10,000# 10/20 sand in 654 bbls frac fluid. Treated @ avg press of 2350 psi w/avg rate of 16 BPM. ISIP 2370 psi. Calc. flush: 5200 gal. Actual flush: 5360 gal.
3/25/82	4865'-4894'	Frac zone as follows: 52,500# 20/40 sand + 12,000# 10/20 sand in 904 bbls frac fluid. Treated @ avg press of 1700 psi w/avg rate of 21 BPM. ISIP 1770 psi. Calc. flush: 4865 gal. Actual flush: 5000 gal.
3/27/82	4712'-4728'	Frac zone as follows: 62,500# 20/40 sand + 10,000# 10/20 sand in 940 bbls frac fluid. Treated @ avg press of 1960 psi w/avg rate of 15 BPM. ISIP 2100 psi. Calc. flush: 4712 gal. Actual flush: 5255 gal.
12/28/94		Pump change. Update rod and tubing details.
11/15/02	4096'-4128'	Frac GB6 sands as follows: 44,620# of 20/40 sand in 362 bbls Viking I-25 fluid. Treated @ ave. pressure of 1925 psi w/ ave rate of 25.4 BPM. ISIP - 2025 psi. Calc. flush: 4096 gals. Actual flush: 3990 gals.
6/24/04		Tubing leak. Update tubing details.
9/14/07		Tubing Leak. Updated rod & tubing details.

PERFORATION RECORD

Date	Depth	Tool	Holes
3/21/82	5470'-5484'	2 JSFP	29 holes
3/24/82	5200'-5212'	2 JSFP	25 holes
3/25/82	4865'-4870'	2 JSFP	11 holes
3/25/82	4878'-4894'	2 JSFP	33 holes
3/26/82	4712'-4728'	2 JSFP	33 holes
11/13/02	4124'-4128'	4 JSFP	16 holes
11/13/02	4119'-4121'	4 JSFP	8 holes
11/13/02	4096'-4102'	4 JSFP	24 holes

NEWFIELD

Castle Peak Fed. #22-15-9-16

2125' FNL & 2006' FEL
 SENW Section 15-T9S-R16E
 Duchesne Co, Utah
 API #43-013-30634; Lease #U-017985

Castle Peak Federal 33-15-9-16

Spud Date: 4/8/82
 Put on Production: 6/2/82
 GL: 5745' KB: 5759'

Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: K-55
 WEIGHT: 24#
 LENGTH: 6 jts. (243.35')
 DEPTH LANDED: 253' GL
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 200 sxs Class "G" cmt w/ 2% CaCl & 1/4# sx Flocele

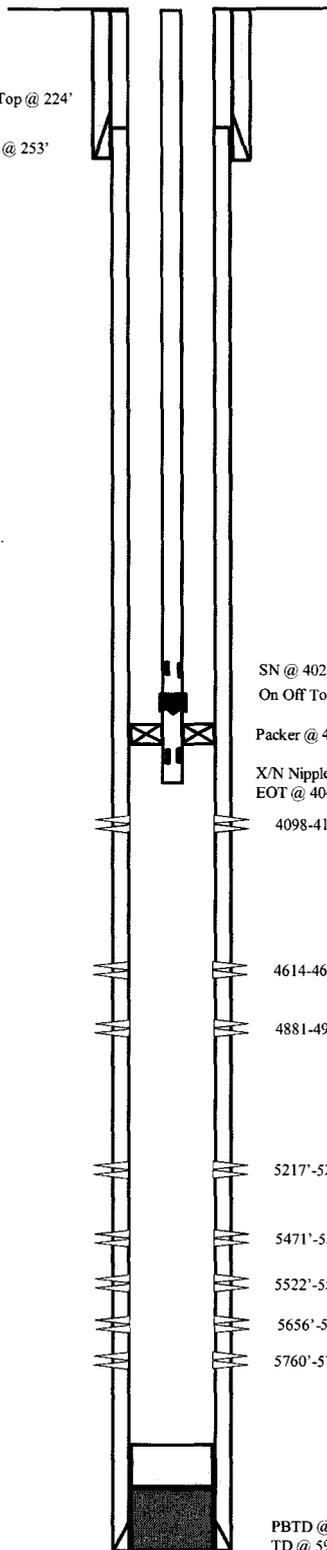
PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: K-55
 WEIGHT: 15.5#
 LENGTH: 143 jts. (5981')
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 645 sxs class G & 750 sxs 10.0 RFC w/ additives.
 DEPTH LANDED: 5979'
 CEMENT TOP AT 224' PER CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 132 jts (4010.88')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4025.8' KB
 ON/OFF TOOL AT: 4026.9'
 ARROW #1 PACKER CE AT: 4031.9'
 TBG PUP 2-3/8 J-55 AT: 4035.8'
 X/N NIPPLE AT: 4039.9'
 TOTAL STRING LENGTH: EOT @ 4041'

Cement Top @ 224'
 per CBL
 Casing Shoe @ 253'



FRAC JOB

5/18/82	5217-5230'	w/Western. 20000 gal Apollo 40 w/28500 # 20-40 sand & 12000# 10-20 sand. ATR 10 BPM @ 2500 psi, max 2600 psi. ISIP @ 2450 psi 15-2200 psi, 20-2200 psi
5/16/82	5471-5543'	w/Western. 50000 gal Apollo 40 w/ 75000 # 20-40 sand & 20000# 10-20 sand. ATR 20 BPM @ 1700 psi, max 1800 psi. ISIP @ 1700 psi 15-1600 psi, 20-1550 psi
5/14/82	5656-5776'	w/Western. 3850 gal Apollo 40 w/ 3200 # 20-40 sand. 8 Ball sealers pumped, sand screened out before balls hit perf. ATR 10 BPM @ 1600 psi, max 3800 psi. ISIP @ 800 psi 15-0.

ACID JOBS

5217-5230'	1000 gal 7.5% HCl
5471-5543'	2000 gal 7.5% HCl
5656-5776'	1000 gal 7.5% HCl
11/19/08	Tubing Leak. Updated rod & tubing details.
1/19/2010	Tubing Leak. Updated rod and tubing detail.
10/04/13	4881-4920' Frac B2 sand as follows: 50000# 20/40 sand in 424 bbls Lightning 17 frac fluid.
10/04/13	4614-4639' Frac D2 sand as follows: 35000# 20/40 sand in 354 bbls Lightning 17 frac fluid
10/04/13	4098-4134' Frac GB6 sand as follows: 14980# 20/40 sand in 188 bbls Lightning 17 frac fluid
10/10/13	Conversion MIT Finalized - update tbg detail

SN @ 4026'
 On Off Tool @ 4027'
 Packer @ 4032'
 X/N Nipple @ 4040'
 EOT @ 4041'

4098-4134'
 4614-4639'
 4881-4920'
 5217'-5230'
 5471'-5505'
 5522'-5543'
 5656'-5664'
 5760'-5776'

PERFORATION RECORD

5217-5230'	2 JSPF	26 holes
5471-5505'	2 JSPF	68 holes
5522-5543'	2 JSPF	42 holes
5656-5664'	2 JSPF	16 holes
5760-5776'	1 JSPF	16 holes
4881-4920'	3 JSPF	117 holes
4614-4639'	3 JSPF	75 holes
4098-4134'	3 JSPF	108 holes

PBTD @ 5934'
 TD @ 5980'

NEWFIELD

Castle Peak Federal 33-15-9-16

FSL & FEL
 NW/SE Section 15-T9S-R16E
 Duchesne Co, Utah
 API #43-013-30632; Lease #UTU-017985

NEWFIELD

Schematic

43-013-32958

Well Name: Federal 2-22-9-16

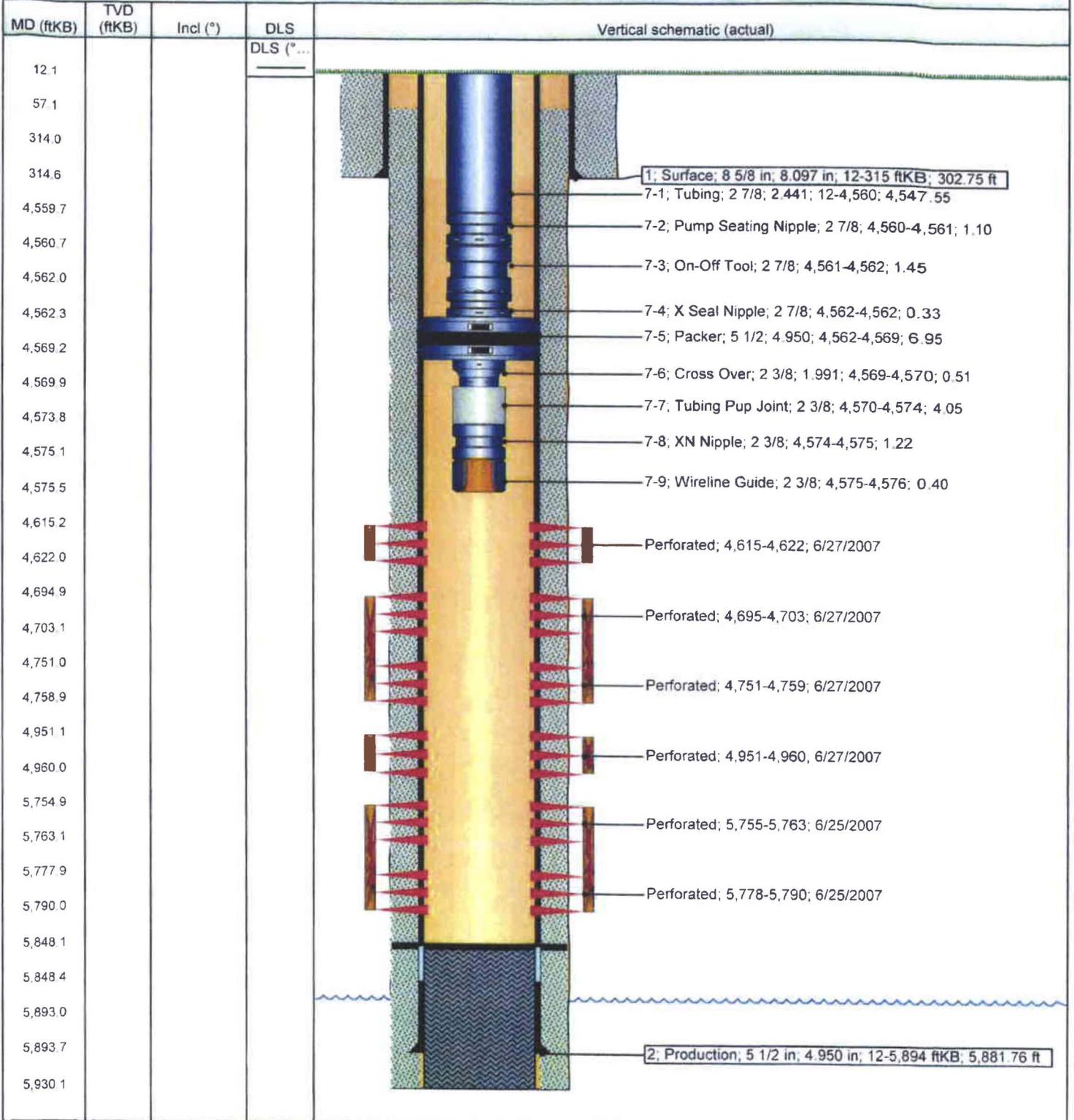
Surface Legal Location 22-9S-16E		API/UWI 43013329580000	Well RC 500158554	Lease	State/Province Utah	Field Name GMBU CTB6	County DUCHESNE
Spud Date 5/23/2007	Rig Release Date 6/8/2007	On Production Date 7/3/2007	Original KB Elevation (ft) 5,872	Ground Elevation (ft) 5,860	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB) Original Hole - 5,848.0	

Most Recent Job

Job Category Production / Workover	Primary Job Type Conversion	Secondary Job Type Basic	Job Start Date 7/18/2014	Job End Date 7/29/2014
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TD: 5,930.0

Vertical - Original Hole, 7/30/2014 1:27:41 PM



Well Name: Federal 12-15-9-16

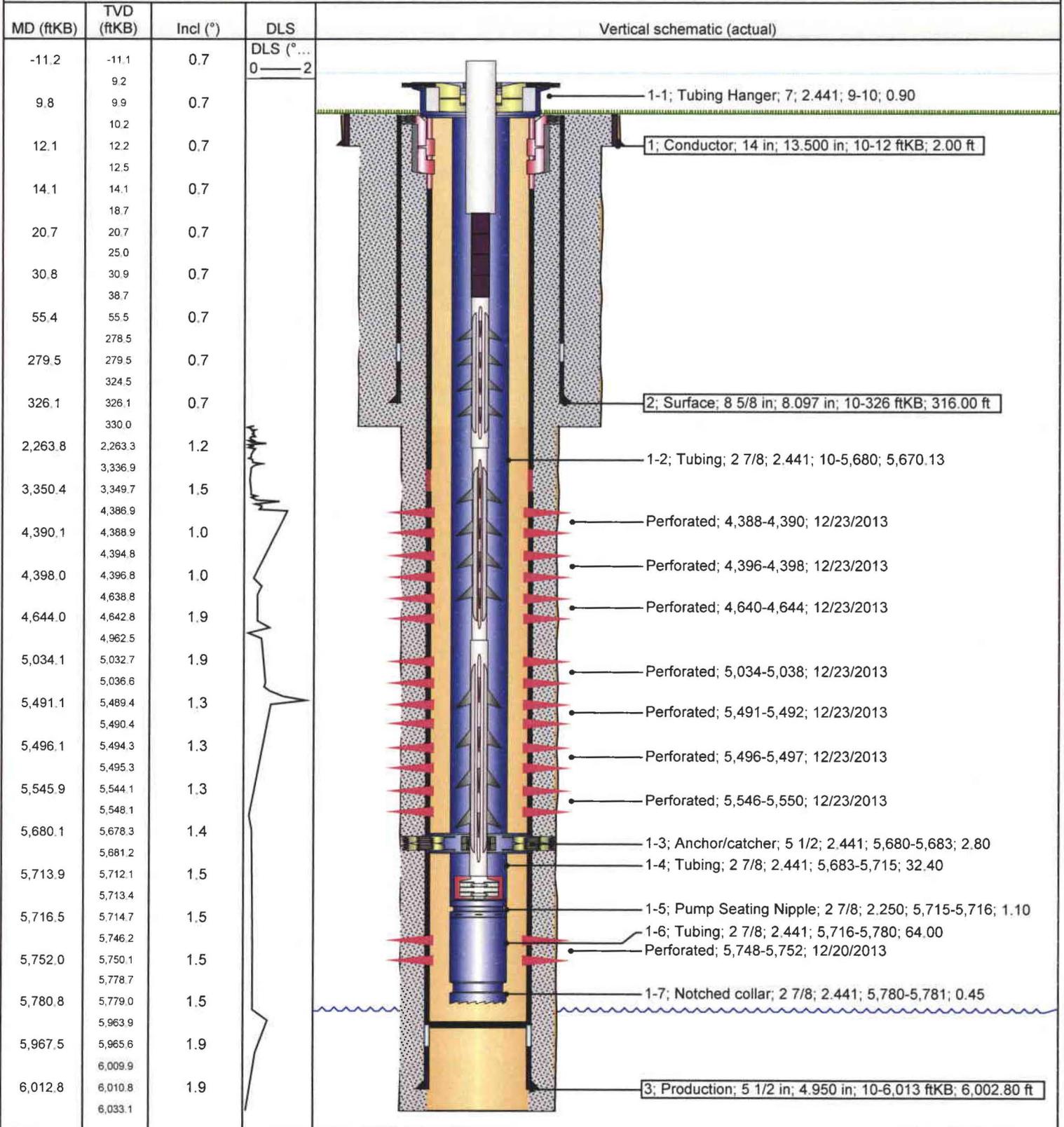
Surface Legal Location NWSW 1639 FSL 362 FWL Sec 15 T9S R16E		API/UWI 43013504290000	Well RC 500162753	Lease UTU79834	State/Province Utah	Field Name GMBU CTB5	County Duchesne
Spud Date 11/21/2013	Rig Release Date 12/6/2013	On Production Date 1/3/2014	Original KB Elevation (ft) 5,845	Ground Elevation (ft) 5,835	Total Depth All (TVD) (ftKB) Original Hole - 6,033.0	PBTD (All) (ftKB) Original Hole - 5,965.9	

Most Recent Job

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 12/20/2013	Job End Date 1/3/2014
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TD: 6,035.0

Vertical - Original Hole, 1/21/2014 1:47:40 PM



Monument Fed. 23-15-9-16

Spud Date: 10/06/93
 Put on Production: 11/30/93
 Put on Injection: 11/11/94

Initial Production: 40 BOPD,
 200 MCFD, 56 BWPD

GL: 5828' KB: 5838'

Injection Wellbore Diagram

SURFACE CASING

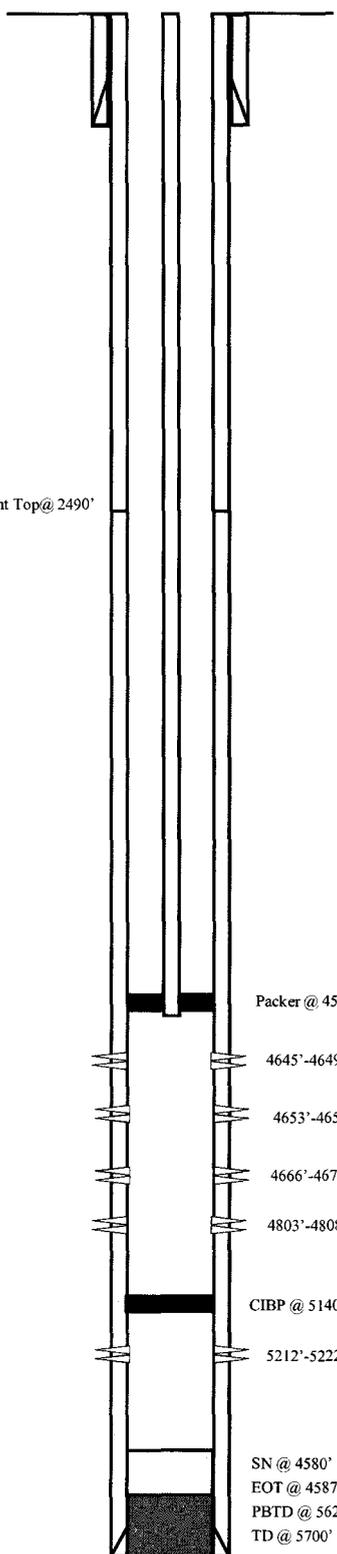
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 6 jts. (270.52')
 DEPTH LANDED: 278.25' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 150 sxs Class "G" cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: K-55
 WEIGHT: 15.5#
 LENGTH: 130 jts. (5666.71')
 DEPTH LANDED: 5675.71' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 100 sxs Hi-Fill & 250 sxs 50/50 POZ.
 CEMENT TOP AT: 2490' per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 148 jts (4569.94')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4580.99' KB
 2 7/8" x 2 3/8" CROSSOVER: 4581.74' KB
 PACKER: 4587.94' KB
 TOTAL STRING LENGTH: EOT @ 4587.94'



FRAC JOB

11/03/93	5212'-5222'	Frac zone as follows: 20,700# 16/30 sand in 380 bbls. 2% KCl. Screened out.
11/11/93	4645'-4808'	Frac zone as follows: 39,890# 16/30 sand in 637 bbl KCl. Avg. treating press. 2800 psi @ 19.5 BPM. ISIP: 1890 psi. Calc. flush: 4645 gal. Actual flush: 4494 gal.
07/15/05		5 YR MIT
06/21/10		5 YR MIT

PERFORATION RECORD

Date	Depth Range	Tool	Holes
11/01/93	5216'-5220'	2 JSPF	08 holes
11/03/93	5212'-5222'	4 JSPF	40 holes
11/09/93	4803'-4808'	1 JSPF	05 holes
11/09/93	4666'-4672'	1 JSPF	04 holes
11/09/93	4653'-4655'	1 JSPF	02 holes
11/09/93	4645'-4649'	1 JSPF	03 holes
10/12/94	4666'-4672'	2 JSPF	12 holes
10/12/94	4653'-4655'	2 JSPF	04 holes
10/12/94	4645'-4649'	2 JSPF	08 holes



Monument Fed. #23-15-9-16
 1724' FSL & 2078' FWL
 NESW Section 15-T9S-R16E
 Duchesne Co, Utah
 API #43-013-31373; Lease #UTU-76241

Monument Federal 32-15J-9-16

Spud Date: 10/02/93
 Put on Production: 11/20/93
 Put on Injection: 11/11/94
 GL: 5681' KB: 5691'

Initial Production: 20 BOPD,
 120 MCFD, 0 BWPD

Injection Wellbore
 Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 6 jts. (268.89')
 DEPTH LANDED: 276.69' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 150 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

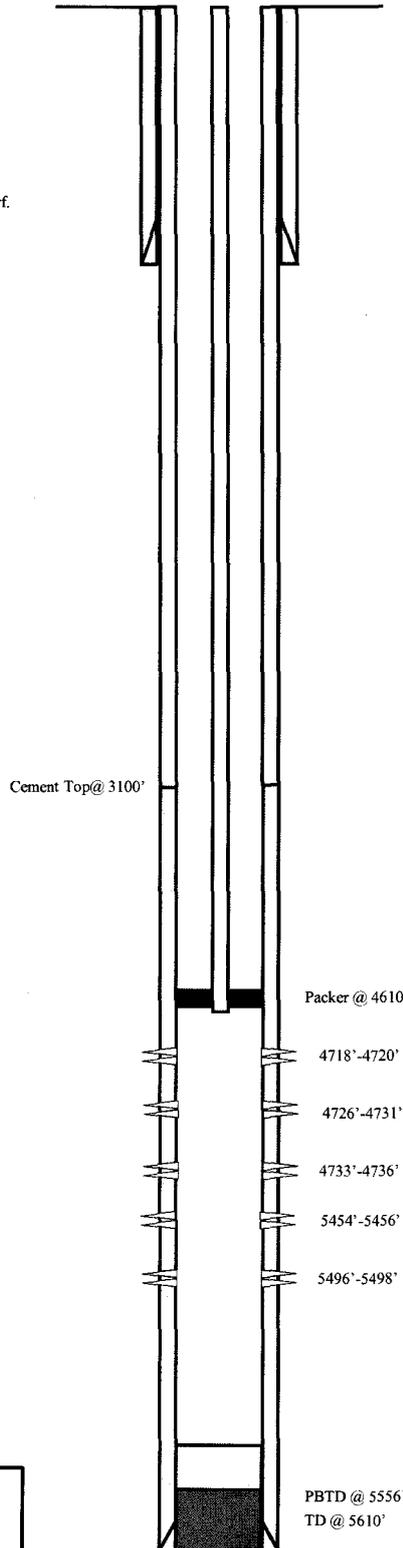
CSG SIZE: 5-1/2"
 GRADE: K-55
 WEIGHT: 15.5#
 LENGTH: 129 jts. (5608.14')
 DEPTH LANDED: 5602.14'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 113 sxs Hi-Lift & 249 sxs Class "G".
 CEMENT TOP AT: 3100' per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55
 NO. OF JOINTS: 149 jts (4592.73')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4603.83' KB
 2 7/8" x 2 3/8" CROSSOVER: 4604.43' KB
 PACKER: 4610.63' KB
 TOTAL STRING LENGTH: EOT @ 4610.63'

FRAC JOB

10/25/93 5496'-5498' Acidize zone as follows:
 250 gal. 15% HCl.
 10/27/93 5454'-5456' Acidize zone as follows:
 250 gal. 15% HCl.
 10/28/93 4718'-4736' Frac zone as follows:
 28,000# 20/40 sand in 335 bbl 2% KCl. Avg.
 treating press. 2100 psi @ 20 BPM. ISIP
 1800 psi. Calc. flush: 4718 gal. Actual flush:
 4744 gal.
 07/15/05 5 YR MIT
 9-16-08 Zone Stimulation. Updated tubing details.
 06/21/10 5 YR MIT



PERFORATION RECORD

Date	Depth Range	Tool Joint	Holes
10/25/93	5496'-5498'	2 JSPP	04 holes
10/26/93	5496'-5498'	2 JSPP	04 holes
10/26/93	5454'-5456'	2 JSPP	08 holes
10/27/93	4733'-4736'	2 JSPP	06 holes
10/27/93	4726'-4731'	2 JSPP	10 holes
10/27/93	4718'-4720'	2 JSPP	04 holes

NEWFIELD

Monument Fed. 32-15-9-16
 1868' FNL & 1993' FEL
 SWNE Section 15-T9S-R16E
 Duchesne Co, Utah
 API #43-013-31368; Lease #UTU-017985

NEWFIELD

Schematic

43-013-31647

Well Name: Mon 11-22-9-16

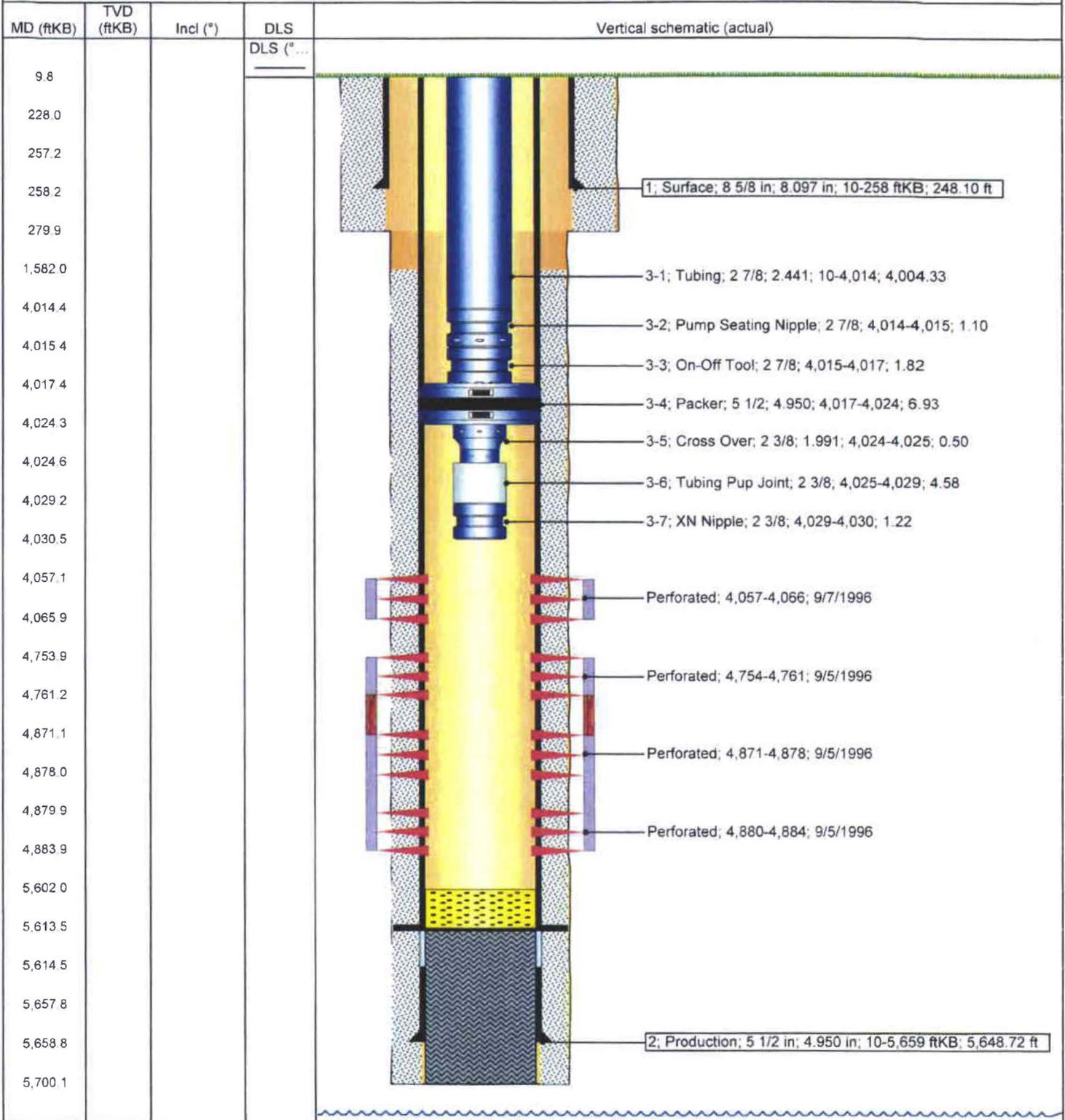
Surface Legal Location 22-9S-16E		API/UWI 43013316470000	Well RC 500151005	Lease	State/Province Utah	Field Name GMBU CTB6	County DUCHESNE
Spud Date 8/19/1996	Rig Release Date 8/27/1996	On Production Date 9/26/1996	Original KB Elevation (ft) 5,927	Ground Elevation (ft) 5,917	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB) Original Hole - 5,613.5	

Most Recent Job

Job Category Production / Workover	Primary Job Type Conversion	Secondary Job Type Basic	Job Start Date 6/12/2014	Job End Date 6/17/2014
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TD: 5,700.0

Vertical - Original Hole, 6/24/2014 8:22:18 AM



Jonah Federal 9-15-9-16

Spud Date: 6-1-05
 Put on Production: 7-7-05
 GL: 5698' KB: 5710'

Initial Production: 77 BOPD,
 11 MCFD, 59 BWPD

Injection Wellbore Diagram

SURFACE CASING

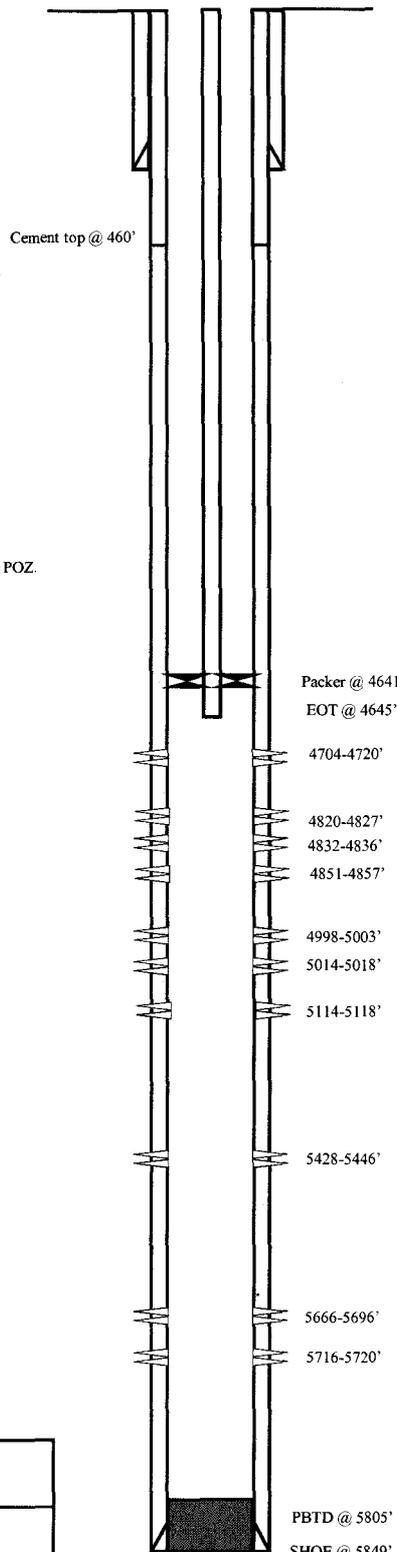
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jnts (302.72')
 DEPTH LANDED: 314.57' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 138 jnts (5836.02')
 DEPTH LANDED: 5849.27' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
 CEMENT TOP AT: 460'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 148 jnts (4436.14')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4636.14' KB
 TOTAL STRING LENGTH: EOT @ 4644.69' KB



FRAC JOB

6-30-05	5666-5696'	Frac CP5 & CP4 sands as follows: 70165# 20/40 sand in 559 bbls Lightning 17 frac fluid. Treated @ avg press of 1230 psi w/avg rate of 24.5 BPM. ISIP 1800 psi. Calc flush: 5664 gal. Actual flush: 5670 gal.
6-30-05	5428-5446'	Frac CP1 sands as follows: 57169# 20/40 sand in 486 bbls Lightning 17 frac fluid. Treated @ avg press of 1346 psi w/avg rate of 24.5 BPM. ISIP 1900 psi. Calc flush: 5426 gal. Actual flush: 5418 gal.
7-1-05	4998-5118'	Frac LODC, A1, A3 sands as follows: 34026# 20/40 sand in 343 bbls Lightning 17 frac fluid. Treated @ avg press of 1820 psi w/avg rate of 24.5 BPM. ISIP 2500 psi. Calc flush: 5996 gal. Actual flush: 4738 gal.
7-1-05	4820-4857'	Frac B2 sands as follows: 49623# 20/40 sand in 426 bbls Lightning 17 frac fluid. Treated @ ave. pressure of 1590 24.5 BPM. ISIP 2000 psi. Calc flush: 4818 gal. Actual flush: 4578 gal.
7-1-05	4704-4720'	Frac C sands as follows: 88671# 20/40 sand in 632 bbls Lightning 17 frac fluid. 24.5 BPM. Treated @ ave. pressure of 1714 ISIP 2000 psi. Calc flush: 4402 gal. Actual flush: 4607 gal.
11/14/06		Well converted to an Injection well.
11/21/06		MIT completed and submitted.

PERFORATION RECORD

6-24-05	5666-5696'	4 JSPF	120 holes
6-24-05	5716-5720'	4 JSPF	16 holes
6-30-05	5428-5446'	4 JSPF	72 holes
6-30-05	5114-5118'	4 JSPF	16 holes
6-30-05	5014-5018'	4 JSPF	16 holes
6-30-05	4998-5003'	4 JSPF	20 holes
7-1-05	4851-4857'	4 JSPF	24 holes
7-1-05	4832-4836'	4 JSPF	16 holes
7-1-05	4820-4827'	4 JSPF	28 holes
7-1-05	4704-4720'	4 JSPF	64 holes

NEWFIELD

Jonah Federal 9-15-9-16

1724' FSL & 782' FEL
 NE/SE Section 15-T9S-R16E
 Duchesne Co, Utah
 API #43-013-32683; Lease #UTU-017985

Jonah Federal 16-15-9-16

Spud Date: 12/28/05
 Put on Production: 02/02/06
 GL: 5704' KB: 5716'

Injection Wellbore Diagram

SURFACE CASING

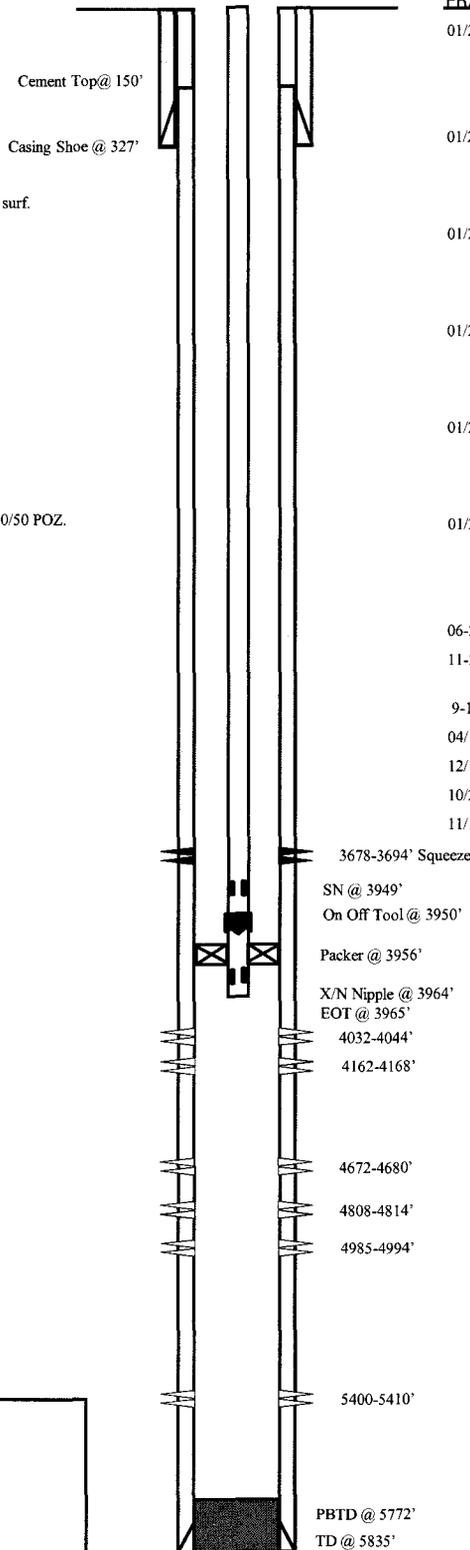
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (315.16')
 DEPTH LANDED: 327.01' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 136 jts. (5818.63')
 DEPTH LANDED: 5817.88' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 350 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.
 CEMENT TOP: 150'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 138 jts (3937')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 3949' KB
 ON/OFF TOOL AT: 3950.1'
 ARROW #1 PACKER CE AT: 3956.2'
 XO 2-3/8 x 2-7/8 J-55 AT: 3959.2'
 TBG PUP 2-3/8 J-55 AT: 3959.7'
 X/N NIPPLE AT: 3963.9'
 TOTAL STRING LENGTH: EOT @ 3965.49'



FRAC JOB

01/25/06	5400-5410'	Frac CP1 sands as follows: 14789# 20/40 sand in 255 bbls Lightning 17 frac fluid. Treated @ avg press of 1785 psi w/avg rate of 25.1 BPM. ISIP 1850 psi. Calc flush: 5398 gal. Actual flush: 4872 gal.
01/25/06	4985-4994'	Frac A3 sands as follows: 18508# 20/40 sand 284 bbls Lightning 17 frac fluid. Treated @ avg press of 1845 psi w/avg rate of 25.1 BPM. ISIP 1870 psi. Calc flush: 4983 gal. Actual flush: 4992 gal.
01/25/06	4808-4814'	Frac B2 sands as follows: 23613# 20/40 sand in 319 bbls Lightning 17 frac fluid. Treated @ avg press of 2375 psi w/avg rate of 25.1 BPM. ISIP 2600 psi. Calc flush: 4806 gal. Actual flush: 4284 gal.
01/25/06	4672-4680'	Frac C sands as follows: 61018# 20/40 sand in 480 bbls Lightning 17 frac fluid. Treated @ avg press of 2005 psi w/avg rate of 25 BPM. ISIP 2240 psi. Calc flush: 4670 gal. Actual flush: 4116 gal.
01/25/06	4032-4044'	Frac PB8, GB6 sands as follows: 29328# 20/40 sand in 330 bbls Lightning 17 frac fluid. Treated @ avg press of 1813 psi w/avg rate of 25.1 BPM. ISIP 1835 psi. Calc flush: 4030 gal. Actual flush: 3486 gal.
01/25/06	3678-3694'	Frac GG sands as follows: 48534# 20/40 sand in 390 bbls Lightning 17 frac fluid. Treated @ avg press of 1700 psi w/avg rate of 25.1 BPM. ISIP 1840 psi. Calc flush: 3676 gal. Actual flush: 3570 gal.
06-26-06		Parted Rods: Update rod and tubing details.
11-27-06		Pump Change: Updated rod and tubing detail.
9-12-07		Pump change: Updated rod & tubing details.
04/17/08		Pump change: Updated rod & tubing details.
12/11/09		Tubing leak: Updated rod and tubing details.
10/29/13	3678-3694'	Cmt Squeeze – 100 sxs Class G Cement
11/15/13		Conversion MIT Finalized – update tbg detail

PERFORATION RECORD

Date	Interval	Tool	Holes
01/18/06	5400-5410'	4 JSPF	40 holes
01/25/06	4985-4994'	4 JSPF	36 holes
01/25/06	4808-4814'	4 JSPF	24 holes
01/25/06	4672-4680'	4 JSPF	32 holes
01/25/06	4162-4168'	4 JSPF	24 holes
01/25/06	4032-4044'	4 JSPF	48 holes
01/25/06	3678-3694'	4 JSPF	64 holes Squeezed



Jonah Federal 16-15-9-16
 512' FSL & 535' FEL
 SE/SE Section 15-T9S-R16E
 Duchesne Co, Utah
 API #43-013-32754; Lease #UTU-17985

Jonah 15-15-9-16

Spud Date: 01/07/06
 Put on Production: 02/07/06
 GL: 5758' KB: 5770'

Initial Production: BOPD,
 MCFD, BWPD

Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (311.55')
 DEPTH LANDED: 323.40' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 3 bbls cmt to surf.

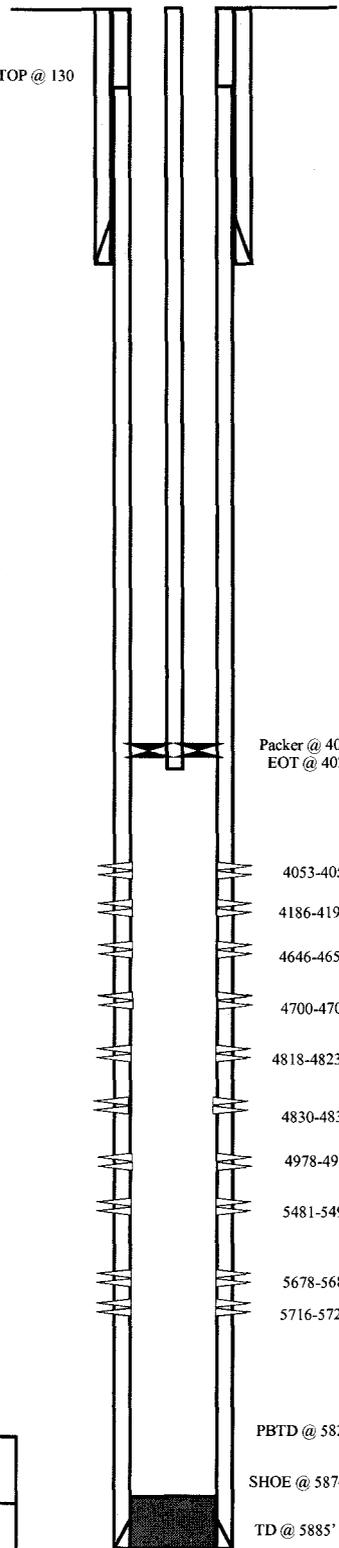
PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 139 jts. (5874.99')
 DEPTH LANDED: 5874.24' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 350 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.
 CEMENT TOP @ 130

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55
 NO. OF JOINTS: 123 jts (4000.93')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4014.03'
 TOTAL STRING LENGTH: EOT @ 4021.42'

CEMENT TOP @ 130



FRAC JOB

01/31/06	5678-5722'	Frac CP4, CP5 sands as follows: 30113# 20/40 sand in 388 bbls Lightning 17 frac fluid. Treated @ avg press of 1859 psi w/avg rate of 25.2 BPM. ISIP 2050 psi. Calc flush: 5676 gal. Actual flush: 5141 gal.
01/31/06	5481-5494'	Frac CP2 sands as follows: 50320# 20/40 sand in 436 bbls Lightning 17 frac fluid. Treated @ avg press of 1616 psi w/avg rate of 25.2 BPM. ISIP 1900 psi. Calc flush: 5479 gal. Actual flush: 4872 gal.
01/31/06	4978-4983'	Frac A3 sands as follows: 19771# 20/40 sand in 295 bbls Lightning 17 frac fluid. Treated @ avg press of 2420 psi w/avg rate of 25.3 BPM. ISIP 2150 psi. Calc flush: 4976 gal. Actual flush: 4452 gal.
01/31/06	4818-4835'	Frac B2 sands as follows: 25033# 20/40 sand in 331 bbls Lightning 17 frac fluid. Treated @ avg press of 1958 psi w/avg rate of 25 BPM. ISIP 1850 psi. Calc flush: 4816 gal. Actual flush: 4284 gal.
01/31/06	4646-4657'	Frac D3, C, sands as follows: 98438# 20/40 sand in 701 bbls Lightning 17 frac fluid. Treated @ avg press of 2161 psi w/avg rate of 25.1 BPM. ISIP 2300 psi. Calc flush: 4644 gal. Actual flush: 4074 gal.
02/01/06	4186-4190'	Frac PB7 sands as follows: 19753# 20/40 sand in 267 bbls Lightning 17 frac fluid. Treated @ avg press of 2643 psi w/avg rate of 24.8 BPM. ISIP 2650 psi. Calc flush: 4184 gal. Actual flush: 3654 gal.
02/01/06	4053-4059'	Frac GB6 sands as follows: 17961# 20/40 sand in 262 bbls Lightning 17 frac fluid. Treated @ avg press of 2240 psi w/avg rate of 25 BPM. ISIP 1900 psi. Calc flush: 4051 gal. Actual flush: 3948 gal.
04/13/07	Pump Change	Update Rod & Tubing Pump change. Updated rod & tubing detail.
05-21-08		Workover. Updated rod and tubing detail
10/16/08		Well converted to an Injection well.
10/28/08		MIT completed and submitted.

PERFORATION RECORD

01/27/06	5716-5722'	4 JSPF	24 holes
01/27/06	5678-5685'	4 JSPF	28 holes
01/31/06	5481-5494'	4 JSPF	52 holes
01/31/06	4978-4983'	4 JSPF	20 holes
01/31/06	4830-4835'	4 JSPF	20 holes
01/31/06	4818-4828'	4 JSPF	20 holes
01/31/06	4700-4708'	4 JSPF	32 holes
01/31/06	4646-4657'	4 JSPF	44 holes
01/31/06	4186-4190'	4 JSPF	16 holes
02/01/06	4053-4059'	4 JSPF	24 holes

NEWFIELD

Jonah 15-15-9-16

421' FSL & 1864' FEL
 SW/SE Section 15-T9S-R16E
 Duchesne Co, Utah
 API #43-013-32753; Lease #UTU-17985

GMBU H-15-9-16

Spud Date: 11/02/2011
 Put on Production: 12/22/2011
 GL: 5747' KB: 5760'

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7jts. (320.22')
 DEPTH LANDED: 331.22'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, circ. 5 bbls to surf.

PRODUCTION CASING

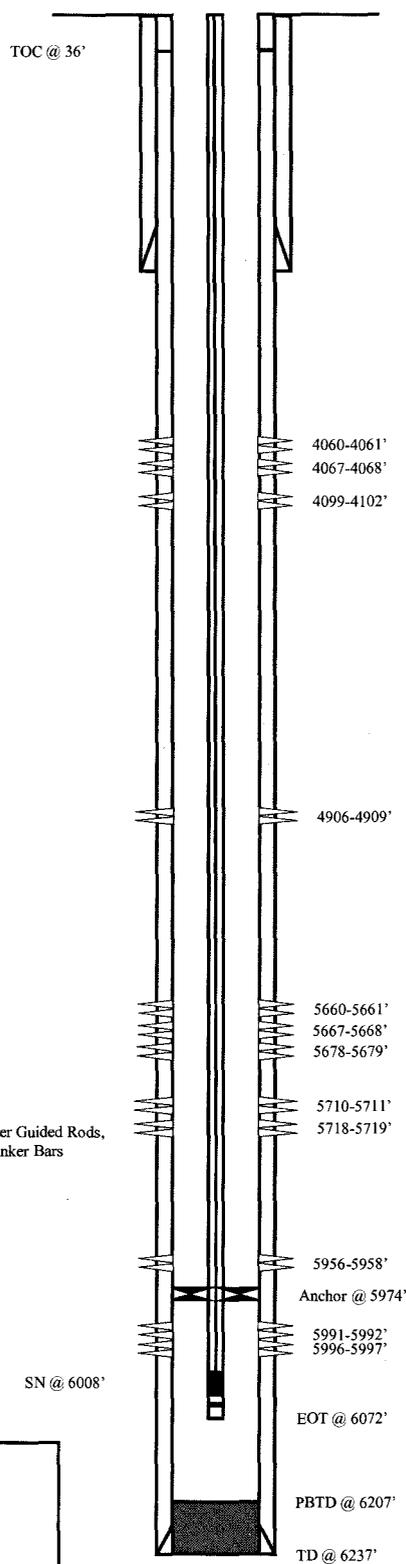
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 149 jts. (6207.5') Includes Shoe Jt. (17.77')
 DEPTH LANDED: 6227.82'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 240 sxs Premlite II & 455 sxs 50/50 POZ.
 CEMENT TOP @: 36' per CBL 12/5/11

TUBING (KS 10/2/12)

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 191 jts. (5960.8')
 TUBING ANCHOR: 5973.8'
 NO. OF JOINTS: 1 jt. (31.5')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 6008.1'
 NO. OF JOINTS: 2 jts. (62.6')
 NOTCHED COLLAR: 6071.8' (0.5')
 TOTAL STRING LENGTH: EOT @ 6072'

SUCKER RODS (KS 10/2/12)

POLISHED ROD: 1-1/2" x 30' Polished Rod
 SUCKER RODS: 2', 4', 6', 8' x 7/8" Pony Rods, 72 x 7/8" 4per Guided Rods, 160 x 3/4" 4per Guided Rods, 5 x 1" Stabilizer Bars, 5 x 1-1/2" Sinker Bars
 PUMP SIZE: 2-1/2" x 1-1/4" x 20' x 24' RHAC
 STROKE LENGTH: 146"
 PUMP SPEED: 5.0 SPM
 PUMPING UNIT: DARCO C-640-365-168



FRAC JOB

12/05/2011	5956-5997'	Frac CP5, sands as follows: Frac with 18380# of 20/40 white sand in 195 lightning 17 frac fluid; 380 bbls total fluid to recover.
12/09/2011	5660-5719'	Frac CP1 & CP2, sands as follows: Frac with 64995# of 20/40 white sand in 836 lightning 17 frac fluid; 985 bbls total fluid to recover.
12/09/2011	4906-4909'	Frac C, sands as follows: Frac with 15216# in 20/40 white sand in 202 bbls lightning 17 frac fluid; 333 bbls total fluid to recover.
12/09/2011	4060-4102'	Frac GG2 Lime & GB2, sands as follows: Frac with 52859# 20/40 white sand in 394 bbls lightning 17 frac fluid; 541 bbls total fluid to recover.

PERFORATION RECORD

5996-5997'	3 JSPP	3 holes
5991-5992'	3 JSPP	3 holes
5956-5958'	3 JSPP	6 holes
5718-5719'	3 JSPP	3 holes
5710-5711'	3 JSPP	3 holes
5678-5679'	3 JSPP	3 holes
5667-5668'	3 JSPP	3 holes
5660-5661'	3 JSPP	3 holes
4906-4909'	3 JSPP	9 holes
4099-4102'	3 JSPP	9 holes
4067-4068'	3 JSPP	3 holes
4060-4061'	3 JSPP	3 holes

NEWFIELD



GMBU H-15-9-16

572' FNL & 2097' FEL (NW/NE)
 Section 15, T9S, R16E
 Duchesne County, Utah
 API #43-013-50639; Lease # UTU-017985

NEWFIELD

GMBU M-15-9-16 Monument Butte - Duchesne County, Utah, USA

Surf Location: NE/SW - Sec 15, T9S, R16E; 1,907' FNL & 2,015' FEL

Paul Lambcke

5904' GL + 10' KB

PFM 4/9/2013

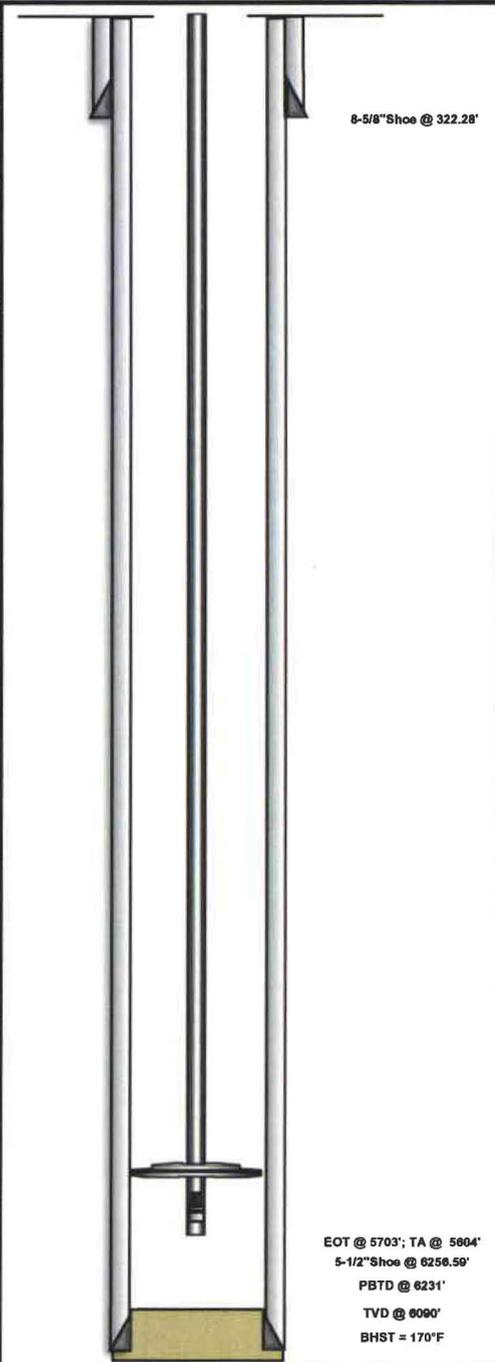
API#: 43-013-51153; Lease #: UTU-017985

Spud Date: 9/25/2012; PoP Date: 2/5/2013

Casing Detail	Casing	Top	Bottom	Size	Wt	Grade	Drift	Burst	Collapse	ID	gal/ft	Coupling	Hole
	Surf	10'	322'	8-5/8"	24#	J-55	7.972"	2,950	1,370	8.097"	2.6740	STC	12.250
Prod	10'	6,257'	5-1/2"	15.5#	J-55	4.825"	4,810	4,040	4.950"	0.9997	LTC	7.875	

TBO. Detail	Top	Bottom	Coupling	Size	Wt.	Grade	Drift	Burst	Collapse	ID	Packer/Hanger	
	10'	5,703'	BEUE	2-7/8"	6.5#	J-55	2.347"	7,260	7,660	2.441"	Tubing Anchor Set @ 5,604'	

ROD DETAIL	Component	Top	Bottom	Size	Grade	Length	Count	Pump	
	Polish Rod	0'	30'	1 1/2"	Spray Metal	30'	1	Insert Pump: 2.5 Max ID x 1.75 Plunger RHBC @ 5,632' Pump #2218 (2.5-1.75-RHAC-20-4-21-24) w/ 4' SM plunger & 224" max stroke	
Pony Rod	30'	32'	7/8"	Tenaris D78	2'	1			
4per Guided Rod	32'	1,982'	7/8"	Tenaris D78	1,950'	78			
4per Guided Rod	1,982'	4,932'	3/4"	Tenaris D78	2,950'	118			
8per Guided Rod	4,932'	5,632'	7/8"	Tenaris D78	700'	28			



Stage	Top	Bottom	SPF	EHD	Date	Frac Summary			
	6	3,989'	4,000'	3	0.34	1/22/2013	Formation:	GB6 GB4 GB2	
4,007'		4,008'	3	0.34	1/22/2013	20/40 White:	56,732 lbs	15% HCl:	0 gals
4,039'		4,040'	3	0.34	1/22/2013	Pad:	1,428 gals	Treating Fluid:	17,976 gals
4,045'		4,046'	3	0.34	1/22/2013	Flush:	3,990 gals	Load to Recover:	23,394 gals
4,107'		4,108'	3	0.34	1/22/2013	ISIP=	1,988 psi	Max STP:	3,744 psi
4,112'		4,114'	3	0.34	1/22/2013				
5	4,387'	4,390'	3	0.34	1/21/2013	Formation:	PB11 PB10		
	4,420'	4,424'	3	0.34	1/21/2013	20/40 White:	45,103 lbs	15% HCl:	504 gals
	0'	0'	3	0.00	-	Pad:	7,980 gals	Treating Fluid:	14,994 gals
	0'	0'	3	0.00	-	Flush:	4,368 gals	Load to Recover:	27,846 gals
	0'	0'	3	0.00	-	ISIP=	2,131 psi	Max STP:	3,240 psi
	0'	0'	3	0.00	-				
4	4,779'	4,780'	3	0.34	1/21/2013	Formation:	C-Sand D3		
	4,824'	4,825'	3	0.34	1/21/2013	20/40 White:	89,511 lbs	15% HCl:	504 gals
	4,832'	4,834'	3	0.34	1/21/2013	Pad:	3,024 gals	Treating Fluid:	20,790 gals
	0'	0'	3	0.00	-	Flush:	4,788 gals	Load to Recover:	29,106 gals
	0'	0'	3	0.00	-	ISIP=	2,228 psi	Max STP:	3,515 psi
	0'	0'	3	0.00	-				
3	4,960'	4,962'	3	0.34	1/21/2013	Formation:	B2		
	4,968'	4,971'	3	0.34	1/21/2013	20/40 White:	69,103 lbs	15% HCl:	504 gals
	0'	0'	3	0.00	-	Pad:	1,344 gals	Treating Fluid:	19,194 gals
	0'	0'	3	0.00	-	Flush:	4,956 gals	Load to Recover:	25,988 gals
	0'	0'	3	0.00	-	ISIP=	1,924 psi	Max STP:	2,478 psi
	0'	0'	3	0.00	-				
2	5,108'	5,110'	3	0.34	1/21/2013	Formation:	LODC A3		
	5,245'	5,246'	3	0.34	1/21/2013	20/40 White:	80,514 lbs	15% HCl:	504 gals
	5,260'	5,262'	3	0.34	1/21/2013	Pad:	5,796 gals	Treating Fluid:	18,480 gals
	0'	0'	3	0.00	-	Flush:	5,208 gals	Load to Recover:	29,988 gals
	0'	0'	3	0.00	-	ISIP=	2,375 psi	Max STP:	3,355 psi
	0'	0'	3	0.00	-				
1	5,575'	5,576'	3	0.34	1/18/2013	Formation:	CP2 CP1		
	5,584'	5,586'	3	0.34	1/18/2013	20/40 White:	75,414 lbs	15% HCl:	756 gals
	5,616'	5,620'	3	0.34	1/18/2013	Pad:	2,772 gals	Treating Fluid:	19,866 gals
	0'	0'	3	0.00	-	Flush:	5,586 gals	Load to Recover:	28,980 gals
	0'	0'	3	0.00	-	ISIP=	1,756 psi	Max STP:	3,770 psi
	0'	0'	3	0.00	-				

EOT @ 5703'; TA @ 5604'
5-1/2" Shoe @ 6256.59'
PBTD @ 6231'
TVD @ 6090'
BHST = 170°F

CEMENT	Surf	On 9/25/12 Baker cemented 8 5/8" casing w/ 160 sks Class "C" + 2% KCl + 0.25#/sk Cello Flake at 15.8 ppg w/ 1.17 yield and returned 5 bbls to the pit.
	Prod	On 10/18/12 Baker pumped 216 sks lead @ 11 ppg w/ 3.53 yield plus 480 sks tail @ 14.4 ppg w/ 1.24 yield. Returned 30 bbls to the pit. TOC @ Surface.

NEWFIELD

GMBU R-15-9-16 Monument Butte - Duchesne County, Utah, USA

Surf Location: NW/SE - Sec 15, T9S, R10E; 2296' FSL & 1811' FEL

5747' GL + 10' KB

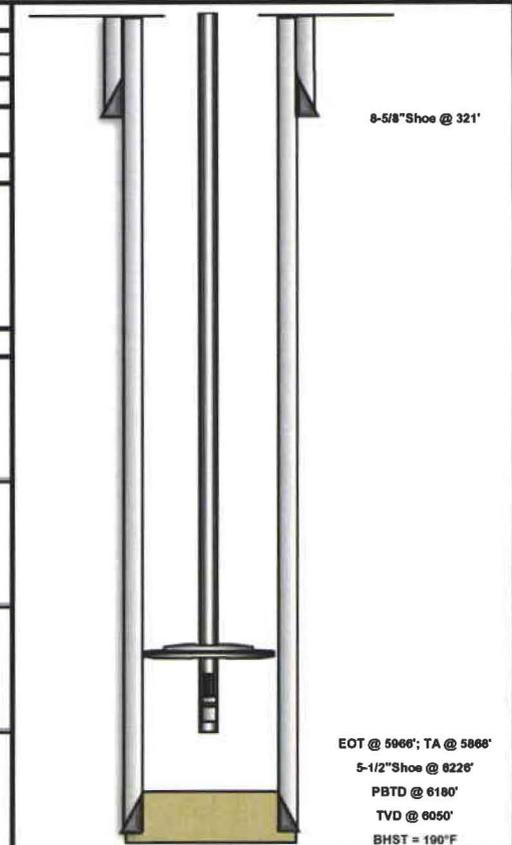
AP#: 43-013-51150; Lease#: UTU-017985

Paul Lembcke

DLB 5/10/13

Spud Date: 2/7/13; PoP Date: 3/28/13

CASING DETAIL	Casing	Top	Bottom	Size	Wt	Grade	Drift	Burst	Collapse	ID	gal/R	Coupling	Hole
	Surf	10'	321'	8.625	24#	J-55	7.972"	2,950	1,370	8.097"	2.6749	STC	12.250
	Prod	10'	6,226'	5.500	15.5#	J-55	4.825"	4,810	4,040	4.950"	0.9997	LTC	7.875
TSG. DETAIL	Top	Bottom	Coupling	Size	Wt.	Grade	Drift	Burst	Collapse	ID	Packer/Hanger		
	10'	5,966'	8EUE	2-7/8"	6.5#	J-55	2.347"	7,260	7,680	2.441"	Tubing Anchor Set @ 5,868'		
ROD DETAIL	Component		Top	Bottom	Size	Grade	Length	Count	Pump				
	Pony Rod			2'	7/8"	Tenaris D78	2'	1	Insert Pump: 2.5 Max ID x 1.75 Plunger RHAC @ 5,896'				
	Polish Rod		2'	32'	1 1/2"	4140	30'	1					
	Pony Rod		32'	46'	7/8"	Tenaris D78	14'	1					
	4per Guided Rod		46'	2,021'	7/8"	Tenaris D78	1,975'	79					
	4per Guided Rod		2,021'	5,146'	3/4"	Tenaris D78	3,125'	125					
8per Guided Rod		5,146'	5,896'	7/8"	Tenaris D78	750'	30						
Stage	Top	Bottom	SPF	EHD	Date	Frac Summary							
4	4,812'	4,816'	3	0.34	3/14/2013	Formation:	D3						
						20/40 White:	42,047 lbs	15% HCl:	0 gals				
						Pad:	2,570 gals	Treating Fluid:	9,847 gals				
						Flush:	4,817 gals	Load to Recover:	17,234 gals				
						ISIP=	1.053 psi/ft	Max STP:	3,463 psi				
3	4,946'	4,948'	3	0.34	3/14/2013	Formation:	B2	B1					
	4,952'	4,954'	3	0.34	3/14/2013	20/40 White:	45,250 lbs	15% HCl:	504 gals				
	4,994'	4,996'	3	0.34	3/14/2013	Pad:	2,335 gals	Treating Fluid:	12,401 gals				
						Flush:	4,864 gals	Load to Recover:	20,104 gals				
						ISIP=	0.887 psi/ft	Max STP:	2,963 psi				
2	5,138'	5,140'	3	0.34	3/14/2013	Formation:	A3	A1					
	5,152'	5,154'	3	0.34	3/14/2013	20/40 White:	37,155 lbs	15% HCl:	504 gals				
	5,158'	5,160'	3	0.34	3/14/2013	Pad:	2,197 gals	Treating Fluid:	8,871 gals				
						Flush:	5,195 gals	Load to Recover:	16,767 gals				
						ISIP=	0.857 psi/ft	Max STP:	3,273 psi				
1	5,648'	5,649'	3	0.34	3/14/2013	Formation:	CP5	CP2					
	5,656'	5,658'	3	0.34	3/14/2013	20/40 White:	53,233 lbs	15% HCl:	756 gals				
	5,664'	5,665'	3	0.34	3/14/2013	Pad:	8,165 gals	Treating Fluid:	11,671 gals				
	5,804'	5,806'	3	0.34	3/14/2013	Flush:	5,624 gals	Load to Recover:	25,964 gals				
						ISIP=	0.745 psi/ft	Max STP:	3,464 psi				
CEMENT	Surf	On 2/7/13 BJ cemented 8 5/8" casing w/ 175 sks Class "G" + 2% KCl + 0.25#/sk Cello Flake at 15.8 ppg w/ 1.17 yield and returned 1 bbls to the pit.											
	Prod	On 2/25/13 Halliburton pumped 260 sks lead @ 11 ppg w/ 2.7 yield plus 460 sks tail @ 14.4 ppg w/ 1.21 yield. Returned 47 bbls to the pit. TOC @ 424'.											



EOT @ 5966'; TA @ 5868'
5-1/2" Shoe @ 6226'
PBTD @ 6180'
TVD @ 6050'
BHST = 190°F

NEWFIELD

GMBU S-15-9-16 Monument Butte - Duchesne County, Utah, USA

Surf Location: NW/SE - Sec 15, T9S, R10E; 2314' FSL & 1799' FEL

5747' GL + 10' KB

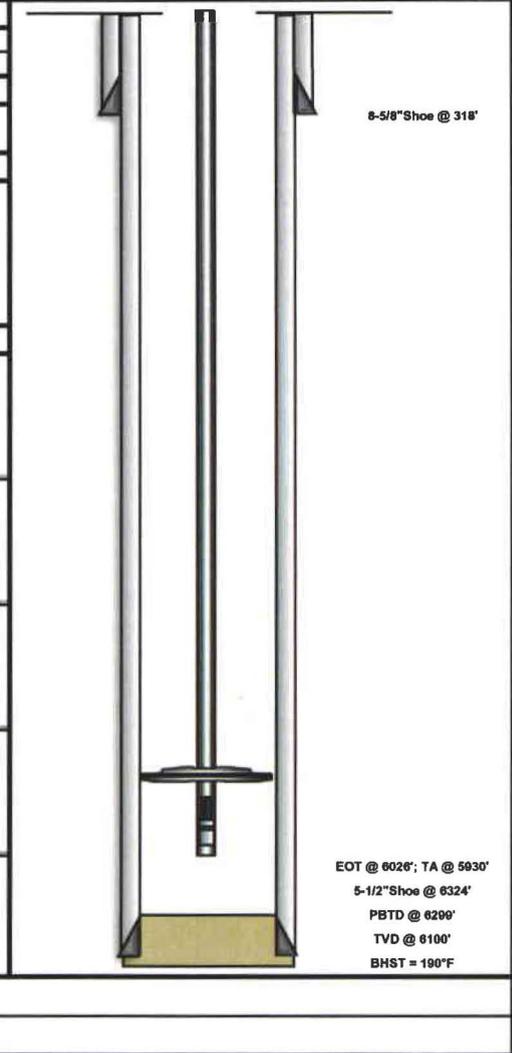
API# 43-013-51151; Lease# UTU-017985

Paul Lambcke

DLB 5/10/13

Spud Date: 2/6/13; PoP Date: 3/29/13

Casing Detail	Casing	Top	Bottom	Size	Wt	Grade	Drift	Burst	Collapse	ID	gal/R	Coupling	Hole
	Surf	10'	318'	8.625	24#	J-55	7.972"	2,950	1,370	8.097"	2.6749	STC	12.250
Prod	10'	6,324'	5.500	15.5#	J-55	4.825"	4,810	4,040	4.950"	0.9997	LTC	7.875	
Tbg. Detail	Top	Bottom	Coupling	Size	Wt.	Grade	Drift	Burst	Collapse	ID	Packer/Hanger		
	10'	6.026'	8EUE	2-7/8"	6.5#	J-55	2.347"	7.260	7.660	2.441"	Tubing Anchor Set @ 5,930'		
Rod Detail	Component		Top	Bottom	Size	Grade	Length	Count	Pump				
	Pony Rod			2'	7/8"	Tenaris D78	2'	1	Insert Pump: 2.5 Max ID x 1.75 Plunger RHAC @ 5,959'				
	Polish Rod		2'	32'	1 1/2"	4140	30'	1					
	Pony Rod		32'	34'	7/8"	Tenaris D78	2'	1					
	4per Guided Rod		34'	2.084'	7/8"	Tenaris D78	2.050'	82					
	4per Guided Rod		2.084'	5.209'	3/4"	Tenaris D78	3.125'	125					
	8per Guided Rod		5.209'	5.959'	7/8"	Tenaris D78	750'	30					
8per Guided Rod		5.209'	5.959'	7/8"	Tenaris D78	750'	30						
Stage	Top	Bottom	SPF	EHD	Date	Frac Summary							
5	4,748'	4,750'	3	0.34	3/13/2013	Formation:	C-Sand	D3	D1				
	4,845'	4,846'	3	0.34	3/13/2013	20/40 White:	89,895 lbs	15% HCl:	0 gals				
	4,905'	4,907'	3	0.34	3/13/2013	Pad:	529 gals	Treating Fluid:	21,357 gals				
	4,910'	4,912'	3	0.34	3/13/2013	Flush:	5,116 gals	Load to Recover:	27,002 gals				
						ISIP=	0.933 psi/ft	Max STP:	2,912 psi				
4	5,018'	5,019'	3	0.34	3/13/2013	Formation:	B2						
	5,024'	5,025'	3	0.34	3/13/2013	20/40 White:	70,961 lbs	15% HCl:	500 gals				
	5,036'	5,038'	3	0.34	3/13/2013	Pad:	1,361 gals	Treating Fluid:	17,071 gals				
	5,052'	5,054'	3	0.34	3/13/2013	Flush:	5,017 gals	Load to Recover:	23,949 gals				
						ISIP=	0.836 psi/ft	Max STP:	2,668 psi				
3	5,181'	5,182'	3	0.34	3/13/2013	Formation:	LODC	A1	A3				
	5,212'	5,214'	3	0.34	3/13/2013	20/40 White:	50,036 lbs	15% HCl:	500 gals				
	5,324'	5,328'	3	0.34	3/13/2013	Pad:	722 gals	Treating Fluid:	12,697 gals				
						Flush:	5,200 gals	Load to Recover:	19,119 gals				
						ISIP=	0.871 psi/ft	Max STP:	3,713 psi				
2	5,638'	5,640'	3	0.34	3/13/2013	Formation:	CP1	CP-Half					
	5,678'	5,681'	3	0.34	3/13/2013	20/40 White:	25,722 lbs	15% HCl:	500 gals				
						Pad:	1,092 gals	Treating Fluid:	7,735 gals				
						Flush:	5,699 gals	Load to Recover:	15,027 gals				
						ISIP=	0.751 psi/ft	Max STP:	3,481 psi				
1	5,926'	5,928'	3	0.34	3/12/2013	Formation:	CP5	CP4					
	5,946'	5,948'	3	0.34	3/12/2013	20/40 White:	88,554 lbs	15% HCl:	1,890 gals				
	5,950'	5,952'	3	0.34	3/12/2013	Pad:	5,393 gals	Treating Fluid:	23,704 gals				
						Flush:	12,020 gals	Load to Recover:	41,617 gals				
						ISIP=	0.719 psi/ft	Max STP:	3,540 psi				
CEMENT	Surf	On 2/7/13 Pro Petro cemented 8 5/8" casing w/ 175 sks Class "G" + 2% KCl + 0.25#/sk Cello Flake at 15.8 ppg w/ 1.17 yield and returned 8 bbls to the pit.											
	Prod	On 2/21/13 Halliburton pumped 260 sks lead @ 11 ppg w/ 2.71 yield plus 465 sks tail @ 14.4 ppg w/ 1.21 yield. Returned 42 bbls to the pit. TOC @ 584'.											



EOT @ 6026'; TA @ 5930'
5-1/2" Shoe @ 6324'
PBTD @ 6209'
TVD @ 6100'
BHST = 190°F

NEWFIELD

GMBU V-15-9-16

Monument Butte - Duchesne County; Utah, USA

Surface Legal Location: NE/NE Section 22, T9S, R16E; 907' FNL & 959' FEL

Elevation: 5746' GL + 10' KB

API Number: 43-013-51674; Lease Number: UTU-74392

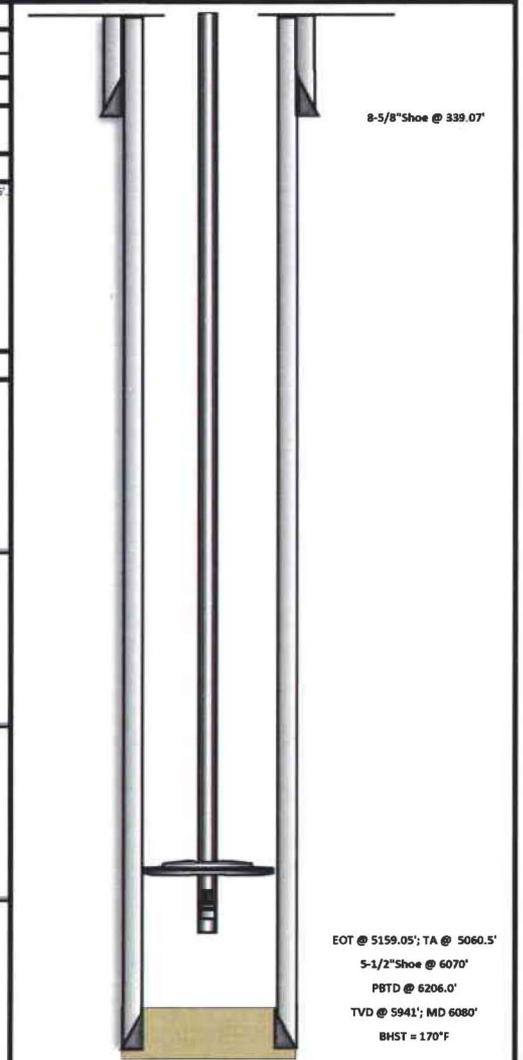
Paul Lembcke

PFM 1/22/2013

Spud Date: 5/3/13

PoP Date: 6/10/2013

Casing Detail	Casing	Top	Bottom	Size	Wt.	Grade	Drift	Burst	Collapse	ID	gal/ft	Coupling	Hole
	Surf	10'	339'	8-5/8"	24#	J-55	7.972"	2,950	1,370	8.097"	2.6749	STC	12.250
Prod	10'	6,070'	5-1/2"	15.5#	J-55	4.825"	4,810	4,040	4.950"	0.9997	LTC	7.875	
Tubing Detail	Top	Bottom	Coupling	Size	Wt.	Grade	Drift	Burst	Collapse	ID	Packer/Hanger		
	10'	5,159'	8EUE	2-7/8"	6.5#	J-55	2.347"	7,260	7,680	2.441"	Tubing Anchor Set @	5,061'	
Rod Detail	Component		Top	Bottom	Size	Grade	Length	Count	Pump				
	Polish Rod		0'	30'	1 1/2"	C(API)	30	1	Insert Pump: 2.5" Max ID x 1.75" Plunger RHAC @ 5096'				
	Pony Rod		30'	32'	7/8"	C(API)	2	1	#NF2417				
	Pony Rod		32'	38'	7/8"	C(API)	6	1					
	Pony Rod		38'	46'	7/8"	C(API)	8	1					
	Upper Guided Rod		46'	1,621'	7/8"	Tenaris D78	1575	63					
	Lower Guided Rod		1,621'	4,346'	3/4"	Tenaris D78	2725	109					
Upper Guided Rod		4,346'	5,096'	7/8"	Tenaris D78	750	30						
Stage	Top	Bottom	SPF	EHD	Date	Frac Summary							
4	0'	0'	3	-	-	Formation:	PB8	GB6					
	0'	0'	3	-	-	20/40 White:	43,695 lbs	15% HCl:	0 gals				
	0'	0'	3	-	-	Pad:	2,470 gals	Treating Fluid:	10,609 gals				
	0'	0'	3	-	-	Flush:	4,154 gals	Load to Recover:	17,233 gals				
	4,137'	4,138'	3	0.34	5/29/2013	ISIP=	0.850 psi/ft	Max STP:	2,911 psi				
	4,293'	4,295'	3	0.34	5/29/2013								
3	0'	0'	3	-	-	Formation:	C-Sand						
	0'	0'	3	-	-	20/40 White:	34,145 lbs	15% HCl:	504 gals				
	0'	0'	3	-	-	Pad:	2,701 gals	Treating Fluid:	8,481 gals				
	0'	0'	3	-	-	Flush:	4,788 gals	Load to Recover:	16,474 gals				
	0'	0'	3	-	-	ISIP=	0.878 psi/ft	Max STP:	3,263 psi				
	4,784'	4,786'	3	0.34	5/29/2013								
2	0'	0'	3	-	-	Formation:	B2						
	0'	0'	3	-	-	20/40 White:	74,723 lbs	15% HCl:	588 gals				
	0'	0'	3	-	-	Pad:	3,595 gals	Treating Fluid:	19,404 gals				
	0'	0'	3	-	-	Flush:	4,931 gals	Load to Recover:	28,518 gals				
	4,918'	4,920'	3	0.34	5/29/2013	ISIP=	0.840 psi/ft	Max STP:	3,678 psi				
	4,928'	4,930'	3	0.34	5/29/2013								
1	0'	0'	3	-	-	Formation:	A1						
	0'	0'	3	-	-	20/40 White:	24,330 lbs	15% HCl:	756 gals				
	0'	0'	3	-	-	Pad:	4,893 gals	Treating Fluid:	6,623 gals				
	0'	0'	3	-	-	Flush:	1,768 gals	Load to Recover:	14,040 gals				
	0'	0'	3	-	-	ISIP=	0.826 psi/ft	Max STP:	3,625 psi				
	5,074'	5,080'	3	0.34	5/29/2013								
CEMENT	Surf	On 5/7/13 Baker cemented 8 5/8" casing w/ 160 sks Class "G" + 2% KCl + 0.25#/sk Cello Flake at 15.8 ppg w/ 1.17 yield and returned 7 bbis to the pit.											
	Prod	On 5/12/13 Baker pumped 260 sks lead @ 11 ppg w/ 3.53 yield plus 475 sks tail @ 14.4 ppg w/ 1.24 yield. Returned 33 bbis to the pit. TOC @44'.											



EOT @ 5159.05'; TA @ 5060.5'
 5-1/2" Shoe @ 6070'
 PBTD @ 6206.0'
 TVD @ 5941'; MD 6080'
 BHST = 170°F

Federal 13-15-9-16

Spud Date: 5-21-07
 Put on Production: 6-25-07
 GL: 5840' KB: 5858'

Injection Wellbore Diagram

SURFACE CASING

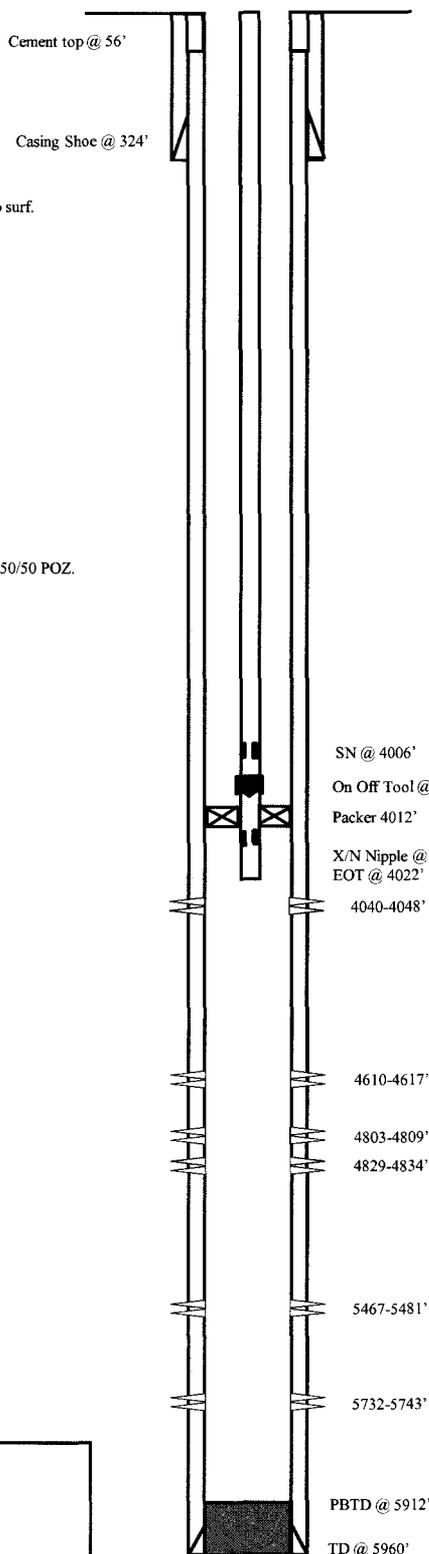
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jnts (312.81')
 DEPTH LANDED: 323.71' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 1bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 135 jts. (5899.55')
 DEPTH LANDED: 5944.14' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.
 CEMENT TOP AT: 56'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 128 jts (3994.3')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4006.3' KB
 ON/OFF TOOL AT: 4007.4'
 SEAL NIPPLE AT: 4008.9'
 ARROW #1 PACKER CE AT: 4012.5'
 XO 2-3/8 x 2-7/8 J-55 AT: 4016.2'
 TBG PUP 2-3/8 J-55 AT: 4016.7'
 X/N NIPPLE AT: 4020.7'
 TOTAL STRING LENGTH: EOT @ 4022'



FRAC JOB

6-19-07	5732-5743'	Frac CP5 sands as follows: 4000# 20/40 sand in 406 bbls Lightning 17 frac fluid. Treated @ avg press of 1700 psi w/avg rate of 22.2 BPM. ISIP 1980 psi. Calc flush: 5730 gal. Actual flush: 5145 gal.
6-19-07	5467-5481'	Frac CP1 sands as follows: 50251# 20/40 sand in 432 bbls Lightning 17 frac fluid. Treated @ avg press of 1294 psi w/avg rate of 23.3 BPM. ISIP 1690 psi. Calc flush: 5465 gal. Actual flush: 4872 gal.
6-19-07	4829-4809'	Frac B1 & B.5 sands as follows: 14309# 20/40 sand in 248 bbls Lightning 17 frac fluid. Treated @ avg press of 1801 psi w/avg rate of 23.4 BPM. ISIP 1810 psi. Calc flush: 4827 gal. Actual flush: 4221 gal.
6-19-07	4610-4617'	Frac D1 sands as follows: 25018# 20/40 sand in 338 bbls Lightning 17 frac fluid. 21.8 BPM. ISIP 1990 psi. Calc flush: 4608 gal. Actual flush: 4011 gal.
6-19-07	4040-4048'	Frac GB4 sands as follows: 28952# 20/40 sand in 294 bbls Lightning 17 frac fluid. 24.7 BPM. ISIP 1723 psi. Calc flush: 4038 gal. Actual flush: 3948 gal.
09/22/12		Convert to Injection Well
09/25/12		Conversion MIT Finalized - update tbg detail

PERFORATION RECORD

6-13-07	5732-5743'	4 JSPF	36 holes
6-19-07	5467-5481'	4 JSPF	56 holes
6-19-07	4829-4834'	4 JSPF	20 holes
6-19-07	4803-4809'	4 JSPF	20 holes
6-19-07	4610-4617'	4 JSPF	28 holes
6-19-07	4040-4048'	4 JSPF	32 holes



Federal 13-15-9-16
 717' FSL & 469' FWL
 SW/SW Section 15-T9S-R16E
 Duchesne Co, Utah
 API #43-013-33136; Lease #UTU-39713

Federal 3-22-9-16

Spud Date: 5-31-07
 Put on Production: 7-4-07
 GL: 5866' KB: 5878'

Injection Wellbore Diagram

SURFACE CASING

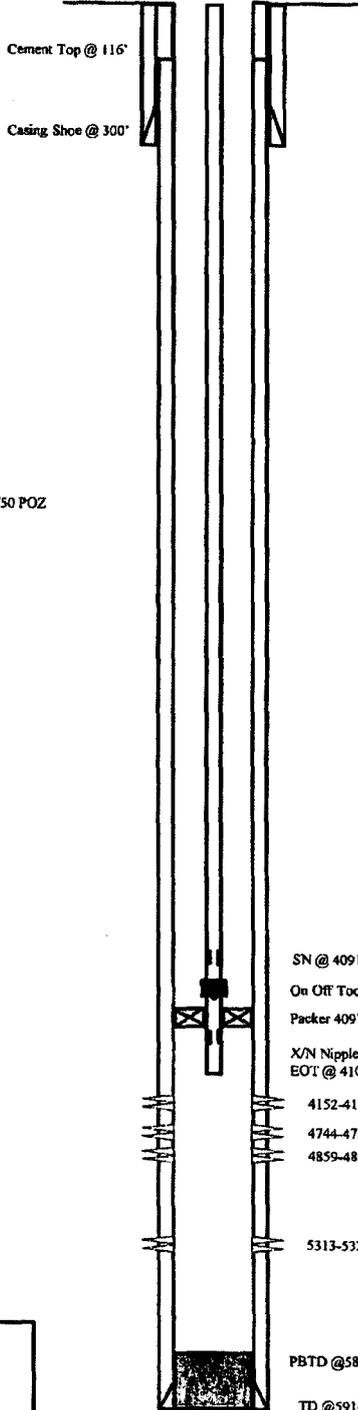
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (287 98")
 DEPTH LANDED: 299 83' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: To surface with 160 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 145 jts (6357 47")
 DEPTH LANDED: 5910 55' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Prem Lite II mixed & 425 sxs 50/50 POZ
 CEMENT TOP: 116'

TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#
 NO OF JOINTS: 131 jts (4079 2')
 SEATING NIPPLE: 2-7/8" (1 10')
 SN LANDED AT: 4091 2' KB
 ON/OFF TOOL AT: 4092 3'
 ARROW #1 PACKER CE AT: 4097'
 XO 2-3/8 x 2-7/8 J-55 AT: 4101 0'
 TBG PUP 2-3/8 J-55 AT: 4101 5'
 X/N NIPPLE AT: 4105 7'
 TOTAL STRING LENGTH EOT @ 4107'



FRAC JOB

6/29/07	5313-5320'	RU BJ & frac LODC ads as follows: 40,796# 20/40 sand in 411 bbls of Lightning 17 frac fluid Treated @ ave pressure of 3412 w/ ave rate of 22.2 bpm w/ 6.5 ppg of sand ISIP was 3327 Actual flush: 4830 gals
6/29/07	4859-4867'	RU BJ & frac stage #2 as follows: 34,536#s of 20/40 sand in 354 bbls of Lightning 17 frac fluid Treated @ ave pressure of 3900 w/ ave rate of 22.1 bpm w/ 6.5 ppg of sand ISIP was 4200 Actual flush: 2646 gals
6/29/07	4744-4754'	RU BJ & frac stage #3 as follows: 34,902#s of 20/40 sand in 390 bbls of Lightning 17 frac fluid Treated @ ave pressure of 2527 w/ ave rate of 27.6 bpm w/ 6.5 ppg of sand 1144 bbls EWTR ISIP was 1925 Actual flush: 4242 gals
6/29/07	4152-4158'	RU BJ & frac stage #4 as follows: 44,919#s of 20/40 sand in 372 bbls of Lightning 17 frac fluid Treated @ ave pressure of 2360 w/ ave rate of 24.7 bpm w/ 8 ppg of sand 1517 bbls EWTR ISIP was 1900 Actual flush: 5996 gals
12/21/09		Parted Rods. Rod & Tubing updated
09/27/12		Convert to Injection Well
09/27/12		Conversion MIT Finalized - update tbg detail

PERFORATION RECORD

06/29/07	5313-5320'	4 JSPF	28 holes
06/29/07	4859-4867'	4 JSPF	32 holes
06/29/07	4744-4754'	4 JSPF	40 holes
06/29/07	4152-4158'	4 JSPF	24 holes

NEWFIELD

Federal 3-22-9-16
 683' FNL & 2079' FWL (NE/NW)
 Section 22, T9S, R16E
 Duchesne Co, Utah
 API #43-013-33024; Lease # UTU-64379

JONAH P-14-9-16

Spud Date: 10/19/2010
 PWOP: 12/14/2010
 GL: 5707' KB: 5719'

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 8 jts. (336.56')
 DEPTH LANDED: 346.41' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 180 sxs Class "G" cmt

PRODUCTION CASING

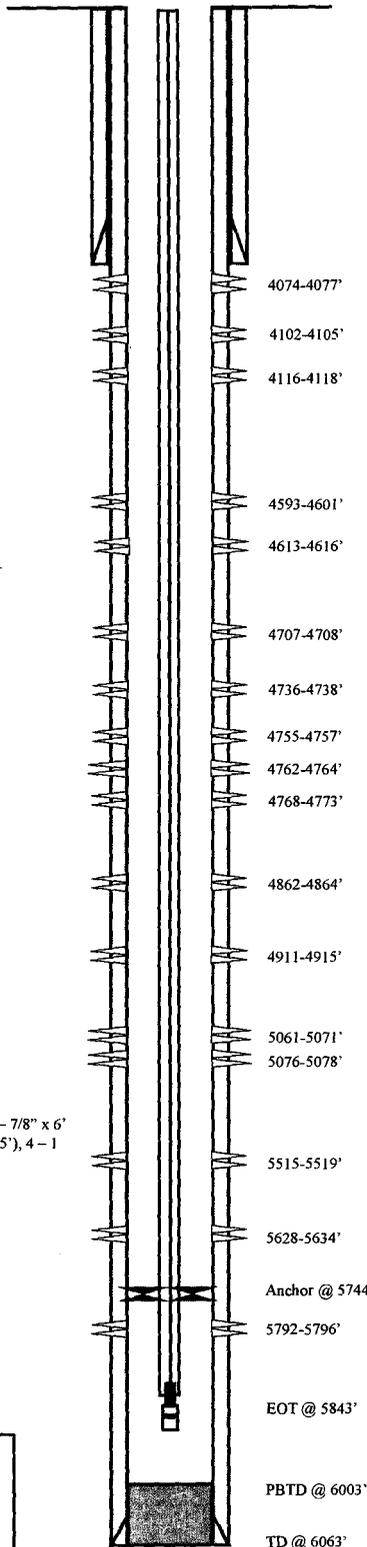
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 143 jts. (6034.18')
 HOLE SIZE: 7-7/8"
 DEPTH LANDED: 6047.43' KB
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 430 sxs 50/50 POZ.
 CEMENT TOP AT: 50'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 187 jts. (5744.2')
 TUBING ANCHOR: 5744.2' KB
 NO. OF JOINTS: 1 jt. (31.5')
 SEATING NIPPLE: 2-7/8" (1.1')
 SN LANDED AT: 5778.4' KB
 NO. OF JOINTS: 2 jts. (62.8')
 NOTCHED COLLAR: 5842.3' KB
 TOTAL STRING LENGTH: EOT @ 5843'

SUCKER RODS

POLISHED ROD: 1-1/2" x 30' Spray Metal Polished Rod
 SUCKER RODS: 1 - 7/8" x 2' Pony Rod, 1 - 7/8" x 4' Pony Rod, 1 - 7/8" x 6' Pony Rod, 1 - 7/8" x 8' Pony Rod, 225 - 7/8" 8per Guided Rods (5625'), 4 - 1/2" Sinker Bars (100')
 PUMP SIZE: 2 1/2" x 1 3/4" x 21' x 24' RHAC
 STROKE LENGTH: 144"
 PUMP SPEED: 5 SPM



FRAC JOB

11/30/2010 5515-5796' **Frac CP1, CP3 & CP5, sands as follows:**
 Frac with 20407# 20/40 brown sand in 328 bbls lightning 17 fluid; 501 bbls total fluid to recover.

12/08/2010 5061-5078' **Frac A1, sands as follows:**
 Frac with 35843# 20/40 brown sand in 242 bbls lightning 17 fluid; 382 bbls total fluid to recover.

12/08/2010 4862-4915' **Frac B1 & B2, sands as follows:**
 Frac with 20423# 20/40 brown sand in 176 bbls lightning 17 fluid; 308 bbls total fluid to recover.

12/08/2010 4707-4773' **Frac C & D3, sands as follows:**
 Frac with 65441# 20/40 brown sand in 406 bbls lightning 17 fluid; 531 bbls total fluid to recover.

12/08/2010 4593-4616' **Frac D1, sands as follows:**
 Frac with 40177# 20/40 brown sand in 269 bbls lightning 17 fluid; 391 bbls total fluid to recover.

12/08/2010 4074-4118' **Frac GB4 & GB6, sands as follows:**
 Frac with 32391# 20/40 brown sand in 226 bbls lightning 17 fluid; 338 bbls total fluid to recover.

PERFORATION RECORD

5792-5796'	3 JSPF	12 holes
5628-5634'	3 JSPF	18 holes
5515-5519'	3 JSPF	12 holes
5076-5078'	3 JSPF	6 holes
5061-5071'	3 JSPF	30 holes
4911-4915'	3 JSPF	12 holes
4862-4864'	3 JSPF	6 holes
4768-4773'	3 JSPF	15 holes
4762-4764'	3 JSPF	6 holes
4755-4757'	3 JSPF	6 holes
4736-4738'	3 JSPF	6 holes
4707-4708'	3 JSPF	3 holes
4613-4616'	3 JSPF	9 holes
4593-4601'	3 JSPF	24 holes
4116-4118'	3 JSPF	6 holes
4102-4105'	3 JSPF	9 holes
4074-4077'	3 JSPF	9 holes

NEWFIELD



Jonah P-14-9-16

513'FSL & 510' FEL (SE/SE)
 Section 15, T9S, R16E
 Duchesne County, Utah

API #43-013-34124; Lease # UTU-017985

43-013-51152

NEWFIELD



GMBU L-15-9-16

Monument Butte - Duchesne County, Utah, USA

Surf Location: SW/NE - Sec 16, T9S, R18E; 1,885' FNL & 2,005' FEL

6886' GL + 10' KB

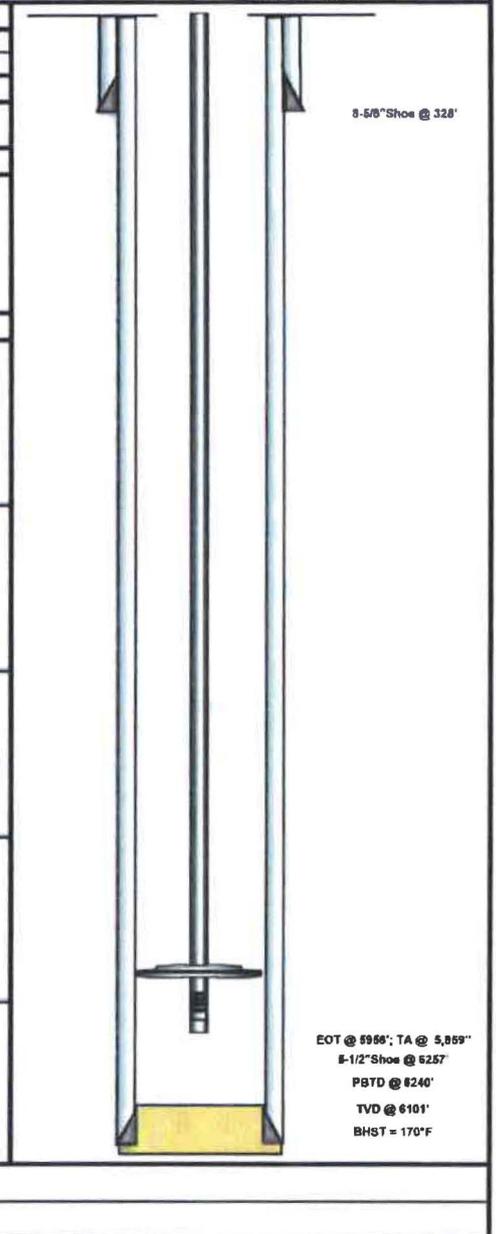
API# 43-013-51152; Lease#: UTU-017985

Sam Styles

PFM 4/8/2013

Spud Date: 9/24/2012; PoP Date: 2/5/2013

CASING DETAIL	Casing	Top	Bottom	Size	Wt	Grade	Drift	Burst	Collapse	ID	gal/H	Coupling	Hoie
	Surf	10'	328'	8-5/8"	24#	J-55	7.972"	2,050	1,370	8.067"	2.6749	STC	12.250
Prod	10'	5,257'	5-1/2"	15.5#	J-55	4.625"	4,810	4,040	4.950"	0.9967	LTC	7.675	
TBG DETAIL	Top	Bottom	Coupling	Size	Wt.	Grade	Drift	Burst	Collapse	ID	Packer/Hanger		
	10'	5,958'	8EUE	2-7/8"	6.5#	J-55	2.347"	7,260	7,680	2.441"	Tubing Anchor Set @ 5,859'		
ROD DETAIL	Component	Top	Bottom	Size	Grade	Length	Count	Pump					
	Polish Rod	0'	30'	1 1/2"	Spray Metal	30'	1	Insert Pump: 2.5 Max ID x 1.75 Plunger RHAC @ 5,886' Pump # 2202 (25-175-RI IAC-20-4-21-24) w/ 4" SM plunger & 224" max stroke					
	Pony Rod	30'	32'	7/8"	Tenaris D78	2'	1						
	Pony Rod	32'	36'	7/8"	Tenaris D78	4'	1						
	4per Guided Rod	36'	1,186'	7/8"	Tenaris D78	1,850'	74						
	4per Guided Rod	1,186'	5,186'	3/4"	Tenaris D78	3,300'	132						
4per Guided Rod	5,186'	5,886'	7/8"	Tenaris D78	700'	28							
Stage	Top	Bottom	SPF	EHD	Date	Frac Summary							
5	4,165'	4,167'	3	0.34	1/22/2013	Formation:	GB-6						
	4,176'	4,178'	3	0.34	1/22/2013	20/40 White:	44,621 lbs	16% HCl:	0 gals				
	4,190'	4,192'	3	0.34	1/22/2013	Pad:	3,654 gals	Treating Fluid:	13,272 gals				
	0'	0'	3	0.00	-	Flush:	4,158 gals	Load to Recover:	21,084 gals				
	0'	0'	3	0.00	-	ISIP=	1,831 psi	Max STP:	2,811 psi				
	0'	0'	3	0.00	-								
	0'	0'	3	0.00	-								
4	4,818'	4,820'	3	0.34	1/22/2013	Formation:	B-0.5 C-Sand						
	4,826'	4,827'	3	0.34	1/22/2013	20/40 White:	42,620 lbs	16% HCl:	504 gals				
	4,844'	4,846'	3	0.34	1/22/2013	Pad:	1,218 gals	Treating Fluid:	10,836 gals				
	0'	0'	3	0.00	-	Flush:	4,830 gals	Load to Recover:	17,388 gals				
	0'	0'	3	0.00	-	ISIP=	2,203 psi	Max STP:	3,430 psi				
	0'	0'	3	0.00	-								
	0'	0'	3	0.00	-								
3	4,971'	4,974'	3	0.34	1/22/2013	Formation:	B-3						
	4,987'	4,988'	3	0.34	1/22/2013	20/40 White:	47,459 lbs	16% HCl:	504 gals				
	4,991'	4,993'	3	0.34	1/22/2013	Pad:	924 gals	Treating Fluid:	11,550 gals				
	0'	0'	3	0.00	-	Flush:	4,908 gals	Load to Recover:	17,976 gals				
	0'	0'	3	0.00	-	ISIP=	1,978 psi	Max STP:	3,176 psi				
	0'	0'	3	0.00	-								
	0'	0'	3	0.00	-								
2	5,582'	5,583'	3	0.34	1/22/2013	Formation:	CP-4 CP-1						
	5,587'	5,588'	3	0.34	1/22/2013	20/40 White:	70,160 lbs	16% HCl:	504 gals				
	5,763'	5,765'	3	0.34	1/22/2013	Pad:	462 gals	Treating Fluid:	16,464 gals				
	5,767'	5,769'	3	0.34	1/22/2013	Flush:	5,586 gals	Load to Recover:	23,016 gals				
	0'	0'	3	0.00	-	ISIP=	2,021 psi	Max STP:	3,115 psi				
	0'	0'	3	0.00	-								
	0'	0'	3	0.00	-								
1	5,872'	5,874'	3	0.34	1/18/2013	Formation:	CP-5						
	5,880'	5,882'	3	0.34	1/18/2013	20/40 White:	90,000 lbs	16% HCl:	758 gals				
	5,895'	5,898'	3	0.34	1/18/2013	Pad:	3,234 gals	Treating Fluid:	16,464 gals				
	5,904'	5,906'	3	0.34	1/18/2013	Flush:	5,880 gals	Load to Recover:	26,334 gals				
	0'	0'	3	0.00	-	ISIP=	1,684 psi	Max STP:	2,851 psi				
	0'	0'	3	0.00	-								
	0'	0'	3	0.00	-								
CEMENT	Surf	On 9/18/12 Baker cemented 8 5/8" casing w/ 160 ske Class "G" + 2% KCl + 0.25#/sk Collo Flake at 15.8 ppg w/ 1.17 yield and returned 5 bbls to the pit.											
	Prod	On 10/12/12 Baker pumped 138 bbls lead @ 11 ppg w/ 3.53 yield plus 104 bbls tail @ 14.4 ppg w/ 1.24 yield. Returned 38 bbls to the pit. TOC @ Surface.											



ATTACHMENT F

1 of 7



Multi-Chem Analytical Laboratory

1553 East Highway 40
Vernal, UT 84078

Units of Measurement: **Standard**

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**
Well Name: **CASTLE PK 24-15-9-16**
Sample Point: **Well**
Sample Date: **11/4/2013**
Sample ID: **WA-257645**

Sales Rep: **Michael McBride**
Lab Tech: **Gary Winegar**

Scaling potential predicted using ScaleSoftPitzer from
Brine Chemistry Consortium (Rice University)

Sample Specifics		Analysis @ Properties in Sample Specifics			
		Cations		Anions	
		mg/L		mg/L	
Test Date:	11/12/2013	Sodium (Na):	4426.00	Chloride (Cl):	9000.00
System Temperature 1 (°F):	120	Potassium (K):	31.00	Sulfate (SO4):	59.00
System Pressure 1 (psig):	60	Magnesium (Mg):	6.70	Bicarbonate (HCO3):	536.00
System Temperature 2 (°F):	210	Calcium (Ca):	10.00	Carbonate (CO3):	
System Pressure 2 (psig):	60	Strontium (Sr):	5.50	Acetic Acid (CH3COO)	
Calculated Density (g/ml):	1.006	Barium (Ba):	26.00	Propionic Acid (C2H5COO)	
pH:	7.10	Iron (Fe):	1.80	Butanoic Acid (C3H7COO)	
Calculated TDS (mg/L):	14102.80	Zinc (Zn):	0.00	Isobutyric Acid ((CH3)2CHCOO)	
CO2 in Gas (%):		Lead (Pb):	0.02	Fluoride (F):	
Dissolved CO2 (mg/L):	0.00	Ammonia NH3:		Bromine (Br):	
H2S in Gas (%):		Manganese (Mn):	0.14	Silica (SiO2):	0.64
H2S in Water (mg/L):	5.00				

Notes:

B=6 Al=0.02 Li=.8

(PTB = Pounds per Thousand Barrels)

Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.00	0.00	1.13	13.91	1.67	0.96	1.00	1.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	60.00	0.00	0.00	1.15	13.97	1.62	0.96	0.93	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190.00	60.00	0.00	0.00	1.17	14.03	1.58	0.96	0.85	1.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.00	60.00	0.00	0.00	1.19	14.10	1.54	0.96	0.77	1.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.00	60.00	0.00	0.00	1.22	14.18	1.51	0.95	0.69	1.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.00	60.00	0.00	0.00	1.25	14.28	1.48	0.95	0.61	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.00	60.00	0.00	0.00	1.29	14.37	1.45	0.95	0.53	0.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.00	60.00	0.00	0.00	1.33	14.48	1.44	0.95	0.45	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.00	60.00	0.00	0.00	1.38	14.58	1.43	0.94	0.36	0.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.00	60.00	0.00	0.00	1.44	14.69	1.43	0.94	0.28	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

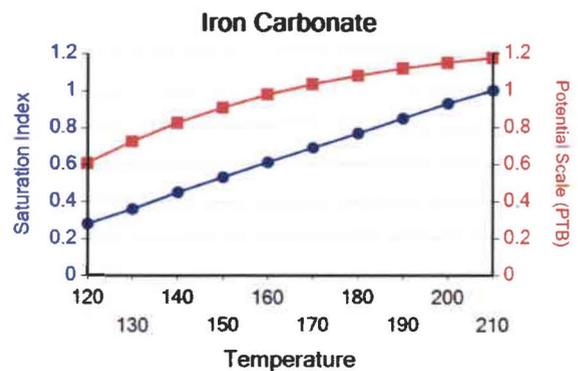
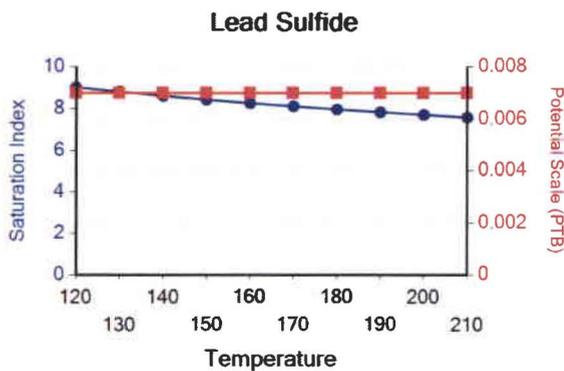
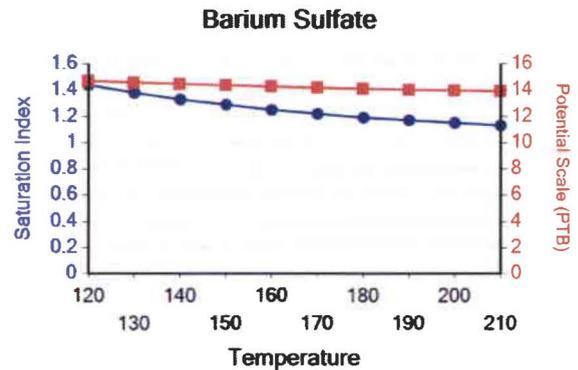
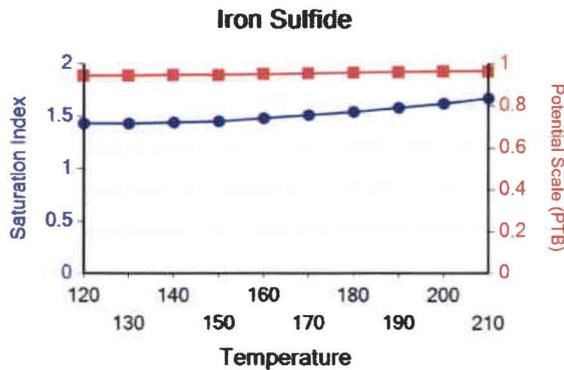
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Water Analysis Report

Temp (°F)	PSI	Hemihydrate CaSO ₄ · 0.5H ₂ O		Anhydrate CaSO ₄		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.58	0.01	0.00	0.00	0.00	0.00	1.04	0.36
200.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.70	0.01	0.00	0.00	0.00	0.00	0.57	0.22
190.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.83	0.01	0.00	0.00	0.00	0.00	0.10	0.05
180.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.96	0.01	0.00	0.00	0.00	0.00	0.00	0.00
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.11	0.01	0.00	0.00	0.00	0.00	0.00	0.00
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.26	0.01	0.00	0.00	0.00	0.00	0.00	0.00
150.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.43	0.01	0.00	0.00	0.00	0.00	0.00	0.00
140.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.61	0.01	0.00	0.00	0.00	0.00	0.00	0.00
130.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.81	0.01	0.00	0.00	0.00	0.00	0.00	0.00
120.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00

These scales have positive scaling potential under initial temperature and pressure: Barium Sulfate Iron Sulfide Iron Carbonate Lead Sulfide Fe Silicate

These scales have positive scaling potential under final temperature and pressure: Barium Sulfate Iron Sulfide Iron Carbonate Lead Sulfide



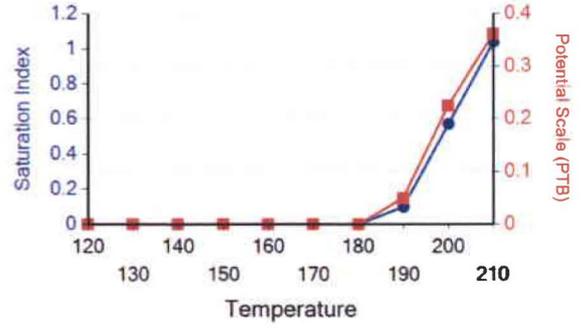
Multi-Chem Analytical Laboratory
1553 East Highway 40
Vernal, UT 84078

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Water Analysis Report

Fe Silicate



4 of 7

Units of Measurement: **Standard**

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**
 Well Name: **ASHLEY INJ FACILITY**
 Sample Point: **After All Filters**
 Sample Date: **11/18/2013**
 Sample ID: **WA-259559**

Sales Rep: **Jacob Bird**
 Lab Tech: **Gary Winegar**

Scaling potential predicted using ScaleSoftPitzer from
 Brine Chemistry Consortium (Rice University)

Sample Specifics		Analysis @ Properties in Sample Specifics			
Test Date:	11/27/2013	Cations		Anions	
		mg/L		mg/L	
System Temperature 1 (°F):	120	Sodium (Na):	4018.00	Chloride (Cl):	9000.00
System Pressure 1 (psig):	2000	Potassium (K):	1781.00	Sulfate (SO4):	85.00
System Temperature 2 (°F):	210	Magnesium (Mg):	13.00	Bicarbonate (HCO3):	1224.00
System Pressure 2 (psig):	2000	Calcium (Ca):	42.00	Carbonate (CO3):	
Calculated Density (g/ml):	1.008	Strontium (Sr):	8.10	Acetic Acid (CH3COO)	
pH:	8.30	Barium (Ba):	6.00	Propionic Acid (C2H5COO)	
Calculated TDS (mg/L):	16204.49	Iron (Fe):	1.50	Butanoic Acid (C3H7COO)	
CO2 in Gas (%):		Zinc (Zn):	0.03	Isobutyric Acid ((CH3)2CHCOO)	
Dissolved CO2 (mg/L):	80.00	Lead (Pb):	0.00	Fluoride (F):	
H2S in Gas (%):		Ammonia NH3:		Bromine (Br):	
H2S in Water (mg/L):	4.00	Manganese (Mn):	0.18	Silica (SiO2):	25.68

Notes:

B=6 Al=.07 Li=2.1

(PTB = Pounds per Thousand Barrels)

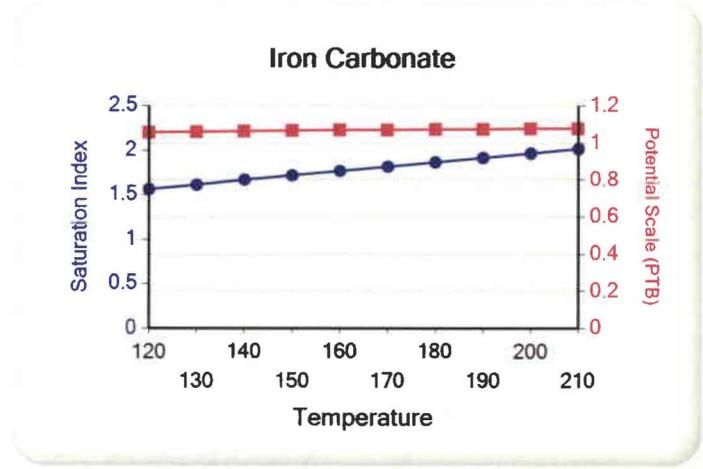
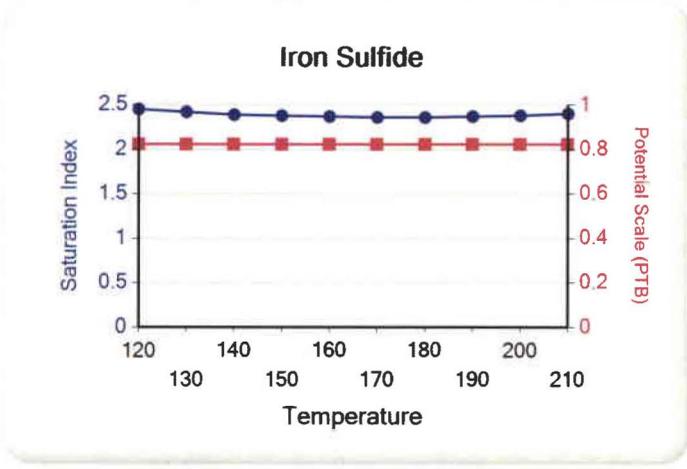
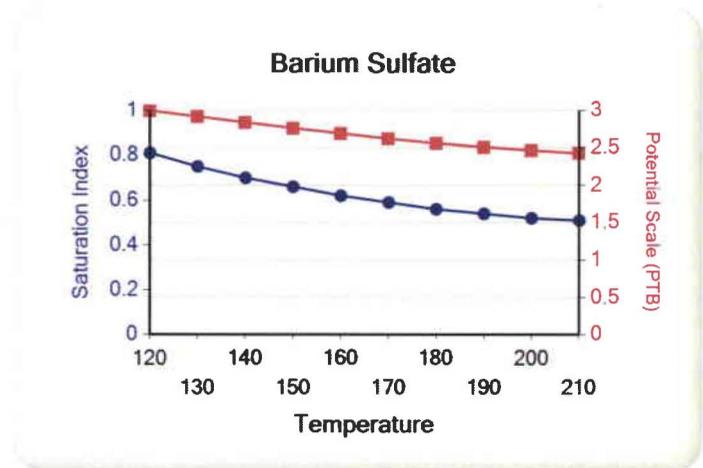
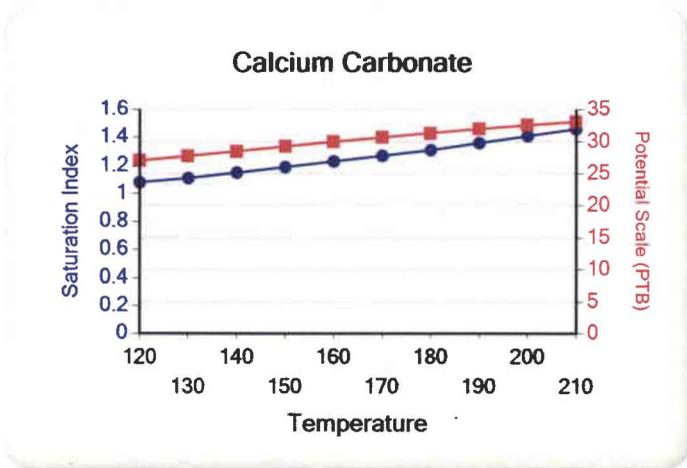
Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	2000.00	1.46	33.08	0.51	2.43	2.40	0.82	2.02	1.08	0.00	0.00	0.00	0.00	0.00	0.00	7.44	0.01
200.00	2000.00	1.41	32.54	0.52	2.46	2.38	0.82	1.97	1.08	0.00	0.00	0.00	0.00	0.00	0.00	7.52	0.01
190.00	2000.00	1.36	31.94	0.54	2.51	2.37	0.82	1.92	1.08	0.00	0.00	0.00	0.00	0.00	0.00	7.61	0.01
180.00	2000.00	1.31	31.31	0.56	2.56	2.36	0.82	1.87	1.08	0.00	0.00	0.00	0.00	0.00	0.00	7.70	0.01
170.00	2000.00	1.27	30.63	0.59	2.62	2.36	0.82	1.82	1.07	0.00	0.00	0.00	0.00	0.00	0.00	7.80	0.01
160.00	2000.00	1.23	29.93	0.62	2.69	2.37	0.82	1.77	1.07	0.00	0.00	0.00	0.00	0.00	0.00	7.91	0.01
150.00	2000.00	1.19	29.20	0.66	2.76	2.38	0.82	1.72	1.07	0.00	0.00	0.00	0.00	0.00	0.00	8.03	0.01
140.00	2000.00	1.15	28.46	0.70	2.84	2.39	0.82	1.67	1.07	0.00	0.00	0.00	0.00	0.00	0.00	8.15	0.01
130.00	2000.00	1.11	27.72	0.75	2.92	2.42	0.82	1.61	1.06	0.00	0.00	0.00	0.00	0.00	0.00	8.29	0.01
120.00	2000.00	1.08	26.99	0.81	2.99	2.45	0.82	1.56	1.06	0.00	0.00	0.00	0.00	0.00	0.00	8.43	0.01

Water Analysis Report

Temp (°F)	PSI	Hemihydrate CaSO4*0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.01	0.00	0.00	5.45	21.52	2.81	13.36	9.15	1.17
200.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.01	0.00	0.00	5.03	20.36	2.56	12.56	8.85	1.16
190.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.01	0.00	0.00	4.61	19.03	2.32	11.64	8.55	1.16
180.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.01	0.00	0.00	4.18	17.56	2.07	10.62	8.25	1.16
170.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	3.74	15.97	1.82	9.52	7.95	1.16
160.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.30	14.29	1.56	8.35	7.65	1.16
150.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.86	12.54	1.31	7.13	7.34	1.16
140.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.41	10.74	1.06	5.88	7.05	1.16
130.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.97	8.91	0.81	4.61	6.76	1.16
120.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.52	7.04	0.56	3.33	6.47	1.16

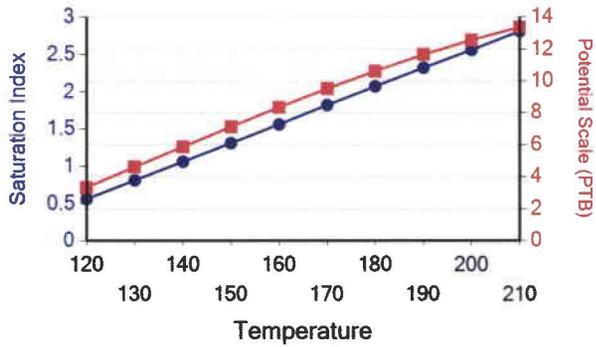
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Mg Silicate Ca Mg Silicate Fe Silicate

These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Mg Silicate Ca Mg Silicate Fe Silicate

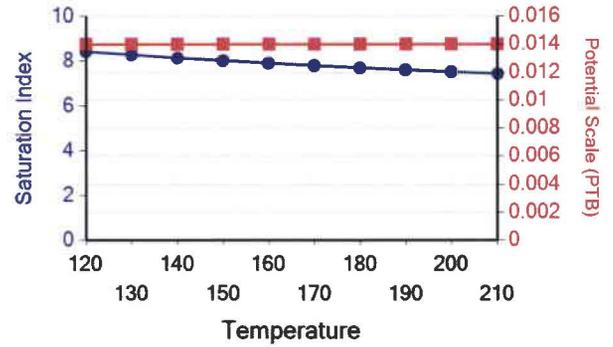


Water Analysis Report

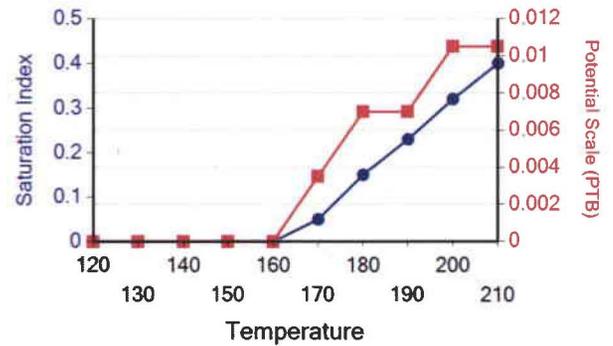
Ca Mg Silicate



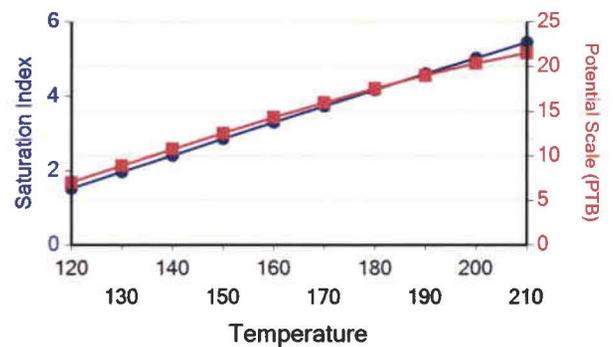
Zinc Sulfide



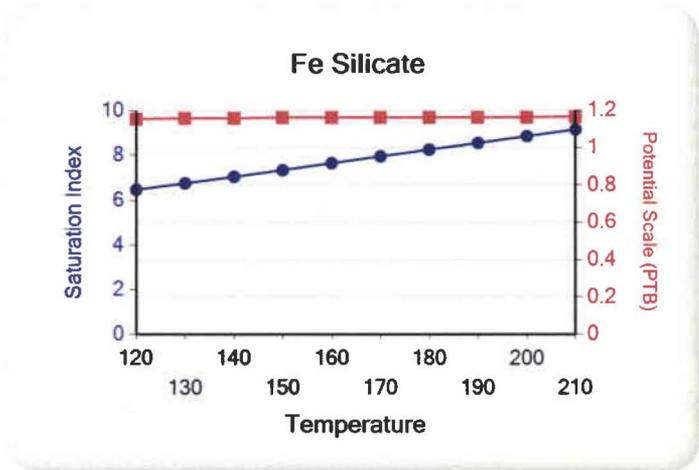
Zinc Carbonate



Mg Silicate



Water Analysis Report



Attachment "G"

**Castle Peak 24-15-9-16
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5460	5477	5469	1620	0.73	1585 ←
4893	4904	4899	2120	0.87	2088
4534	4652	4593	1920	0.86	1891
				Minimum	<u><u>1585</u></u>

Calculation of Maximum Surface Injection Pressure
 $P_{max} = (\text{Frac Grad} - (0.433 \times 1.015)) \times \text{Depth of Top Perf}$
 where pressure gradient for the fresh water is .433 psi/ft and
 specific gravity of the injected water is 1.015.

$\text{Frac Gradient} = (\text{ISIP} + (0.433 \times \text{Top Perf.})) / \text{Top Perf.}$

Please note: These are existing perforations; additional perforations may be added during the actual conversion procedure.

ATTACHMENT H

WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 4222'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 170' balance plug using 20 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4. Plug #3 120' balance plug using 14 sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5. Perforate 4 JSPF @ 324'
6. Plug #4 Circulate 106 sx Class "G" cement down 5 1/2" and up the 5 1/2" x 8 5/8" annulus

The approximate cost to plug and abandon this well is \$42,000.

Castle Peak #24-15-9-16

Spud Date: 6/19/82
 Put on Production: 8/30/12
 GL: 5770' KB: 5783'

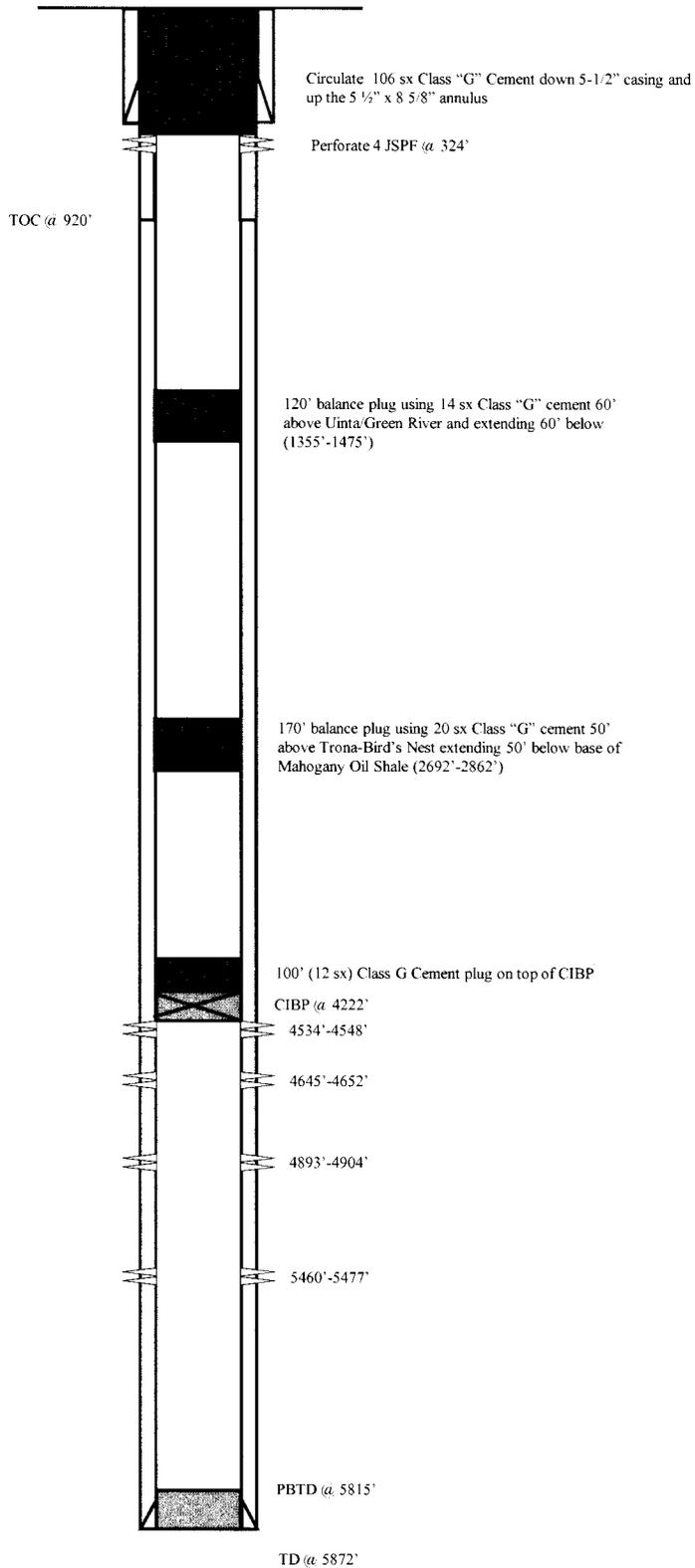
Proposed P & A Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: K-55
 WEIGHT: 24#
 LENGTH: 7 jts. (261')
 DEPTH LANDED: 274'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 200 sxs Type II cmt. Returns to surface.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: K-55
 WEIGHT: 15.5#
 LENGTH: 138 jts. (5870.46')
 DEPTH LANDED: 5867'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 325 sxs Dowell HiLift & 475 sxs 10-0 PFC.
 CEMENT TOP: 920' per CBL 7/17/82



<p>Castle Peak #24-15-9-16 659' FSL & 1980' FWL SESW Section 15-T9S-R16E Duchesne Co, Utah API #43-013-30631; Lease #U-74805</p>