

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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
 Coastal Oil & Gas Corporation

3. ADDRESS OF OPERATOR
 P. O. Box 749, Denver, Colorado 80201-0749

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface: 549' FNL, 1169' FWL (NW $\frac{1}{4}$ NW $\frac{1}{4}$) Section 4, T10S, R22E (Lot 4)
 At proposed prod. zone: Same As Above

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approximately Fifteen (15) Miles Southeast of Ouray, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 549'

16. NO. OF ACRES IN LEASE 1363.21

17. NO. OF ACRES ASSIGNED TO THIS WELL 80

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1100'±

19. PROPOSED DEPTH 5700' WSTC

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5007' GR

22. APPROX. DATE WORK WILL START* April 1, 1992

5. LEASE DESIGNATION AND SERIAL NO.
 UTU-01191A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 Not Applicable

7. UNIT AGREEMENT NAME
 Natural Buttes

8. FARM OR LEASE NAME
 NBU

9. WELL NO.
 170

10. FIELD AND POOL, OR WILDCAT
 Natural Buttes 630

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Section 4, T10S, R22E

12. COUNTY OR PARISH 13. STATE
 Uintah Utah

23. (ALL NEW) PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8" K-55	24.0#	0- 250'	180 sx Circulated to Surface *
7-7/8"	5-1/2" K-55	17.0#	0-5700'	852 sx Circulated to Surface *

* Cement volumes may change due to hole size.
 Calculate from Caliper log.

RECEIVED
 DEC 17 1991

EIGHT-POINT RESOURCE PROTECTION PLAN ATTACHED.

I hereby certify that Coastal Oil & Gas Corporation is authorized by the proper Lease Interest Owners to conduct lease operations associated with this Application for Permit to Drill the NBU #170, Federal Lease # UTU-01191A. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Coastal Oil & Gas Corporation, Nationwide Bond # CO-0018, who will be responsible for compliance with all the terms and conditions of that portion of the lease associated with this Application.

DIVISION OF
OIL, GAS & MINING

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 Charles E Mowry TITLE District Drilling Manager DATE December 5, 1991
 Charles E. Mowry
 (This space for Federal or State office use)

PERMIT NO. 43-047-30116A APPROVAL DATE _____
 APPROVED BY _____ TITLE _____
 CONDITIONS OF APPROVAL, IF ANY: _____

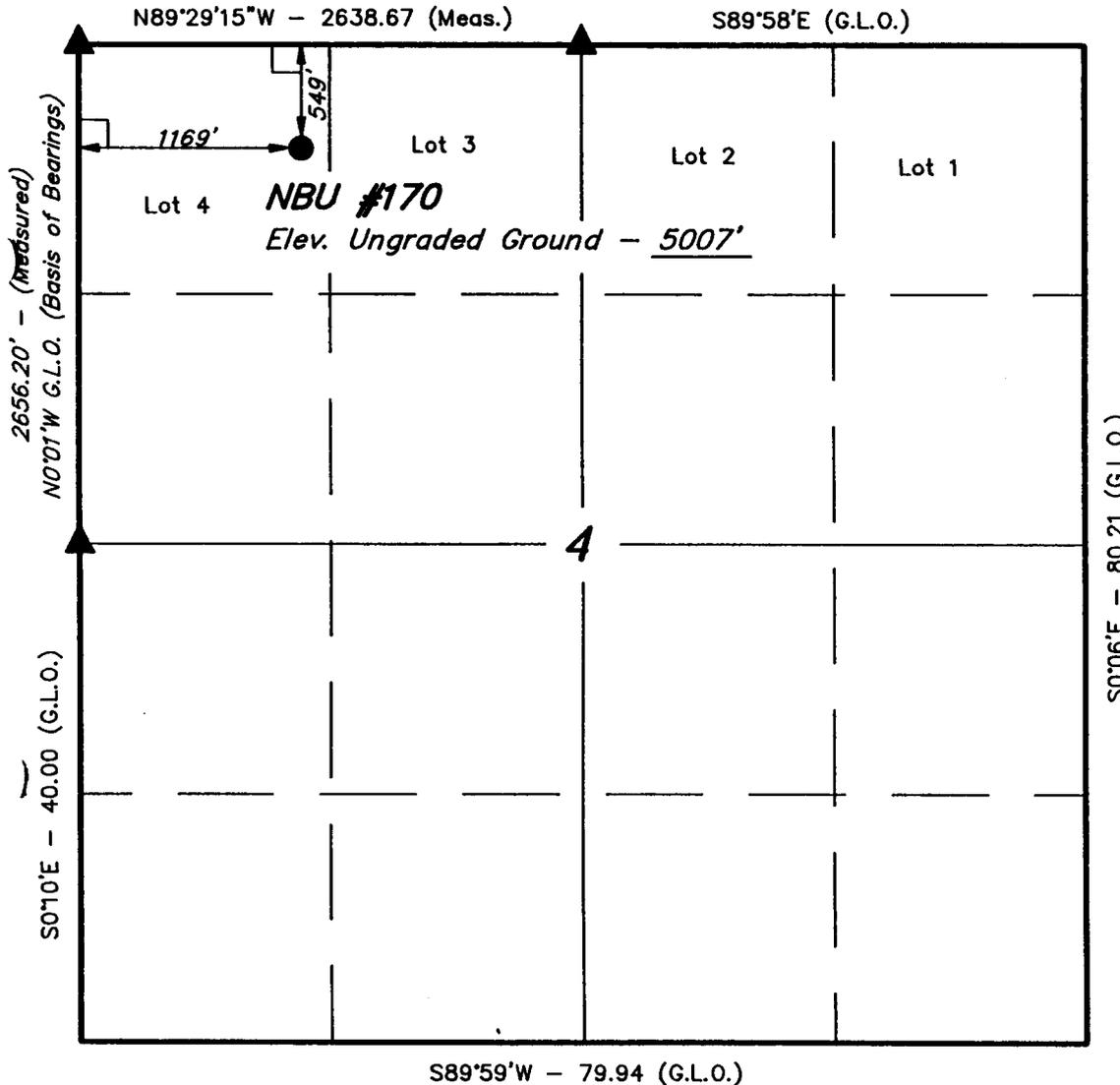
APPROVED BY THE STATE
 OF UTAH DIVISION OF
 OIL, GAS, AND MINING
 DATE: 12-29-91
 BY: [Signature]
 WELL SPACING: 615-2-3

*See Instructions On Reverse Side

T10S, R22E, S.L.B.&M.

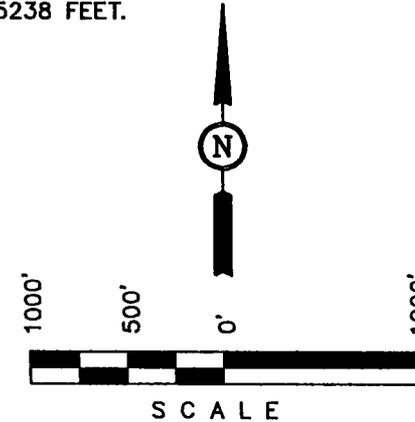
COASTAL OIL & GAS CORP.

Well location, NBU #170, located as shown in the Lot 4 of Section 4, T10S, R22E, S.L.B.&M. Uintah County, Utah.



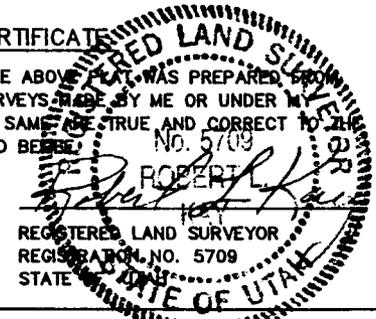
BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN. NE QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.



CERTIFICATE

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



▲ = SECTION CORNERS LOCATED. (Bross Cops)

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

SCALE 1" = 1000'	DATE 10-18-91
PARTY G.S. C.Y. MDA	REFERENCES G.L.O. PLAT
WEATHER WARM	FILE COASTAL OIL & GAS CORP.

COASTAL OIL & GAS CORPORATION
Lease #UTU-01191A, NBU #170
Lot 4 (NW $\frac{1}{4}$ NW $\frac{1}{4}$), Section 4, T10S, R22E
Uintah County, Utah

Drilling Prognosis

1. Estimated Tops of Important Geologic Markers:

Uinta	Surface	Wasatch	4335'
Green River	1335'	Total Depth	5700'

2. Estimated Depths of Anticipated Water, Oil, Gas or Mineral Formations:

Wasatch 4335' Gas (Primary Objective)

If any shallow water zones are encountered, they will be adequately protected and reported; none anticipated. All potentially productive hydrocarbon zones will be cemented off.

3. Pressure Control Equipment: (Schematic Attached)

A. Type: 11" Double Gate Hydraulic.

The Blow-Out Preventer will be equipped as follows:

1. One (1) blind ram (above).
2. One (1) pipe ram (below).
3. Kill line (2-inch minimum).
4. One (1) kill line valve (2-inch minimum).
5. One (1) choke line valve.
6. Two (2) adjustable chokes.
7. Upper kelly cock valve with handle available.
8. Safety valve & subs to fit all drill strings in use.
9. 2-inch (minimum) choke line.
10. Pressure gauge on choke manifold.

B. Pressure Rating: 2,000 psi

C. Testing Procedure:

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack (if isolated from the surface casing by a test plug) or to 70% of the internal yield strength of the surface casing (if the BOP is not isolated from the casing by a test plug). Pressure will be maintained for a period of at least ten (10) minutes or until the requirements of the test are met, whichever is longer.

3. Pressure Control Equipment:

C. Testing Procedure: Continued

At a minimum, the above pressure test will be performed:

1. When the BOP is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition to the above, the pipe and blind rams will be activated each trip, but not more than once each day.

All BOP drills and tests will be recorded in the IADC driller's log.

D. Choke Manifold Equipment:

All choke lines will be straight lines unless turns use tee blocks or are targeted with running tees, and will be anchored to prevent whip and vibration.

E. Accumulator:

The accumulator will have sufficient capacity to close all BOP's and retain 200 psi above precharge. Nitrogen bottles which meet the manufacturer's specifications will be used as the backup to the required independent power source. The accumulator precharge pressure test will be conducted prior to connecting the closing unit to the BOP stack and at least once every six (6) months thereafter. The accumulator pressure will be corrected if the measured precharge pressure is found to be above or below the maximum or minimum limits specified in Onshore Operating Order #2.

F. Special Drilling Operations:

In addition to the equipment already specified in Items A through E, above, the following equipment will be in place and operational during air/gas drilling:

1. Properly lubricated and maintained rotating head.
2. Spark arresters on engines or water cooled exhaust.
3. Bloopie line discharge 100 feet from well bore and securely anchored (not required for aerated water system).

3. Pressure Control Equipment:

F. Special Drilling Operations: Continued

4. Straight run on blooie line.
5. Deduster equipment (not required for aerated water system).
6. All cuttings and circulating medium(s) shall be directed into a reserve or blooie pit.
7. Float valve above bit.
8. Automatic igniter or continuous pilot light on the blooie line (not required for aerated water system).
9. Compressors located in the opposite direction from the blooie line and at a minimum of 100 feet from the well bore.
10. Mud circulating equipment, water, and mud materials (does not have to be pre-mixed) sufficient to maintain the capacity of the hole and circulating tanks or pits.

G. Miscellaneous Information:

The Blow-Out Preventer and related pressure control equipment will be installed, tested and maintained in compliance with the specifications in and requirements of Onshore Operating Order #2.

The choke manifold and BOP extension rods with hand wheels will be located outside the rig sub-structure. The hydraulic BOP closing unit will be located at least twenty-five (25) feet from the well head but readily accessible to the driller.

Exact locations and configurations of the hydraulic BOP closing unit will depend upon the particular rig contracted to drill this hole.

A flare line will be installed after the choke manifold, extending 100 feet (minimum) from the center of the drill hole to a separate flare pit, if required.

4. The Proposed Casing and Cementing Program:

A. Casing Program (All New)

<u>Hole Size</u>	<u>Casing Size</u>	<u>Wt./Ft.</u>	<u>Grade</u>	<u>Joint</u>	<u>Depth Set</u>
12-1/4"	8-5/8"	24.0#	K-55	ST&C	0- 250'

4. The Proposed Casing and Cementing Program:

A. Casing Program - Continued

<u>Hole Size</u>	<u>Casing Size</u>	<u>Wt./Ft.</u>	<u>Grade</u>	<u>Joint</u>	<u>Depth Set</u>
7-7/8"	5-1/2"	17.0#	K-55	LT&C	0-5700'

Casing string(s) will be pressure tested to 0.22 psi per foot, or 1500 psi (not to exceed 70% of the internal yield strength of the casing), whichever is greater, after cementing and prior to drilling out from under the casing shoe.

B. Cementing Program

Surface Casing : Cement with approximately 180 sx Class "G" cement + additives, circulated to surface with 100% excess.

Production Casing : Lead with approximately 350 sx Halliburton Silica "Lite" cement with 4% Gel, 4% CaCl₂, 0.3 % Halad-413 and 2.0#/sx Granulite TR; tail with approximately 195 sx Class "G" cement + additives. Cement will be circulated back to surface with 30% excess.

Actual cement volumes to be required will be determined from the caliper log.

All waiting on cement (WOC) times will be adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.

5. Mud Program: (Visual Monitoring)

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>
0-1500'	Air/Mist	-----	-----	-----
1500-5700'	Aerated Water	-----	-----	-----

Sufficient quantities of mud materials will be maintained or readily accessible for the purpose of assuring well control during the course of drilling operations.

5. Mud Program: Continued

The surface hole will be drilled with an air mist system, injecting water at the rate of 15-20 gallons/minute, until the lost circulation zone is reached at 1,500' (+/-). At that point, Coastal Oil & Gas Corporation will switch to an aerated water system, utilizing the rig pumps to inject water at a rate of 190 gallons/minute to total depth.

6. Evaluation Program:

Logs : DIL-Caliper : 5700' - Surface
FDC-CNL : 5700' - 1500'

DST's : None anticipated.

Cores : None anticipated.

The proposed evaluation program may change at the discretion of the wellsite geologist, with prior approval from the Authorized Officer, Bureau of Land Management.

Stimulation : No stimulation or frac treatment has been formulated for this test at this time. The drill site, as approved, will be of sufficient size to accommodate all completion activities.

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

Two (2) copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the Authorized Officer, Book Cliffs Resource Area Office, Bureau of Land Management, 170 South 500 East, Vernal, Utah 84078, Phone: (801) 789-1362.

7. Abnormal Conditions:

No abnormal temperatures or pressures are anticipated. No H₂S has been encountered in or known to exist from previous wells drilled to similar depths in the general area.

Maximum anticipated bottom hole pressure equals approximately 2,651 psi (calculated at 0.465 psi/foot) and maximum anticipated surface pressure equals approximately 1,397 psi (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. Anticipated Starting Dates and Notification of Operations:

A. Drilling Activity

Anticipated Commencement Date : April 1, 1992
Drilling Days : Approximately 10 Days
Completion Days : Approximately 7 days

B. Notification of Operations

The Book Cliffs Resource Area Office, Bureau of Land Management will be notified at least twenty-four (24) hours PRIOR to the commencement of the following activities:

1. Spudding of the well. This oral report will be followed up with a Sundry Notice (Form 3160-5);
2. initiating pressure tests of the blow-out preventer and related equipment;
3. running casing and cementing of ALL casing strings.

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

8. Anticipated Starting Dates and Notification of Operations:

B. Notification of Operations - Continued

In accordance with Onshore Operating Order #1, this well will be reported on MMS Form 3160-6, "Monthly Report of Operations", starting with the month in which operations commence and continuing each month until the well is physically plugged and abandoned. This report will be filed directly with the Royalty Management Program, Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217.

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

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

Should the well be successfully completed for production, the Authorized Officer will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication no later than five (5) business days following the date on which the well is placed on production.

Pursuant to NTL-2B, with the approval of the Authorized Officer, produced water may be temporarily disposed of into the reserve pit for a period of up to ninety (90) days. During this period so authorized, an application for approval of the permanent disposal method, along with the required water analysis and other information, must be submitted to the Authorized Officer.

Pursuant to NTL-4A, lessees and operators are authorized to vent/flare gas during initial well evaluation tests, not exceeding a period of thirty (30) days or the production of fifty (50) MMCF of gas, whichever occurs first. An application must be filed with the Authorized Officer, and approval received, for any venting/flaring of gas beyond the initial thirty (30) day or otherwise authorized test period.

8. Anticipated Starting Dates and Notification of Operations:

B. Notification of Operations - Continued

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the Vernal District Office within thirty (30) days of installation or first production, whichever occurs first. All site security regulations as specified in 43 CFR 3162.7 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

A first production conference will be scheduled within fifteen (15) days after receipt of the first production notice.

No well abandonment operations will be commenced without the prior approval of the Authorized Officer. In the case of newly-drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the Authorized Officer.

A "Notice of Intention to Abandon" (Form 3160-5) will be filed with the Authorized Officer within fifteen (15) days following the granting of oral approval to plug and abandon.

Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6. The following information will be permanently placed on the marker with a plate, cap, or beaded-on with a welding torch: "Fed" or "Ind", as applicable; Company Name, Well Name and Number, Location by Quarter/Quarter, Section, Township, Range, and Federal or Indian Lease Number.

A "Subsequent Report of Abandonment" (Form 3160-5) will be submitted within thirty (30) days following the actual plugging of the well bore. This report will indicate where plugs were placed and the current status of surface restoration operations. If surface restoration has not been completed at that time, a follow-up report on Form 3160-5 will be filed when all surface restoration work has been completed and the location is considered ready for final inspection.

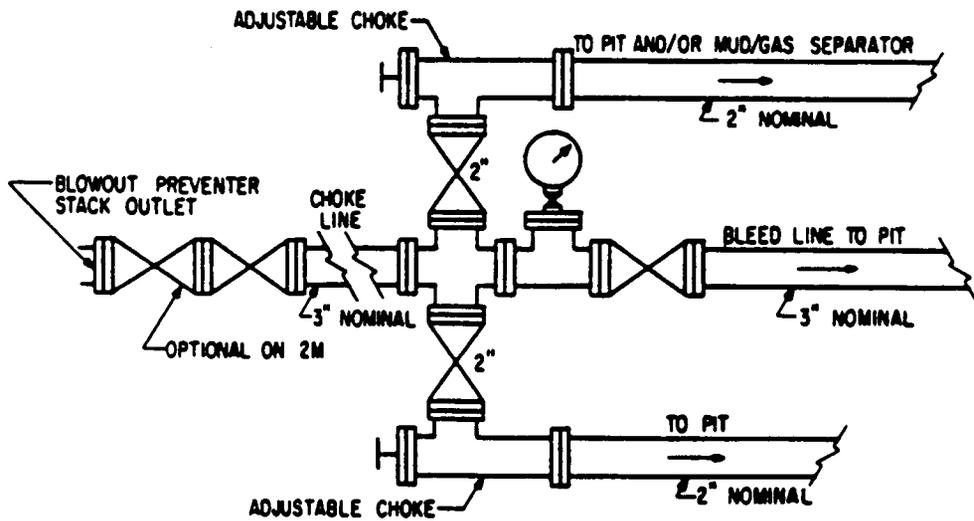
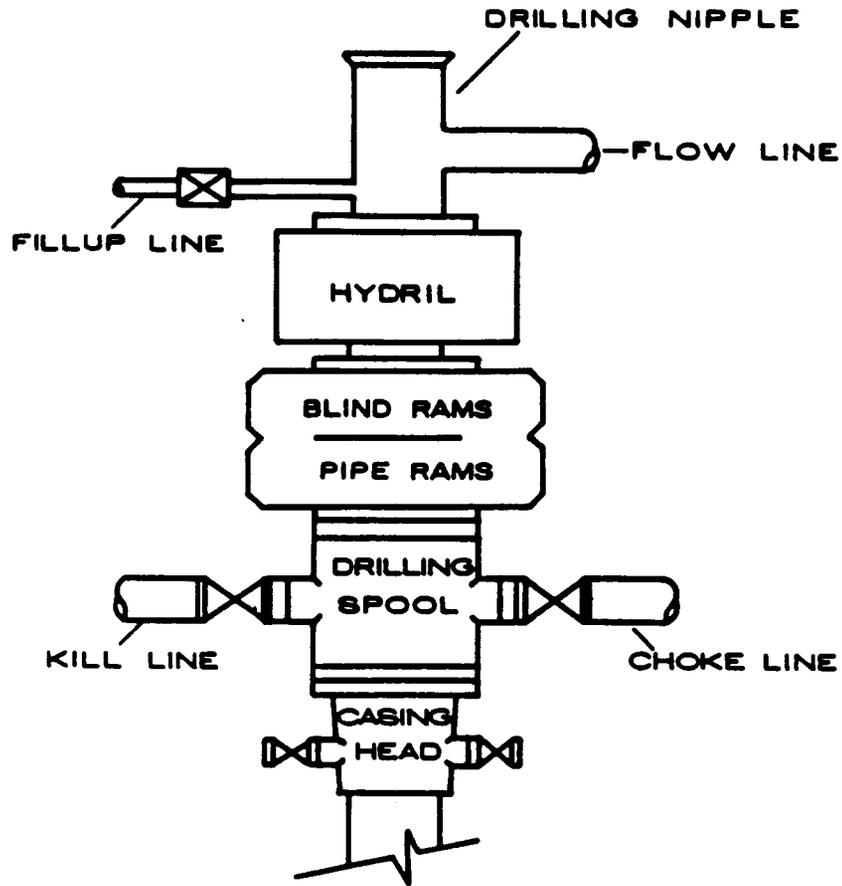
8. Anticipated Starting Dates and Notification of Operations:

B. Notification of Operations - Continued

Final abandonment will not be approved until the surface reclamation work required by the approved Application for Permit to Drill has been completed to the satisfaction of the Authorized Officer or his representative, or the appropriate Surface Management Agency.

Pursuant to Onshore Operating Order #1, lessees and operators have the responsibility to see that their exploration, development, production, and construction operations are conducted in such a manner which conforms with applicable Federal laws and regulations and with State and local laws and regulations to the extent that such State and local laws are applicable to operations on Federal and Indian lands.

BOP STACK



COASTAL OIL & GAS CORPORATION
Lease #UTU-01191A, NBU #170
Lot 4 (NW $\frac{1}{4}$ NW $\frac{1}{4}$), Section 4, T10S, R22E
Uintah County, Utah

Multi-Point Surface Use and Operations Plan

1. Existing Roads: Refer to Maps "A" & "B" (shown in ORANGE)

- A. The proposed well site is staked and four 200-foot reference stakes are present.
- B. To reach the location from the town of Vernal, Utah; proceed generally southwest approximately 14.0 miles on U.S. Highway 40 (a paved U.S. highway), thence generally south approximately 17.0 miles on Utah Highway 88 (a paved state highway) to the community of Ouray, thence generally south approximately 9.1 miles on the Seep Ridge Road (an existing, upgraded Uintah County road), thence generally southeast approximately 2.4 miles on an existing, upgraded oilfield road (crowned & ditched with a gravel surface), thence generally east/southeast approximately 4.1 miles on an existing, upgraded oilfield road (crowned & ditched with a gravel surface), thence continuing generally east/southeast approximately 4.9 miles on an existing, upgraded oilfield road (crowned & ditched with a gravel surface), thence generally northeast approximately 3.3 miles on an existing, upgraded oilfield road (crowned & ditched with a gravel surface), thence generally north approximately 1.9 miles on an existing, upgraded oilfield road (crowned & ditched with a gravel surface), thence generally south/southeast approximately 200 feet to the proposed NBU #170 well location.
- C. Access roads - refer to Maps "A" and "B".
- D. Access roads within a one (1) mile radius - refer to Map "B".
- E. The existing gravel roads will be maintained in the same or better condition as existed prior to the commencement of operations and said maintenance will continue until final abandonment and reclamation of the NBU #170 well location.

2. Planned Access Roads: Refer to Map "B" (Shown in GREEN)

Approximately 200 feet of new road construction will be required for access to the proposed NBU #170 well location.

- A. Width - maximum 30-foot overall right-of-way with an 18-foot road running surface, crowned & ditched.

2. Planned Access Roads: Continued

- B. Construction standard - the access road will be constructed in accordance with Bureau of Land Management Roading Guidelines established for oil and gas exploration and development activities as referenced in the joint BLM/USFS publication: Surface Operating Standards for Oil and Gas Exploration and Development, Third Edition.

The access road will be constructed to meet the standards of the anticipated traffic flow and all-weather requirements and will include ditching, draining, graveling, crowning, and capping the roadbed as deemed necessary to provide a well constructed and safe road.

Prior to construction, the roadway shall be cleared of any snow cover and allowed to dry completely.

Traveling off of the thirty (30) foot right-of-way will not be allowed.

Road drainage crossings shall be of the typical dry creek drainage crossing type, shall be designed so that they will not cause siltation or the accumulation of debris in the drainage crossing, nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts.

Upgrading shall not be allowed during muddy conditions.

Should mud holes develop, they shall be filled in and detours around them avoided.

- C. Maximum grade - 4%.
D. Turnouts - turnouts will be constructed along the access route as necessary or required to allow for the safe passage of traffic. None anticipated at this time.
E. Drainage design - the access road will be crowned, ditched, and water turnouts installed as necessary to provide for proper drainage along the access road route.
F. Culverts, cuts and fills - no culverts will be required. There are no major cuts and/or fills on/along the proposed access road route.
G. Surface materials - none anticipated at this time.

2. Planned Access Roads: Continued

- G. Surface materials - any construction materials which may be required for surfacing of the access road will be purchased from a local contractor having a permitted source of materials in the area, if required by the Authorized Officer, Bureau of Land Management.
- H. Gates, cattleguards or fence cuts - none required.
- I. Road maintenance - during both the drilling and production phase of operations, the road surface and shoulders will be kept in a safe and useable condition and will be maintained in accordance with the original construction standards.

All drainage ditches and culverts will be kept clear and free-flowing, and will also be maintained in accordance with the original construction standards.

The access road right-of-way will be kept free of trash during all operations.

- J. The proposed access road route has been centerline staked.

3. Location of Existing Wells Within a One-Mile Radius:

Please Refer to Map "C"

- A. Water wells - none known.
- B. Abandoned wells - SW $\frac{1}{4}$ NE $\frac{1}{4}$, Section 33, T9S, R22E.
NE $\frac{1}{4}$ NE $\frac{1}{4}$, Section 4, T10S, R22E.
NE $\frac{1}{4}$ NE $\frac{1}{4}$, Section 5, T10S, R22E.
- C. Temporarily abandoned wells - none known.
- D. Disposal wells - none known.
- E. Drilling wells - none known.
- F. Producing wells - NW $\frac{1}{4}$ SE $\frac{1}{4}$, Section 32, T9S, R22E.
SW $\frac{1}{4}$ SW $\frac{1}{4}$, Section 33, T9S, R22E.
SW $\frac{1}{4}$ NW $\frac{1}{4}$, Section 33, T9S, R22E.
NE $\frac{1}{4}$ NW $\frac{1}{4}$, Section 33, T9S, R22E.
NE $\frac{1}{4}$ SE $\frac{1}{4}$, Section 33, T9S, R22E.
SE $\frac{1}{4}$ SE $\frac{1}{4}$, Section 33, T9S, R22E.
SW $\frac{1}{4}$ NW $\frac{1}{4}$, Section 3, T10S, R22E.
SW $\frac{1}{4}$ NW $\frac{1}{4}$, Section 4, T10S, R22E.
SW $\frac{1}{4}$ NE $\frac{1}{4}$, Section 4, T10S, R22E.
SW $\frac{1}{4}$ SE $\frac{1}{4}$, Section 4, T10S, R22E.
NW $\frac{1}{4}$ SW $\frac{1}{4}$, Section 4, T10S, R22E.
NE $\frac{1}{4}$ SE $\frac{1}{4}$, Section 5, T10S, R22E.
NW $\frac{1}{4}$ NE $\frac{1}{4}$, Section 5, T10S, R22E.

3. Location of Existing Wells Within a One-Mile Radius: Cont.

- F. Producing wells - SE $\frac{1}{4}$ NW $\frac{1}{4}$, Section 5, T10S, R22E.
NW $\frac{1}{4}$ NW $\frac{1}{4}$, Section 9, T10S, R22E.
- G. Shut-in wells - SE $\frac{1}{4}$ NE $\frac{1}{4}$, Section 32, T9S, R22E.
- H. Injection wells - none known.
- I. Monitoring wells - none known.

4. Location of Existing and/or Proposed Facilities Owned by Coastal Oil & Gas Corporation Within a One-Mile Radius:

A. Existing

- 1. Tank batteries - NW $\frac{1}{4}$ SE $\frac{1}{4}$, Section 32, T9S, R22E.
SE $\frac{1}{4}$ NE $\frac{1}{4}$, Section 32, T9S, R22E.
SW $\frac{1}{4}$ SW $\frac{1}{4}$, Section 33, T9S, R22E.
SW $\frac{1}{4}$ NW $\frac{1}{4}$, Section 33, T9S, R22E.
NE $\frac{1}{4}$ NW $\frac{1}{4}$, Section 33, T9S, R22E.
NE $\frac{1}{4}$ SE $\frac{1}{4}$, Section 33, T9S, R22E.
SE $\frac{1}{4}$ SE $\frac{1}{4}$, Section 33, T9S, R22E.
SW $\frac{1}{4}$ NW $\frac{1}{4}$, Section 3, T10S, R22E.
SW $\frac{1}{4}$ NW $\frac{1}{4}$, Section 4, T10S, R22E.
SW $\frac{1}{4}$ NE $\frac{1}{4}$, Section 4, T10S, R22E.
SW $\frac{1}{4}$ SE $\frac{1}{4}$, Section 4, T10S, R22E.
NW $\frac{1}{4}$ SW $\frac{1}{4}$, Section 4, T10S, R22E.
NE $\frac{1}{4}$ SE $\frac{1}{4}$, Section 5, T10S, R22E.
NW $\frac{1}{4}$ NE $\frac{1}{4}$, Section 5, T10S, R22E.
SE $\frac{1}{4}$ NW $\frac{1}{4}$, Section 5, T10S, R22E.
NW $\frac{1}{4}$ NW $\frac{1}{4}$, Section 9, T10S, R22E.
- 2. Production facilities - same as Item #4A1, above.
- 3. Oil gathering lines - none.
- 4. Gas gathering lines - same as Item #4A1, above.

B. New Facilities Contemplated

- 1. All production facilities will be located on the disturbed portion of the well pad and at a minimum of twenty-five (25) feet from the toe of the back-slope or top of the fill slope.
- 2. The production facilities (consisting primarily of a christmas tree at the well head, dehydration unit, and emergency pit) will require an area approximately 300' X 135'.

A diagram showing the proposed production facility layout will be submitted to the Authorized Officer via "Sundry Notice" (Form #3160-5) for approval of subsequent installation operations.

4. Location of Existing and/or Proposed Facilities Owned by Coastal Oil & Gas Corporation Within a One-Mile Radius:

B. New Facilities Contemplated - Continued

3. Production facilities will be accommodated on the existing well pad. Construction materials required for installation of the production facilities will be obtained from the site; any additional materials required will be purchased from a local supplier having a permitted (private) source of materials within the area.

A dike will be constructed completely around those production facilities which contain fluids (i.e. production tanks, produced water tanks and/or heater/treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

4. All permanent (on-site for six months or longer) above-the-ground structures constructed or installed including pumping units) will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the Five (5) State Rocky Mountain Interagency Committee.

All production facilities will be painted within six (6) months of installation. Facilities required to comply with Occupational Health and Safety Act Rules and Regulations will be excluded from this painting requirement.

The required paint color is Carlsbad Canyon, Munsell standard color number 2.5Y 6/2.

- C. The production (emergency) pit will be fenced with woven wire mesh topped with one strand of barbed wire held in place with metal side posts and wooden corner "H" braces in order to protect both livestock and wildlife. Please refer to Item #9E (page #9) for additional information regarding these fencing specifications.
- D. During drilling and subsequent operations, all equipment and vehicles will be confined to the access road right-of-way and any additional areas as specified in the approved Application for Permit to Drill.

4. Location of Existing and/or Proposed Facilities Owned by Coastal Oil & Gas Corporation Within a One-Mile Radius:

Continued

E. Reclamation of disturbed areas no longer needed for operations will be accomplished by grading, leveling and seeding as recommended by the Authorized Officer, Bureau of Land Management.

5. Location and Type of Water Supply:

A. Fresh water for drilling will be obtained from an existing water well and reservoir: Uintah #1, owned by Target Trucking, Inc. and located in the SE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 16, Township 10 South, Range 21 East, Uintah County, Utah; permit #49-991 (A57530).

B. Water will be transported over existing roads via tank truck from the point of diversion to the proposed NBU #170 well location. No new construction will be required on/along the proposed water haul route. No off-lease/unit federal lands will be crossed on/along the proposed water haul route.

C. No water well will be drilled on this location.

6. Source of Construction Materials:

A. Construction materials needed for surfacing of the well pad will be obtained from a local contractor having a permitted (private) source of materials in the area. Refer to Item #2G (page #2) regarding any construction materials which may be required on the access road.

B. No construction materials will be taken from Federal and/or Indian lands without prior approval from the appropriate Surface Management Agency.

C. If production is established, any additional construction materials needed for surfacing the access road and installation of production facilities will be purchased from a local supplier having a permitted (private) source of materials in the area.

D. No new access roads for construction materials will be required.

7. Methods of Handling Waste Materials:

A. Cuttings - the cuttings will be deposited in the reserve/blooiie pit.

7. Methods of Handling Waste Materials: Continued

- B. Drilling fluids - including salts and chemicals will be contained in the reserve/blooiie pit.

Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within ninety (90) days after termination of drilling and completion activities.

In the event adverse weather conditions prevent removal of the fluids from the reserve pit within this time period, an extension may be granted by the Authorized Officer upon receipt of a written request from Coastal Oil & Gas Corporation.

The reserve pit will be constructed so as not to leak, break, or allow discharge.

- C. Produced fluids - liquid hydrocarbons produced during completion operations will be placed in test tanks on the location. Produced waste water will be confined to a lined pit (reserve pit) or storage tank for a period not to exceed ninety (90) days after initial production.

During this ninety (90) day period, in accordance with NTL-2B, an application for approval of a permanent disposal method and location, along with the required water analysis, shall be submitted to the Authorized Officer for approval. Failure to file an application within the time frame allowed will be considered as an incidence of noncompliance.

Any spills of oil, gas, salt water or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

- D. Sewage - self-contained, chemical toilets will be provided by Rocket Sanitation for human waste disposal. Upon completion of operations, or as needed, the toilet holding tanks will be pumped and the contents thereof disposed of in the nearest, approved, sewage disposal facility.
- E. Garbage and other waste material - garbage, trash and other waste materials will be collected in a portable, self-contained and fully-enclosed trash cage during drilling and completion operations.

7. Methods of Handling Waste Materials: Continued

- E. Garbage and other waste material - upon completion of operations (or as needed) the accumulated trash will be disposed of at an authorized sanitary landfill. No trash will be burned on location or placed in the reserve pit.
- F. Immediately after removal of the drilling rig, all debris and other waste materials not contained in the trash cage will be cleaned up and removed from the well location. No adverse materials will be left on the location. Any open pits will be fenced during the drilling operation and the fencing will be maintained until such time as the pits are backfilled.

8. Ancillary Facilities:

None anticipated.

9. Wellsite Layout:

- A. Figure #1 shows the drill site layout as staked. Cross sections have been drafted to visualize the planned cuts and fills across the location. A minimum of six (6) inches of topsoil will be stripped from the location (including areas of cut, fill, and/or subsoil storage) and stockpiled for future reclamation of the well site. Refer to Figure #1 for the location of the topsoil and subsoil stockpiles.
- B. Figure #1 is a diagram showing the rig layout. No permanent living facilities are planned. There will be one (1) trailer on location during drilling operations for the toolpusher.
- C. A diagram showing the proposed production facility layout will be submitted to the Authorized Officer via Sundry Notice (Form #3160-5) for approval of subsequent operations. Refer to Item #4B2 (page #4) for additional information in this regard.
- D. If porous subsoil materials (gravel, scoria, sand, faulted rock structures, etc.) are encountered during reserve pit construction, an impervious liner will be installed in order to prevent drilling water loss through seepage. We do not anticipate the need for a pit liner at this time.
- E. Prior to the commencement of drilling operations, the reserve pit will be fenced "sheep tight" on three (3) sides.

9. Wellsite Layout: Continued

E. This fence will be installed according to the following minimum standards:

1. 39-inch net wire shall be used with at least one (1) strand of barbed wire on top of the net wire. The barbed wire is not necessary IF pipe or some type of reinforcement rod is attached to the top of the entire fence.
2. The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least 42 inches.
3. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
4. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen feet.
5. All wire shall be stretched tight before the wire is attached to the corner braces. Pulling the wire tight by hand without the use of a stretching device will not be acceptable.

The fourth side of the reserve pit will be fenced immediately upon removal of the drilling rig and the fencing will be maintained until the pit is backfilled.

F. Any hydrocarbons on the pit will be removed as soon as possible after drilling operations have been completed.

10. Plans for Reclamation of the Surface:

A. Production

1. Immediately upon well completion, the well location and surrounding area(s) will be cleared of all debris, materials, trash and junk not required for production.
2. Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with 43 CFR 3162.7-1.

10. Plans for Reclamation of the Surface:

A. Production - Continued

3. Before any dirt work to restore the location takes place, the reserve pit will be completely dry and all cans, barrels, pipe, etc. will be removed. Other waste and spoil materials will be disposed of immediately upon completion of drilling and workover activities.
4. The reserve pit and that portion of the location and access road not needed for production facilities and/or operations will be reclaimed within ninety (90) days from the date of well completion, weather permitting.
5. For production, the fill slopes will be reduced from a 1.5:1 slope to a 3:1 slope and the cut slopes will be reduced from a 1.5:1 slope to a 3:1 slope by pushing the fill material back up into the cut.
6. Upon completion of backfilling, leveling and re-contouring, the stockpiled topsoil will be evenly spread over the reclaimed area(s).

Prior to reseeding, all disturbed surfaces (including the access road and location) will be scarified and left with a rough surface. No depressions will be left that would trap water and form ponds. All disturbed surfaces (including the access road and well pad areas) will be reseeded with a seed mixture to be recommended by the Authorized Officer, Bureau of Land Management.

Seed will be drilled on the contour to an approximate depth of one-half (1/2) inch. All seeding will be conducted after September 15 and prior to ground frost.

B. Dry Hole/Abandoned Location

1. At such time as the well is physically plugged and abandoned, Coastal Oil & Gas Corporation will submit a "Subsequent Report of Abandonment" to the Authorized Officer for approval.

10. Plans for Reclamation of the Surface:

B. Dry Hole/Abandoned Location - Continued

1. At that time, the Bureau of Land Management will formulate the appropriate surface rehabilitation requirements and attach them as the conditions of approval for final abandonment.

11. Surface Ownership:

The well site and proposed access road are situated on surface estate owned by the United States of America and administered by:

Area Manager
Book Cliffs Resource Area Office
Bureau of Land Management
170 South 500 East
Vernal, Utah 84078
Phone: (801) 789-1362

12. Other Information:

- A. General Description of the Project Area: The proposed drill site is located within the Natural Buttes Unit in an area of northeastern Utah and more specifically in an area of moderately eroded uplands located between the White River to the east, Bitter Creek to the southeast, Sand Wash to the west, Molly's Nipple to the northwest, and the Green River to the far west.

This area is classified as a "High Plains Steppe" (Cold Desert) and is characterized by gently to moderately undulated uplands dissected by numerous dendritically-patterned, ephemeral drainages of both the Green and White Rivers. Local flora consists primarily of native grasses such as salt grass, galleta grass, needle-and-thread grass, Indian ricegrass; and woody species such as shadscale, horsebrush, black sagebrush, fringe sagebrush, big sagebrush, rabbitbrush, and greasewood along the dry drainages. Local fauna consists primarily of mule deer, antelope, coyotes, rabbits, raptors, and various smaller vertebrate and invertebrate species.

There are no known threatened or endangered species that will be affected by implementation of operations on the proposed NBU #170 well location.

12. Other Information: Continued

- B. Surface Use Activities: The primary surface use is for grazing.
- C. Proximity of Water, Occupied Dwellings, Archaeological, Historical or Cultural Sites:
1. The closest source of permanent water is the White River, located approximately two (2) miles to the east of the proposed well location.
 2. The closest occupied dwellings are located in the community of Ouray, approximately fifteen (15) miles to the northwest of the proposed well location.
 3. Coastal Oil & Gas Corporation will be responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites or for collecting artifacts.

If historic or archaeological materials are uncovered, Coastal Oil & Gas Corporation will suspend all operations that might further disturb such materials and immediately contact the Authorized Officer.

Within five (5) working days the Authorized Officer will inform Coastal Oil & Gas Corporation as to:

- whether the materials appear eligible for the National Register of Historic Places;
- the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and
- a time frame for the Authorized Officer to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the Authorized Officer are correct and that mitigation is appropriate.

12. Other Information:

C. Proximity of Water, Occupied Dwellings, Archaeological, Historical or Cultural Sites: Continued

3. If Coastal Oil & Gas Corporation wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the Authorized Officer will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, Coastal Oil & Gas Corporation will be responsible for mitigation costs.

The Authorized Officer will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the Authorized Officer that the required mitigation has been completed, Coastal Oil & Gas Corporation will then be allowed to resume construction.

D. Additional Stipulations for Operations on Lands Administered by the Bureau of Land Management:

1. Coastal Oil & Gas Corporation will control noxious weeds along rights-of-way for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds may be obtained from the Bureau of Land Management, or the Uintah County Extension Office. On lands administered by the Bureau of Land Management, it is required that a "Pesticide Use Proposal" shall be submitted, and approval obtained, prior to the application of herbicides or other pesticides or possible hazardous chemicals for the control of noxious weeds.
2. Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on federal lands after conclusion of drilling operations or at any other time without the proper authorization from the Bureau of Land Management. However, if BLM authorization is obtained, it is only a temporary measure to allow Coastal Oil & Gas Corporation the time to make arrangements for permanent storage at a commercial facility.

12. Other Information:

D. Additional Stipulations for Operations on Lands
Administered by the Bureau of Land Management: Cont.

3. Coastal Oil & Gas Corporation shall contact the Bureau of Land Management between 24 and 48 hours prior to commencement of construction activities on the access road and/or well location: (801) 789-1362.
4. One (1) erosion control structure will be constructed in a minor drainage directly adjacent to the proposed well location. Please refer to Figure #1 for the proposed location of this erosion control structure.
5. The Bureau of Land Management shall be notified upon site completion and prior to moving drilling tools onto the location.

13. Lessee's or Operator's Representative and Certification:

Representative

Coastal Oil & Gas Corporation
Randy L. Bartley, Operations Manager
P.O. Box 749
Denver, Colorado 80201-0749
Phone: (303) 572-1121

Heitzman Drill-Site Services*
Dale Heitzman and/or Robert M. Anderson
P.O. Drawer 3579
Casper, Wyoming 82602
Phone: (307) 266-4840

* Contact for any additional information which may be required for approval of this Application for Permit to Drill.

Certification

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil & Gas Orders, the approved plan of operations, and any applicable Notice to Lessees.

13. Lessee's or Operator's Representative and Certification:

Certification - Continued

Coastal Oil & Gas Corporation will be fully responsible for the actions of their subcontractors.

A complete copy of the approved Application for Permit to Drill will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Coastal Oil & Gas Corporation, its' contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

10 December 1991
Date


Robert M. Anderson/Authorized Agent

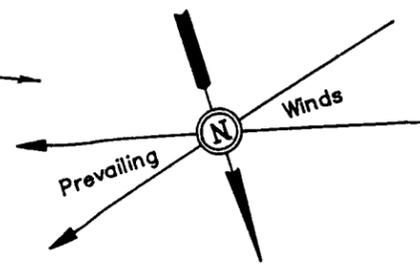
COASTAL OIL & GAS CORP.

LOCATION LAYOUT FOR
 NBU #170
 SECTION 4, T10S, R22E, S.L.B.&M.

RECEIVED

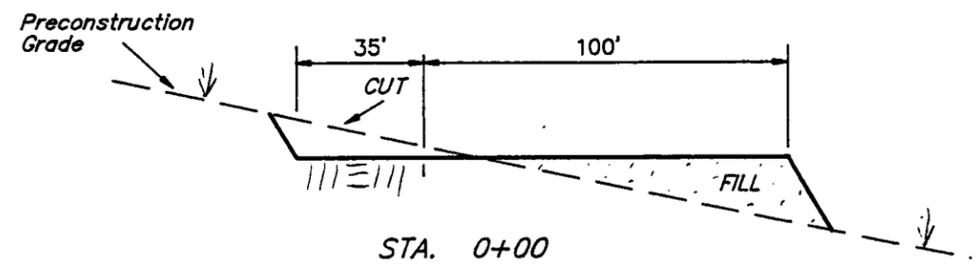
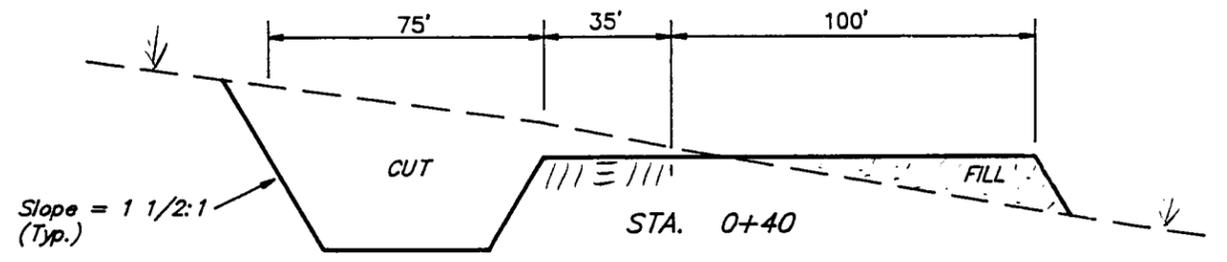
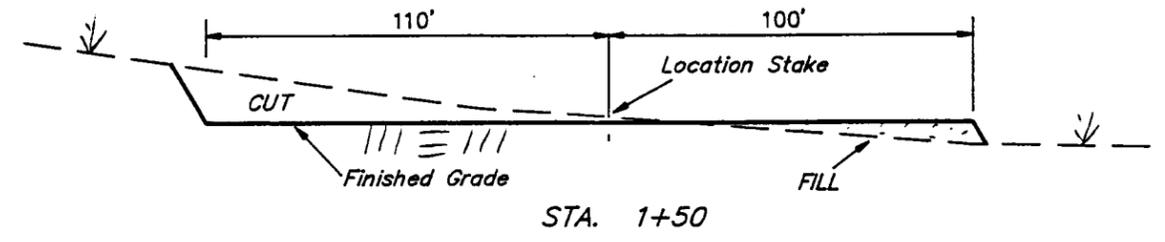
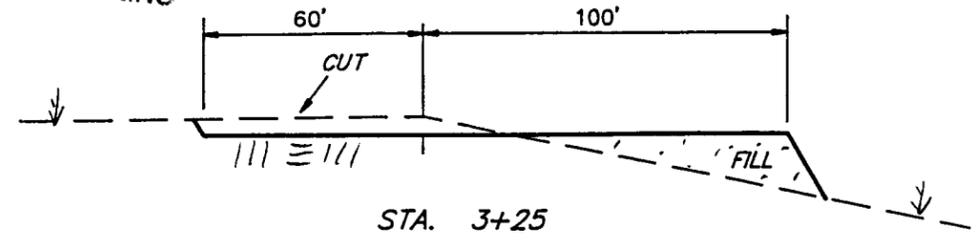
DEC 17 1991

DIVISION OF
 OIL GAS & MINING



SCALE: 1" = 50'
 DATE: 10-18-91
 Drawn By: MDA
 Revised: 12-5-91

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



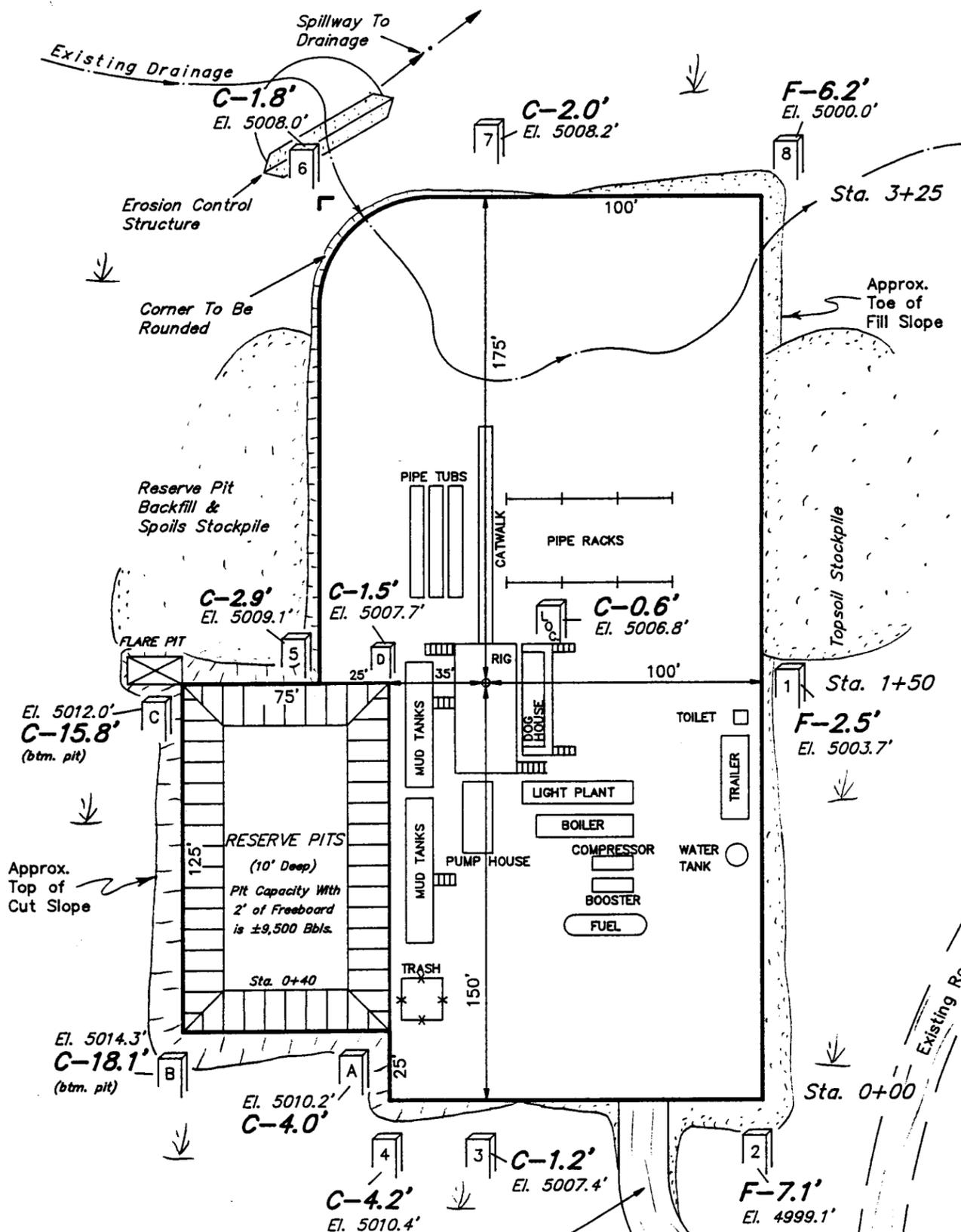
TYP. LOCATION LAYOUT
 TYP. CROSS SECTIONS

NOTES:

Elev. Ungraded Ground At Loc. Stake = **5006.8'**
 FINISHED GRADE ELEV. AT LOC. STAKE = **5006.2'**

FIGURE #1

UINTAH ENGINEERING & LAND SURVEYING
 85 South 200 East Vernal, Utah



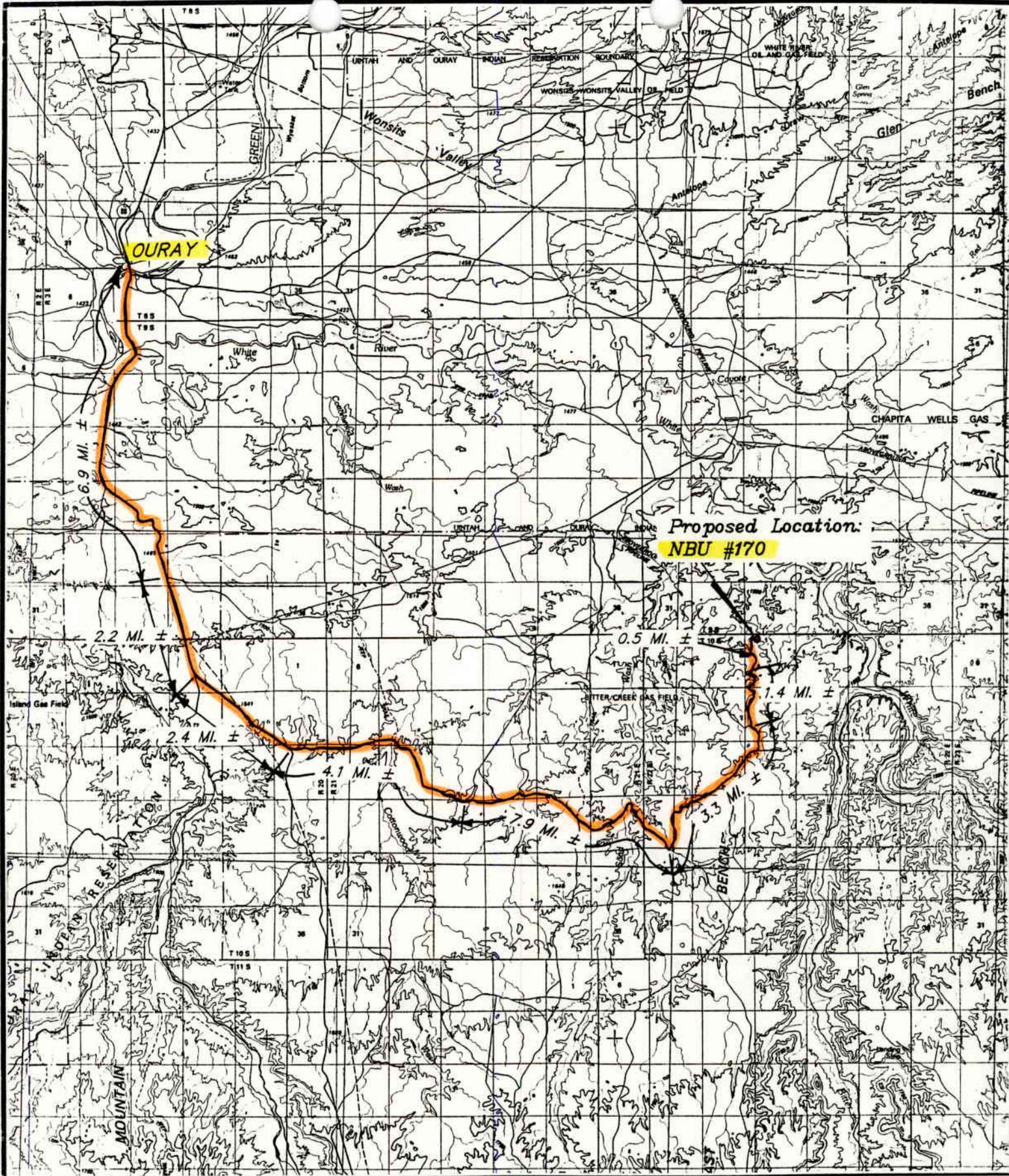
APPROXIMATE YARDAGES

CUT (6") Topsoil Stripping	= 1,070 Cu. Yds.
Remaining Location	= 4,850 Cu. Yds.
TOTAL CUT	= 5,920 CU.YDS.
FILL	= 3,450 CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION	= 2,290 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 2,290 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 0 Cu. Yds.

Existing Road

Proposed Access Road



TOPOGRAPHIC
MAP "A"

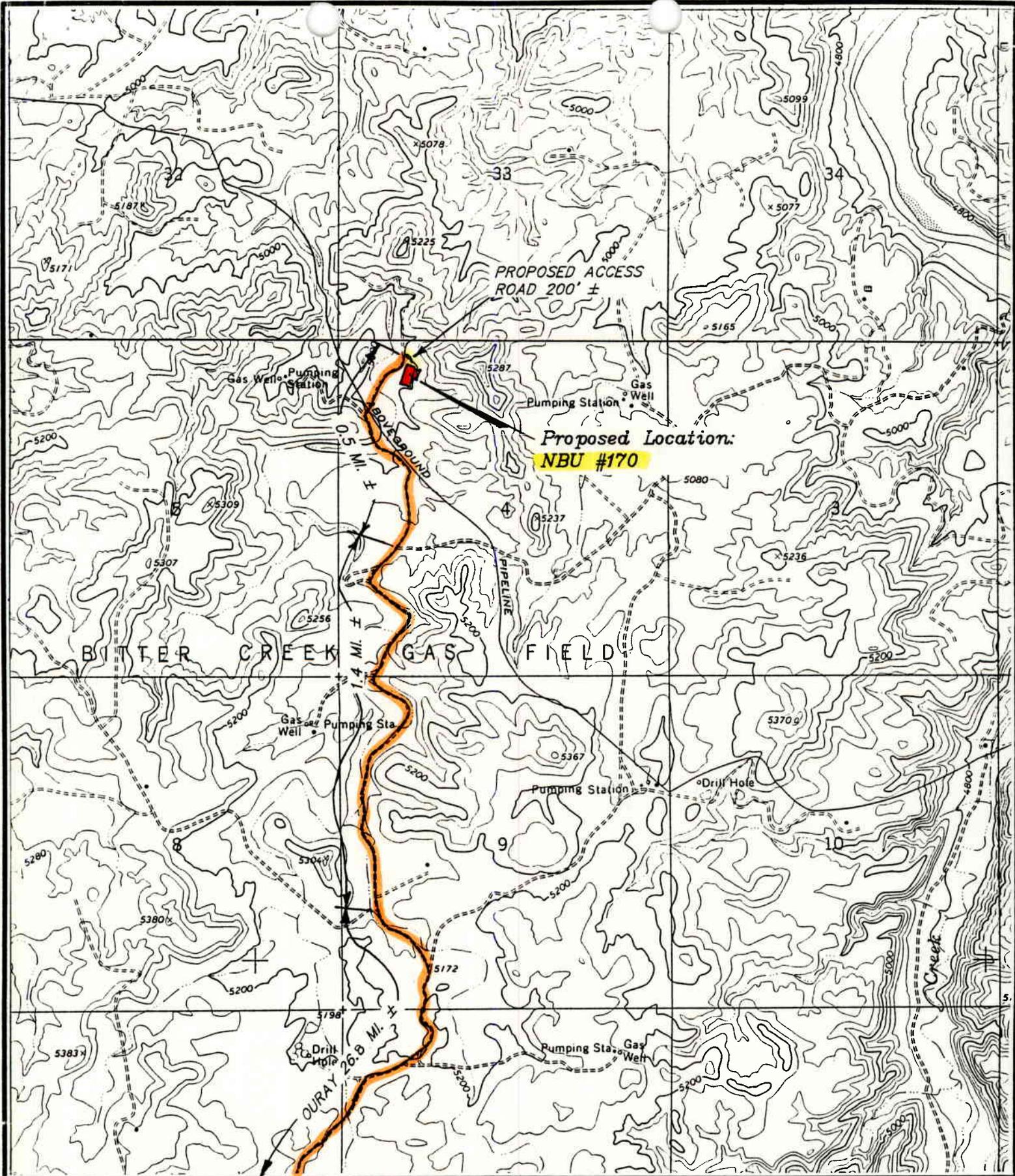
DATE 10-21-91 MDA



COASTAL OIL & GAS CORP.

NBU #170
SECTION 4, T10S, R22E, S.L.B.&M.

Revised 10-28-91 MDA



TOPOGRAPHIC
 MAP "B"
 SCALE: 1" = 2000'
 DATE 10-21-91 MDA



COASTAL OIL & GAS CORP.

NBU #170
 SECTION 4, T10S, R22E, S.L.B.&M.
 Revised 10-28-91 MDA

OPERATOR Coastal Oil Gas N-237 DATE 6-18-91

WELL NAME NBD 170

SEC NW 4 T 10S R WE COUNTY Mintah

43-047-30169
API NUMBER

Lease (1)
TYPE OF LEASE

CHECK OFF:

PLAT.

BOND

NEAREST WELL

LEASE

FIELD

POTASH OR OIL SHALE

PROCESSING COMMENTS:

Included in 4th supplemental POD app: 10.9.91
water permit 49-991 (A57530) layout trucking
Oil shale area
91 POD shows well in NE NW

APPROVAL LETTER:

SPACING:

R615-2-3

Antinatal Buttes
UNIT

R615-3-2

N/A

CAUSE NO. & DATE

R615-3-3

STIPULATIONS:

1- Oil shale area



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

December 20, 1991

Coastal Oil and Gas Corporation
P.O. Box 749
Denver, Colorado 80201-0749

Gentlemen:

Re: NBU 170 Well, 549 feet from the north line, 1169 feet from the west line, NW 1/4 NW 1/4, Section 4, Township 10 South, Range 22 East, Uintah County, Utah

Pursuant to Utah Code Ann. § 40-6-18, (1953, as amended), Utah Admin. R. 615-2-3, and Utah R. 615-3-4, approval to drill the referenced well is hereby granted.

In addition, the following specific actions are necessary to fully comply with this approval:

1. Compliance with the requirements of Utah Admin. R. 615-1 et seq., Oil and Gas General Rules.
2. Notification within 24 hours after drilling operations commence.
3. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
4. Submittal of the Report of Water Encountered During Drilling, Form 7.
5. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or R.J. Firth, Associate Director, (Home) (801)571-6068.
6. Compliance with the requirements of Utah Admin. R. 615-3-20, Gas Flaring or Venting, if the well is completed for production.

Page 2
Coastal Oil and Gas Corporation
NBU 170 Well
December 20, 1991

Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site should be submitted to the local health department. These drilling operations and any subsequent well operations should be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Department of Environmental Quality, Division of Drinking Water/Sanitation, telephone (801)538-6159.

This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-047-32169.

Sincerely,



R.J. Firth
Associate Director, Oil and Gas

ldc
Enclosures
cc: Bureau of Land Management
J.L. Thompson
WO11

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

2. NAME OF OPERATOR
 Coastal Oil & Gas Corporation

3. ADDRESS OF OPERATOR
 P. O. Box 749, Denver, Colorado 80201-0749

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface: 549' FNL, 1169' FWL (NW $\frac{1}{4}$ NW $\frac{1}{4}$) Section 4, T10S, R22E, (Lot 4)
 At proposed prod. zone: Same As Above

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approximately Fifteen (15) Miles Southeast of Ouray, Utah

10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 549'

16. NO. OF ACRES IN LEASE 1363.21

17. NO. OF ACRES ASSIGNED TO THIS WELL 80

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1100'±

19. PROPOSED DEPTH 5700'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5007' GR

22. APPROX. DATE WORK WILL START* April 1, 1992

5. LEASE DESIGNATION AND SERIAL NO. UTU-01191A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME Not Applicable

7. UNIT AGREEMENT NAME Natural Buttes

8. FARM OR LEASE NAME NBU

9. WELL NO. 170

10. FIELD AND POOL, OR WILDCAT Natural Buttes

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 4, T10S, R22E

12. COUNTY OR PARISH Uintah

13. STATE Utah

RECEIVED
MAR 09 1992
DIVISION OF OIL GAS & MINING

23. (ALL NEW) PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8" K-55	24.0#	0- 250'	180 sx Circulated to Surface *
7-7/8"	5-1/2" K-55	17.0#	0-5700'	852 sx Circulated to Surface *

* Cement volumes may change due to hole size.
Calculate from Caliper log.

EIGHT-POINT RESOURCE PROTECTION PLAN ATTACHED.

I hereby certify that Coastal Oil & Gas Corporation is authorized by the proper Lease Interest Owners to conduct lease operations associated with this Application for Permit to Drill the NBU #170, Federal Lease # UTU-01191A. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Coastal Oil & Gas Corporation, Nationwide Bond # CO-0018, who will be responsible for compliance with all the terms and conditions of that portion of the lease associated with this Application.

DEC 1991

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 Charles E Mowry TITLE District Drilling Manager DATE December 5, 1991
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY [Signature] TITLE ASSISTANT DISTRICT MANAGER MINES DATE MAR 5 1992
 CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

*See Instructions On Reverse Side

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

47080-200-064

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

Company/Operator Coastal Oil & Gas Corporation

Well Name & Number NBU 170

Lease Number U-01191-A

Location NENW Sec. 4 T.10 S. R.22 E.

Surface Ownership Federal

NOTIFICATION REQUIREMENTS

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

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

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company Coastal Oil and Gas Corporation Well No. NBU 170

Location NWNW, Section 4, T10S, R22E Lease No. U - 01191 - A

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

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

A. DRILLING PROGRAM

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

Report ALL water shows and water-bearing sands to Tim Ingwell of this office. Copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

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

2. Pressure Control Equipment

Chart recorders shall be used for all pressure tests.

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

3. Casing Program and Auxiliary Equipment

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

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the top of the Mahogany oil shale, identified at \pm 2,052 ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

4. Mud Program and Circulating Medium

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

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

5. Coring, Logging and Testing Program

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

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

A cement bond log (CBL) shall be utilized to determine the top of cement (TOC) and bond quality for the production casing.

6. Notification of Operations

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

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

All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to.

7. Other Information

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

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

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

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

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

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

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

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

EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

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

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

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

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

Refinery wastes

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

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation and miscellaneous solids.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.
UTU-01191A

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

7. If Unit or CA, Agreement Designation
Natural Buttes Unit

8. Well Name and No.
NBU #170

9. API Well No.
43-047-32169

10. Field and Pool, or Exploratory Area
Natural Buttes

11. County or Parish, State
Uintah County, Utah

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Coastal Oil & Gas Corporation

3. Address and Telephone No.
P. O. Box 749 Denver, CO 80201-0749 (303) 573-4476

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
**549' FNL & 1169' FWL (NW/NW)
Section 4, T10S-R22E (Lot 4)**

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other Pipeline Right-of-Way
	<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.)

Coastal Oil & Gas Corporation requests a right-of-way to install a 4" gas pipeline from the NBU #170 gas well and tie into the existing gas pipeline. This right-of-way will be located in Section 4, T10S-R22E, within lease UTU-01191A and within the Natural Buttes Unit boundaries. Coastal requests a 30' width easement with a total slope distance of ±1144'. There will be minimum surface disturbance as the pipeline will be laid on the surface. Please see the attached topographic map which illustrates this proposed right-of-way.

ACCEPTED BY THE SUPERVISOR
OF DIVISION OF
OIL GAS & MINING

DATE: 3-10-92

BY: JM Matthews

RECEIVED
MAR 09 1992
DIVISION OF
OIL GAS & MINING

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

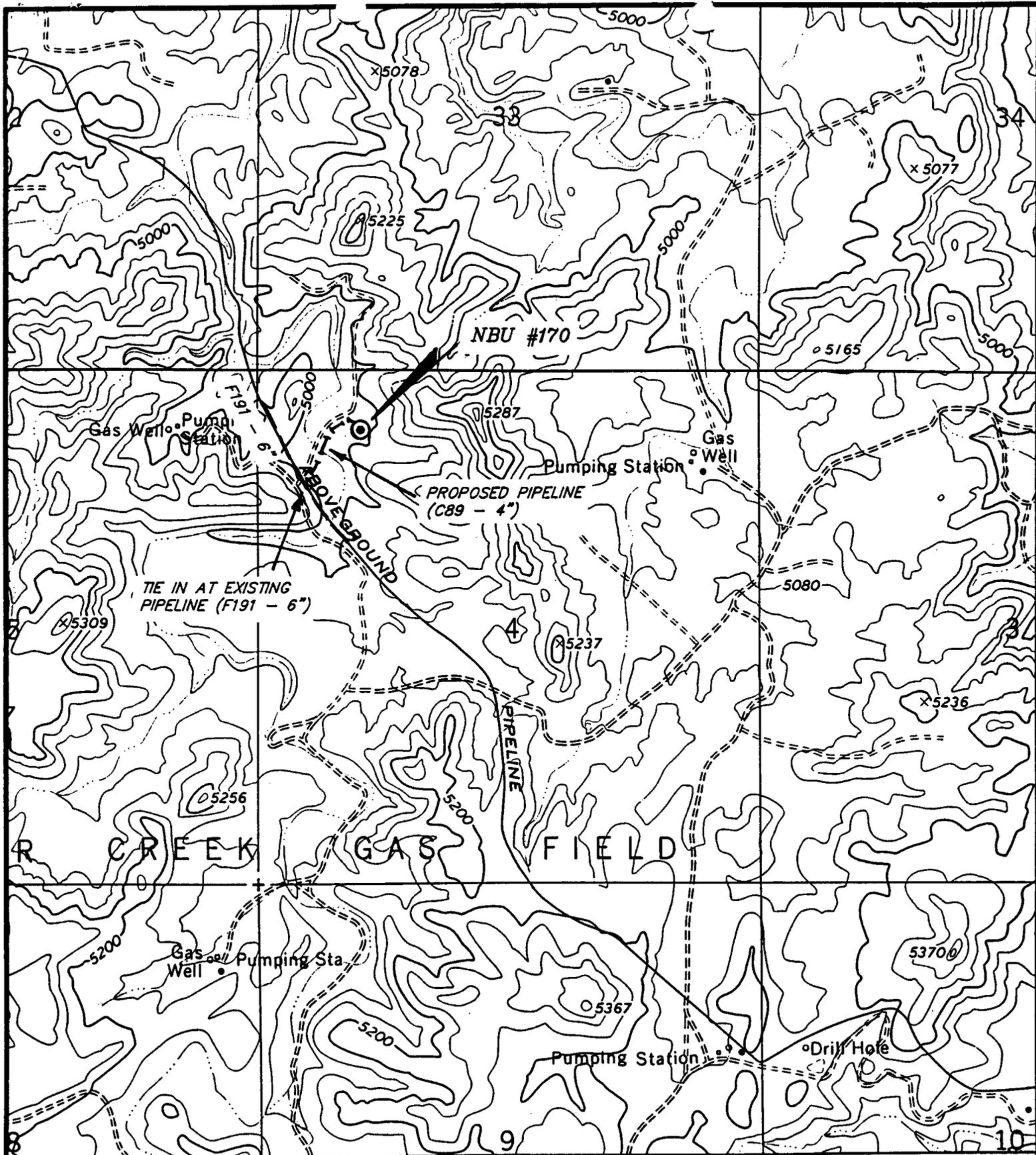
Signed *Cheryl Ann Dey* Title Regulatory Analyst Date 3/4/92

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any: _____

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



TOTAL PIPELINE SLOPE DISTANCE = 1,144'

TOPOGRAPHIC
MAP "D"

LEGEND

- EXISTING PIPELINE
- +++++ Proposed Pipeline



COASTAL OIL & GAS CORP.

PROPOSED PIPELINE RIGHT-OF-WAY FOR
NBU #170
SECTION 4, T10S, R22E, S.L.B.&M.

DATE: 1-15-92

[Handwritten signature]

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Coastal Oil & Gas Corporation

3. Address and Telephone No.

P. O. Box 749 Denver, CO 80201-0749 (303) 573-4476

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

549' FNL & 1169' FWL (NW/NW)
Section 4, T10S-R22E

5. Lease Designation and Serial No.

UTU-01191A

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

Natural Buttes Unit

8. Well Name and No.

NBU #170

9. API Well No.

43-047-32169

10. Field and Pool, or Exploratory Area

Natural Buttes

11. County or Parish, State

Uintah County, Utah

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

TYPE OF SUBMISSION

Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other Report of Spud
 Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-Off
 Conversion to Injection
 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.)*

MIRU Leon Ross Drilling, Inc. Spudded surface hole @ 10:00 a.m., 3/25/92. Drilled 12-1/4" hole to 265' GL. Ran 6 joints, 8-5/8", 24#, K-55, ST&C casing and set @ 272' KB. Cemented w/150 sx Premium Plus AG cement. No returns. Pumped 50 sx down backside. Cemented to surface.

RECEIVED

APR 02 1992

DIVISION OF
OIL GAS & MINING

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

Signed *Alleen Datta Dey*
(This space for Federal or State office use)

Title Regulatory Analyst

Date 3/30/92

Approved by _____ Title _____ Date _____
Conditions of approval, if any: _____

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

*See instruction on Reverse Side

ENTITY ACTION FORM - FORM 6

OPERATOR Coastal Oil & Gas Corporation
ADDRESS P. O. Box 749
Denver, CO 80201-0749

OPERATOR ACCT. NO. M 0730

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	2900 →		43-047-32036	CIGE #127-16-9-21	NESW	16	9S	21E	Uintah	3/19/92	3/19/92
WELL 1 COMMENTS: FOR CIG Exploration <i>Entities added 4-7-92. J.R.</i>											
B	2900 →		43-047-31968	NBU #136	SWSE	19	9S	22E	Uintah	3/23/92	3/23/92
WELL 2 COMMENTS:											
B	2900 →		43-047-32169	NBU #170	NWNW	4	10S	22E	Uintah	3/25/92	3/25/92
WELL 3 COMMENTS:											
B	2900 →		43-047-32168	CIGE #161-2-10-22	SESE	2	10S	22E	Uintah	3/17/92	3/17/92
WELL 4 COMMENTS: FOR CIG Exploration											
WELL 5 COMMENTS:											

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

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

(3/89)

RECEIVED

FEB 02 1992

DIVISION OF
OIL GAS & MINING

Eileen Danni Dey
Signature Eileen Danni Dey

Regulatory Analyst 3/30/92
Title Date

Phone No. (303) 573-4476

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APR 17 1992

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

DIVISION OF
OIL, GAS & MINING
SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Coastal Oil & Gas Corporation

3. Address and Telephone No.

P. O. Box 749 Denver, CO 80201-0749 (303) 573-4476

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

See Attached List

5. Lease Designation and Serial No.

See Attached List

6. If Indian, Allottee or Tribe Name

See Attached List

7. If Unit or CA, Agreement Designation

Natural Buttes Unit

8. Well Name and No.

See Attached List

9. API Well No.

See Attached List

10. Field and Pool, or Exploratory Area

Natural Buttes

11. County or Parish, State

Uintah County, Utah

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

TYPE OF SUBMISSION

TYPE OF ACTION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other NTL 2B; IV

- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-Off
- Conversion to Injection
- 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.)

Coastal Oil & Gas Corporation hereby requests permission to dispose of produced water in unlined pits per NTL-2B, IV, for the subject wells.

- 1) These wells are completed in the Wasatch formation and produce less than 5 barrels of water per day on a monthly basis.
- 2) Two unlined pits per location will be used due to the size and layout of the locations: 40' x 40' x 8' and 6' x 6' x 6' deep with berms surrounding them. Each pit will be fenced and will have cement corner posts per BLM specifications. (See the attached typical facilities diagram.)
- 3) The average evaporation rate for the area compensated for annual rainfall is 70" per year.
- 4) The estimated percolation rate based on the soil characteristics under and adjacent to the pits is 2-6" per hour.
- 5) The depth of usable water aquifers in this area is approximately 1500'.

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

Signed Eileen Danni Dey
(This space for Federal or State office use)

Title Regulatory Analyst Date 4/14/92

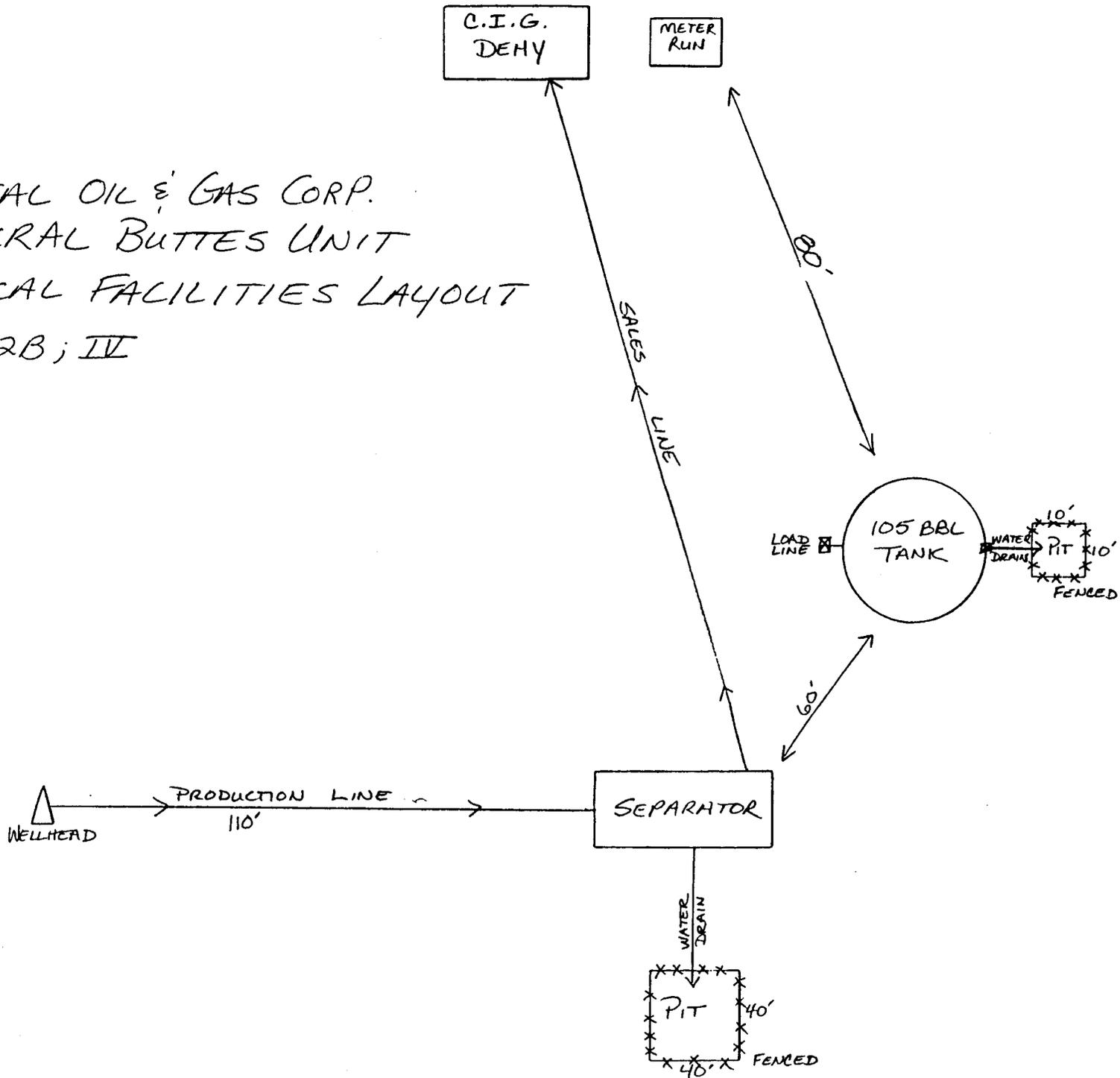
Accepted by the State
of Utah Division of
Oil, Gas and Mining

Date: 4-29-92

By: [Signature]

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.

COASTAL OIL & GAS CORP.
NATURAL BUTTES UNIT
TYPICAL FACILITIES LAYOUT
NTL-2B; IV



13-Apr-92

NATURAL BUTTES

JUNTAH COUNTY, UTAH

WELL #	LOCATION			RGE	STATE OR BLM		API NUMBER
	QUAD	SEC	TWP		LEASE #	SURFACE	
NBU #103	SENW	10	9	21	U-0141315	UTE	43-047-31956
NBU #104	SENE	16	9	21	ST ML-3282	UTE	43-047-31957
NBU #105	SWSW	17	9	21	U-0575	UTE	43-047-31955
NBU #106	NESW	21	9	21	U-0576	UTE	43-047-31946
NBU #107	SENW	26	9	21	ST ML-01194	STATE	43-047-31916
NBU #108	SESE	19	9	22	U-0284	UTE	43-047-31958
NBU #109	SENE	27	9	21	ST U-01194-A	STATE	43-047-31917
NBU #110	NENE	28	9	21	U-0576	FED.	43-047-31924
NBU #111	SWNW	25	9	21	ST U-01194	STATE	43-047-31920
NBU #112	SESE	33	9	22	U-01191	FED.	43-047-31930
NBU #113	SESE	34	9	22	U-0149077	FED.	43-047-31931
NBU #114	SWSW	5	10	21	U-01393-D	FED.	43-047-31923
NBU #115	NENW	10	10	21	U-0149079	FED.	43-047-31929
NBU #116	NWNW	6	10	22	U-464	FED.	43-047-31925
NBU #117	NENE	10	10	22	ST UT-01197-A	STATE	43-047-31914
NBU #118	SENE	22	9	20	U-0577-B	UTE	43-047-31969
NBU #119	SENW	22	9	20	U-0577-B	UTE	43-047-31973
NBU #120	NWNW	10	9	21	U-0141315	UTE	43-047-31972
NBU #121	NWNE	13	9	21	U-01193	UTE	43-047-
NBU #122	SWSE	13	9	21	U-01193	UTE	43-047-32085
NBU #123	NWNW	15	9	21	U-01188	UTE	43-047-31974
NBU #124	NWNE	16	9	21	ST ML-3282	UTE	43-047-31971
NBU #125	NESE	17	9	21	U-0575	UTE	43-047-32090
NBU #126	NENW	21	9	21	U-0576	UTE	43-047-31962
NBU #127	SWNW	21	9	21	U-0576	UTE	43-047-31963
NBU #128	SWSW	21	9	21	U-0576	UTE	43-047-31964
NBU #129	SENE	22	9	21	U-010950-A	UTE	43-047-31965
NBU #130	SWNW	22	9	21	U-0147566	UTE	43-047-31967
NBU #131	NWSW	23	9	21	U-0149075	UTE	43-047-31966
NBU #132	NWNW	26	9	21	ST U-01194	STATE	43-047-31938
NBU #133	SWNE	28	9	21	U-0576	FED.	43-047-31950
NBU #134	SWSW	28	9	21	U-0576	FED.	43-047-32011
NBU #135	NESE	18	9	22	U-461	UTE	43-047-32089
NBU #136	SWSE	19	9	22	U-0284	UTE	43-047-31968
NBU #137	SESE	30	9	22	ST ML-22935	STATE	43-047-31939
NBU #138A	SENE	33	9	22	U-01191-A	FED.	43-047-32151
NBU #139	SWNE	14	10	21	U-465	FED.	43-047-31948
NBU #140	NWNE	5	10	22	U-01191A	FED.	43-047-31947
NBU #141	SENW	6	10	22	U-464	FED.	43-047-32017
NBU #142	NESE	10	10	22	U-025187	FED.	43-047-32013
NBU #143	NWNE	10	9	21	U-0141315	UTE	43-047-32088
NBU #144	NWNW	23	9	21	U-0149075	UTE	43-047-32044
NBU #145	NWNE	27	9	21	ST U-01194-A	STATE	43-047-31976
NBU #146	SWNW	14	10	21	U-465	FED.	43-047-31985
NBU #147	NWSW	4	10	22	U-01191	FED.	43-047-31984
NBU #148	SESW	4	10	22	U-01191	FED.	43-047-31983
NBU #149	NESE	5	10	22	U-01191	FED.	43-047-31982
NBU #150	SENW	9	10	22	U-01196-B	FED.	43-047-31992
NBU #151	NWNW	9	10	22	U-01196-B	FED.	43-047-31991
NBU #152	SESE	9	10	22	U-01196-D	FED.	43-047-31990
NBU #153	SWNW	11	10	22	ST U-01197-A	STATE	43-047-31975
NBU #154	NWSE	26	9	21	ST ML-22934	STATE	43-047-32003
NBU #155	SENW	31	9	22	ST ML-23607	STATE	43-047-32004
NBU #156	SWNW	35	9	21	ST U-01194	STATE	43-047-32005
NBU #157	SESW	32	9	22	ST ML-22649	STATE	43-047-32007
NBU #158	NWSE	27	9	21	ST U-01194-A	STATE	43-047-31997
NBU #159	NESW	35	9	21	ST U-01194	STATE	43-047-31996
NBU #160	SESW	31	9	22	ST ML-22935-A	STATE	43-047-32006
NBU #161	SESE	32	9	22	ST ML-22649	STATE	43-047-32023
NBU #162	SENW	12	10	20	U-4478	FED.	43-047-32066
NBU #163	NENW	14	10	21	U-465	FED.	43-047-32069
NBU #164	NWSE	3	10	22	U-01191-A	FED.	43-047-32055
NBU #165	NENW	3	10	22	U-01191	FED.	43-047-32057
NBU #166	SWSE	28	9	21	U-0576	FED.	43-047-32065
NBU #167	SESW	25	9	21	ST U-01194	STATE	43-047-32054
NBU #168	NWSW	12	10	20	U-4478	FED.	43-047-32117
NBU #169	SESW	12	10	20	U-4478	FED.	43-047-32118

13-Apr-92

NATURAL BUTTES

UINTAH COUNTY, UTAH

WELL #	LOCATION	STATE OR BLM	API
QUAD SEC TWP RGE	LEASE #	SURFACE	NUMBER
NBU #170	NWNW 4 10 22	U-01191-A	FED. 43-047-32169
NBU #171	SENE 5 10 22	U-01191-A	FED. 43-047-32115
NBU #172	NENE 19 9 22	U-0284	UTE 43-047-32194
NBU #173	NWNE 33 9 22	U-01191-A	FED. 43-047-32116
NBU #174	NWNW 11 9 21	U-0141315	UTE 43-047-32193
NBU #175	NENW 28 9 21	U-0576	FED. 43-047-32143
NBU #176	SWNW 28 9 21	U-0576	FED. 43-047-32144
NBU #177	NESE 29 9 21	U-0581	FED. 43-047-32112
NBU #178	NWNE 30 9 21	U-0581	FED. 43-047-32121
NBU #179	SWSW 10 10 21	U-01416-A	FED. 43-047-32145
NBU #180	SWSE 10 10 22	U-025187	FED. 43-047-32113
NBU #181	SESW 9 9 21	U-0576	UTE 43-047-32161
NBU #182	SENW 11 9 21	U-0141315	UTE 43-047-32162
NBU #183 ✓	SWNW 27 9 21	ST U-01194-A	STATE 43-047-32122
NBU #184	SESW 30 9 22	U-463	FED. 43-047-32170
NBU #185	SWNE 3 10 22	U-01191-A	FED. 43-047-32171
NBU #186	SENE 30 9 22	U-463	FED. 43-047-
NBU #187	SESW 34 9 22	U-0149077	FED. 43-047-
NBU #188	SWSW 10 10 22	U-01196-C	FED. 43-047-
NBU #189	SESW 23 9 21	U-0149075	UTE 43-047-
NBU #190 ✓	NWNE 26 9 21	ST U-01194	STATE 43-047-
CIGE 110-7-9-21	SWSE 7 9 21	U-0575-B	UTE 43-047-31959
CIGE 111-13-9-21	SESW 13 9 21	U-01193	UTE 43-047-31954
CIGE 112-19-9-21	SESE 19 9 21	U-0581	UTE 43-047-31945
CIGE 113-21-9-21	SWNE 21 9 21	U-0576	UTE 43-047-31944
CIGE 114-34-9-21	NESE 34 9 21	ST U-01194-A	STATE 43-047-31915
CIGE 115-35-9-21 ✓	NWNE 35 9 21	ST ML-22582	STATE 43-047-31918
CIGE 116-29-9-22 ✓	NWSW 29 9 22	ST ML-22935	STATE 43-047-31919
CIGE 117-34-9-22	SWNW 34 9 22	U-0149077	FED. 43-047-31928
CIGE 118-35-9-22	NESE 35 9 22	U-010954A	FED. 43-047-32025
CIGE 119-15-10-21	NENE 15 10 21	U-01416-A	FED. 43-047-31927
CIGE 120-15-9-20	SENE 15 9 20	U-0144868	UTE 43-047-32032
CIGE 121-15-9-20	NWNE 15 9 20	U-0144868	UTE 43-047-32031
CIGE 122-7-9-21	NENE 7 9 21	U-0149767	UTE 43-047-32098
CIGE 123-7-9-21	SWNE 7 9 21	U-0575-B	UTE 43-047-32047
CIGE 124-9-9-21	NWSE 9 9 21	U-01188	UTE 43-047-32045
CIGE 125-13-9-21	NWNW 13 9 21	U-01193	UTE 43-047-32084
CIGE 126-13-9-21	NWSW 13 9 21	U-01193	UTE 43-047-32087
CIGE 127-16-9-21	NESW 16 9 21	ST ML-3141	UTE 43-047-32036
CIGE 128-18-9-21	NENE 18 9 21	U-0575	UTE 43-047-32046
CIGE 129-18-9-21	NENW 18 9 21	U-0581	UTE 43-047-32043
CIGE 130-19-9-21	NENE 19 9 21	U-0581	UTE 43-047-32030
CIGE 131-19-9-21	SWNE 19 9 21	U-0581	UTE 43-047-32029
CIGE 132-20-9-21	NWSW 20 9 21	U-0575	UTE 43-047-32028
CIGE 133-35-9-21 ✓	SWSE 35 9 21	ST ML-22582	STATE 43-047-31978
CIGE 134-1-10-20	SWSW 1 10 20	U-02270-A	FED. 43-047-31989
CIGE 135-3-10-21	SWSW 3 10 21	U-0149078	FED. 43-047-32001
CIGE 136-4-10-21 ✓	SWNE 4 10 21	ST ML-22940	STATE 43-047-31979
CIGE 137-6-10-21	SENE 6 10 21	U-01791	FED. 43-047-31988
CIGE 138A-6-10-21	SENW 6 10 21	U-01791	FED. 43-047-31987
CIGE 139-10-10-21	SWNE 10 10 21	U-0149079	FED. 43-047-31986
CIGE 140-16-10-21 ✓	NENE 16 10 21	ST ML-10755	STATE 43-047-31977
CIGE 141-7-10-22 ✓	NWNE 7 10 22	ST ML-23609	STATE 43-047-31970
CIGE 142-25-9-21 ✓	SENE 25 9 21	ST U-01189	STATE 43-047-31994
CIGE 143-34-9-21 ✓	SWNE 34 9 21	ST U-01194-A	STATE 43-047-31995
CIGE 144-2-10-22 ✓	SWNE 2 10 22	ST ML-22651	STATE 43-047-32022
CIGE 145-29-9-22 ✓	SENW 29 9 22	ST ML-22935	STATE 43-047-31993
CIGE 146-16-10-21 ✓	NWNE 16 10 21	ST ML-10755	STATE 43-047-32021
CIGE 147-36-9-22 ✓	SESW 36 9 22	ST ML-22650	STATE 43-047-32020
CIGE 148-31-9-22 ✓	NWNE 31 9 22	ST ML-22935-A	STATE 43-047-32024
CIGE 149-8-10-21	NWNE 8 10 21	U-01791	FED. 43-047-32056
CIGE 150-9-10-21	SWNE 9 10 21	U-01416	FED. 43-047-32058
CIGE 151-10-10-21	SWSE 10 10 21	U-0149079	FED. 43-047-32059
CIGE 152-33-9-22	SESW 33 9 22	U-01191-A	FED. 43-047-32068
CIGE 153-35-9-22	SESW 35 9 22	U-010954-A	FED. 43-047-32067
CIGE 154-13-10-20	NWNW 13 10 20	U-4485	STATE 43-047-32119
CIGE 155-9-9-21	SENE 9 9 21	U-01188-B	UTE 43-047-32157

13-Apr-92

NATURAL BUTTES

UINTAH COUNTY, UTAH

WELL #	LOCATION				STATE OR BLM		API NUMBER
	QUAD	SEC	TWP	RGE	LEASE #	SURFACE	
CIGE 156-16-9-21	NESE	16	9	21	ST ML-3282	UTE	43-047-32195
CIGE 157-16-9-21	SWNW	16	9	21	U-38409	UTE	43-047-32160
CIGE 158-21-9-21	NESE	21	9	21	U-0576	UTE	43-047-32158
CIGE 159-6-10-21	NWNE	6	10	21	U-01791	FED.	43-047-32120
CIGE 160-14-10-21	SWSE	14	10	21	U-01393-C	FED.	43-047-32124
CIGE 161-2-10-22	SESE	2	10	22	ST ML-22651	STATE	43-047-32168
CIGE 162-36-9-22	SESE	36	9	22	ST ML-22650	STATE	43-047-32164
CIGE 163-15-9-21	SENE	15	9	21	U-01193	UTE	43-047-32192
CIGE 164-34-9-22	NWNE	34	9	22	U-0149077	FED.	43-047-32141
CIGE 165-1-10-20	SWNW	1	10	20	U-02270-A	FED.	43-047-32114
CIGE 166-3-10-21	NENW	3	10	21	U-0149078	FED.	43-047-32172
CIGE 167-7-10-21	NENE	7	10	21	U-01791	FED.	43-047-32142
CIGE 168-16-10-21	NWSE	16	10	21	ST ML-10755	STATE	43-047-32123
CIGE 169-2-10-21	SENW	2	10	21	ST ML-22652	STATE	43-047-

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

UTU-01191A

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA. Agreement Designation

Natural Buttes Unit

8. Well Name and No.

NBU #170

9. API Well No.

43-047-32169

10. Field and Pool, or Exploratory Area

Natural Buttes

11. County or Parish, State

Uintah County, Utah

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Coastal Oil & Gas Corporation

3. Address and Telephone No.

P. O. Box 749 Denver, CO 80201-0749 (303) 573-4476

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

549' FNL & 1169' FWL (NW/NW)
Section 4, T10S-R22E

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

TYPE OF SUBMISSION

Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other Report of Operations

Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-Off
 Conversion to Injection
 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.)*

Please see the attached chronological history for the drilling operations performed on the above referenced well.

RECEIVED

APR 20 1992

DIVISION OF
OIL GAS & MINING

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

Signed Heleen Hanna Dey Title Regulatory Analyst Date 4/15/92

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

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

*See instruction on Reverse Side

COASTAL OIL & GAS CORPORATION
CHRONOLOGICAL HISTORY

NBU #170
NATURAL BUTTES UNIT
UINTAH COUNTY, UTAH
COASTALDRIL #1
WI: 40% COGC AFE: 13575
ATD: 5600' (WASATCH) SD: 4/3/92
CSG: 8-5/8" @ 272'; 5-1/2" @ 5886'
DHC(M\$): 164.2

- 3/27/92 272' WORT. Spudded well at 10:00 a.m. w/Leon Ross. Drilled 12-1/4" hole to 265' GL. RIH w/6 jts 8-5/8" 24# K-55 8rd ST&C, 262.16'. Set at 272' KB. Cmt 8-5/8" csg w/150 sx Prem + AG w/2% CaCl₂ + 1/4#/sx Flocele. Displ w/14-3/4 bbls wtr, no returns. Pump 50 sx down backside. Cmt to surface. CC: \$11,536.
- 4/3/92 650' Drlg 378'/4.5 hrs. Spudded well at 1:00 a.m., 4/3/92. MI RURT. Test BOPE, U&L kelly cock, blind and pipe rams, chk manifold to 2000 psi/15 min/OK. Test hydril and csg to 1500 psi in 15 min/OK. No witness present from BLM. PU BHA. Drill cmt from 241'-272'. Drlg, svy: 1 deg @ 495'. Air mist, air 1200 CFM. CC: \$29,514.
- 4/4/92 2120' Drlg 1470'/22 hrs. Drlg, svys: 1 deg @ 1021'; 1-1/2 deg @ 1556'. Drlg, fill pipe to aerate. RS and chk BOP. Top of water 720', lost returns at 1397'. Drlg w/aerated wtr, MW 8.4, VIS 27. CC: \$38,190.
- 4/5/92 3220' Drlg 1100'/22.5 hrs. Svys: 1-1/2 deg @ 2093'; 1-1/2 deg @ 2566'; 1-1/4 deg @ 3067'. Drlg w/aerated DAP wtr. MW 8.4, VIS 27, 350 CFM. CC: \$51,404.
- 4/6/92 4270' Drlg 1050'/23 hrs. Drlg, RS and chk BOP. Drlg w/aerated DAP wtr. Svy: 1-3/4 deg @ 3573'. MW 8.4, VIS 27, 350 CFM. CC: \$58,230.
- 4/7/92 5040' Drlg 770'/23 hrs. Drlg, svy: 1/2 deg @ 4585'. RS and chk BOP. Drlg brks from 4826'-4842'; 4935'-4948'; 4954'-4967'; 4978'-5001', no gas shows in any. Aerated DAP water. MW 8.4, VIS 27, CFM 350. CC: \$80,441.
- 4/8/92 5660' Drlg 620'/23 hrs. Drlg, Svy: 3/4 deg @ 5216'. RS and work BOPE's. Drlg brks from 5083-5114' and 5286-5305'. Aerated DAP wtr. Air 350 CFM. CC: \$87,957.
- 4/9/92 5886' LD DP. 226'/8.5 hrs. Drlg, circ for short trip. Short trip to 4000'. Displace hole w/400 bbls 10 ppg brine. TOH and SLM - 5888.10, no corr. Log w/Halliburton. Ran DLL-GR-Cal from 5884-272'; DSN-Density 5884-2400'; logger's TD 5884'. TIH w/BHA. LD DP. Drlg brk from 5773-5786'. Boiler 18 hrs. Aerated DAP wtr. MW 8.4, VIS 28, AIR 400 CFM. CC: \$106,835.
- 4/10/92 5886' RDRT & prep to move to NBU #138A. LD DP and DC. RU csg crew and run shoe, FC, 134 jts 5-1/2" 17# K-55 LT&C csg. Tally run 5894.74'. FC 5838'. M joint 4097'. Clear csg w/rig pump. Cmt w/Howco as follows: pump 280 sx HiFill lead cmt w/1#/sx Capseal, 0.3% HR-7. Pump tail 660 sx 50-50 Poz cmt w/2% gel, 10% salt, 0.6% Halad-24, 0.2% CFR-3, 1#/sx Capseal and 1/4#/sx Flocele. Displace w/138 BFW. Bump plug to 1800 psi (500 psi over). Floats held, no cmt to surf, good lift throughout. Set slips w/100,000#. ND BOPE. Rig released at 5:30 p.m., 4/8/92. CC: \$176,779. FINAL DRILLING REPORT.

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

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other _____		5. LEASE DESIGNATION AND SERIAL NO. UTU-01191A	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. REMV. <input type="checkbox"/> Other _____		6. IF INDIAN ALLOTTEE OR TRIBE NAME N/A	
2. NAME OF OPERATOR Coastal Oil & Gas Corporation		7. UNIT AGREEMENT NAME Natural Buttes Unit	
3. ADDRESS OF OPERATOR P.O. Box 749 Denver, CO 80201-0749		8. FARM OR LEASE NAME NBU	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 549' FNL & 1169' FWL (NW/NW) At top prod. interval reported below Same as above. At total depth Same as above.		9. WELL NO. 170	
14. PERMIT NO. 43-047-32169		10. FIELD AND POOL OR WILDCAT Natural Buttes	
15. DATE SPUDDED 3/25/92		11. SEC. T. R. M. OR BLOCK AND SURVEY OR AREA Section 4, T10S, R22E	
16. DATE T.D. REACHED 4/8/92		12. COUNTY OR PARISH Uintah	
17. DATE COMPL. (Ready to prod.) 8/29/92		13. STATE Utah	
18. ELEVATIONS (OF. RNB. RT. CR. ETC.) 5007' GR		19. ELEV. CASINGHEAD	
20. TOTAL DEPTH, MD & TVD 5886'	21. PLUG BACK T.D. MD & TVD 5778'	22. IF MULTIPLE COMPL. HOW MANY*	23. INTERVALS DRILLED BY SFC-TD
24. PRODUCING INTERVAL(S) OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 4827'-5784' Wasatch			25. WAS DIRECTIONAL SURVEY MADE No
26. TYPE ELECTRIC AND OTHER LOGS RUN DLL-GR-Cal, DSN-Density, CBL-CCL-GR 5-4-92			27. WAS WELL CORED No
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
8-5/8"	24#	272'	12-1/4"
5-1/2"	17#	5886'	7-7/8"
			5-1/2x8-5/8 annulus
			5-1/2x8-5/8 annulus
29. LINER RECORD		30. TUBING RECORD	
SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*
			SCREEN (MD)
			SIZE
			DEPTH SET (MD)
			PACKER SET (MD)
31. PERFORATION RECORD (Interval, size and number) Perf'd w/4" csg gun @ 1 JSPF @ following depths: 4327' 4996' 5112' 4836' 5085' 5722' 4980' 5094' 5778' 4987' 5104' 5784'		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
		4827-5784'	47 bbls 15% HCL & 30 B.S.'s
		4827-5784'	119,520 gal gel 3% KCL wtr &
			220,000# 20/40 sand
33. PRODUCTION			
DATE FIRST PRODUCTION 8/19/92	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing		WELL STATUS (Producing or shut-in) SI
DATE OF TEST 8/29/92	HOURS TESTED 24	CHOKER SIZE 18/64"	PROD'N. FOR TEST PERIOD OIL—BSL. 0 GAS—MCF. 1900 WATER—BSL. 0 GAS-OIL RATIO N/A
FLOW. TUBING PRESS. 950	CASING PRESSURE 800	CALCULATED 24-HOUR RATE OIL—BSL. 0 GAS—MCF. 1900 WATER—BSL. 0 OIL GRAVITY-API (CORR.) N/A	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) SIWOPLC			TEST WITNESSED BY B. Rawlings
35. LIST OF ATTACHMENTS Chronological history.			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED Eileen Danni Doy	TITLE Regulatory Analyst	DATE 9/25/92	

RECEIVED
SEP 28 1992
DIVISION OF OIL, GAS & MINING

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

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

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
				Wasatch	4344'	4344'

COASTAL OIL & GAS CORPORATION
CHRONOLOGICAL HISTORY

NBU #170
NATURAL BUTTES UNIT
UINTAH COUNTY, UTAH
COASTALDRIL #1
WI: 40% COGC AFE: 13575
ATD: 5600' (WASATCH) SD: 4/3/92
CSG: 8-5/8" @ 272'; 5-1/2" @ 5886'
DHC(M\$): 164.2

- 3/27/92 272' WORT. Spudded well at 10:00 a.m. w/Leon Ross. Drilled 12-1/4" hole to 265' GL. RIH w/6 jts 8-5/8" 24# K-55 8rd ST&C, 262.16'. Set at 272' KB. Cmt 8-5/8" csg w/150 sx Prem + AG w/2% CaCl₂ + 1/4#/sx Flocele. Displ w/14-3/4 bbls wtr, no returns. Pump 50 sx down backside. Cmt to surface. CC: \$11,536.
- 4/3/92 650' Drlg 378'/4.5 hrs. Spudded well at 1:00 a.m., 4/3/92. MI RURT. Test BOPE, U&L kelly cock, blind and pipe rams, chk manifold to 2000 psi/15 min/OK. Test hydril and csg to 1500 psi in 15 min/OK. No witness present from BLM. PU BHA. Drill cmt from 241'-272'. Drlg, svy: 1 deg @ 495'. Air mist, air 1200 CFM. CC: \$29,514.
- 4/4/92 2120' Drlg 1470'/22 hrs. Drlg, svys: 1 deg @ 1021'; 1-1/2 deg @ 1556'. Drlg, fill pipe to aerate. RS and chk BOP. Top of water 720', lost returns at 1397'. Drlg w/aerated wtr, MW 8.4, VIS 27. CC: \$38,190.
- 4/5/92 3220' Drlg 1100'/22.5 hrs. Svys: 1-1/2 deg @ 2093'; 1-1/2 deg @ 2566'; 1-1/4 deg @ 3067'. Drlg w/aerated DAP wtr. MW 8.4, VIS 27, 350 CFM. CC: \$51,404.
- 4/6/92 4270' Drlg 1050'/23 hrs. Drlg, RS and chk BOP. Drlg w/aerated DAP wtr. Svy: 1-3/4 deg @ 3573'. MW 8.4, VIS 27, 350 CFM. CC: \$58,230.
- 4/7/92 5040' Drlg 770'/23 hrs. Drlg, svy: 1/2 deg @ 4585'. RS and chk BOP. Drlg brks from 4826'-4842'; 4935'-4948'; 4954'-4967'; 4978'-5001', no gas shows in any. Aerated DAP water. MW 8.4, VIS 27, CFM 350. CC: \$80,441.
- 4/8/92 5660' Drlg 620'/23 hrs. Drlg, Svy: 3/4 deg @ 5216'. RS and work BOPE's. Drlg brks from 5083-5114' and 5286-5305'. Aerated DAP wtr. Air 350 CFM. CC: \$87,957.
- 4/9/92 5886' LD DP. 226'/8.5 hrs. Drlg, circ for short trip. Short trip to 4000'. Displace hole w/400 bbls 10 ppg brine. TOH and SLM - 5888.10, no corr. Log w/Halliburton. Ran DLL-GR-Cal from 5884-272'; DSN-Density 5884-2400'; logger's TD 5884'. TIH w/BHA. LD DP. Drlg brk from 5773-5786'. Boiler 18 hrs. Aerated DAP wtr. MW 8.4, VIS 28, AIR 400 CFM. CC: \$106,835.
- 4/10/92 5886' RDRT & prep to move to NBU #138A. LD DP and DC. RU csg crew and run shoe, FC, 134 jts 5-1/2" 17# K-55 LT&C csg. Tally run 5894.74'. FC 5838'. M joint 4097'. Clear csg w/rig pump. Cmt w/Howco as follows: pump 280 sx HiFill lead cmt w/1#/sx Capseal, 0.3% HR-7. Pump tail 660 sx 50-50 Poz cmt w/2% gel, 10% salt, 0.6% Halad-24, 0.2% CFR-3, 1#/sx Capseal and 1/4#/sx Flocele. Displace w/138 BFW. Bump plug to 1800 psi (500 psi over). Floats held, no cmt to surf, good lift throughout. Set slips w/100,000#. ND BOPE. Rig released at 5:30 p.m., 4/8/92. CC: \$176,779. FINAL DRILLING REPORT.

THE COASTAL CORPORATION
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

NBU #170
NW/NW SECTION 4, T10S-R22E
NATURAL BUTTES UNIT
UINTAH COUNTY, UTAH
WI: 55.00% COGC AFE: 13575
TD: 5886' (WASATCH) SD: 4/3/92
CSG: 5-1/2" @ 5886'
PERFS: 4827'-5784'
CWC(M\$): 363.2

PAGE 2

- 4/11/92 WOCU. Drop from report until further activity.
TC: \$176,779
- 6/3/92 WO completion. MIRU Cutters WL. Ran CCL-CBL-GR log from PBSD @ 5778' to 1500'. Est TOC @ 2500'. Cmt good across zones to be perf'd. Held 1000 psi throughout job.
DC: \$4,150 TC: \$180,929
- 6/10/92 WO cement - redo in 48 hrs. RU Western Company. Pump down 5-1/2" x 8-5/8" annulus w/20 bbl LCM pill, 55 sx Super "G" w/LCM, 150 sx Super "G" (11 ppg) w/2% CaCl₂ + .7% CF-2. Well on vacuum. Will re-cement in 2 days.
DC: \$6,360 TC: \$187,289
- 6/12/92 WO completion. RU Western Company. Redo top-down cmt job on 5-1/2" x 8-5/8" annulus. Pump 51 sx Super "G" w/LCM. Caught 550 psi. SD. Drop from report until further activity.
DC: \$4,700 TC: \$191,989
- 8/17/92 Prep to perf. MIRU Well Tech rig #298. PU 4-3/4" mill & 2-3/8" tbg. RIH, tag @ 5822'. Displace hole w/150 bbls 3% KCl, PT to 5000 psi. POOH.
DC: \$38,252 TC: \$230,241
- 8/18/92 Prep to swab. RU Cutters WLS. Perf 12 holes 4827'-5784' w/4" csg gun. RIH w/tbg to 5793'. RU Halliburton. Spot 23 bbls 15% HCl across perfs. PU tbg to 4760'. ND BOP, NU WH. Breakdown perfs w/24 bbls 15% HCl + 30 BS's. Breakdown @ 1330 psi, trt @ 9.3 BPM @ 4200 psi. Ball action to 4800 psi, did not ball off. ISIP 820 psi, 15 min vac. Made 12 swab runs, rec 76 BW. Strong gas blow behind swab. Did not kick off. SION. Tbg - 148 jts landed @ 4760', notched collar on btm, SN 1-jt above & 10' blast joint on top. 203 BLTBR.
DC: \$38,910 TC: \$269,151
- 8/19/92 SI, WO frac. Flwg 400 MCFD, FTP 150 psi, CP 350 psi, 20/64" chk, dry gas. SICP 950 psi, SITP 1100 psi. Blew down in 3 min. Made 1 swb run, FL @ 3300', rec 3-1/2 BW. Well kicked off. RDMO Well Tech. Drop from report.
- 8/26/92 Flwg back after frac. Set & fill frac tanks & CO₂ vessels. RU Halliburton. Frac perfs 4827'-5784' (12 holes) w/119,520 gal gel 3% KCl wtr & 220,000# 20/40 sand as follows:

35,000 gal pad.
20,000 gal w/1 ppg sand.
20,000 gal w/2 ppg sand.
20,000 gal w/3 ppg sand.
10,000 gal w/4 ppg sand.
10,000 gal w/6 ppg sand.
4,520 gal flush.

AIR 31 BPM @ 2620 psi. ISIP 1520 psi, 15 min 1420 psi. RD Halliburton. SI 2-hrs. Start flow back @ 12:00 noon on 18/64" chk. 1920 BLTBR.
DC: \$76,630 TC: \$345,781

THE COASTAL CORPORATION
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

NBU #170
NW/NW SECTION 4, T10S-R22E
NATURAL BUTTES UNIT
UINTAH COUNTY, UTAH
WI: 55.00% COGC AFE: 13575

PAGE 3

8/26/92 Flwg 1.5 MMCFD CO₂, FTP 1100 psi, CP 900 psi, 18/64" chk, 48 BWPD.
8/27/92 Flwg 2.0 MMCFD CO₂, FTP 1000 psi, CP 850 psi, 18/64" chk, 10 BWPD.
8/28/92 Flwg 1.5 MMCFD gas, FTP 900 psi, CP 800 psi, 18/64" chk, 10 BWPD.
8/29/92 Flwd 1.9 MMCFD dry gas, FTP 950 psi, CP 800 psi, 18/64" chk. Well SI
@ 1:45 p.m., 8/28/92. Drop from report.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Designation and Serial No.

UTU-01191A

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

Natural Buttes Unit

8. Well Name and No.

NBU #170

9. API Well No.

43-047-32169

10. Field and Pool, Or Exploratory Area

Natural Buttes

11. County or Parish, State

Uintah County, UT

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Coastal Oil & Gas Corporation

3. Address and Telephone No.

P. O. Box 749, Denver, CO 80201-0749

(303) 573-4476

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

549' FNL & 1169' FWL

NW/NW Section 4, T10S-R22E

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

TYPE OF SUBMISSION

TYPE OF ACTION

Notice of Intent
 Subsequent Report
 Final Abandonment Notice

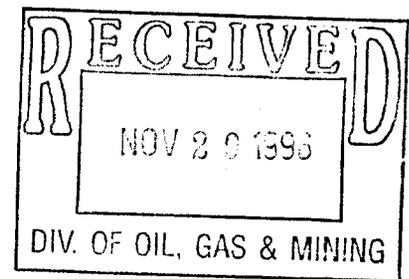
Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other CO, lwr tbg. install PLE

Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-Off
 Conversion to Injection
 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 markets and zones pertinent to this work.)*

Please see the attached procedure for work to be performed on the subject well.



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

Signed

Bonnie Carson
Bonnie Carson

TITLE Sr. Environmental & Safety Analyst

Date

11/25/96

(This space for Federal or State office use)

APPROVED BY

TITLE

Date

Conditions of approval, if any:

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

*See Instruction on Reverse Side

NBU 170-4-10-22
NATURAL BUTTES FIELD
SECTION 45 T10S R22E
WORKOVER PROCEDURES

WELL DATA

LOCATION: 549' FNL 1169' FWL SEC. 4 T10S R22E
ELEVATION: 5007' GR., 5022' KB.
TD: 5886', PBD 5822' (8/92)
CSG: 8 5/8", 24.0#, K-55 @ 272' W/ 150 SX.
5 1/2", 17.0#, K-55 @ 5886' W/ 940 SX.
CMT ANNULUS W/ 256 SX.
TBG: 2 3/8", 4.7#, J-55 @ 4760'
FORMATION(S): WASATCH 4827' - 5784', 12 HOLES (1992)

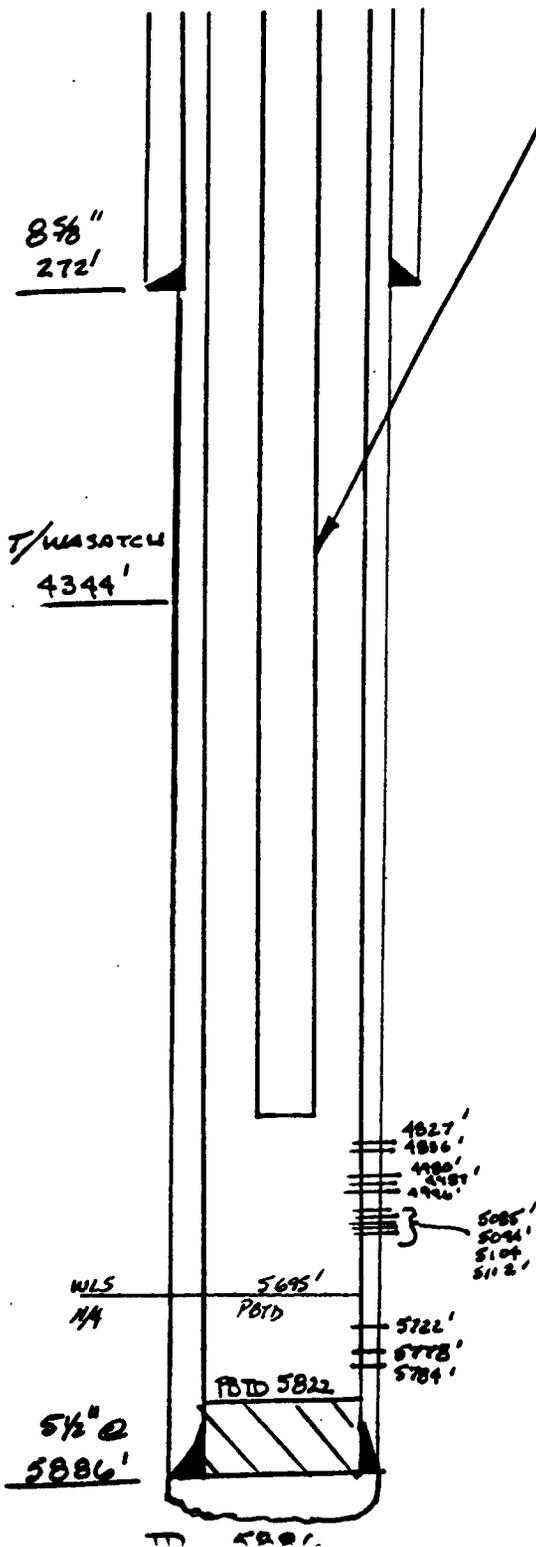
PROCEDURE

1. MI & RU pulling unit. Blow down & kill well w/ 3% KCL water. ND WH. NU BOP. ~~POOH w/ 2 3/8" tbg.~~
2. RU Air/Foam unit. RIH w/ 2 3/8" tbg w/ notch collar on bottom. Clean out to PBD (5822'). PU & land tbg @ 5778'.
3. ND BOP. NU WH. RD & MO pulling unit and Air/Foam unit.
4. Install PLE. Return the well to sales.

NBU 170-4-10-22
 NATURAL BUTTES FIELD
 SECTION 45 T10S R22E

WELL DATA

LOCATION: 549' FNL 1169' FWL SEC. 4 T10S R22E
 ELEVATION: 5007' GR., 5022' KB.
 TD: 5886', PBD 5778' (8/92)
 CSG: 8 5/8", 24.0#, K-55 @ 272' W/ 150 SX.
 5 1/2", 17.0#, K-55 @ 5886' W/ 940 SX.
 CMT ANNULUS W/ 256 SX.
 TBG: 2 3/8", 4.7#, J-55 @ 4760'
 FORMATION(S): WASATCH 4827' - 5784', 12 HOLES (1992)



2 3/8", 4.7" @ 4760'

8 5/8"
272'

T/WASATCH
4344'

4827'
4886'
4980'
4987'
4996'
5085'
5094'
5104'
5112'
5112'
5722'
5778'
5784'
5695'
PBD
PBD 5822

(8/92) WASATCH (4827'-5784') 12 HOLES

PERF'D (1JSPF) w/ 4" CSG SUN:

4827'	4980'	5085'	5722'	5778'
4836'	4987'	5094'		5784'
	4996'	5104'		
		5112'		

BD w/ 1974 g. 15% HCL + 30 BS

IPF 400 MCF 2 7/8" O.C. ATP 150# CP 350#

FRAC'S w/ 220,000# + 119,520 g. Gel

IPF (8/92) 1900 MCF 1 7/8" O.C. FTP 950# CP 800#

TD 5886'

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Designation and Serial No.

UTU-01191A

6. If Indian, Alottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

Natural Buttes Unit

8. Well Name and No.

NBU #170

9. API Well No.

43-047-32169

10. Field and Pool, Or Exploratory Area

Natural Buttes

11. County or Parish, State

Uintah County, UT

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Coastal Oil & Gas Corporation

3. Address and Telephone No.

P. O. Box 749, Denver, CO 80201-0749 (303) 573-4476

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

549' FNL & 1169' FWL
NW/NW Section 4, T10S-R22E

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

TYPE OF SUBMISSION

TYPE OF ACTION

Notice of Intent
 Subsequent Report
 Final Abandonment Notice

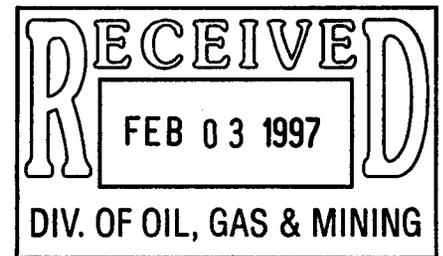
Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other CO, lwr tbg, install PLE

Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-Off
 Conversion to Injection
 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 markets and zones pertinent to this work.)*

Please see the attached chronological history for work performed on the subject well.



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

Signed Bonnie Carson Title Senior Environmental Analyst Date 01/29/97
Bonnie Carson

(This space for Federal or State office use)

APPROVED BY _____ Title _____ Date _____
Conditions of approval, if any:

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

W/O tax credit 9/97

*See Instruction on Reverse Side

01/17/97 MI Delsco. RU. ITP 25 psi, ICP 250 psi. Blew right down. IFL 4900'. Swab, made 5 runs brought 15 BW. Put well on production, 01/16/97. Flowing 13 MCF, 10 BW, 200 TP, 260 CP, on 30/64" chk.
DC: \$1,158 TC: \$25,820

01/18/97 Flowing 46 MCF, 10 BW, 110 TP, 250 CP, on 20/64" chk. PL 14 hrs.

01/19/97 Flowing 235 MCF, 5 BW, 110 TP, 225 CP, on 20/64" chk. PL 14.8 hrs.

01/20/97 Flowing 218 MCF, 5 BW, 110 TP, 225 CP, on 20/64" chk. PL 14.8

01/21/97 Flowing 247 MCF, 5 BW, 120 TP, 225 CP, on 20/64" chk. PL 17.1 hrs. **Final Report**

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER:
2. NAME OF OPERATOR: El Paso Production Oil & Gas Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 8 South 1200 East CITY Vernal STATE Utah ZIP 84078		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE:		8. WELL NAME and NUMBER: Exhibit "A"
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		9. API NUMBER:
COUNTY:		10. FIELD AND POOL, OR WILDCAT:
STATE: UTAH		

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

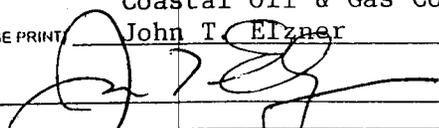
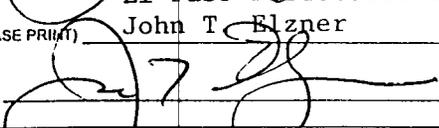
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/>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

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

As a result of the merger between The Coastal Corporation and a wholly owned subsidiary of El Paso Energy Corporation, the name of Coastal Oil & Gas Corporation has been changed to El Paso Production Oil & Gas Company effective March 9, 2001.

See Exhibit "A"

Bond # 400JU0708

Coastal Oil & Gas Corporation	
NAME (PLEASE PRINT) <u>John T. Elzner</u>	TITLE <u>Vice President</u>
SIGNATURE 	DATE <u>06-15-01</u>
El Paso Production Oil & Gas Company	
NAME (PLEASE PRINT) <u>John T. Elzner</u>	TITLE <u>Vice President</u>
SIGNATURE 	DATE <u>06-15-01</u>

(This space for State use only)

RECEIVED
JUN 19 2001
DIVISION OF
OIL, GAS AND MINING

State of Delaware
Office of the Secretary of State

PAGE 1

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "COASTAL OIL & GAS CORPORATION", CHANGING ITS NAME FROM "COASTAL OIL & GAS CORPORATION" TO "EL PASO PRODUCTION OIL & GAS COMPANY", FILED IN THIS OFFICE ON THE NINTH DAY OF MARCH, A.D. 2001, AT 11 O'CLOCK A.M.

RECEIVED

MAR 9 2001

DIVISION OF
OIL, GAS AND MINING



Harriet Smith Windsor
Harriet Smith Windsor, Secretary of State

0610204 8100

AUTHENTICATION: 1061007

010162788

DATE: 04-03-01

CERTIFICATE OF AMENDMENT

OF

CERTIFICATE OF INCORPORATION

COASTAL OIL & GAS CORPORATION (the "Company"), a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware, DOES HEREBY CERTIFY:

FIRST: That the Board of Directors of the Company, by the unanimous written consent of its members, filed with the minutes of the Board, adopted a resolution proposing and declaring advisable the following amendment to the Certificate of Incorporation of the Company:

RESOLVED that it is deemed advisable that the Certificate of Incorporation of this Company be amended, and that said Certificate of Incorporation be so amended, by changing the Article thereof numbered "FIRST." so that, as amended, said Article shall be and read as follows:

"FIRST. The name of the corporation is El Paso Production Oil & Gas Company."

SECOND: That in lieu of a meeting and vote of stockholders, the stockholders entitled to vote have given unanimous written consent to said amendment in accordance with the provisions of Section 228 of the General Corporation Law of the State of Delaware.

THIRD: That the aforesaid amendment was duly adopted in accordance with the applicable provisions of Sections 242 and 228 of the General Corporation Law of the State of Delaware.

IN WITNESS WHEREOF, said COASTAL OIL & GAS CORPORATION has caused this certificate to be signed on its behalf by a Vice President and attested by an Assistant Secretary, this 9th day of March 2001.

COASTAL OIL & GAS CORPORATION

David L. Siddall
Vice President

Attest:

Margaret E. Roark
Margaret E. Roark, Assistant Secretary

RECEIVED

STATE OF DELAWARE
SECRETARY OF STATE
DIVISION OF CORPORATIONS
FILED 11:00 AM 03/09/2001
010118394 - 0610204

JUN 19 2001

DIVISION OF
OIL, GAS AND MINING



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

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

RECEIVED

JUL 12 2001

**DIVISION OF
OIL, GAS AND MINING**

In Reply Refer To:
3106
UTSL-065841
(UT-924)

JUL 10 2001-

NOTICE

El Paso Production Oil & Gas Company : Oil and Gas
Nine Greenway Plaza :
Houston TX 77046-0095 :

Name Change Recognized

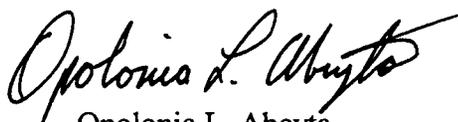
Acceptable evidence has been received in this office concerning the name change of Coastal Oil & Gas Corporation into El Paso Production Oil & Gas Company with El Paso Production Oil & Gas Company being the surviving entity.

For our purposes, the name change is recognized effective March 9, 2001.

The oil and gas lease files identified on the enclosed exhibit have been noted as to the name change. The exhibit was compiled from a list of leases obtained from our computer program. We have not abstracted the lease files to determine if the entities affected by this name change hold an interest in the leases identified nor have we attempted to identify leases where the entities are the operator on the ground maintaining no vested recorded title or operating rights interests. We will be notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

If you identify additional leases in which the entities maintain an interest, please contact this office and we will appropriately document those files with a copy of this Notice.

Due to the name change, the name of the principal/obligor on the bond is required to be changed from Coastal Oil & Gas Corporation to El Paso Production Oil & Gas Company. You may accomplish this either by consent of surety rider on the original bond or a rider to the original bond. The bonds are held in Wyoming and Colorado.



Opolonia L. Abeyta
Acting Chief, Branch of
Minerals Adjudication

Enclosure

1. Exhibit of Leases (1 pp)

cc: Moab Field Office
Vernal Field Office
MMS, Reference Data Branch, MS3130, PO Box 5860, Denver CO 80217
~~State of Utah, DOGM~~, Attn: Jim Thompson (Ste. 1210), Box 145801, SLC UT 84114
Teresa Thompson (UT-922)
Joe Incardine (UT-921)

Exhibit of Leases

UTUSL-065841A	UTU-47172	UTU-74415	UTU-53860
UTU-28652	UTU-50687	UTU-74416	UTU-66401
UTU-37943	UTU-52298	UTU-75091	UTU-67868
UTU-44089	UTU-0109054	UTU-75096	UTU-65389
UTU-44090A	UTU-0143511	UTU-75097	UTU-77084
UTU-61263	UTU-0143512	UTU-75673	UTU-61430
UTU-00343	UTU-38401	UTU-76259	UTU-72633
UTU-02651	UTU-38411	UTU-76260	UTU-72650
UTU-02651B	UTU-38418	UTU-76261	UTU-49692
UTU-0142175	UTU-38419	UTU-76493	UTU-57894
UTU-70235	UTU-38420	UTU-76495	UTU-76829
UTU-70406	UTU-38421	UTU-76503	UTU-76830
UTU-74954	UTU-38423	UTU-78228	UTU-76831
UTU-75132	UTU-38424	UTU-78714	
UTU-75699	UTU-38425	UTU-78727	
UTU-76242	UTU-38426	UTU-78734	
UTU-78032	UTU-38427	UTU-79012	
UTU-4377	UTU-38428	UTU-79011	
UTU-4378	UTU-53861	UTU-71694	
UTU-7386	UTU-58097	UTU-00576	
UTU-8344A	UTU-64376	UTU-00647	
UTU-8345	UTU-65222	UTU-01470D	
UTU-8347	UTU-65223	UTU-0136484	
UTU-8621	UTU-66746	UTU-8344	
UTU-14646	UTU-67178	UTU-8346	
UTU-15855	UTU-67549	UTU-8648	
UTU-25880	UTU-72028	UTU-28212	
UTU-28213	UTU-72632	UTU-30289	
UTU-29535	UTU-73009	UTU-31260	
UTU-29797	UTU-73010	UTU-33433	
UTU-31736	UTU-73013	UTU-34711	
UTU-34350	UTU-73175	UTU-46699	
UTU-34705	UTU-73434	UTU-78852	
UTU-37116	UTU-73435	UTU-78853	
UTU-37355	UTU-73444	UTU-78854	
UTU-37573	UTU-73450	UTU-075939	
UTU-38261	UTU-73900	UTU-0149767	
UTU-39223	UTU-74409	UTU-2078	
UTU-40729	UTU-74410	UTU-44426	
UTU-40736	UTU-74413	UTU-49530	
UTU-42469	UTU-74414	UTU-51026	

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH		4-KAS
2. CDW	✓	5-LP ✓
3. JLT		6-FILE

Enter date after each listed item is completed

Change of Operator (Well Sold)

Designation of Agent

Operator Name Change (Only)

X Merger

The operator of the well(s) listed below has changed, effective: **3-09-2001**

FROM: (Old Operator):
COASTAL OIL & GAS CORPORATION
Address: 9 GREENWAY PLAZA STE 2721
HOUSTON, TX 77046-0995
Phone: 1-(713)-418-4635
Account N0230

TO: (New Operator):
EL PASO PRODUCTION OIL & GAS COMPANY
Address: 9 GREENWAY PLAZA STE 2721 RM 2975B
HOUSTON, TX 77046-0995
Phone: 1-(832)-676-4721
Account N1845

CA No.

Unit: NATURAL BUTTES

WELL(S)

NAME	API NO	ENTITY NO	SEC TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
NBU 290	43-047-32987	2900	03-10S-22E	FEDERAL	GW	P
NBU 46	43-047-30513	2900	04-10S-22E	FEDERAL	GW	P
NBU 85J	43-047-31246	2900	04-10S-22E	FEDERAL	GW	P
COG NBU 67	43-047-31737	2900	04-10S-22E	FEDERAL	GW	P
NBU 148	43-047-31983	2900	04-10S-22E	FEDERAL	GW	P
NBU 147	43-047-31984	2900	04-10S-22E	FEDERAL	GW	P
NBU 170	43-047-32169	2900	04-10S-22E	FEDERAL	GW	P
NBU 208	43-047-32343	2900	04-10S-22E	FEDERAL	GW	P
NBU 311	43-047-32837	2900	04-10S-22E	FEDERAL	GW	P
NBU 313	43-047-32838	2900	04-10S-22E	FEDERAL	GW	P
NBU 335	43-047-33724	2900	04-10S-22E	FEDERAL	GW	P
NBU CIGE 52-5-10-22	43-047-30531	2900	05-10S-22E	FEDERAL	GW	P
NBU CIGE 73D-5-10-22P	43-047-30952	2900	05-10S-22E	FEDERAL	GW	S
NBU 140	43-047-31947	2900	05-10S-22E	FEDERAL	GW	P
NBU 149	43-047-31982	2900	05-10S-22E	FEDERAL	GW	P
NBU 171	43-047-32115	2900	05-10S-22E	FEDERAL	GW	P
NBU 242	43-047-32944	2900	05-10S-22E	FEDERAL	GW	P
NBU CIGE 74D-6-10-22P	43-047-30953	2900	06-10S-22E	FEDERAL	GW	P
NBU 84V	43-047-31245	2900	06-10S-22E	FEDERAL	GW	S
NBU 116	43-047-31925	2900	06-10S-22E	FEDERAL	GW	P

OPERATOR CHANGES DOCUMENTATION

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 06/19/2001
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 06/19/2001
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 06/21/2001
4. Is the new operator registered in the State of Utah: YES Business Number: 608186-0143

5. If **NO**, the operator was contacted contacted on: N/A
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the (merger, name change, or operator change for all wells listed on Federal or Indian leases on: 07/10/2001
7. **Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: 07/10/2001
8. **Federal and Indian Communization Agreements ("CA"):** The BLM or the BIA has approved the operator change for all wells listed involved in a CA on: 07/10/2001
9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 08/08/2001
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 08/08/2001
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

STATE BOND VERIFICATION:

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

FEDERAL BOND VERIFICATION:

1. Federal well(s) covered by Bond No.: WY 2793

FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond No: N/A
2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A
3. (R649-2-10) The **FORMER** operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: _____

FILMING:

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

FILING:

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

COMMENTS: Master list of all wells involved in operator change from Coastal Oil & Gas Corporation to El Paso Production Oil and Gas Company shall be retained in the "Operator Change File".

JAN. 17. 2003 3:34PM

WESTPORT

NO. 173 P. 2

**WESTPORT OIL AND GAS COMPANY, L.P.**

410 Seventeenth Street #2300 Denver Colorado 80202-4436
Telephone: 303 573 5404 Fax: 303 573 5609

February 1, 2002

Department of the Interior
Bureau of Land Management
2850 Youngfield Street
Lakewood, CO 80215-7093
Attention: Ms. Martha Maxwell

**RE: BLM Bond CO-1203
BLM Nationwide Bond 158626364
Surety - Continental Casualty Company
Belco Energy Corporation merger into Westport Oil and Gas Company, Inc.
Conversion of Westport Oil and Gas Company, Inc., into Westport Oil and Gas Company, L.P.
Assumption Rider - Westport Oil and Gas Company, L.P.**

Dear Ms. Maxwell:

Pursuant to our recent conversations, please find the following list of enclosures for the BLM's consideration and approval:

**Two (2) Assumption Riders, fully executed originals.
Copies of Belco Energy Corporation merger into Westport Oil and Gas Company, Inc.
Copies of Westport Oil and Gas Company, Inc., conversion into Westport Oil and Gas Company, L.P.
List of all Federal/BIA/State Leases - Belco/Westport's leases - in all states.**

Please inform us of any additional information needed to complete the change to Westport Oil and Gas Company, L.P., as operator of record.

I thank you for your assistance and cooperation in this matter. Please do not hesitate contacting the undersigned, should a question arise.

**Sincerely,
Westport Oil and Gas Company, L.P.**

Debby J. Black

**Debby J. Black
Engineer Technician**

Encl:



United States Department of the Interior **RECEIVED**

BUREAU OF LAND MANAGEMENT

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

FEB 22 2002

DIVISION OF
OIL, GAS AND MINING

In Reply Refer To:
3106
UTU-25566 et al
(UT-924)

FEB 21 2002

NOTICE

Westport Oil and Gas Company L.P. : Oil and Gas
410 Seventeenth Street, #2300 :
Denver Colorado 80215-7093 :

Name Change Recognized

Acceptable evidence has been received in this office concerning the name change of Westport Oil and Gas Company, Inc. into Westport Oil and Gas Company, L.P. with Westport Oil and Gas Company, L.P. being the surviving entity.

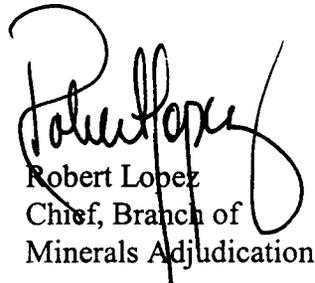
For our purposes, the name change is recognized effective December 31, 2001.

The oil and gas lease files identified have been noted as to the name change. The exhibit was compiled from a list of leases obtained from our computer program. We have not abstracted the lease files to determine if the entities affected by this name change hold an interest in the leases identified nor have we attempted to identify leases where the entities are the operator on the ground maintaining no vested recorded title or operating rights interests. We will be notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

If you identify additional leases in which the entities maintain an interest, please contact this office and we will appropriately document those files with a copy of this Notice.

Due to the name change, the name of the principal/obligor on the bond is required to be changed from Westport Oil and Gas Company, Inc. to Westport Oil and Gas Company, L.P.. You may accomplish this either by consent of surety rider on the original bond or a rider to the original bond. The bonds are held in Colorado.

UTU-03405
UTU-20895
UTU-25566
UTU-43156
UTU-49518
UTU-49519
UTU-49522
UTU-49523



Robert Lopez
Chief, Branch of
Minerals Adjudication

cc: Moab Field Office
Vernal Field Office
MMS, Reference Data Branch, MS3130, PO Box 5860, Denver CO 80217
State of Utah, DOGM, Attn: Jim Thompson (Ste. 1210), Box 145801, SLC UT 84114
Teresa Thompson (UT-922)
Joe Incardine (UT-921)

memorandum

Branch of Real Estate Services
Uintah & Ouray Agency

Date: 5 December, 2002

Reply to
Attn of: Supervisory Petroleum Engineer

Subject: Modification of Utah Division of Oil, Gas and Mining Regulations

To: Director, Utah Division of Oil, Gas and Mining Division: John Baza

We have been advised of changes occurring with the operation of your database for Change of Operator. You will be modifying your records to reflect Change of Operator once you have received all necessary documentation from the companies involved, and perhaps in advance of our Notice of Concurrence/Approval of Change of Operator where Indian leases are involved.

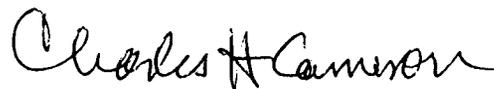
We have no objection.

With further comment to Rulemaking, I wish to comment concerning the provision of Exhibits for upcoming Hearings. I would like to see the Uintah & Ouray Agency, BIA, and the Ute Indian Tribe, Energy & Mineral Resources Department added to the list of those parties that receive advance Exhibits so as to allow us to have research time prior to Hearing dates. We will be able to provide a more informed recommendation to the Oil, Gas and Mining Board. It would be best if we would receive only those Exhibits that concern Indian lands, specifically on or adjacent to Indian lands. This may be a difficult situation to attain, as it is not always clear where 'on or adjacent' occurs.

I am aware that you have gone to extra effort to correct this matter already, and I fully appreciate it. My request is intended only to allow the addition of Uintah & Ouray Agency and Ute Indian Tribe to the official listing.

We appreciate your concern, and hope that these comments are timely enough for consideration in the revision process.

CC: Minerals & Mining Section of RES
Ute Energy & Mineral Resources Department: Executive Director
chrono





United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

Washington, D.C. 20240

FEB 10 2003

IN REPLY REFER TO:
Real Estate Services

Carroll A. Wilson
Principal Landman
Westport Oil and Gas Company, L.P.
1368 South 1200 East
Vernal, Utah 84078

Dear Mr. Wilson:

This is in response to your request for approval of RLI Insurance Company's Nationwide Oil and Gas Lease Bond No. RLB0005239 executed effective December 17, 2002, (\$150,000 coverage) with Westport Oil and Gas Company, L. P., as principal.

This bond is hereby approved as of the date of this correspondence and will be retained in the Bureau of Indian Affairs' Division of Real Estate Services, 1849 C Street, NW, MS-4512-MIB, Washington, D.C. 20240. All Bureau oil and gas regional offices and the surety are being informed of this action.

In cases where you have existing individual and/or collective bonds on file with one or more of our regional offices, you may now request those offices, directly, to terminate in lieu of coverage under this Nationwide Bond.

Enclosed is a copy of the approved bond for your files. If we may be of further assistance in this matter, please advise.

Sincerely,

Director, Office of Trust Responsibilities

ACTING

Enclosure



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

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

IN REPLY REFER TO
UT-922

February 27, 2003

Westport Oil and Gas Company, L.P.
Attn: Gary D. Williamson
1670 Broadway, Suite 2800
Denver, Colorado 80202

Re: Natural Buttes Unit
Uintah County, Utah

Gentlemen:

On February 27, 2003, we received an indenture dated December 17, 2002, whereby El Paso Production Oil & Gas Company resigned as Unit Operator and Westport Oil and Gas Company, L.P., was designated as Successor Unit Operator for the Natural Buttes Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective February 27, 2003. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Natural Buttes Unit Agreement.

Your nationwide (Colorado) oil and gas bond No. 1203 will be used to cover all operations within the Natural Buttes 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: Field Manager - Vernal (w/enclosure)
SITLA
Division of Oil, Gas & Mining
Minerals Adjudication Group
File - Natural Buttes Unit (w/enclosure)
Agr. Sec. Chron
Fluid Chron

UT922:TAThompson:tt:02/27/2003

RECEIVED

FEB 28 2003

DIV. OF OIL, GAS & MINING

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: El Paso Production Oil & Gas Company		8. WELL NAME and NUMBER: Exhibit "A"
3. ADDRESS OF OPERATOR: 9 Greenway Plaza Houston TX 77064-0995		9. API NUMBER:
PHONE NUMBER: (832) 676-5933		10. FIELD AND POOL, OR WILDCAT:
4. LOCATION OF WELL FOOTAGES AT SURFACE: _____ COUNTY: _____ QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____ STATE: UTAH		

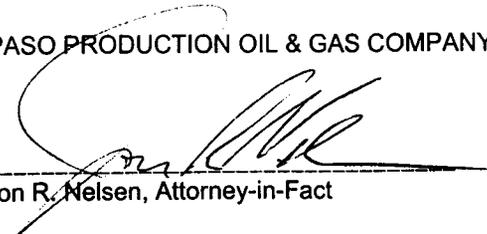
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/>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

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

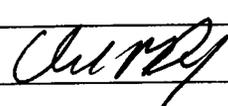
Operator change to Westport Oil and Gas Company, L.P., 1670 Broadway, Suite 2800, Denver, CO. 80202-4800, effective December 17, 2002.

BOND # _____
State Surety Bond No. RLB0005236
Fee Bond No. RLB0005238

EL PASO PRODUCTION OIL & GAS COMPANY

By: 
Jon R. Nelsen, Attorney-in-Fact

RECEIVED
FEB 28 2003
DIV. OF OIL, GAS & MINING

WESTPORT OIL AND GAS COMPANY, L.P.	
NAME (PLEASE PRINT) David R. Dix	TITLE Agent and Attorney-in-Fact
SIGNATURE 	DATE 12/17/02

(This space for State use only)

Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

FORM APPROVED
OMB No 1004-0135
Expires November 30, 2000

5. Lease Serial No.
SEE ATTACHED EXHIBIT "A"

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
SEE ATTACHED EXHIBIT "A"

9. API Well No.
SEE ATTACHED EXHIBIT "A"

10. Field and Pool, or Exploratory Area

11. County or Parish, State
UINTAH COUNTY, UT

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
WESTPORT OIL & GAS COMPANY, L.P.

3a. Address
P.O. BOX 1148 VERNAL, UT 84078

3b. Phone No. (include area code)
(435) 781-7023

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

SEE ATTACHED EXHIBIT "A"

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

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

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

WESTPORT OIL & GAS COMPANY, L.P., IS CONSIDERED TO BE THE OPERATOR ON THE ATTACHED DESCRIBED LANDS AND IS RESPONSIBLE UNDER THE TERMS AND CONDITIONS OF THE LEASE FOR THE OPERATIONS CONDUCTED ON THE LEASED LANDS OR PORTIONS THEREOF, BOND COVERAGE FOR THIS WELL IS PROVIDED BY FEDERAL NATIONWIDE BOND NO. 158626364, EFFECTIVE FEBRUARY 1, 2002, AND BIA NATIONWIDE BOND NO. RLB0005239, EFFECTIVE FEBRUARY 10, 2003.

RECEIVED
MAR 04 2003

DIV. OF OIL, GAS & MINING

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

Name (Printed/Typed)

CHERYL CAMERON

Title

OPERATIONS

Signature

Date

March 4, 2003

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

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

Office

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

(Instructions on reverse)

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

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM-12/31/2003 BIA-12/5/02

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: 02/27/2003

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

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

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

DATA ENTRY:

- 1. Changes entered in the Oil and Gas Database on: 03/24/2003
- 2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 03/24/2003
- 3. Bond information entered in RBDMS on: N/A
- 4. Fee wells attached to bond in RBDMS on: N/A

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: RLB 0005236

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: 158626364

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: RLB 0005239

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB 0005238

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

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
WESTPORT OIL & GAS COMPANY, L.P.

3a. Address
P.O. BOX 1148 VERNAL, UT 84078

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Multiple Wells - see attached

5. Lease Serial No.
Multiple Wells - see attached

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
891008900A

8. Well Name and No.
Multiple Wells - see attached

9. API Well No.
Multiple Wells - see attached

10. Field and Pool, or Exploratory Area
Natural Buttes Unit

11. County or Parish, State
Uintah County, UT

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

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

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

Westport Oil & Gas requests a variance to Onshore Order No. 4, Part III.C.a. requiring each sales tank be equipped with a pressure-vacuum thief hatch and/or vent line valve. The variance is requested as an economic analysis shows the value of the shrunk condensate will not payout the incremental cost of purchasing and maintaining the valve resulting in a loss of value over the producing life of the well.

The volume lost to shrinkage by dropping the tank pressure from 6 ozs. to 0 psig is shown to be 0.3% of the tank volume. This was determined by lab analysis of a representative sample from the field. The sample shrunk from 98.82% of original volume to 98.52% when the pressure was dropped. The average NBU well produces approximately 6 bbls condensate per month. The resulting shrinkage would amount to 0.56 bbls per month lost volume due to shrinkage. The value of the shrunk and lost condensate does not recoup or payout the cost of installing and maintaining the valves and other devices that hold the positive tank pressure. An economic run based on the loss and costs is attached. Westport Oil & gas requests approval of this variance in order to increase the value of the well to the operator and the mineral royalty owners.

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

Name (Printed/Typed) **J.T. Conley** Title **Operations Manager** Date **9-2-2003**

Signature *J.T. Conley* Initials **CHD** Date **9-2-2003**

SEP 10 2003
DIV. OF OIL, GAS & MINING

THIS SPACE FOR FEDERAL OR STATE USE

Approved by _____ Title _____ Date _____

Office **Oil, Gas and Mining** Date: **9/16/03**

Federal Approval of This Action is Necessary

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

WELL	LEGALS	STFLEASENO	CANUMBER	APINO
NBU 149	5-10-22 NESE	UTU01191	891008900A	430473198200S1
NBU 150	9-10-22 SENW	UTU01196B	891008900A	430473199200S1
NBU 151	9-10-22 NWNW	UTU01196B	891008900A	430473199100S1
NBU 152	9-10-22 SESE	UTU01196D	891008900A	430473199000S1
NBU 153	11-10-22 SWNW	U01197A	891008900A	430473197500S1
NBU 154	26-9-21 NWSE	ML22934	891008900A	430473200300S1 ✓
NBU 155	31-9-22 SENW	ML23607	891008900A	430473200400S1 ✓
NBU 156	35-9-21 SWNW	U01194	891008900A	430473200500S1 ✓
NBU 157	32-9-22 SESW	ML22649	891008900A	430473200700S1 ✓
NBU 158	27-9-21 NWSE	U01194A	891008900A	430473199700S1 ✓
NBU 159SWD	35-9-21 NESW	U01194	891008900A	430473199600S1 ✓
NBU 161	32-9-22 SESE	ML22649	891008900A	430473202300S1 ✓
NBU 162	12-10-20 SENW	UTU4478	891008900A	430473206600S1
NBU 163	14-10-21 NENW	UTU465	891008900A	430473206900S1
NBU 164	3-10-22 NWSE	UTU01191A	891008900A	430473205500S1
NBU 165	3-10-22 NENW	UTU01191	891008900A	430473205700S1
NBU 166	28-9-21 SWSE	U05676	891008900A	430473206500S1
NBU 167	25-9-21 SESW	U01194	891008900A	430473205400S1 ✓
NBU 168	12-10-20 NWSW	UTU4478	891008900A	430473211700S1 ✓
NBU 169	12-10-20 SESW	UTU4478	891008900A	430473211800S1
NBU 170	4-10-22 NWNW	UTU01191A	891008900A	430473216900S1
NBU 171	5-10-22 SENE	UTU01191A	891008900A	430473211500S1
NBU 172	19-9-22 NENE	UTU0284	891008900A	430473219400S1
NBU 173	33-9-22 NWNE	UTU01191A	891008900A	430473211600S1
NBU 174	11-9-21 NWNW	UTU0141315	891008900A	430473219300S1
NBU 175	28-9-21 NENW	U05676	891008900A	430473214300S1
NBU 176	28-9-21 SWNW	U05676	891008900A	430473214400S1
NBU 177	29-9-21 NESE	UTU0581	891008900A	430473211200S1
NBU 178	30-9-21 NWNE	UTU0581	891008900A	430473212100S1
NBU 180	10-10-22 SWSE	UTU025187	891008900A	430473211300S1
NBU 181	9-9-21 SESW	UTU0576	891008900A	430473216100S1
NBU 182	11-9-21 SENW	UTU0141315	891008900A	430473216200S1
NBU 183	27-9-21 SWNW	U01194A	891008900A	430473212200S1 ✓
NBU 184	30-9-22 SESW	U463	891008900A	430473217000S1
NBU 185	3-10-22 SWNE	UTU01191A	891008900A	430473217100S1
NBU 186	30-9-22 SENE	U463	891008900A	430473223300S1
NBU 187	34-9-22 SESW	UTU0149077	891008900A	430473223000S1
NBU 188	10-10-22 SWSW	U01196C	891008900A	430473223400S1
NBU 189	23-9-21 SESW	UTU0149075	891008900A	430473223600S1
NBU 190	26-9-21 NWNE	U01194	891008900A	430473223200S1
NBU 191	15-9-21 SWSW	UTU010950A	891008900A	430473229800S1
NBU 192	22-9-21 NENW	UTU0147566	891008900A	430473229900S1
NBU 193	22-9-21 SWSW	UTU010950A	891008900A	430473230000S1
NBU 194	22-9-21 NESW	UTU010950A	891008900A	430473229600S1
NBU 195	11-9-21 NWNE	UTU0141317	891008900A	430473235500S1
NBU 198	22-9-21 NWSE	UTU010950A	891008900A	430473235700S1
NBU 199	9-9-21 SWSW	UTU0576A	891008900A	430473233700S1
NBU 200	19-9-22 NESE	UTU0284	891008900A	430473235900S1
NBU 201	9-9-21 SWNW	UTU0149767	891008900A	430473236400S1
NBU 202	8-9-21 NENE	UTU0149767	891008900A	430473233800S1
NBU 204	9-10-22 NWNE	UTU01196D	891008900A	430473234200S1
NBU 206	10-10-22 SWNW	U01196C	891008900A	430473234100S1
NBU 207	10-10-22 NENW	UTU69129	891008900A	430473232900S1 ✓
NBU 208	4-10-22 SESE	UTU01191	891008900A	430473234300S1
NBU 209	3-10-22 SWSW	UTU01191	891008900A	430473234500S1
NBU 210	10-10-22 NESW	U01196C	891008900A	430473234000S1
NBU 211	1-10-21 NWSW	U02842B	891008900A	430473233900S1
NBU 212	24-10-20 NENW	UTU4485	891008900A	430473239900S1
NBU 213	15-10-22 NWNW	UTU025187	891008900A	430473240100S1
NBU 214	27-9-21 NWSW	U01194	891008900A	430473246600S1 ✓
NBU 215	12-10-21 NWNW	UTU01190	891008900A	430473247100S1
NBU 216	15-9-21 NESW	UTU010950A	891008900A	430473248700S1

Westport Oil & Gas, L.P.

Project Economics Worksh

Instructions: Fill in blue areas with before and after project data. The evaluation results are shown below and graphed automatically at the bottom of the page. This sheet is protected to prevent accidental alteration of the formulas. See JTC for changes. OPX entered as annual costs and/or as unit OPX costs for \$/BF and \$/MCF

Project Name: **Condensate Shrinkage Economics**

Is this job a well pull or production rig job ??? N (Y or N)

	BEFORE \$/Year	AFTER \$/Year	DIFFERENCE \$/Year
Gross Oil Revenue	\$1,088	\$1,099	\$11
Gross Gas Revenue	\$0	\$0	\$0
NGL Revenue	\$0	\$0	\$0
PULING UNIT SERVICE			\$0
WIRELINE SERVICE			\$0
SUBSURF EQUIP REPAIRS			\$0
COMPANY LABOR			\$0
CONTRACT LABOR	\$0	\$200	\$200
CONTR SERVICE			\$0
LEASE FUEL GAS	\$0	\$0	\$0
UTILITIES - ELECTRICITY	\$0	\$0	\$0
CHEMICAL TREATING			\$0
MATERIAL & SUPPLY	\$0	\$150	\$150
WATER & HAULING			\$0
ADMINISTRATIVE COSTS			\$0
GAS PLANT PROCESSING			\$0
Totals	\$0	\$350	\$350

Increased OPX Per Year

Investment Breakdown:

	Cap/Exp Code	Cost, \$
Capital \$	820/830/840	\$1,200
Expense \$	830/860	\$0
Total \$		\$1,200

Oil Price	\$ 23.00	\$/BO
Gas Price	\$ 3.10	\$/MCF
Electric Cost	\$ -	\$/ HP / day
OPX/BF	\$ 2.00	\$/BF
OPX/MCF	\$ 0.62	\$/MCF

Production & OPX Detail:

	Before	After	Difference
Oil Production	0.192 BOPD	0.194 BOPD	0.002 BOPD
Gas Production	0 MCFPD	0 MCFPD	0 MCFPD
Wtr Production	0 BWPD	0 BWPD	0 BWPD
Horse Power	0 HP	0 HP	0 HP
Fuel Gas Burned	0 MCFPD	0 MCFPD	0 MCFPD

Project Life:

Life = Years
(Life no longer than 20 years)

Internal Rate of Return:

After Tax IROR =

AT Cum Cashflow:

Operating Cashflow = (Discounted @ 10%)

Payout Calculation:

$$\text{Payout} = \frac{\text{Total Investment}}{\text{Sum(OPX + Incremental Revenue)}} = 1$$

Payout occurs when total AT cashflow equals investment
See graph below, note years when cashflow reaches zero

Payout = Years or Days

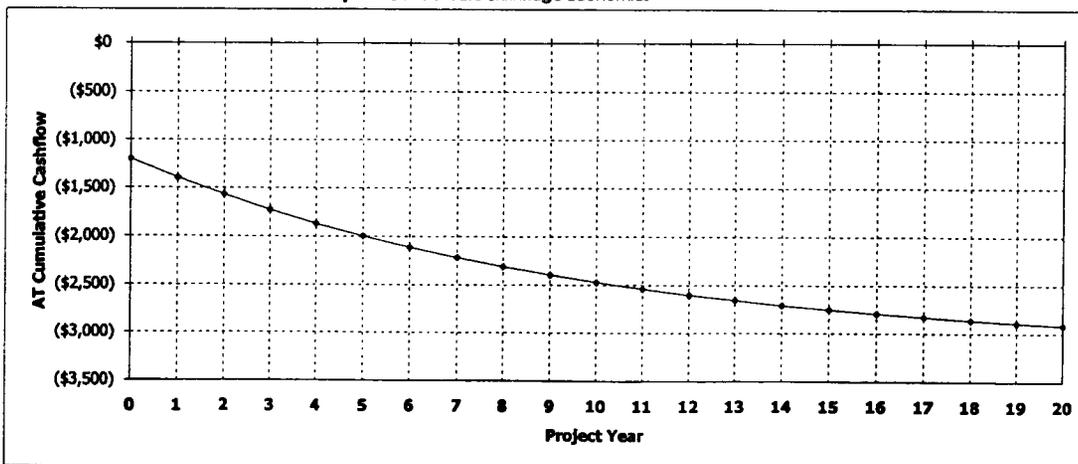
Gross Reserves:

Oil Reserves = 6 BO
Gas Reserves = 0 MCF
Gas Equiv Reserves = 38 MCFE

Notes/Assumptions:

An average NBW well produces 0.192 Bcpd with no tank pressure. The production is increased to 0.194 Bcpd if 6 ozs of pressure are placed on the tank. The increased production does not payout the valve cost or the estimated annual maintenance costs.

Project: Condensate Shrinkage Economics



Westport Oil and Gas, Inc.

NBU/Ouray Field

RFL 2003-022

COMPARISON OF FLASH BACK PRESSURES

Calculated by Characterized Equation-of-State

Flash Conditions		Gas/Oil Ratio (scf/STbbl) (A)	Specific Gravity of Flashed Gas (Air=1.000)	Separator Volume Factor (B)	Separator Volume Percent (C)
psig	°F				

Calculated at Laboratory Flash Conditions

80	70			1.019	
0	122	30.4	0.993	1.033	101.37%
0	60	0.0	—	1.000	98.14%

Calculated Flash with Backpressure using Tuned EOS

80	70			1.015	
6.0 oz	65	24.6	0.777	1.003	98.82%
0	60	0.0	—	1.000	98.52%
80	70			1.015	
4.0 oz	65	24.7	0.778	1.003	98.82%
0	60	0.0	—	1.000	98.52%
80	70			1.015	
2.0 oz	65	24.7	0.779	1.003	98.82%
0	60	0.0	—	1.000	98.52%
80	70			1.015	
0	65	24.8	0.780	1.003	98.82%
0	60	0.0	—	1.000	98.52%

(A) Cubic Feet of gas at 14.696 psia and 60 °F per Barrel of Stock Tank Oil at 60 °F.

(B) Barrels of oil at indicated pressure and temperature per Barrel of Stock Tank Oil at 60 °F.

(C) Oil volume at indicated pressure and temperature as a percentage of original saturated oil volume.

Note: Bubblepoint of sample in original sample container was 80 psig at 70° F with 1 cc water

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

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

5. Lease Serial No.
UTU-01191A

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

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

1. Type of Well
 Oil Well Gas Well Other

8. Well Name and No.
NBU 170

2. Name of Operator
WESTPORT OIL & GAS COMPANY L.P. Contact: SHEILA UPCHEGO
E-Mail: supchego@westportresourcescorp.com

9. API Well No.
43-047-32169

3a. Address
1368 SOUTH 1200 EAST
VERNAL, UT 84078

3b. Phone No. (include area code)
Ph: 435.781.7024
Fx: 435.781.7094

10. Field and Pool, or Exploratory
NATURAL BUTTES

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 4 T10S R22E NWNW 549FNL 1169FWL

11. County or Parish, and State
UINTAH COUNTY, UT

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

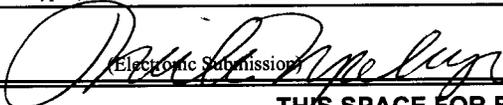
TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/>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

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

3/8/04: RU RIG SPOT EQUIP BLOW DN WELL NDWH NUBOP PMP 40 BBLS 2% KCL TO KILL WELL POOH W/181 JTS 2 3/8" TBG.
OPEN WELL BLOW DN PMP 30 BBLS KILL WELL LD 30 JTS THAT WAS ON BOTTOM OF WELL W/SCALE INSIDE TBG. PU MULE SHOE. NEW 2 3/8" NIPPLE. RIH W/149 JTS 2 3/8" TBG. PU RIH W/20 NEW JTS 2 3/8" TBG. 169 TOTAL JTS IN WELL. LAND TBG W/EOT @5414.41'. BROACH TBG. ND BOP NUWH.

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #31128 verified by the BLM Well Information System For WESTPORT OIL & GAS COMPANY L.P., sent to the Vernal

Name (Printed/Typed) SHEILA UPCHEGO Title REGULATORY ANALYST

Signature  Date 05/25/2004

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____ Title _____ Date _____

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

Office _____

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

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

RECEIVED

JUN 03 2004

DIV. OF OIL, GAS & MINING

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING
1. DJJ
2. CDW

X Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:		1/6/2006
FROM: (Old Operator): N2115-Westport Oil & Gas Co., LP 1368 South 1200 East Vernal, UT 84078 Phone: 1-(435) 781-7024	TO: (New Operator): N2995-Kerr-McGee Oil & Gas Onshore, LP 1368 South 1200 East Vernal, UT 84078 Phone: 1-(435) 781-7024	

WELL NAME	CA No.	Unit:	NATURAL BUTTES UNIT					
	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 5/10/2006
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 5/10/2006
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 3/7/2006
- a. Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181
- b. If **NO**, the operator was contacted on:
- 5a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
- 5b. Inspections of LA PA state/fee well sites complete on: n/a 3 LA wells & all PA wells transferred
- 5c. Reports current for Production/Disposition & Sundries on: ok
- 6. Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 3/27/2006 BIA not yet
- 7. Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: 3/27/2006
- 8. Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- 9. Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on:

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 5/15/2006
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 5/15/2006
- Bond information entered in RBDMS on: 5/15/2006
- Fee/State wells attached to bond in RBDMS on: 5/16/2006
- Injection Projects to new operator in RBDMS on: _____
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a Name Change Only

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: CO1203
- Indian well(s) covered by Bond Number: RLB0005239
- (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB0005236
- a. The **FORMER** operator has requested a release of liability from their bond on: n/a rider added KMG
The Division sent response by letter on: _____

LEASE INTEREST OWNER NOTIFICATION:

- (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: 5/16/2006

COMMENTS:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
KERR-McGEE OIL & GAS ONSHORE LP

3a. Address
1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)
(435) 781-7024

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

5. Lease Serial No.
MULTIPLE LEASES

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
MUTIPLE WELLS

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State
UINTAH COUNTY, UTAH

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

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

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

PLEASE BE ADVISED THAT KERR-McGEE OIL & GAS ONSHORE LP, IS CONSIDERED TO BE THE OPERATOR OF THE ATTACHED WELL LOCATIONS. EFFECTIVE JANUARY 6, 2006. KERR-McGEE OIL & GAS ONSHORE LP, IS RESPONSIBLE UNDER TERMS AND CONDITIONS OF THE LEASE(S) FOR THE OPERATIONS CONDUCTED UPON LEASE LANDS. BOND COVERAGE IS PROVIDED BY STATE OF UTAH NATIONWIDE BOND NO. RLB0005237.

RECEIVED
MAY 10 2006

BLM BOND = C01203
BIA BOND = RLB0005239

APPROVED 5/16/06

DIV. OF OIL, GAS & MINING

Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

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

Name (Printed/Typed) RANDY BAYNE	Title DRILLING MANAGER
Signature <i>Randy Bayne</i>	Date May 9, 2006

THIS SPACE FOR FEDERAL OR STATE USE

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
WESTPORT OIL & GAS COMPANY L.P.

3a. Address
1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)
(435) 781-7024

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

5. Lease Serial No.
MULTIPLE LEASES

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
MUTIPLE WELLS

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State
UINTAH COUNTY, UTAH

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

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

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

EFFECTIVE JANUARY 6, 2006, WESTPORT OIL & GAS COMPANY L.P., HAS RELINQUISHED THE OPERATORSHIP OF THE ATTACHED WELL LOCATIONS TO KERR-McGEE OIL & GAS ONSHORE LP.

APPROVED 5/16/06
Earlene Russell
 Division of Oil, Gas and Mining
 Earlene Russell, Engineering Technician

RECEIVED
 MAY 10 2006

DIV OF OIL, GAS & MINING

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

Name (Printed/Typed) BRAD LANEY	Title ENGINEERING SPECIALIST
Signature	Date May 9, 2006

THIS SPACE FOR FEDERAL OR STATE USE

Approved by <i>Brad Laney</i>	Title	Date 5-9-06
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

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



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Colorado State Office
2850 Youngfield Street
Lakewood, Colorado 80215-7076

IN REPLY REFER TO:

CO922 (MM)
3106
COC017387 et. al.

March 23, 2006

NOTICE

Kerr-McGee Oil & Gas Onshore L.P. :
1999 Broadway, Suite 3700 : Oil & Gas
Denver, CO 80202 :

Merger/Name Change - Recognized

On February 28, 2006 this office received acceptable evidence of the following mergers and name conversion:

Kerr-McGee Oil & Gas Onshore L.P., a Delaware Limited Partnership, and Kerr-McGee Oil & Gas Onshore LLC, a Delaware Limited Partnership merger with and into Westport Oil and Gas Company L.P., a Delaware Limited Partnership, and subsequent Westport Oil & Gas Company L.P. name conversion to Kerr-McGee Oil & Gas Onshore L.P.

For our purposes the merger and name conversion was effective January 4, 2006, the date the Secretary of State of Delaware authenticated the mergers and name conversion.

Kerr-McGee Oil & Gas Onshore L.P. provided a list of oil and gas leases held by the merging parties with the request that the Bureau of Land Management change all their lease records from the named entities to the new entity, Kerr-McGee Oil & Gas Onshore L.P. In response to this request each state is asked to retrieve their own list of leases in the names of these entities from the Bureau of Land Management's (BLM) automated LR2000 data base.

The oil and gas lease files identified on the list provided by Kerr-McGee Oil & Gas Onshore L.P. have been updated as to the merger and name conversion. We have not abstracted the lease files to determine if the entities affected by the acceptance of these documents holds an interest in the lease, nor have we attempt to identify leases where the entity is the operator on the ground that maintains vested record title or operating rights interests. If additional documentation, for change of operator, is required you will be contacted directly by the appropriate Field Office. The Mineral Management Services (MMS) and other applicable BLM offices were notified of the merger with a copy of this notice

Please contact this office if you identify additional leases where the merging party maintains an interest, under our jurisdiction, and we will document the case files with a copy of this notice. If the leases are under the jurisdiction of another State Office that information will be forwarded to them for their action.

Three riders accompanied the merger/name conversion documents which will add Kerr-McGee Oil and Gas Onshore LLC as a principal to the 3 Kerr-McGee bonds maintained by the Wyoming State Office. These riders will be forward to them for their acceptance.

The Nationwide Oil & Gas Continental Casualty Company Bond #158626364 (BLM Bond #CO1203), maintained by the Colorado State Office, will remain in full force and effect until an assumption rider is accepted by the Wyoming State Office that conditions their Nationwide Safeco bond to accept all outstanding liability on the oil and gas leases attached to the Colorado bond.

If you have questions about this action you may call me at 303.239.3768.

/s/Martha L. Maxwell
Martha L. Maxwell
Land Law Examiner
Fluid Minerals Adjudication

Attachment:

List of OG Leases to each of the following offices:

MMS MRM, MS 357B-1

WY, UT, NM/OK/TX, MT/ND, WY State Offices

CO Field Offices

Wyoming State Office

Rider #1 to Bond WY2357

Rider #2 to Bond WY1865

Rider #3 to Bond WY1127



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-922)

March 27, 2006

Memorandum

To: Vernal Field Office

From: Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the merger recognized by the Bureau of Land Management, Colorado State Office. We have updated our records to reflect the merger from Westport Oil and Gas Company L.P. into Kerr-McGee Onshore Oil and Gas Company. The merger was approved effective January 4, 2006.

Chief, Branch of
Fluid Minerals

Enclosure

Approval letter from BLM COSO (2 pp)

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
Dave Mascarenas
Susan Bauman

RECEIVED

MAR 28 2006

DIV. OF OIL, GAS & MINERAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Serial No.
UTU-01191-A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
UNIT #891008900A

8. Well Name and No.
NBU 170

9. API Well No.
4304732169

10. Field and Pool, or Exploratory Area
NATURAL BUTTES

11. County or Parish, State
UINTAH COUNTY, UTAH

SUBMIT IN TRIPLICATE – Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
KERR-McGEE OIL & GAS ONSHORE LP

3a. Address
1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)
(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
NWNW SEC. 4, T10S, R22E 549'FNL, 1169'FWL

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

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

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

THE OPERATOR REQUESTS AUTHORIZATION TO RECOMPLETE THE SUBJECT WELL LOCATION.
THE OPERATOR PROPOSES TO RE-FRAC THE WASATCH INTERVALS 5085'-5112' AND RETURN THE SUBJECT WELL BACK TO PRODUCTION.

PLEASE REFER TO THE ATTACHED RECOMPLETION PROCEDURE.

COPY SENT TO OPERATOR
Date: **11-17-06**
Initials: **[Signature]**

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

Name (Printed/Typed) Sheila Upchegg	Title Regulatory Analyst
Signature <i>[Signature]</i>	Date October 30, 2006

THIS SPACE FOR FEDERAL OR STATE USE

Approved by	Title Accepted by the Utah Division of Oil, Gas and Mining	Date 11/15/06	Federal Approval Of This Action Is Necessary
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.			

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

(Instructions on reverse)

RECEIVED
NOV 07 2006
DIV. OF OIL, GAS & MINING

NBU 170
 549' FNL & 1169' FWL
 NWNW - Sec. 4 - T10S - R22E
 Uintah County, UT

KBE: 5022'
 GLE: 5007'
 TD: 5886'
 PBSD: 5838'

API NUMBER: 43-047-32169
 LEASE NUMBER: UTU-01191A
 UNIT/CA NUMBER:
 WI: 100.000000%
 NRI: 81.202950%
 ORRI: 9.547750%

CASING:

12.25" hole
 8.625" 24# K-55 @ 272'
 Cemented with 150 sx Class G, did not circulate. Pumped 50 sx Class G top job with TOC holding @ surface

7.875" hole
 5.5" 17# K-55 @ 5886' with 280 sx Hifill lead and 660 sx 50-50 Pozmix tail, no cement circulated to surface.
 TOC @ 2500' by CBL (6/2/1992)
 Pumped a two stage top job (down 8 5/8" x 5 1/2" annulus) with 256 sx. Class G on 6/10-12/1992)

TUBING: 2.375" 4.7# J-55 @ 5414', SN @ 5411'

Tubular/Borehole	Drift inches	Collapse psi	Burst Psi	Capacities		
				Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1626	0.02173	0.00387
5.5" 17# J/K-55 csg.	4.892	4910	5320	0.9764	0.1305	0.02324
8.625" 24# K-55 csg	7.972	1370	2950	2.6749	0.3575	0.0636
7.875" borehole				2.5302	0.3382	0.0602
Annular Capacities						
2.375" tbg. X 5.5" 17# csg.				0.7462	0.0997	0.01776
5.5" csg. X 8.625" 24# csg.				1.4406	0.1926	0.0343
5.5" csg. X 7.875" hole				1.2978	0.1733	0.0309

GEOLOGIC INFORMATION:

Formation	Depth to top, ft.
Uinta	Surface
Green River	
Wasatch	4352'

Tech. Pub. #92 Base of USDW's

USDW Elevation ~1000' MSL
 USDW Depth ~4007' GLE

PERFORATION DETAIL:

Formation	Date	Top	Bottom	SPF	STATUS
Tw	8/18/1992	4827		1	Open
Tw	8/18/1992	4836		1	Open
Tw	8/18/1992	4980		1	Open
Tw	8/18/1992	4987		1	Open
Tw	8/18/1992	4996		1	Open
Tw	8/18/1992	5085		1	Open
Tw	8/18/1992	5094		1	Open
Tw	8/18/1992	5104		1	Open
Tw	8/18/1992	5112		1	Open
Tw	8/18/1992	5722		1	Open
Tw	8/18/1992	5778		1	Open
Tw	8/18/1992	5784		1	Open

WELL HISTORY

Completion – August 1992

- Perforated the gross **Wasatch** interval 4827' through 5784', landed tubing at 4760' and broke down with 24 bbl 15% HCl. Fractured with 119520 gal gel containing 220000# 20/40 mesh sand.
- Tested 1900 MCFD of dry gas, 950 psi FTP/800 psi SICP, 18/64th choke on 8/29/1992.

Workover #1 – January 1997

- Cleaned out sand from 5707' to 5834'.
- Landed tubing with EOT at 5777', SN at 5411' and RTP.

Workover #2 – March 2004

- Pulled tubing and laid down 30 scaled joints off bottom..
- Landed tubing with EOT at 5414', SN at 5411' and RTP.

NBU 170 REFRAC PROCEDURE

GENERAL:

- A minimum of 7 tanks (cleaned lined 500 bbl) of fresh water will be required. Note: Use biocide in tanks and the water needs to be at least 70°F at pump time.
- All perforation depths are from **Cutter's (gamma ray-CBL which is on depth; 6/2/1992)** or Halliburton's Compensated-Density-Neutron log dated 4/08/1992.
- 1 fracturing stages required for coverage.
- Procedure calls for 1 CBP's (1-8,000 psi).
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Put scale inhibitor 3 gals/1000 gals (in pad and ½ the ramp) and 10 gals/1000 gals in all flushes except the final stage. Remember to pre-load the casing with scale inhibitor for the very first stage with 10 gpt.
- **30/50 mesh Ottawa sand, Slickwater frac.**
- Maximum surface pressure **4250 psi**. (80% of casing burst)
- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). **DO NOT OVERDISPLACE**. Stage acid and scale inhibitor if necessary to cover the next perforated interval.
- Service companies need to provide surface/production annulus pop-offs to be set for 1500 psi. for each frac.
- **There is no flowback pit. Need flowback tank(s) to flow into following frac.**

PROCEDURE:

Note: Casing is 5 ½", 17 ppf, K-55; need to line up a packer and CBP for.

1. MIRU. NU and test BOP. RIH w/ tubing and tag for fill (tbg is already below where a CBP will be set). TOO H and visually inspect tbg. If tbg has a lot of scale or casing is deemed to need C/O, run a mill and C/O to 5250' w/ a foam unit.
2. TIH w/ 5 ½" pkr to 4775' (below top perf is @ 4827') and set. Test casing to 4250 psi (80% of casing burst). If casing test, continue with procedure. If not consult w/ engineering. TOO H w/ pkr.
3. Set 8,000 psi CBP at ~5250'. Perf the following (existing perforated sand) with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
Wasatch	5090	5101	4	44
# of Perfs/stage				44

4. **Frac is initially set up for slick water, but may change due to results of recent ongoing refrac program.**
5. Breakdown perfs and establish injection rate. Fracture as outlined in attached listing. Under-displace to ~5040' and **do not** include 500 gal 15% HCl (766' in 4 ½" casing) **or scale inhibitor** in flush.
6. Set 8000 psi CBP at ~4990'.

7. Get with engineering on drill put out plans based on frac. Land tubing at $\pm 5000'$.
8. RDMO

RBM

Fracturing Perforating Plan
NBU 170

Frac Stage	Zones	Perforations		SPF	Holes
		Top, ft.	Bot., ft.		
Existing perms >>>		4927	5101	0	0
Existing perms >>>		4980	4996	0	0
Wasatch		5090	5101	4	44
		New perms in bold, but there are 4 existing perms w/i target sand.			
# of Perfs/stage					44

Fracturing Schedules
NBU 170
Slickwater Frac

Stage	Zone	Pay Bot., ft	Feet of Pay	Perfs		SPF	Holes	Rate BPM	Fluid Type	Initial ppg	Final ppg	Fluid	Volume BBLs	Cum Vo BBLs	Fluid % of frac	Sand % of frac	Sand lbs	Cum. Sand lbs	Footage from CBP to Flush	Scale Inhib., gal.		
				Top, ft	Bot, ft																	
1	Wasatch	Existing perms >>>		4927	4836	0	0	Varied				Pump-in test	Slickwater	0	0					0		
	Wasatch	Existing perms >>>		4980	4996	0	0	0	ISIP			ISIP and 5 min ISIP								101		
	Wasatch	5114	32	5090	5101	4	44	50	Slickwater	Pad		Slickwater	800	800	30.0%	0.0%	0	0		67		
				New perms				50	Slickw	0.25	1.25	Slickwater	1,067	1,867	40.0%	38.1%	33,600	33,600		0		
								50	Slickw	1.25	2	Slickwater	800	2,667	30.0%	61.9%	54,600	88,200		0		
								50	Flush (4-1/2")				74	2,741			88,200		0			
									ISDP and 5 min ISDP										168			
		Ft of Net Pay	32	# of Perfs/stage		44										Flush depth	4786	gal/ft	3,500	2,766	lbs sand/ft	50
								56.8	<< Above pump time (min)													
	Totals		32				44						gals	2,741	bbls		Total Sand	88,200				
								0.9	Hrs						6.1	tanks		Total Scale Inhib. =	168			

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well Oil Well Gas Dry Other
 b. Type of Completion: New Work Over Deepen Plug Back Diff. Resvr.
 Other _____

2. Name of Operator
KERR MCGEE OIL & GAS ONSHORE LP

3. Address 3a. Phone No. (include area code)
1368 SOUTH 1200 EAST VERNAL, UTAH 84078 (435)-781-7024

4. Location of Well (Report locations clearly and in accordance with Federal requirements)*
At surface NW/NW 549'FNL, 1169'FWL
At top prod. interval reported below
At total depth

5. Lease Serial No.
UTU-01191-A

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.
UNIT #891008900A NBU UNIT

8. Lease Name and Well No.
NBU 170

9. API Well No.
4304732169

10. Field and Pool, or Exploratory
NATURAL BUTTES

11. Sec., T., R., M., or Block and Survey or Area SEC. 4, T10S, R22E

12. County or Parish UINTAH 13. State UTAH

14. Date Spudded 15. Date T.D. Reached 16. Date Completed
 D & A Ready to Prod.
03/09/2007 SHUT IN

17. Elevations (DF, RKB, RT, GL)*

18. Total Depth: MD 5866' TVD 19. Plug Back T.D.: MD 5215' TVD 20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

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

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Set (MD)
2 3/8"	4899'							

25. Producing Intervals 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WASATCH	5090'	5101'	5090'-5101'	36	54	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and type of Material
5090'-5101'	PMP 1276 BBLs MAGNUM FRAC 30 X-LINKED FLD & 353 TONS CO2 & 255,940# 20/40 JORDAN SD

28. Production - Interval A

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

28a. Production - Interval B

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

RECEIVED

MAY 01 2007

DIV. OF OIL, GAS & MINING

28b. Production - Interval C

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

28c. Production - Interval D

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

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

SHUT-IN

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

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

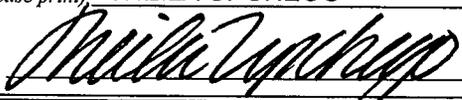
32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

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

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

Name (please print) SHEILA UPCHEGO Title SENIOR LAND ADMIN SPECIALIST

Signature  Date 4/24/2007

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE – Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
KERR-McGEE OIL & GAS ONSHORE LP

3a. Address
1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)
(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
NWNW SEC. 4, T10S, R22E 549'FNL, 1169'FWL

5. Lease Serial No.
UTU-01191-A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
UNIT #891008900A

8. Well Name and No.
NBU 170

9. API Well No.
4304732169

10. Field and Pool, or Exploratory Area
NATURAL BUTTES

11. County or Parish, State
UINTAH COUNTY, UTAH

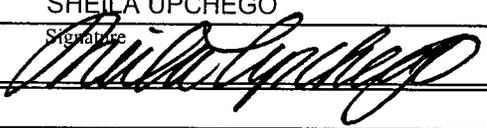
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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

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

THE OPERATOR HAS RECOMPLETED THE SUBJECT WELL LOCATION. THE OPERATOR COMPLETED THE REFRAC OF THE WASATCH INTERVALS 5085'-5112' MD. THE OPERATOR HAS TRIED TO GET THE WELL BACK TO PRODUCTION. WITH NO SUCCESS THE OPERATOR MADE SEVERAL ATTEMPTS TO CLEAN OUT THE WELL BORE AND TRIED TO GET IT ON BACK ON PRODUCTION. THE OPERATOR DECIDED TO SHUT THE WELL DUE TO NO PRODUCTION. THE OPERATOR REQUESTS THAT THE WELL BE PLACED ON SHUT-IN STATUS UNTIL THE WELL CAN BE FURTHER EVALUATED. PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

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

Name (Printed/Typed) SHEILA UPCHEGO	Title SENIOR LAND ADMIN SPECIALIST
Signature 	Date April 24, 2007

THIS SPACE FOR FEDERAL OR STATE USE

RECEIVED

Approved by	Title	Date
		MAY 01 2007
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	
		DIV. OF OIL, GAS & MINING

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



Anadarko Petroleum Corporation
1368 S. 1200 East
Vernal, UT 84078

CHRONOLOGICAL WELL HISTORY

NBU 170

NWNW, SEC. 4, T10S, R22E
UINTAH COUNTY, UT

RECOMPLETION

- 02/20/07** **MIRU**
Remarks: RR FROM VERNAL TO LOC. WAIT ON SAND & WATER TRUCKS. USING GRADER & HOE TO MOVE EQUIP ON LOC. SPOC RIG PMP & EQUIP. WAIT FOR MORNING TO SPOT RIG & RIG UP.
- 02/21/07** **TEST CASING**
Remarks: MIRU RIG & EQUIP. BLOW DN WELL. ND WH, BU BOP. PMP 40 BBL FOR KILL. UNLND TBG. POOH, LD HNGR, STND BACK TBG (169 JTS 2-3/8"). TBG ID & OD LOOKS VG. PU 4-3/4" MILL, 1 JT TBG, WTHRFD 5.5" ARROW SET PKR. RIH W/ASSY & 168 JTS TBG, EOT @ 5413', LD 19 JTS. SET PKR @ 4760' W/20,000# COMP. RU PMP TO CSG, FILL CSG W/78 BBL. MIRU B&C QUICK TEST, PRES TEST CSG TO 4300 PSI & HOLD FOR 15 MINS. BLD DN CSG, RLSE PKR & POOH W/ASSY & TBG, LD TBG ON FLOAT, LD PKR & MILL. MIRU CUTTERS WIRELINE SERVICE. PU 5.5" HALLIBURTON CBP & PERF GUN. RIH, SET CBP @ 5250'. PU, **PERF: 5090-5101'**. POOH, LD WL TLS, RDMO CWLS.
- 2/22/07** **MIRU**
Remarks: RD RIG. RACK OUT EQUIP. MOVE RIG & EQUIP OF OFF LOCATION. MIRU WEATHERFORD FRACTURING TECH (WFT). PREP TO START CO2 FRAC IN MORNING. SDFN.
- 02/23/07** **FRAC**
Remarks: 7:00 AM. HSM W/ WEATHERFORD ON CO-2 FRAC PRESSURE TEST CO-2 PUMP W/ N2 TO 6,000 PSI GOOD TEST.PRESSURE TEST FLUID LINES TO 5,000 PSI GOOD TEST.PRIME UP CO-2 PUMPS. WHP 0 PSI. OPEN WELL START PUMPING 12 BBLS OF ACID WELL ON VACUUM. **START PUMPING PAD MAGNUMFRAC 30 X-LINKED FLUID & CO-2 @ 65 QUALITY. THERE WAS NO BREAK WE WERE INJECTING @ 31 BPM @ 2,200 PSI. MP 3,248 PSI, MR 44 BPM, AP 2,872 PSI, AR 43.9 BPM ISIP 1,819 PSI, FG .80, PUMPED 1,276 BBLS MAGNUMFRAC 30 X-LINKED FLUID & 353 TONS OF CO-2 & 255,940 LBS OF 20/40 SAND.RIG DOWN WEATHERFORD FROM WELL HEAD. START FLOWING WELL BACK ON 14 CHOKE @ 1,000 PSI. RDMO WEATHERFORD.**
FLOW BACK REPORT: CP: 2200#, TP: #, BWPH, 22/64 CHK, TTL BBLS FLWD: TODAYS LTR: -400 BBLS, TTL LOAD RECD TO DATE: 400 BBLS
- 02/24/07** **FLOW BACK REPORT: CP: 250#, TP: #, 1.3 BWPH, 20/64 CHK, TTL BBLS FLWD: 23.4 TODAYS LTR: 676.6 BBLS, TTL LOAD RECD TO DATE: 423.4 BBLS**
- 02/25/07** **FLOW BACK REPORT: CP: 200#, TP: #, .02 BWPH, 20/64 CHK, TTL BBLS FLWD: .48 TODAYS LTR: 676.12 BBLS, TTL LOAD RECD TO DATE: 423.88 BBLS**
- 02/26/07** **FLOW BACK REPORT: CP: 200#, TP: #, 0 BWPH, 20/64 CHK, TTL BBLS FLWD: 18.02 TODAYS LTR: 658.1 BBLS, TTL LOAD RECD TO DATE: 441.9 BBLS**

02/27/07 **FLOW BACK REPORT:** CP: 200#, TP: #, 0 BWPH, 20/64 CHK, TTL BBLs FLWD: TODAY'S LTR: 658.1 BBLs, TTL LOAD RECD TO DATE: 441.9 BBLs

02/28/07 **FLOW BACK REPORT:** CP: 75#, TP: #, 0.3 BWPH, OPEN/64 CHK, TTL BBLs FLWD: 6.2 TODAY'S LTR: 651.9 BBLs, TTL LOAD RECD TO DATE: 448.1 BBLs

03/07/07 **CLEAN OUT SAND**
Remarks: ROAD RIG IN F/ CIGE 152. SPOT EQUIP RIG UP BLOW WELL DOWN. NIPPLE DOWN FRAC VALVES NIPPLE UP BOP SDFN.

03/08/07 **C/O SAND**
Remarks: 100# SICP BLOW WELL DOWN TALLY & PICK UP BIT 2 3/8" TBG W/ 160 JTS @ 5126'. RIG UP DRLG EQUIP, BRK CIRC W/ AIR FOAM CLEAN OUT SAND TO PB @ 5215'. CIRC CLEAN RIG DOWN FOAM UNIT & SWIVEL POOH SDFN.

03/09/07 **Land Tbg**
Remarks: 100# SICP. BLOW WELL DOWN. POOH LAY DOWN BIT. PICK UP S/N F-EDDIE RIH LAND ON WELL W/ 153 JTS 2 3/8" TBG EOT 4899'. NIPPLE DOWN BOP NIPPLE UP TREE RIG DOWN RIG. OPEN WELL TO FLOW TK NO BLOW TURN WELL TO PROD.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191A
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 170
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047321690000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6515 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0549 FNL 1169 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 04 Township: 10.0S Range: 22.0E Meridian: S	9. FIELD and POOL or WILDCAT: NATURAL BUTTES COUNTY: UINTAH STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 8/15/2011	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<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 type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input 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 checked="" 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 style="width: 100px;" type="text"/>

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

The operator requests authorization to plug and abandon the subject well location. Plug and abandonment procedures and final reclamation plans are attached.

Accepted by the Utah Division of Oil, Gas and Mining

Date: 09/20/2011

By: *Derek Quist*

NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 8/15/2011	

Name: **NBU 170** 5/12/11
 Surface Location: NWNW SEC.4, T10S, R22E
 Uintah County, UT

API: 4304732169 LEASE#: UTU-01191A

ELEVATIONS: 5007' GL 5022' KB

TOTAL DEPTH: 5886' PBD: 5778'

SURFACE CASING: 8 5/8", 24# K-55 @ 272' (GL), 12 1/4" Hole

PRODUCTION CASING: 5 1/2", 17# K-55 @ 5886', 7 7/8" Hole
 TOC @ 2500' per CBL (as noted in Chronological History)

PERFORATIONS: Wasatch 4327' - 5784'

Tubular/Borehole	Drift inches	Collapse psi	Burst psi	Capacities		
				Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1624	0.02171	0.0039
5.5" 17# K-55	4.892	4910	5320	0.9764	0.1305	0.02324
8.625" 24# J-55	7.972	1370	3930	2.6749	0.3575	0.0636
Annular Capacities						
2.375" tbg. X 5 1/2" 18# csg				0.7013	0.0937	0.0167
5.5" csg X 8 5/8" 24# csg				1.296	0.1733	0.0309
5.5" csg X 7.875 borehole				1.4407	0.1926	0.0343
8.625" csg X 12 1/4" borehole				3.0874	0.4127	0.0735

Formation	Depth to top, ft.	Tech. Pub. #92 Base of USDW's
Uinta	Surface	USDW Elevation ~1000' MSL
Green River	1178'	USDW Depth ~4022' KBE
Base of Parachute	2788'	
Wasatch	4344'	

NBU 170 PLUG & ABANDONMENT PROCEDURE**GENERAL**

- H2S MAY BE PRESENT. CHECK FOR H2S AND TAKE APPROPRIATE PRECAUTIONS.
- CEMENT QUANTITIES BELOW ASSUME NEAT CLASS G, YIELD 1.145 CUFT./SX. IF A DIFFERENT PRODUCT IS USED, WELLSITE PERSONNEL ARE RESPONSIBLE FOR CORRECTING QUANTITIES TO YIELD THE STATED SLURRY VOLUME. WHEN SQUEEZING, INCLUDE 10% EXCESS PER 1000' OF DEPTH.
- TREATED FRESH WATER WILL BE PLACED BETWEEN ALL PLUGS INSTEAD OF BRINE.
- ALL DISPLACEMENT FLUID SHALL CONTAIN CORROSION INHIBITOR AND BIOCIDES. PREMIX 5 GALLONS PER 100 BBLs FLUID.
- NOTIFY BLM/UDOGM 24 HOURS BEFORE MOVING ON LOCATION.

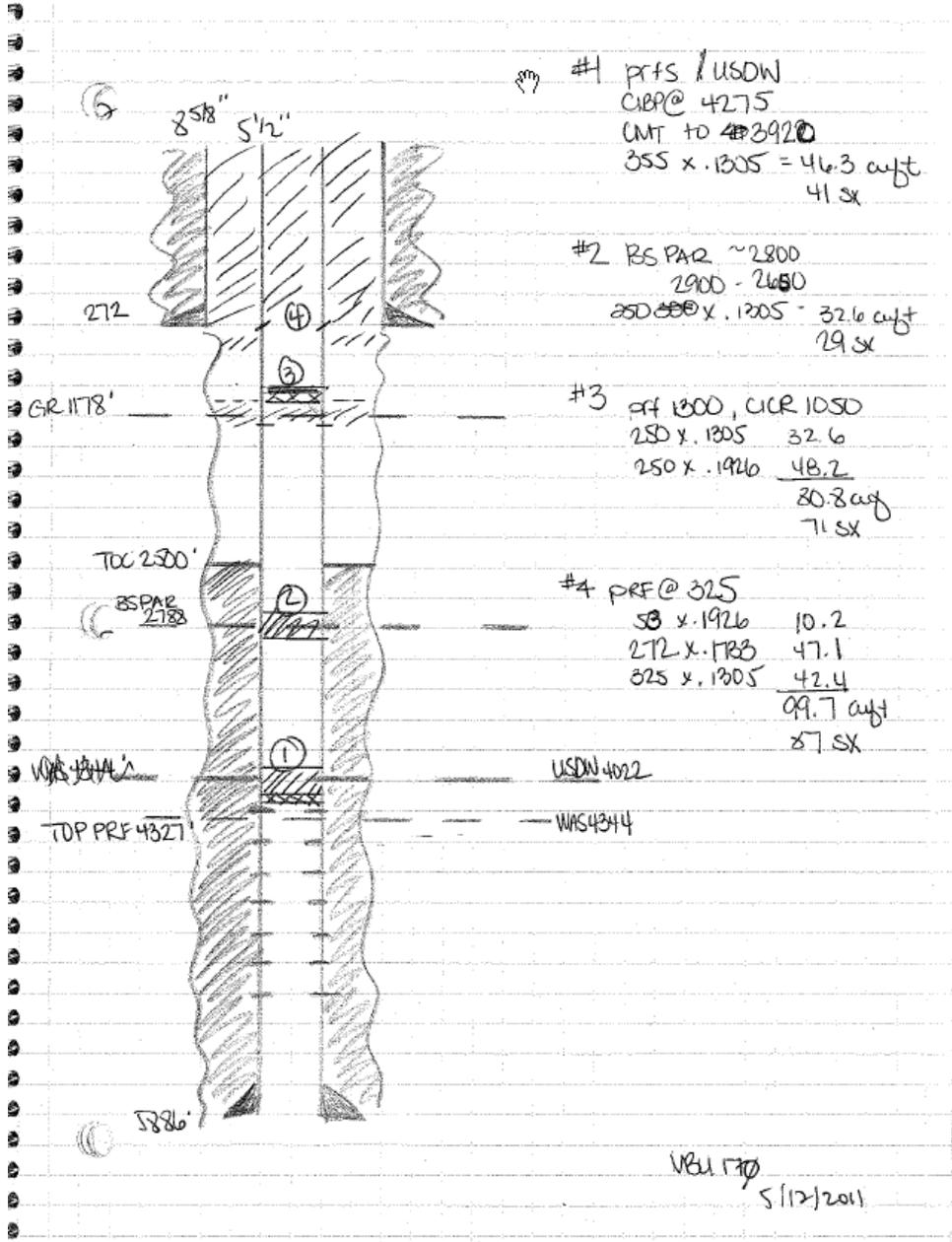
PROCEDURE

Note: An estimated 232 sx Class "G" cement needed for procedure

1. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.
2. PULL TBG & LD SAME. RU WIRELINE AND MAKE A GAUGE RING RUN TO CHECK FOR FILL. A GPS READING WILL NEED TO BE TAKEN AT THE WELL SITE AND RECORDED IN OPENWELLS. PLEASE TAKE IT TO THE 6TH DECIMAL PLACE.
3. **PLUG #1, ISOLATE WASATCH/MESAVERDE PERFORATIONS (4327'-5784') & PROTECT BASE OF USDW (~4022')**: RIH W/ 5 ½" CIBP. SET @ ~4275'. RELEASE CIBP, PUH 10', BRK CIRC W/ FRESH WATER. DISPLACE A MINIMUM OF **41 SX / 8.2 BBL / 46.3 CUFT**. ON TOP OF PLUG. PUH ABOVE TOC (~3920'). REVERSE CIRCULATE W/ TREATED FRESH WATER.
4. **PLUG #2, PROTECT BASE OF PARACHUTE MEMBER (~2788')**: PUH TO ~2800'. BRK CIRC W/ FRESH WATER. DISPLACE A MINIMUM OF **29 SX / 5.8 BBL / 32.6 CUFT** AND BALANCE PLUG W/ TOC @ ~2650' (250' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED FRESH WATER.
5. **PLUG #3, PROTECT TOP OF GREEN RIVER (~1178')**: POOH W/ TUBING. RIH W/ WIRELINE & PERFORATE @ 1300' W/ 4 SPF. POOH. PU & RIH W/ 5 ½" CICR, SET @ ~1050'. RIH W/ TBG & STING INTO CICR & SQUEEZE PERFS W/ APPROXIMATELY **71 SX / 14.4 BBL / 80.8 CUFT** OR SUFFICIENT VOLUME TO FILL CSG & ANNULUS TO 1050'. STING OUT OF CICR AND SPOT **4 SX / 0.8 BBL / 4.36 CUFT** CMT ON TOP OF CICR. BRK CIRC W/ FRESH WATER. POOH ABOVE TOC (~1000'). REVERSE CIRCULATE W/ TREATED FRESH WATER.
6. **PLUG #5, CEMENT SURFACE CASING SHOE (272') & SURFACE HOLE**: POOH W/ TBG. RIH W/ WIRELINE, PERFORATE @ 325' W/ 4 SPF. POOH W/ WIRELINE. RU CEMENT SERVICE TO PROD CSG. PUMP **87 SX / 17.8 BBL / 99.7 CUFT** OR SUFFICIENT VOLUME TO FILL CASING AND CASING ANNULUS TO SURFACE.
7. CUT OFF WELLHEAD AND INSTALL MARKER PER BLM GUIDELINES.

8. RDMO. TURN OVER TO OPERATIONS FOR SURFACE REHAB. SURFACE RECLAMATION TO BE PERFORMED IN ACCORDANCE WITH BLM GUIDELINES.

ALM 5/12/2011



NBU 170 Final Reclamation Plan

Prepared by:
Anadarko Petroleum Corporation
August 2011



Introduction

The NBU 170 (API # 43-047-32169) is a conventional natural gas well located in Uintah County, UT approximately 15 miles southeast of the town of Ouray, UT. The location is in section 4 of township 10S range 22E.

Final Reclamation Objectives

After production and operations cease, the goal of final reclamation is to return the land to a condition that approximates that which existed prior to disturbance and maintain a stable and productive condition compatible with the land use. The goal is not to achieve full ecological restoration of the site, but to achieve short-term stability, visual, hydrological and productivity objectives of the surface management agency and take steps necessary to ensure that long-term objectives will be reached through natural processes.

Site Preparation and Revegetation

Earthwork for final reclamation will be completed within six months of well plugging, if weather allows for such activities to take place. Disturbed areas will be revegetated after the site has been prepared. Site preparation will include respreading topsoil to an adequate depth and may also include ripping, tilling, disking on contour, dozer track-imprinting, and/or other accepted reclamation site preparation practices. Activities such as seeding and vegetation re-establishment must be completed within the appropriate season for such activities not necessarily immediately after earthwork has been completed. Fall seeding can be conducted after August 15 until ground frost. The long term objective of final reclamation is for eventual ecosystem restoration including the restoration of the natural vegetative community, hydrology and wildlife habitats. Following well plugging, well sites that do not blend with the surrounding landform will be re-contoured.

Well Site Reclamation

Following well plugging, all surface equipment will be removed. The NBU 170 will be re-contoured to blend with the surrounding landform and topography. Topsoil will be stripped before re-contouring and re-spread over the entire location.

Road Reclamation

All roads within the project area will be reclaimed unless the surface management agency or surface owner requests that they be left unreclaimed. Road reclamation will include recontouring and seeding and may also include ripping, scarifying or disking. The NBU 170 has approximately 200ft of access road to be reclaimed.

Reclamation of Other Associated Facilities

There are no other associated facilities with this well requiring reclamation.

Soil Preparation

Soil preparation will be conducted using a disk for areas in need of more soil preparation following site preparation. This will provide primary soil tillage to a depth no greater than 6 inches. Prior to reseeding, compacted areas will be scarified by ripping or chiseling to loosen compacted soils. Scarification will promote water infiltration; improve soil aeration and root penetration.

Seed Mix and Seeding

Common Name	PLS LBS/Acre
Indian Ricegrass	3
Sandberg bluegrass	0.75
Bottlebrush squirreltail	0.5
Great Basin Wildrye	0.5
Western wheatgrass	1.5
Winterfat	0.25
Shadscale	1.5
Four-wing saltbush	0.75
Scarlet Globemallow	0.5
Rocky Mtn. Bee Plant	.75
Forage Kochia	0.25
	9.75

The NBU 170 will be seeded with a no-till rangeland style seed drill with a "picker box" in order to seed "fluffy" seed. In areas that drill seeding may not be the preferred method, the seed will be broadcast and then raked into the ground at double the rate of drill seeding. All seed will be certified and tags will be kept on hand by Anadarko Petroleum Corporation, all seed will be certified weed free.

Soil Amendments and Stabilization

Additional soil amendments and stabilization may be required on sites with poor soils and greater erosion potential. The following soil amendments may be used on this location:

Sustane is an organic fertilizer that will be applied at the rate 1,800 – 2,100 lbs/acre with seed. Sustane granulated slow release fertilizers replenish the soil with essential nutrients and a rich supply of humus as required for long term soil building and plant growth. Sustane can be dry broadcast or applied with hydro-seeding equipment.

Erosion Control

The slopes will be stabilized using materials specifically designed to prevent erosion in order to allow permanent establishment of vegetation. These materials will include, but are not limited to erosion control blankets, hydro-mulch, or soil amendments such as erosion control polymers

Monitoring

Monitoring of the NBU 170 will be completed annually during the growing season and actions to ensure reclamation success will be taken as needed. During the first 2 growing seasons an ocular methodology will be used to determine the success of the reclamation activities. During the 3rd growing season a quantitative method of 200 point line intercept basal monitoring will be conducted in order to see if the reclaimed area has met 30% desirable basal cover when compared to the native vegetation. If 30% has not been met additional seeding/reclamation efforts may be necessary (Green River District Reclamation Guidelines). Monitoring will continue until the reclaimed area reaches 75% basal cover of desirable vegetation when compared to the undisturbed adjacent native vegetation.

All monitoring reports will be submitted to the Vernal BLM no later than March 31 of the year following the data collection. (Data collected in 2010 will be submitted in 2011 and so forth.) These reports will be submitted electronically in the form of a geodatabase for use in a geographic information system (GIS).

Noxious Weeds

Noxious weeds will be controlled as needed on the location. Monitoring and management of noxious and/or invasive weeds of concern will be completed annually until the project is deemed successfully reclaimed by the surface management agency and/or owner according to the Anadarko Integrated Weed Management Plan. Noxious weed infestations will be mapped using a GPS unit and submitted to the BLM with information required in the Vernal BLM Surface

Disturbance Weed Policy. If herbicide is to be applied it will be done according to an approved Pesticide Use Permit (PUP). Anadarko submits a field wide PUP annually, and this location will fall under the PUP. All pesticide applications will be recorded using a Pesticide Application Record (PAR) and will be submitted along with a Pesticide Use Report (PUR) annually prior to Dec. 31. All weed management will be done in accordance with the Vernal BLM Surface Disturbance Weed Policy.

Inspection and Final Abandonment Approval

When the NBU 170 has reached the final abandonment objectives, the operator will file a Final Abandonment Notice (FAN). Upon receipt of the FAN a site inspection will be completed by the management agency to ensure reclamation is fully successful and approve the FAN. The operator may request termination of the bond on the Final Abandonment Notice.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191A
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 170
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047321690000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6514 9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0549 FNL 1169 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 04 Township: 10.0S Range: 22.0E Meridian: S	COUNTY: UINTAH STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 4/25/2012 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <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 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 type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

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

The operator requests authorization to recomplete the subject well location. pad. The operator is proposing to permanently abandon the Wasatch perforations and complete the well in the Green River formation. Please see attachments. Thank you.

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

Date: May 21, 2012

By: *Derek Quist*

NAME (PLEASE PRINT) Gina Becker	PHONE NUMBER 720 929-6086	TITLE Regulatory Analyst II
SIGNATURE N/A	DATE 4/25/2012	

Greater Natural Buttes Unit



NBU 170 RE-COMPLETIONS PROCEDURE

DATE: 04/16/2012
AFE#:
API#: 4304732169
USER ID: WIU473 (Frac Invoices Only)

COMPLETIONS ENGINEER: Patricia Cuba, Denver, CO
(720) 929-6348 (Office)
(303) 601-7259 (Cell)

SIGNATURE:

ENGINEERING MANAGER: JEFF DUFRESNE

SIGNATURE:

REMEMBER SAFETY FIRST!

- **If distance between plug and top perf of previous stage is less than 50', it is considered to be tight spacing - over flush stage by 5 bbls (from top perf).**
- **If casing pressure test fails, call engineering and proceed to P&A.**
- Tubing Currently Landed @~4899'
- Originally completed on 08/18/1992
- **Plug calculations are based on Class G cement with 6% Bentonite. Adjust the cement slurry volumes if a different cement type will be used.**

Existing Perforations:

<u>Formation</u>	<u>Top</u>	<u>Bottom</u>	<u>Shots</u>	<u>Date</u>
Wasatch	4827	5784	12	08/18/1992
Wasatch	5090	5101	44	02/21/2007

Relevant History:

08/18/1992: completed in Wasatch formation (4827'-5784') with 119,520 gal of gel and 222,000 lbs of 20/40 sand.

02/21/2007: perf'd Wasatch formation (5090'-5101') with 53,592 gal of 30# gel and 255,940 lbs of 20/40 sand.

03/09/2007: tbg landed @ 4899'

H2S History:

NO H₂S History in Vernal H₂S tracking database.

PROCEDURE:

1. MIRU. Kill well as needed. ND WH, NU and test BOPE.
2. Trip in hole w/ tubing and tag. POOH w/tubing, if tubing has signs of possible fill in the wellbore, RIH with a 4 3/4" mill and clean out to 5101' at a minimum. Circulate hole clean with recycled water. POOH.
3. **PLUG #1 - ISOLATE WASATCH PERFORATIONS (4827' – 5101')**: RIH W/ 5 1/2" CIBP. SET @ ~4810'. Release CBP, PUH 10', break circulation with fresh water. Pressure test casing to 500 psi. Inform engineering if it doesn't test. Displace a minimum of **6 SX/ 1.2 BBL/ 6.5 CUFT** of cement on top of plug. PUH above TOC (~4760', equivalent to 50' COVERAGE). REVERSE CIRCULATE W/ TREATED FRESH WATER.
4. **PLUG #2 - PROTECT TOP OF WASATCH (4343')**: RIH W/ 5 1/2" CIBP. SET @ ~4420'. Release CBP, PUH 10', break circulation with fresh water. Pressure test casing to 500 psi. Inform engineering if it doesn't test. Displace a minimum of **11 SX/ 2.4 BBL/ 13 CUFT** of cement on top of plug. PUH above TOC (~4320', equivalent to 100' COVERAGE). REVERSE CIRCULATE W/ TREATED FRESH WATER. **NOTE: Plug**

calculations are based on Class G cement with 6% Bentonite. Adjust the cement slurry volumes if a different cement type will be used.

5. ND BOPs and NU frac valves. Test frac valves and casing to 1000 and 3500 psi for 15 minutes each and to 4500 psi for 30 minutes. As per standard operating procedure install steel blowdown line to reserve pit from 5-1/2" X 8-5/8" annulus. Lock **OPEN** the Braden head valve. Annulus will be monitored throughout stimulation. If release occurs, stimulation will be shut down. Well conditions will be assessed and actions taken as necessary to secure the well. UDOGM will be notified if a release to the annulus occurs.
6. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots	
GREEN RIVER		4230	4231	3	3
GREEN RIVER		4247	4248	3	3
GREEN RIVER		4256	4258	3	6
GREEN RIVER		4282	4284	3	6
GREEN RIVER		4302	4304	3	6
7. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 1 on attached listing. Under-displace to ~4230'. Flush only recycled water.
8. Set 8000 psi CBP at~4180'.
9. ND Frac Valves, NU and Test BOPs.
10. TIH with 4 3/4" bit, pump off sub, SN and tubing.
11. Clean out to 4320' Shear off bit and land tubing at ± **4260'** unless indicated otherwise by the well's behavior.
12. Clean out well with foam and/or swabbing unit until steady flow has been established from completion.
13. **Leave surface casing valve open.** Monitor and report any flow from surface casing. RDMO

**For design questions, please call
Patricia Cuba, Denver, CO
(720) 929-6348 (Office)
(303) 601-7259 (Cell)**

**For field implementation questions, please call
Jeff Samuels, Vernal, UT
(435)-781-7046 (Office)**

NOTES:

Total Stages 1 stages
 Last Stage Flush 0 gals

Service Company Supplied Chemicals - Job Totals

Friction Reducer	24	gals @	0.5	GPT
Surfactant	48	gals @	1.0	GPT
Clay Stabilizer	24	gals @	0.5	GPT
15% Hcl	250	gals @	250	gal/stg
Iron Control for acid	1	gals @	5.0	GPT of acid
Surfactant for acid	1	gals @	2.0	GPT of acid
Corrosion Inhibitor for acid	1	gals @	4.0	GPT of acid

Third Party Supplied Chemicals Job Totals - Include Pumping Charge if Applicable

Scale Inhibitor	83	gals pumped per schedule above
Biocide	14	gals @ 0.3 GPT

Name NBU 170

Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
1	GREEN RIVER	4230	4231	3	3	4225	to	4233
	GREEN RIVER	4247	4248	3	3	4246	to	4250
	GREEN RIVER	4256	4258	3	6	4254	to	4275
	GREEN RIVER	4282	4284	3	6	4277	to	4285
	GREEN RIVER	4302	4304	3	6	4296	to	4305
	GREEN RIVER							
	GREEN RIVER							
	# of Perfs/stage				24	CBP DEPTH	4,180	
	Totals	Total			24			Total

Acid Pickling and H2S Procedures (If Required)

****PROCEDURE FOR PUMPING ACID DOWN TBG**

WHEN FINDING SCALE IN TUBING THAT IS ACID SOLUBLE, ENSURE THAT PLUNGER EQUIPMENT IS REMOVED AND ABLE TO PUMP DOWN TBG. INSTALL A 'T' IN PUMP LINE W/2" VALVE THAT NALCO CAN TIE INTO. HAVE 60 BBLs 2% KCL MIXED W/ 10-15 GAL H2S SCAVENGER IN RIG FLAT TANK. (WE USED THE RIG FLAT TANK FOR MIXING CHEMICAL SO WE DIDN'T HAVE THE CHEMICAL IN ALL FLUIDS ON LOCATION, ONLY WHAT WE NEEDED TO PUMP DOWN HOLE)

1. PUMP 5-10 BBLs 2% KCL DOWN TBG (NALCO CANNOT PUMP AGAINST PRESSURE)
2. NALCO WILL PUMP 3 DRUMS HCL (31%) INTO PUMP LINE.
3. FLUSH BEHIND ACID WITH 10-15 BBL 2% KCL

4. PUMP 2—30 BBL 2% W/ H₂S SCAVENGER DOWN TBG.
5. PUMP REMAINDER OF 2% W/ H₂S SCAVENGER DOWN CASING AND SHUT WELL IN FOR MINIMUM OF 2 HRS.
6. OVER DISPLACE DOWN TBG AND CSG TO FLUSH ACID AND SCAVENGER INTO FORMATION
7. MONITOR TUBING FOR FLOW AND CASING FOR H₂S NOW AS POOH W/ TUBING.

**** PROCEDURE FOR PUMPING H₂S SCAVENGER WITHOUT ACID**

PRIOR TO RIG MOVING ON OR AS RIG PULLS ONTO LOCATION. TEST CASING, TUBING AND SEPARATOR FOR H₂S. IF FOUND MAKE SURE THAT PLUNGER SYSTEM IS REMOVED (IT IS POSSIBLE TO PUMP AROUND PLUNGERS BUT SOME WILL HAVE A STANDING VALVE IN SEATING NIPPLE).

1. MIX 10-15 GAL H₂S SCAVENGER WITH 60-100 BBL 2% KCL IN RIG FLAT TANK.
2. PUMP 25 BBL MIXTURE DOWN TUBING AND REST DOWN CASING. SHUT WELL IN FOR 2 HOURS.
3. IF WELL HAS PRESSURE AFTER 2 HOURS – RETEST CASING AND TUBING FOR H₂S.
4. FLUSH TUBING AND CASING PUSHING H₂S SCAVENGER INTO FORMATION.
5. MONITOR TUBING FOR FLOW AND CASING FOR H₂S NOW AS POOH W/ TUBING.

** As per APC standard operating procedure, APC foreman will verify ALL volumes pumped and record on APC Volume Report Form

NBU 170

Measured	Incl	Drift	TRUE	N-S	E-W	Vertical	CLOSURE	CLOSURE	Dogleg
Depth	Angle	Direction	Vertical	FT	FT	Section	Distance	Direction	Severity
FT	Deg	Deg	Depth			FT	FT	Deg	Deg/100
0	0	0	0	0	0	0	0	0	0
100	0.5	215.38	100	-0.36	-0.25	-0.36	0.44	215.38	0.5
200	0.59	175.81	199.99	-1.22	-0.47	-1.22	1.31	200.89	0.38
300	0.77	159.28	299.99	-2.37	-0.19	-2.37	2.37	184.64	0.26
400	0.87	159.68	399.98	-3.71	0.31	-3.71	3.72	175.23	0.1
500	0.88	155.73	499.97	-5.12	0.89	-5.12	5.2	170.16	0.06
600	0.99	149.17	599.95	-6.56	1.65	-6.56	6.76	165.91	0.15
700	1.18	117.76	699.94	-7.78	3	-7.78	8.34	158.92	0.62
800	1.63	92.95	799.91	-8.34	5.33	-8.34	9.9	147.39	0.75
900	1.88	86.31	899.86	-8.3	8.39	-8.3	11.8	134.7	0.32
1000	1.97	81.91	999.8	-7.96	11.73	-7.96	14.17	124.15	0.17
1100	1.85	69.42	1099.75	-7.15	14.94	-7.15	16.56	115.56	0.43
1200	1.82	58.61	1199.7	-5.75	17.81	-5.75	18.71	107.9	0.35
1300	1.76	50.04	1299.65	-3.94	20.34	-3.94	20.72	100.96	0.27
1400	1.53	36.59	1399.61	-1.88	22.31	-1.88	22.39	94.82	0.45
1500	1.29	47.72	1499.58	-0.05	23.94	-0.05	23.94	90.12	0.36
1600	1.09	75.8	1599.56	0.94	25.7	0.94	25.71	87.91	0.61
1700	1.02	108.64	1699.54	0.89	27.46	0.89	27.48	88.15	0.6
1800	0.99	135.4	1799.53	-0.01	28.91	-0.01	28.91	90.02	0.47
1900	1.09	150.8	1899.51	-1.46	29.98	-1.46	30.02	92.78	0.3
2000	1.21	147.16	1999.49	-3.17	31.02	-3.17	31.18	95.84	0.14
2100	1.31	145.31	2099.46	-5	32.24	-5	32.63	98.82	0.11
2200	1.34	149.65	2199.44	-6.95	33.48	-6.95	34.2	101.73	0.1
2300	1.32	161.9	2299.41	-9.05	34.43	-9.05	35.6	104.73	0.28
2400	1.41	161.99	2399.38	-11.32	35.17	-11.32	36.95	107.84	0.09
2500	1.54	166.99	2499.35	-13.8	35.85	-13.8	38.42	111.05	0.18
2600	1.5	165.99	2599.31	-16.38	36.47	-16.38	39.98	114.18	0.05
2700	1.39	182.66	2699.28	-18.86	36.73	-18.86	41.29	117.18	0.43
2800	1.35	194.35	2799.25	-21.21	36.39	-21.21	42.12	120.24	0.28
2900	1.55	181.29	2899.22	-23.7	36.06	-23.7	43.16	123.32	0.39
3000	1.78	179.47	2999.18	-26.61	36.05	-26.61	44.8	126.43	0.24
3200	1.91	187.71	3199.08	-33.02	35.63	-33.02	48.58	132.82	0.15
3400	1.86	186.78	3398.97	-39.54	34.8	-39.54	52.68	138.65	0.03
3600	1.65	183.99	3598.87	-45.64	34.21	-45.64	57.04	143.14	0.11
3800	1.68	208.54	3798.79	-51.09	32.61	-51.09	60.61	147.45	0.35
4000	1.2	204.94	3998.73	-55.56	30.33	-55.56	63.3	151.37	0.24
4200	0.92	226.76	4198.7	-58.56	28.28	-58.56	65.03	154.23	0.24
4400	0.54	251.9	4398.68	-59.95	26.21	-59.95	65.43	156.39	0.24
4600	0.16	343.35	4598.68	-59.98	25.24	-59.98	65.07	157.18	0.28
4800	0.31	3.55	4798.67	-59.17	25.19	-59.17	64.31	156.94	0.08

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191A
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 170
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047321690000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6514
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0549 FNL 1169 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 04 Township: 10.0S Range: 22.0E Meridian: S	9. FIELD and POOL or WILDCAT: NATURAL BUTTES COUNTY: UINTAH STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 7/1/2013	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<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 type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input 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 checked="" 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 style="width: 50px;" type="text"/>

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

The operator requests approval to abandon the existing WASATCH formation and recomplete the subject well in the Green River formation. This change will move the well from the Natural Buttes Unit to the Maverick Unit UTU88574X, approval order No. 197-013 on July 25, 2012. This is a federal well with the lease number UTU-01191A. Please see the attached procedure. Also please find the attached Exception Location Letter. Thank you.

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

Date: July 03, 2013

By: *Dark Quist*

NAME (PLEASE PRINT) Matthew P Wold	PHONE NUMBER 720 929-6993	TITLE Regulatory Analyst I
SIGNATURE N/A	DATE 7/1/2013	



Maverick Unit

NBU 170

**WELL PREPARATION + DFIT + GREEN RIVER RECOMPLETE
PROCEDURE**

FIELD ID: N/A

DATE: 06/10/2013

AFE#:

API#: 4304732169

USER ID: WIU473

**COMPLETIONS ENGINEER: Patricia Cuba, Denver, CO
(720) 929-6348 (Office)
(303) 601-7259 (Cell)**

REMEMBER SAFETY FIRST!

Name: NBU 170
Location: NW NW Sec 4 T10S R22E
LAT: 39.983760 **LONG: -109.450199** **COORDINATE: NAD83 (Surface Location)**
Uintah County, UT
Date: **06/10/2013**

ELEVATIONS: 5007' GL 5022' KB *Frac Registry TVD: 5886*

TOTAL DEPTH: 5886' **CIBP @ 4420'**
CIBP @4790'
Float Collar: 5838'

SURFACE CASING: 8 5/8", 24# K-55 STC @ 272'
PRODUCTION CASING: 5 1/2", 17#, K-55 LTC@ 5886'
 Marker Joint 4097-4115'

TUBULAR PROPERTIES:

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES	
				(bbl/ft)	(gal/ft)
2 3/8" 4.7# K-55 tbg	7,700	8,100	1.901"	0.00387	0.1624
5 1/2" 17# K-55	5,320	4,910	4.767"	0.0232	0.9764
2 3/8" by 4 1/2" Annulus				0.0178	

TOPS:

1361' Bird's Nest Top
 1843' Mahogany Top
 2788' Douglas Creek Top
 3809' Carb. Marker Top
 3950' Long Point Top
 4237' Uteland ButteTop
 4343' Wasatch Top
 Mesaverde Top (Not Penetrated)
 *Based on latest geological interpretation

T.O.C. @ 1600'

**Based on latest interpretation of CBL

- Hydraulic isolation estimated at **4096'** based upon from Cutter's CBL dated 06/02/1992. CBL log was run from 900' to TD. A new CBL should be run to evaluate the interval from surface to 900'.
- All perforation depths are from Halliburtons Induction-Density-Neutron log dated 04/08/1992

GENERAL:

- Please note that:
 - DFITs will be pumped in selective intervals. Detailed information regarding timing and intervals tested can be found in the post-job report.
 - In addition, all stages on this procedure may or may not be completed due to low frac gradients, timing, or other possible reasons. Total stages completed can be found in the post-job-report.
 - CBP depth on this procedure is only to be used as a reference. This depth is subject to change as per field operations and the discretion of the wireline supervisor and field foreman.

Existing Perforations (from Open Wells):

<u>PERFORATIONS</u>					
<u>Formation</u>	<u>Zone</u>	<u>Top</u>	<u>Btm</u>	<u>Date</u>	<u>Reason</u>
Wasatch		4827	4828	08/18/1992	PRODUCTION
Wasatch		4836	4837	08/18/1992	PRODUCTION
Wasatch		4980	4981	08/18/1992	PRODUCTION
Wasatch		4987	4988	08/18/1992	PRODUCTION
Wasatch		4996	4997	08/18/1992	PRODUCTION
Wasatch		5085	5086	08/18/1992	PRODUCTION
Wasatch		5090	5101	02/21/2007	
Wasatch		5094	5095	08/18/1992	PRODUCTION
Wasatch		5104	5105	08/18/1992	PRODUCTION
Wasatch		5112	5113	08/18/1992	PRODUCTION
Wasatch		5722	5723	08/18/1992	PRODUCTION
Wasatch		5778	5779	08/18/1992	PRODUCTION
Wasatch		5784	5785	08/18/1992	PRODUCTION

Relevant History:

- 08/18/1992: Completed in Wasatch formation (4827'-5784') with 119,520 gal of gel and 222,000 lbs of 20/40 sand.
- 02/21/2007: perf'd Wasatch formation (5090'-5101') with 53,592 gal of 30# gel and 255,940 lbs of 20/40 sand.
- 05/03/2012: Wasatch perforations and top of formation plug back:
Set CIBP @ 4790' and placed 10 sxs of Class G cement on top. Estimated TOC @ 4740'.
Set CIBP @ 4420' and placed 15 sxs of Class G cement on top of CIBP. Estimated TOC @ 4345'

H2S History: NO H₂S History in Vernal H₂S tracking database.

PRE-JOB CONSIDERATIONS:

- **Plug calculations are based on Class G cement with 0% Bentonite. Adjust the cement slurry volumes if a different cement type will be used.**
- 2 fracturing stages and 1 acid wash stage required for coverage.
- A minimum of 8 tanks (cleaned lined 500 bbl) of fresh water will be required
- 550 bbls of 15% HCl will be required for this job

Note:

- **Use biocide from Nalco as applicable in frac tanks**
- **Use Parasorb from Baker**
- **Do NOT use scale inhibitor**
- **Use only fresh water in order to assure crosslinked fluid performance**
- **Water needs to be at least 65-75°F at pump time**
- Procedure calls for 3 CBP's (8,000 psi) and 1 CIBP (10,000 psi)
- 20/40 mesh Ottawa sand.
- Max Sand Concentration: Green River - 4 ppg

ON SITE CONSIDERATIONS:

- Maximum surface pressure **4200 psi**.
- **If casing pressure test fails (pressure loss of 1.5% psi or more), retest for 15 minutes. If pressure loss of 1.5% more on second test, notify Denver engineers. Record in Openwells. MIRU with tubing and packer. Isolate leak by pressure testing above and below the packer. RIH and set appropriate casing leak remediation. Re-pressure test to 1000 and to 4200 psi for 30 minutes (specific details on remediation should be documented in OpenWells).**
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Flush volumes are the sum of FR water used during displacement.
- **Call flush at 0 PPG @ inline densimeters.** Slow to 5 bbl/min over last 10-20 bbls of flush.
- pH should be measured during the treatment in order to make sure acid has been flushed from the treating lines and will not affect the cross-linked gel.
- Multiple test samples will be pulled on the fly to check crosslinked gel.
- Bucket tests should be performed prior to pumping to assure the chemical pumps working and pumping at the desired rate.
- Soda ash should be brought to location to neutralize any acid spill.
- **If ball sealers will be pumped, verify the type (material, diameter and SG) before the treatment. Also, verify the number of balls that are dropped per turn. At the end of the treatment, manually verify the number of balls remaining and the number of balls pumped.**

PROCEDURE:

WELL PREPARATION

1. MIRU. Kill well as needed. ND WH, NU and test BOPE.
2. **DRILL OUT CIBP + CEMENT PLUG:** TIH with bit, drillout cement plug @ 4345' and cleanout to 4740'. Circulate hole clean with fresh water with clay stabilizer and biocide.
3. **SET CIBP + CEMENT PLUG TO ISOLATE TOP PORTION OF WASATCH:** This second isolation plug (first isolation plug in place, refer to the well history section) consists of: 1 CIBP + 100' of cement on top, leaving 100' between proposed bottom perms in Uteland Butte and TOC. This 100' rat hole will be used to place the downhole pump to improve its performance. The CBL shows good cement bond to pipe within the 100' rat hole, assuring proper isolation from Wasatch.

RIH W/ 5 1/2" CIBP. SET @ ~4540'. Pressure test casing to **4200 psi**. Inform engineering if it doesn't test. Release CIBP, PUH 10', break circulation with fresh water. Displace a minimum of 20 **SX/ 2.3 BBL/ 13 CUFT** of cement on top of plug. PUH above TOC (~4440', equivalent to 100' COVERAGE). **REVERSE CIRCULATE W/ TREATED FRESH WATER.**

4. POOHw/ tubing, ND BOP, NU frac valves, RDMO
5. Pressure test frac lines and frac valves to max surface pressure + 1000 psi for 15 minutes. Pressure loss should be less than 10% to be considered acceptable. Check and correct for existing leaks. **Lock OPEN the Braden head valve.**
6. **Leave surface casing valve open.** Monitor and report any flow from surface casing. RDMO

DFIT:

7. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
UTELAND BUTTE	4276	4278	3	6
UTELAND BUTTE	4281	4283	3	6

8. RIH with three (03) memory tools (**data acquisition frequency should be set at 1/sec**). Set gauges @ 4280'.
9. Perform a DFIT test on perforations **4276'- 4283'** as follows:
 - a. Dump bail acid if needed to breakdown the perforations
 - b. Pump **1000 gals @ 7 bpm** (make sure the pumping rate is **constant**).
 - c. The service company pumping the DFIT should record and provide an .txt file including the following information:
 - i. Surface Treating Pressure

- ii. Injection Rate
- iii. Volume pumped
- iv. Actual Time
- v. Elapsed Time

- d. After pumping the above volume, shut well in **for a minimum of 144 hours (6 days)** as directed by Denver engineering.
- e. POOH w/wireline and DH gauges. **NOTE: Stop every 500' for 5 minutes to gather static pressures while pulling out the gauges.**

10. Perf the remaining sand in the stage with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
UTELAND BUTTE	4256	4257	3	3
UTELAND BUTTE	4302	4304	3	6
UTELAND BUTTE	4317	4318	3	3
UTELAND BUTTE	4342	4343	3	3

COMPLETION:

- 11. MIRU. Kill well as needed. ND WH, NU and test BOPE.
- 12. ND BOPs and NU frac valves. Test frac valves to 1000 psi for 15 minutes and to **4200** psi for 30 minutes. Lock **OPEN** the Braden head valve. Annulus will be monitored throughout stimulation. If release occurs, stimulation will be shut down. Well conditions will be assessed and actions taken as necessary to secure the well. UDOGM will be notified if a release to the annulus occurs.
- 13. Pressure test frac lines to max surface pressure + 1000 psi for 15 minutes. Pressure loss should be less than 10% to be considered acceptable. Check and correct for existing leaks.
- 14. Breakdown perfs and establish injection rate. Dump bail 250 gals of 15% HCl if needed. Fracture as outlined in Stage 1 on attached listing. Displace with FR water to 4343' (volume to bottom perfs).

NOTE:

- **7/8" Rubber ball sealers will be pumped in this stage for diversion. Number of rubber ball sealers and timing to follow later.**

15. Set **8000** psi CBP at ~4245'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
LONG POINT	4225	4233	3	24

16. Breakdown perfs and establish injection rate. Dump bail 250 gals of 15% HCl if needed. Fracture as outlined in Stage 2 on attached listing. Displace with FR to 4225' (volume to top perfs).

17. Set **8000** psi CBP at ~3716'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
DOUGLAS CREEK	3606	3610	3	12
DOUGLAS CREEK	3648	3652	3	12
DOUGLAS CREEK	3668	3670	3	6

18. Breakdown perfs and establish injection rate. Dump bail 250 gals of 15% HCl if needed. Fracture as outlined in Stage 3 on attached listing. Displace to 3606' with FR water (volume to top perfs).
19. Set 8000 psi CBP at~3556' unless indicated otherwise by Production Engineering in Vernal.
20. ND Frac Valves, NU and Test BOPs.
21. TIH with 3 7/8" bit, pump off sub, SN and tubing.
22. Drill plugs and clean out to 4440' to make sure all the rubber ball sealers are knocked off the perforations. Shear off bit and land tubing at $\pm 4256'$ unless indicated otherwise by Production Engineering in Vernal.
23. Clean out well with foam and/or swabbing unit until steady flow has been established from completion.
24. **Leave surface casing valve open.** Monitor and report any flow from surface casing. RDMO

GREEN RIVER OIL WELL OPERATING PROCEDURE:

The Green River oil wells will be produced and treated in the following manner. Oil, water and gas will flow to surface treating facilities where it will be separated. The oil and water will then flow to storage tanks. Gas will flow in to the gathering system; which has a nominal operating pressure of ~120 psig. If gas line pressure increases above the 120 psig range the gas will flow to a compressor and be compressed to line pressure. If the compressor is down due to mechanical problems or line pressure is out of range for the compressor, gas will flow to a flare and be burned on site. If no compressor is installed then gas will be flared when pressure is greater than 120 psig.

Key Contact information

Completion Engineer

Patricia Cuba: 303/601-7259, 720/929-6348

Production Engineer

Jesse Markeveys: 215/380-0781, 435/781-7055

Brad Laney: 435/781-7031, 435/828-5469

Completion Supervisor Foreman

Jeff Samuels: 435/828-6515, 435/781-7046

Completion Manager

Jeff Dufresne: 720/929-6281, 303/241-8428

Vernal Main Office

435/789-3342

Emergency Contact Information—Call 911

Vernal Regional Hospital Emergency: 435-789-3342

Police: (435) 789-5835

Fire: 435-789-4222

Total Stages	3	stages
Xlinked stages	2	stages
Total Slickwater	42,889	gallons
Dump bail acid and tanks dead volume	880	gallons
Total Xlinked gel	69,583	gallons
TotalAcid	22,968	gallons
Total 100-mesh sand	0	lbs
Total 20/40 sand	106,900	lbs

Service Company Supplied Chemicals - Job Totals

Friction Reducer	21	gals @	0.5	GPT
Surfactant	112	gals @	1.0	GPT
Clay Stabilizer	56	gals @	0.5	GPT
Biocide	34	gals @	0.30	GPT
Scale Inhibitor	0	gals @	0.00	GPT
Crosslinker	70	gals @	1.0	GPT
ph Control	17	gals @	0.3	GPT
Gelling agent	313	gals @	4.5	GPT
Breaker 1	0	gals @	0.0	PPT
Breaker 2	109	gals @	1-2	lbs in flush
Iron Control for acid	69	gals @	3.0	GPT of acid
Corrosion Inhibitor for acid	69	gals @	3.0	GPT of acid
Surfactant for acid	23	gals @	1.0	GPT of acid

Service Company Supplied Chemicals
 Third Party Chemicals

Note: The concentrations above serve as reference based on previous treatments. Those are subject to change based on recommendations from the service companies.

Name NBU 170
 Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
1	UTELAND BUTTE	4256	4257	3	3	4255	to	4344
	UTELAND BUTTE	4276	4278	3	6			
	UTELAND BUTTE	4281	4283	3	6			
	UTELAND BUTTE	4302	4304	3	6			
	UTELAND BUTTE	4317	4318	3	3			
	UTELAND BUTTE	4342	4343	3	3			
	UTELAND BUTTE							
	UTELAND BUTTE							
	# of Perfs/stage				27	CBP DEPTH	4,245	
2	LONG POINT	4225	4233	3	24	4224	to	4234
	LONG POINT			0				
	LONG POINT			0				
	# of Perfs/stage				24	CBP DEPTH	3,716	
3	DOUGLAS CREEK	3606	3610	3	12	3606	to	3671
	DOUGLAS CREEK	3648	3652	3	12			
	DOUGLAS CREEK	3668	3670	3	6			
	# of Perfs/stage				30	CBP DEPTH	3,556	
	Totals				81			58

NBU 170

Measured	Incl	Drift	TRUE	N-S	E-W	Vertical	CLOSURE	CLOSURE	Dogleg
Depth	Angle	Direction	Vertical	FT	FT	Section	Distance	Direction	Severity
FT	Deg	Deg	Depth			FT	FT	Deg	Deg/100
0	0	0	0	0	0	0	0	0	0
100	0.5	215.38	100	-0.36	-0.25	-0.36	0.44	215.38	0.5
200	0.59	175.81	199.99	-1.22	-0.47	-1.22	1.31	200.89	0.38
300	0.77	159.28	299.99	-2.37	-0.19	-2.37	2.37	184.64	0.26
400	0.87	159.68	399.98	-3.71	0.31	-3.71	3.72	175.23	0.1
500	0.88	155.73	499.97	-5.12	0.89	-5.12	5.2	170.16	0.06
600	0.99	149.17	599.95	-6.56	1.65	-6.56	6.76	165.91	0.15
700	1.18	117.76	699.94	-7.78	3	-7.78	8.34	158.92	0.62
800	1.63	92.95	799.91	-8.34	5.33	-8.34	9.9	147.39	0.75
900	1.88	86.31	899.86	-8.3	8.39	-8.3	11.8	134.7	0.32
1000	1.97	81.91	999.8	-7.96	11.73	-7.96	14.17	124.15	0.17
1100	1.85	69.42	1099.75	-7.15	14.94	-7.15	16.56	115.56	0.43
1200	1.82	58.61	1199.7	-5.75	17.81	-5.75	18.71	107.9	0.35
1300	1.76	50.04	1299.65	-3.94	20.34	-3.94	20.72	100.96	0.27
1400	1.53	36.59	1399.61	-1.88	22.31	-1.88	22.39	94.82	0.45
1500	1.29	47.72	1499.58	-0.05	23.94	-0.05	23.94	90.12	0.36
1600	1.09	75.8	1599.56	0.94	25.7	0.94	25.71	87.91	0.61
1700	1.02	108.64	1699.54	0.89	27.46	0.89	27.48	88.15	0.6
1800	0.99	135.4	1799.53	-0.01	28.91	-0.01	28.91	90.02	0.47
1900	1.09	150.8	1899.51	-1.46	29.98	-1.46	30.02	92.78	0.3
2000	1.21	147.16	1999.49	-3.17	31.02	-3.17	31.18	95.84	0.14
2100	1.31	145.31	2099.46	-5	32.24	-5	32.63	98.82	0.11
2200	1.34	149.65	2199.44	-6.95	33.48	-6.95	34.2	101.73	0.1
2300	1.32	161.9	2299.41	-9.05	34.43	-9.05	35.6	104.73	0.28
2400	1.41	161.99	2399.38	-11.32	35.17	-11.32	36.95	107.84	0.09
2500	1.54	166.99	2499.35	-13.8	35.85	-13.8	38.42	111.05	0.18
2600	1.5	165.99	2599.31	-16.38	36.47	-16.38	39.98	114.18	0.05
2700	1.39	182.66	2699.28	-18.86	36.73	-18.86	41.29	117.18	0.43
2800	1.35	194.35	2799.25	-21.21	36.39	-21.21	42.12	120.24	0.28
2900	1.55	181.29	2899.22	-23.7	36.06	-23.7	43.16	123.32	0.39
3000	1.78	179.47	2999.18	-26.61	36.05	-26.61	44.8	126.43	0.24
3200	1.91	187.71	3199.08	-33.02	35.63	-33.02	48.58	132.82	0.15
3400	1.86	186.78	3398.97	-39.54	34.8	-39.54	52.68	138.65	0.03
3600	1.65	183.99	3598.87	-45.64	34.21	-45.64	57.04	143.14	0.11
3800	1.68	208.54	3798.79	-51.09	32.61	-51.09	60.61	147.45	0.35
4000	1.2	204.94	3998.73	-55.56	30.33	-55.56	63.3	151.37	0.24
4200	0.92	226.76	4198.7	-58.56	28.28	-58.56	65.03	154.23	0.24
4400	0.54	251.9	4398.68	-59.95	26.21	-59.95	65.43	156.39	0.24
4600	0.16	343.35	4598.68	-59.98	25.24	-59.98	65.07	157.18	0.28
4800	0.31	3.55	4798.67	-59.17	25.19	-59.17	64.31	156.94	0.08

NOTES:

If using any chemicals for pickling tubing or H2S Scavenging, have MSDS for all chemicals prior to starting work

Acid Pickling and H2S Procedures (If Required)

****PROCEDURE FOR PUMPING ACID DOWN TBG**

WHEN FINDING SCALE IN TUBING THAT IS ACID SOLUBLE, ENSURE THAT PLUNGER EQUIPMENT IS REMOVED AND ABLE TO PUMP DOWN TBG. INSTALL A 'T' IN PUMP LINE W/2" VALVE THAT NALCO CAN TIE INTO. HAVE 60 BBL 2% KCL MIXED W/ 10-15 GAL H2S SCAVENGER IN RIG FLAT TANK. (WE USED THE RIG FLAT TANK FOR MIXING CHEMICAL SO WE DIDN'T HAVE THE CHEMICAL IN ALL FLUIDS ON LOCATION, ONLY WHAT WE NEEDED TO PUMP DOWN HOLE)

1. PUMP 5-10 BBL 2% KCL DOWN TBG (NALCO CANNOT PUMP AGAINST PRESSURE)
2. NALCO WILL PUMP 3 DRUMS HCL (31%) INTO PUMP LINE.
3. FLUSH BEHIND ACID WITH 10-15 BBL 2% KCL
4. PUMP 2—30 BBL 2% W/ H2S SCAVENGER DOWN TBG.
5. PUMP REMAINDER OF 2% W/ H2S SCAVENGER DOWN CASING AND SHUT WELL IN FOR MINIMUM OF 2 HRS.
6. OVER DISPLACE DOWN TBG AND CSG TO FLUSH ACID AND SCAVENGER INTO FORMATION
7. MONITOR TUBING FOR FLOW AND CASING FOR H2S NOW AS POOH W/ TUBING.

**** PROCEDURE FOR PUMPING H2S SCAVENGER WITHOUT ACID**

PRIOR TO RIG MOVING ON OR AS RIG PULLS ONTO LOCATION. TEST CASING, TUBING AND SEPARATOR FOR H2S. IF FOUND MAKE SURE THAT PLUNGER SYSTEM IS REMOVED (IT IS POSSIBLE TO PUMP AROUND PLUNGERS BUT SOME WILL HAVE A STANDING VALVE IN SEATING NIPPLE).

1. MIX 10-15 GAL H2S SCAVENGER WITH 60-100 BBL 2% KCL IN RIG FLAT TANK.
2. PUMP 25 BBL MIXTURE DOWN TUBING AND REST DOWN CASING. SHUT WELL IN FOR 2 HOURS.
3. IF WELL HAS PRESSURE AFTER 2 HOURS – RETEST CASING AND TUBING FOR H2S.
4. FLUSH TUBING AND CASING PUSHING H2S SCAVENGER INTO FORMATION.
5. MONITOR TUBING FOR FLOW AND CASING FOR H2S NOW AS POOH W/ TUBING.

** As per APC standard operating procedure, APC foreman will verify ALL volumes pumped and record on APC Volume Report Form



Kerr-McGee Oil & Gas Onshore LP

A wholly owned subsidiary of Anadarko Petroleum Corporation

1099 18th Street
Denver, CO 80202
720-929-6000 (main)

July 1, 2013

Mrs. Diana Mason
Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, UT 84114-6100

RE: Well Name: NBU 170
T10S-R22E
Section 4: NWNW
Surface: 549' FNL, 1,169' FWL
Bottom Hole: 549' FNL, 1,169' FWL
Uintah County, Utah

Dear Mrs. Mason:

Kerr-McGee Oil & Gas Onshore LP has submitted a sundry to recomplete the captioned well to test the Green River formation. The well is located within the area covered by Cause No. 197-10 and is within an exception location area. Cause No. 197-10 establishes Spacing Intervals underlying the effected lands as 160 acre quarter sections and requires the surface location of the permitted well to be located within a drilling window centered on the quarter section. In addition, the bottomhole location of the wellbore is to be no closer than 1,000 feet from the exterior boundary of the 160 acre drilling unit. The surface and bottom hole locations are outside of the prescribed boundary. The purpose for this recomplete operation is to utilize an existing wellbore to continue development in the Green River formation. By utilizing an existing wellbore, it will reduce surface disturbance with our operations.

Kerr-McGee owns 100% of the leasehold in the offset lands and has no objection to the exception location.

Kerr-McGee requests your approval of this exception location. If you have any questions or require any additional information, please do not hesitate to call me at 720-929-6081.

Sincerely,

A handwritten signature in blue ink that reads 'Brett Torina'.

Brett Torina
Landman

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191A
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 170
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047321690000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6100
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0549 FNL 1169 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 04 Township: 10.0S Range: 22.0E Meridian: S	9. FIELD and POOL or WILDCAT: NATURAL BUTTES COUNTY: UINTAH STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 3/12/2014 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <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 type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input checked="" type="checkbox"/> 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 type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

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

The operator request authorization to Plug and Abandon the subject well location. Please see the attached Plug & Abandonment procedure. This is a State Courtesy Copy for a Federal well. Thank you.

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

Date: March 19, 2014
By: *Dark Quif*

NAME (PLEASE PRINT) Matthew P Wold	PHONE NUMBER 720 929-6993	TITLE Regulatory Analyst I
SIGNATURE N/A	DATE 3/12/2014	

NBU 170
549' FNL & 1169' FWL
NWNW SEC.4, T10S, R22E
Uintah County, UT

KBE: 5022' API NUMBER: 4304732169
GLE: 5007' LEASE NUMBER: UTU-01191-A
TD: 5886'
PBTD: ~4290' (CIBP W/ CMT CAP)

CASING : 12.25" hole
8.625" 24# K-55 @ 272' (GL)
TOC @ Surface

7.875" hole
5.5" 17# K-55 @ 5886'
TOC @ ~2500' per CBL (as noted in Chronological History)

PERFORATIONS: Wasatch 4327' - 5784' Plugged Back 5/4/2012

TUBING: No Tubing in Hole, pulled on 5/2/2012

Tubular/Borehole	Drift inches	Collapse psi	Burst psi	Capacities		
				Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1624	0.02171	0.0039
5.5" 17# K-55	4.892	4910	5320	0.9764	0.1305	0.02324
8.625" 24# J-55	7.972	1370	3930	2.6749	0.3575	0.0636
Annular Capacities						
2.375" tbg. X 5 1/2" 18# csg				0.7013	0.0937	0.0167
5.5" csg X 8 5/8" 24# csg				1.296	0.1733	0.0309
5.5" csg X 7.875 borehole				1.4407	0.1926	0.0343
8.625" csg X 12 1/4" borehole				3.0874	0.4127	0.0735

GEOLOGIC INFORMATION:

Formation	Depth to top, ft.
Uinta	Surface
Green River	1178'
Bird's Nest	1361'
Mahogany	1842'
Base of Parachute	2788'
Wasatch	4344'

Tech. Pub. #92 Base of USDW's

USDW Elevation	~1000' MSL
USDW Depth	~4022' KBE

NBU 170 PLUG & ABANDONMENT PROCEDURE

GENERAL

- H2S MAY BE PRESENT. CHECK FOR H2S AND TAKE APPROPRIATE PRECAUTIONS.
- CEMENT QUANTITIES BELOW ASSUME NEAT CLASS G, YIELD 1.145 CUFT./SX. IF A DIFFERENT PRODUCT IS USED, WELLSITE PERSONNEL ARE RESPONSIBLE FOR CORRECTING QUANTITIES TO YIELD THE STATED SLURRY VOLUME. WHEN SQUEEZING, INCLUDE 10% EXCESS PER 1000' OF DEPTH.
- TREATED FRESH WATER WILL BE PLACED BETWEEN ALL PLUGS INSTEAD OF BRINE.
- ALL DISPLACEMENT FLUID SHALL CONTAIN CORROSION INHIBITOR AND BIOCIDES. PREMIX 5 GALLONS PER 100 BBLs FLUID.
- NOTIFY BLM 24 HOURS BEFORE MOVING ON LOCATION.
- A GPS READING WILL NEED TO BE TAKEN AT THE WELL SITE AND RECORDED IN OPENWELLS. PLEASE TAKE IT TO THE 6TH DECIMAL PLACE.

PROCEDURE

Note: Estimated 348 sx Class "G" cement needed for procedure. (2) 5.5" CICR'S.

Note: Gyro was run on this well on 5/4/2012.

Note: Plugs 1 & 2 set on 5/4/2012.

1. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.
2. A GPS READING WILL NEED TO BE TAKEN AT THE WELL SITE AND RECORDED IN OPENWELLS. PLEASE TAKE IT TO THE 6TH DECIMAL PLACE.
3. **PLUG #3, PROTECT BASE OF USDW (~4022')**: RIH W/ TBG. TAG ORIGINAL CMT TOP @ ~4290'. PUH 10'. REV CIRC W/ TREATED FRESH WATER. PUH TO ~4150', AND DISPLACE **29 SX / 5.8 BBL / 32.6 CUFT.** CMT AND BALANCE PLUG W/ TOC @ ~3900' (250' COVERAGE). REVERSE CIRCULATE W/ TREATED WATER (~63.6 BBLs).
4. **PLUG #4, PROTECT BASE OF PARACHUTE (~2788')**: PUH TO ~2900'. BRK CIRC W/ FRESH WATER. DISPLACE **29 SX / 5.8 BBL / 32.6 CUFT.** AND BALANCE PLUG W/ TOC @ ~2650' (250' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED WATER (44.5 BBLs). POOH.
5. **PLUG #5, PROTECT TOP OF MAHOGANY (1842')**: RIH W/ WIRELINE & PERFORATE @ 1950' W/ 4 SPF. POOH. PU & RIH W/ 5 ½" CICR, SET @ 1900'. RIH W/ TBG & STING INTO CICR & SQUEEZE PERFS W/ APPROXIMATELY **70 SX / 14.2 BBL / 80 CUFT** OR SUFFICIENT VOLUME TO FILL CSG & ANNULUS TO **1740'** (CALCULATION INCLUDES 18% EXCESS AS STATED IN GENERAL REQUIREMENTS ABOVE). STING OUT OF CICR. BRK CIRC W/ FRESH WATER. POOH ABOVE TOC (~1740'). REVERSE CIRCULATE W/ TREATED FRESH WATER (17.2 BBLs). POOH.
6. **PLUG #6, PROTECT TOP OF BIRD'S NEST (~1361') & TOP OF GREEN RIVER (1178')**: RIH W/ WIRELINE & PERFORATE @ 1470' W/ 4 SPF. POOH. PU & RIH W/ 5 ½" CICR, SET @ 1400'. RIH W/ TBG & STING INTO CICR & SQUEEZE PERFS W/ APPROXIMATELY **129 SX / 26.2 BBL / 147.3 CUFT** OR SUFFICIENT VOLUME TO FILL CSG & ANNULUS TO **1070'** (CALCULATION INCLUDES 14% EXCESS AS STATED IN GENERAL REQUIREMENTS ABOVE). STING OUT OF CICR. BRK CIRC W/ FRESH WATER. POOH ABOVE TOC (~1070'). REVERSE CIRCULATE W/ TREATED FRESH WATER (46.4 BBLs). POOH.
7. **PLUG #7, PROTECT SURFACE CSG SHOE (287' KB), FILL SURFACE HOLE & ANNULUS:** POOH. RIH W/ WIRELINE, PERFORATE @ 340' W/ 4 SPF. POOH W/ WIRELINE. RU CEMENT SERVICE TO PROD CSG. PUMP **91 SX / 18.6 BBL / 104.3 CUFT.** OR SUFFICIENT VOLUME TO FILL ANNULUS AND CASING TO SURFACE.
8. CUT OFF WELLHEAD AND INSTALL MARKER PER REGULATIONS.
9. RDMO. TURN OVER TO DRILLING OPS FOR PAD DEVELOPMENT.

ALM 3/6/14



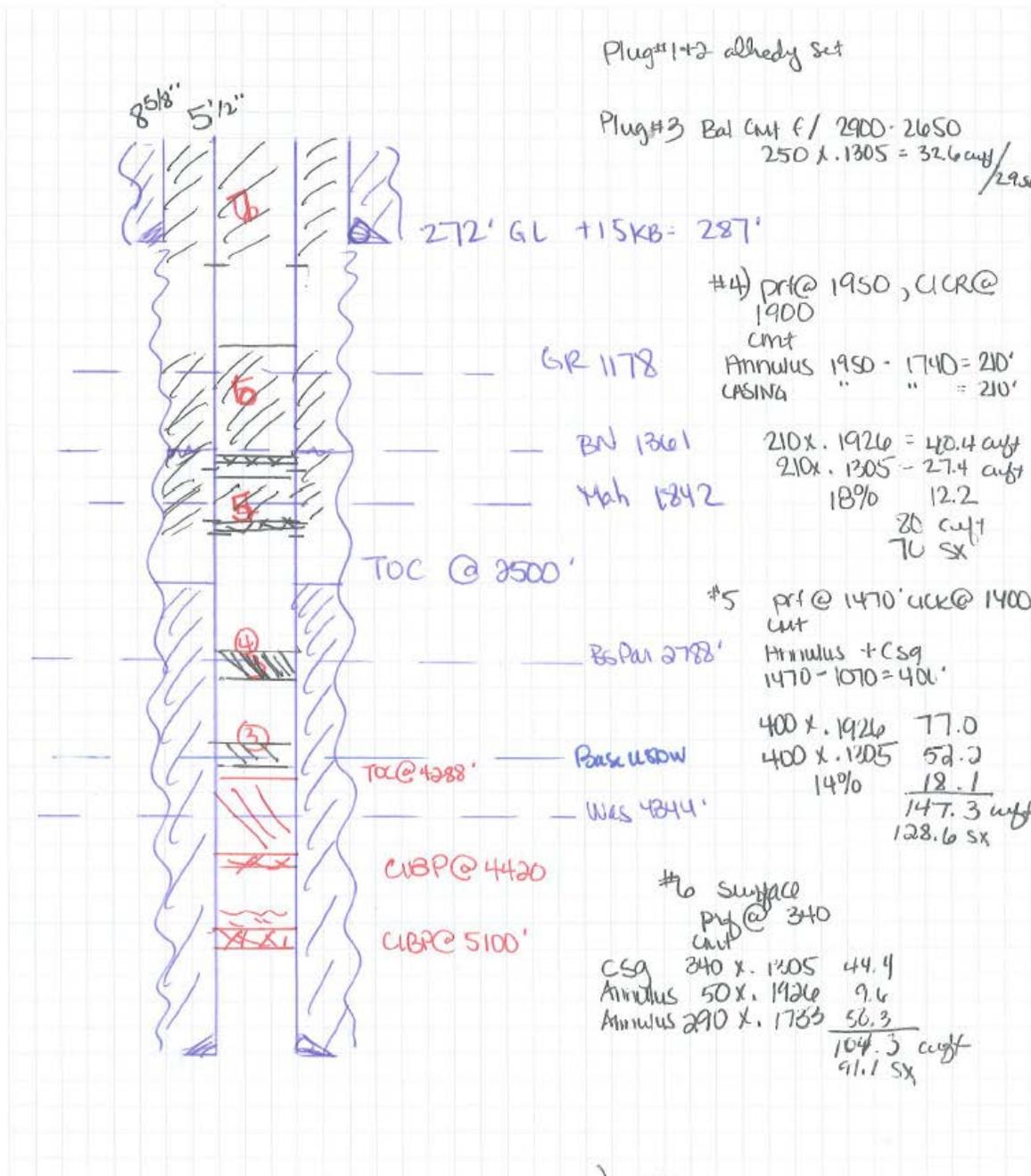
APC 206 2/01

PROJECT COMPUTATIONS

NO. _____ OF _____ SHEETS

DATE NBU 170 PROJECT _____ JOB NO. _____

BY _____ CHK.: _____ SUBJECT _____



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191A
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Gas Well		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		8. WELL NAME and NUMBER: NBU 170
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		9. API NUMBER: 43047321690000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0549 FNL 1169 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 04 Township: 10.0S Range: 22.0E Meridian: S		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
		COUNTY: UINTAH
		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 type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input checked="" 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"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/3/2014		
<input type="checkbox"/> SPUD REPORT Date of Spud:		
<input type="checkbox"/> DRILLING REPORT Report Date:		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
The operator has concluded the plug and abandonment operations on the subject well location on 12/3/2014. This well was plugged and abandoned in order to accommodate drilling operations for the referenced well location. Please see the attached chronological well history for details and updated latitude and longitude location. Thank you.		Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY December 16, 2014
NAME (PLEASE PRINT) Kay E. Kelly	PHONE NUMBER 720 929 6582	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 12/15/2014	

US ROCKIES REGION
Operation Summary Report

Well: NBU 170

Spud date: 3/25/1992

Project: UTAH-UINTAH

Site: NBU 170

Rig name no.: GWS 1/1

Event: ABANDONMENT

Start date: 12/1/2014

End date: 12/3/2014

Active datum: GL @5,006.99usft (above Mean Sea Level)

UWI: NBU 170

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
12/2/2014	7:00 - 7:15	0.25	ABANDP	48		P		SAFETY = JSA.
	7:15 - 11:00	3.75	ABANDP	31	I	P		SICP= 0#. MIRU. NDWH. NUBOP. R/U FLOOR & TBNG EQUIP. P/U & RIH W/ 138JTS 2-3/8" J-55 TBNG + N.C. T/U ON CMT TOP @4302'. L/D 5JTS TBNG. LEAVE EOT @ 4150'.
	11:00 - 11:35	0.58	ABANDP	51	D	P		MIRU CMT CREW.CIRC WELL W/ 50BBLs TMAC. PRESSURE TEST CSNG GOOD @ 500#. LOST 5# IN 15MIN. BLEED OFF PRESSURE. PUMP 5BBLs FRESH WATER LEAD. PUMP 30SX "G" CMT. DISPLACE W/ 13.9BBLs TMAC. R/D CMT.
	11:35 - 12:15	0.67	ABANDP	31	I	P		L/D 40JTS TBNG. LEAVE EOT @ 2900'.
	12:15 - 12:40	0.42	ABANDP	51	D	P		R/U CMT. BREAK CIRC W/ 10BBLs FRESH WATER. PUMP 30 SX "G" CMT. DISPLACE W/ 9.1BBLs TMAC. R/D CMT.
	12:40 - 13:40	1.00	ABANDP	31	I	P		L/D 33 JTS TBNG NOT NEEDED FOR SQUEEZE JOB. POOH WHILE S/B REMAINING 60JTS.
	13:40 - 14:30	0.83	ABANDP	34	H	P		MIRU WIRELINE. P/U & RIH W/ 1' 4HOLE SQUEEZE GUN. PERFORATE 5-1/2" CSNG @ 1950'. POOH W/ WIRELINE. RDMO WIRELINE.
								R/U PUMP LINES. LOAD CSNG W/ 8BBLs TMAC. BREAK DOWN SQUEEZE HOLES W/ 2000# @ 1/4BPM. PRESSURE FELL BACK TO 1000# @ 1BPM. BLEED OFF PRESSURE.
	14:30 - 16:30	2.00	ABANDP	31	I	P		P/U & RIH W/ 5-1/2" CICR + 61JTS 2-3/8" J-55 TBNG. SET CICR @ 1900'. STING OUT OF CICR. PRESSURE TEST CSNG & CICR GOOD @ 500#. BLEED OFF PRESSURE. STING BACK INTO CICR. SWIFN. DRAIN EQUIP. SDFN.
12/3/2014	7:00 - 7:15	0.25	ABANDP	48		P		SAFETY = JSA.
	7:15 - 8:00	0.75	ABANDP	51	D	P		0# ON WELL. CICR @ 1900'. MIRU CMT CREW. PUMP 3BBLs TMAC TO EST INJECTION RATE. 1BPM @ 1000#. PUMP 5BBLs FRESH WATER LEAD. PUMP 70SX 15.8# "G" CMT. DISPLACE W/ 6.3BBLs TMAC. END PUMP PRESSURE 650#. STING OUT OF CICR. SPOT 8SX "G" CMT ON CICR.
	8:00 - 9:00	1.00	ABANDP	31	I	P		L/D 16JTS 2-3/8" TBNG NOT NEEDED FOR NEXT SQUEEZE JOB. POOH W/ REMAINING 45JTS TBNG.
	9:00 - 9:30	0.50	ABANDP	34	H	P		MIRU WIRELINE. P/U & RIH W/ 1' 4HOLE SQUEEZE GUN. PERF 5-1/2" CSNG @ 1450'. POOH W/ WIRELINE. R/U PUMP. TRY TO ESTABLISH INJECTION RATE W/ RIG PUMP. COULD NOT BREAK DOWN PERFS @ 3400#. BLEED OFF WELL. P/U & RIH W/ ANOTHER 1' 4HOLE SQUEEZE GUN. PERF 5-1/2" CSNG @ 1420'. POOH W/ WIRELINE. RDMO WIRELINE. R/U PUMP & EST INJECTION RATE OF 1BPM @ 1300#.
	9:30 - 10:30	1.00	ABANDP	31	I	P		P/U & RIH W/ 5-1/2" CICR + 44JTS 2-3/8" J-55 TBNG. SET CICR @ 1383'. STING OUT OF CICR. PRESSURE TEST CSNG GOOD @ 500#. STING BACK INTO CICR.

US ROCKIES REGION
Operation Summary Report

Well: NBU 170

Spud date: 3/25/1992

Project: UTAH-UINTAH

Site: NBU 170

Rig name no.: GWS 1/1

Event: ABANDONMENT

Start date: 12/1/2014

End date: 12/3/2014

Active datum: GL @5,006.99usft (above Mean Sea Level)

UWI: NBU 170

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	10:30 - 11:00	0.50	ABANDP	51	D	P		R/U CMT CREW. EST INJ RATE OF 1BPM @ 1270#. PUMP 5BBLs FRESH WATER LEAD. PUMP 130SX 15.8# "G" CMT. END PUMP PRESSURE 950#. STING OUT OF CICR. SPOT 36SX CMT ON TOP OF CICR & DISPLACE W/ 4BBLs TMAC. R/D CMT.
	11:00 - 12:00	1.00	ABANDP	31	I	P		POOH WHILE L/D REMAINING 44JTS 2-3/8" J-55 TBNG.
	12:00 - 13:00	1.00	ABANDP	34	H	P		R/U WIRELINE. RIH W/ 1' 4 HOLE SQUEEZE GUN. PERF 5-1/2" CSNG @ 340'. POOH W/ E-LINE. RDMO E-LINE. R/D FLOOR & TBG EQUIP. NDBOP. NUWH.
	13:00 - 13:30	0.50	ABANDP	51	D	P		R/U CMT CREW. PUMP 4BBLs FRESH WATER LEAD. EST INJ RATE OF 2BPM @1700#. NO CIRCULATION. PUMP 100SX 15.8# "G" CMT. END PUMP PRESSURE = 330#. SHUT IN WELL. HOLDING PRESSURE @ SURFACE. R/D CMT CREW.
	13:30 - 15:00	1.50	ABANDP	30		P		RDMO WORKOVER RIG. DIG OUT SURFACE AROUND WELLHEAD. R/U WELDER & CUT OFF WELLHEAD.
	15:00 - 14:00		ABANDP	51	D	P		CMT STANDING FULL IN 5-1/2" CSNG. RIH W/ 75' 1" PIPE DOWN 8-5/8" ANNULUS. PUMP 20SX 15.8# "G" CMT. TOP OUT WELL. RDMO CMT CREW. CUT & LOWER 1" CSNG. WELD ON MARKER PLATE. P&A COMPLETE.
								P&A WITNESSED BY JAKE RIER W/ BLM.
								WELLHEAD COORDINATES: LAT: 39.98386 LONG: -109.44945
12/4/2014	-							
12/5/2014	-							