

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

(Other instructions on reverse side)

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 (303) 573-4458

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: 1600' FSL, 661' FWL (NW $\frac{1}{4}$ SW $\frac{1}{4}$ )  
 At proposed prod. zone: Same

5. Lease Designation and Serial No.  
 U-01194-St.

6. If Indian, Allottee or Tribe Name  
 Not Applicable

7. Unit Agreement Name  
 Natural Buttes

8. Farm or Lease Name  
 COG NBU

9. Well No.  
 60

10. Field and Pool, or Wildcat  
 Natural Buttes

11. Sec., T., R., M., or Blk. and Survey or Area  
 Sec. 26, T9S, R21E

12. County or Parrish  
 Uintah

13. State  
 Utah

14. Distance in miles and direction from nearest town or post office\*  
 10 Miles Southeast of Ouray, Utah

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)  
 661'

16. No. of acres in lease  
 1082.97

17. No. of acres assigned to this well  
 80 (W $\frac{1}{2}$ SW $\frac{1}{4}$ )

18. Distance from proposed location\* to nearest well, drilling, completed, or applied for, on this lease, ft.  
 1600' SE.

19. Proposed depth  
 6500' *Wanted*

20. Rotary or cable tools  
 Rotary

21. Elevations (Show whether DF, RT, GR, etc.)  
 4940' GR

22. Approx. date work will start\*  
 August 1, 1986

23. 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"	20#	250'	125 sx Circ. to Surface
7-7/8"	5-1/2"	17#	6500'	1800 sx

REFER TO ATTACHED DRILLING PROGNOSIS.

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING

DATE: 7-22-86  
 BY: [Signature]  
 WELL SPACING: 203

RECEIVED  
 JUL 22 1986

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: [Signature] Title: District Drilling Manager Date: 7/15/86  
 H. E. Aab

(This space for Federal or State office use)

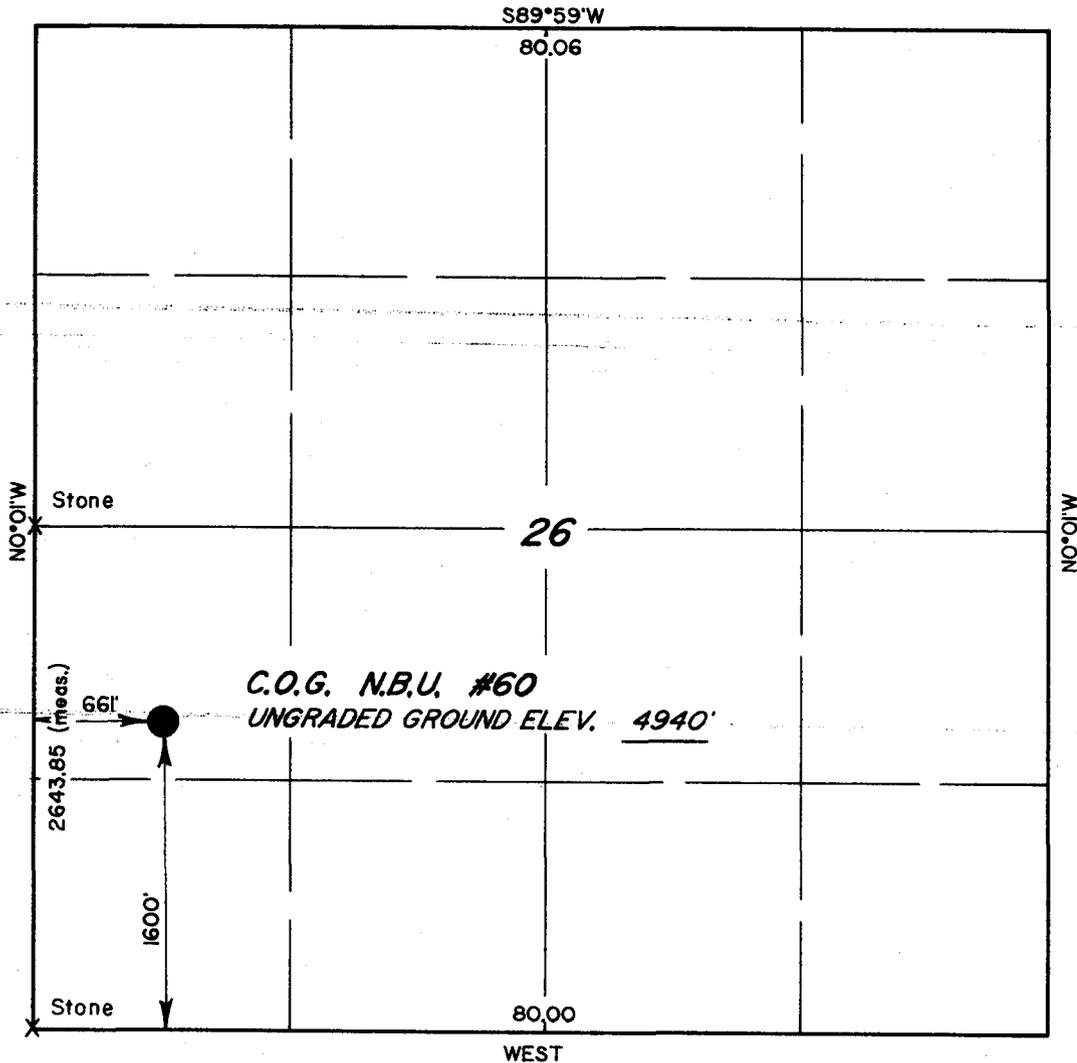
Permit No. 43-047-31728 Approval Date

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

T 9 S, R 21 E, S.L.B. & M.

PROJECT  
COASTAL OIL & GAS CORP.

WELL LOCATION, C.O.G. N.B.U. #60, LOCATED  
AS SHOWN IN THE NW 1/4 SW 1/4, SECTION 26, T9S,  
R 21 E, S.L.B. & M., UINTAH COUNTY, UTAH.



X = LOCATED SECTION CORNERS



CERTIFICATE

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

REGISTERED LAND SURVEYOR  
REGISTRATION NO. 5709  
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING  
P. O. BOX Q - 85 SOUTH - 200 EAST  
VERNAL, UTAH - 84078

SCALE	1" = 1000'	DATE	7/14/86
PARTY	RK TF DLS	REFERENCES	GLO
WEATHER	HOT	FILE	COASTAL

Drilling Prognosis1. Estimated Formation Tops:

Surface	Uinta	
Green River	1450'	1460
Wasatch	4750'	4740
Total Depth	6500'	

2. Estimated Depths of Oil, Gas or Water:

Oil : None  
 Gas : Wasatch - 4750'  
 Water: None

All fresh water and prospectively valuable minerals encountered during drilling will be recorded by depth, and cased and cemented.

3. Pressure Control Equipment:

Type : One 10" X 3000 psi annular preventer.  
 One 10" X 3000 psi double ram preventer (blind ram above, pipe ram below). One wing with two manual valves and one choke. One positive choke and one adjustable.

Choke Manifold : 2 1/16" X 3000 psi dual wing manifold. Each wing with two manual valves and one choke. One positive choke and one adjustable.

Auxiliary Equipment: Upper and lower kelly cock valves. Back pressure and full opening drill string safety valves. Gas detector.

Testing Procedure : BOP and choke manifold will be installed and pressure tested before drilling out under surface casing and then checked daily for mechanical operating condition. Ram-type preventers and related pressure control equipment will be pressure tested to the rated working pressure of the stack assembly, or 70% of the internal yield of the casing, whichever is less. Annular preventer will be pressure tested to 50% of rated working pressure upon installation. BOP and choke manifold pressure rating will exceed the maximum anticipated surface pressure.

4. The Proposed Casing and Cementing Program: (All New)

<u>Hole Size</u>	<u>Casing Size</u>	<u>Wt./Ft.</u>	<u>Grade</u>	<u>Thread</u>	<u>Depth Set</u>
12-1/4"	8-5/8"	20#	J-55	ST&C	250'
7-7/8"	5-1/2"	17#	K-55	ST&C	T.D.

4. The Proposed Casing and Cementing Program: Continued

All casing strings will be pressure tested to 0.2 psi/ft., or 1000 psi, whichever is greater, after cementing and prior to drilling out.

Surface Casing : 125 sacks Class "H", 2% CaCl<sub>2</sub>, 1/4#/sx Celloflake

Production Casing : 800 sx Lite  
1000 sx Class "G", 2% Gel, 10% Salt

A greater amount of cement will be used if necessary to ensure that all potentially productive hydrocarbon zones are cemented off. Fill-up to be determined from logs.

5. Drilling Fluids Program: (Monitor with PVI and Flow Sensor Devices)

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>
0-250'	Air	--	--	--
250-T.D.	Fresh Water	8.7 ppg	45 sec.	12 cc

Drilling mud inventory will be stockpiled on the location and will not be less than the total amount needed for the mud system as required to drill this well.

6. Evaluation Program:

Logs : DIL with Caliper - Surface to Total Depth  
FDC-CNL - Approximately 1500' to Total Depth

DST's : None Anticipated

Cores : None Anticipated

7. Abnormal Conditions:

No abnormal temperatures or pressures are anticipated. No H<sub>2</sub>S gas has been reported or known to exist from previous drilling in the area at this depth. Maximum anticipated bottom hole pressure equals 2000 lbs.

8. Drilling Activity and Auxiliary Equipment:

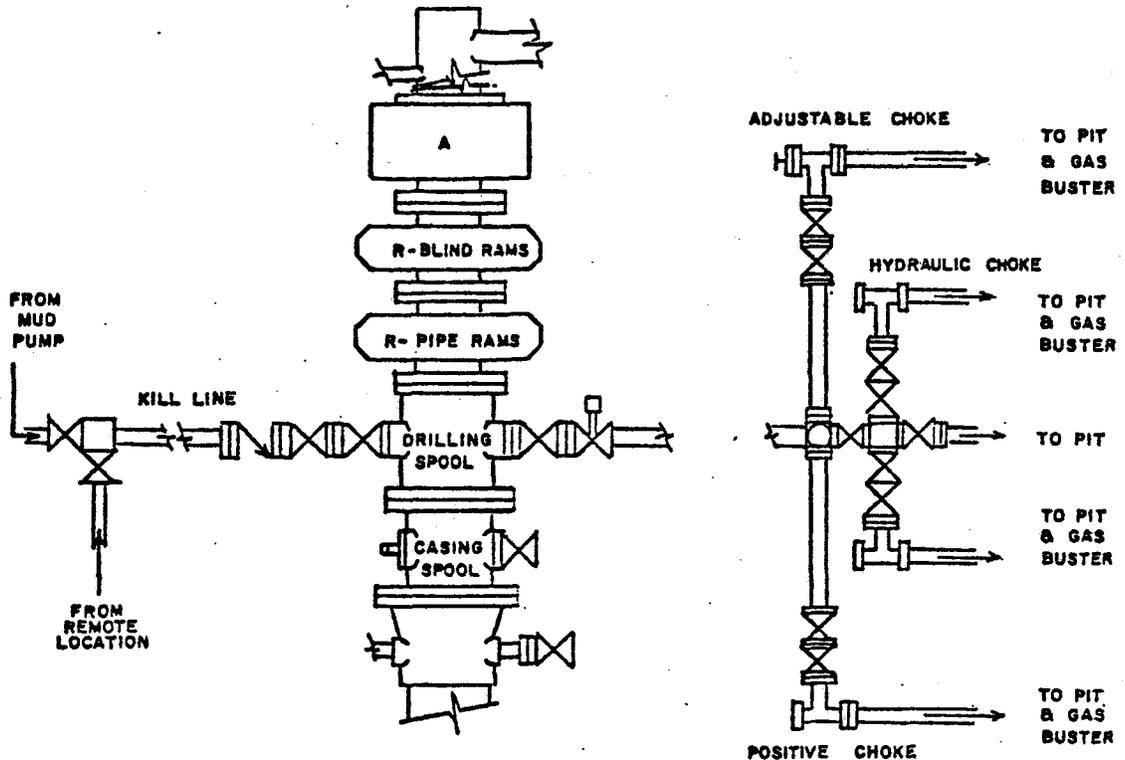
Anticipated Commencement Date: August 1, 1986  
Drilling Days : Fifteen (15)  
Completion Days : Three (3)

Auxiliary Equipment:

1. A kelly cock will be kept in the string at all times.
2. Periodic checks will be made each tour of the mud system (refer to Item #5).
3. A stabbing valve will be kept on the derrick floor to be stabbed into the drill pipe whenever the kelly is not in the string.
4. No bit float will be used.

3000 psi

psi Working Pressure BOP's



### Test Procedure

- 1) Flush BOP's and all lines to be tested with water.
- 2) Run test plug on test joint and seat in casing head (leave valve below test plug open to check for leak).
- 3) Test the following to rated pressure:
  - a) inside blowout preventer
  - b) lower kelly cock
  - c) upper kelly cock
  - d) stand pipe valve
  - e) lines to mud pump
  - f) kill line to BOP's
- 4) Close and test pipe rams to rated pressure.
- 5) Close and test Hydril to rated pressure.
- 6) Back off and leave test plug in place. Close and test blind rams to rated pressure.
- 7) Test all choke manifold valves to rated pressure.
- 8) Test kill line valves to rated pressure.

COASTAL OIL & GAS CORPORATION

COG NBU #60  
NW $\frac{1}{4}$ SW $\frac{1}{4}$  Section 26, T9S, R21E  
Uintah County, Utah

Supplement to Application for Permit to Drill

1. Location and Type of Water Supply:

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

2. Methods of Handling Waste Disposal:

- A. Sewage - self-contained, chemical toilets will be provided for human waste disposal. Upon completion of operations, the holding tanks will be pumped and the contents disposed of in a municipal sewage treatment facility or other authorized disposal facility.
- B. Garbage and other waste materials - all trash will be contained in a portable trash cage. Upon completion of operations, all trash will be hauled to an approved sanitary landfill.
- C. Cuttings and drilling fluids - the cuttings will be deposited in the reserve pit. Drilling fluids will be contained in reserve pit and allowed to evaporate. The reserve pit will be designed to prevent the collection of surface runoff and will be constructed with a minimum of one-half (1/2) the total depth below the original ground surface on the lowest point within the pit. The reserve pit will not be lined unless fractured rock or extremely porous soil/rock formations are encountered.

3. Plans for Reclamation of the Surface:

- A. Backfilling, leveling and re-contouring are planned as soon as the reserve pit dries. Waste and spoil materials will be disposed of immediately upon completion of drilling and workover activities. If production is established, the unneeded areas of the location will be reclaimed as soon as the reserve pit dries.
- B. Upon completion of backfilling, leveling and re-contouring, the stockpiled topsoil will be evenly spread over the reclaimed area(s). All disturbed surfaces (including access road and well pad areas) will be reseeded using the seed mixture recommended by the State of Utah. Seed will be drilled on the contour to an approximate depth of 1/2 inch.
- C. Three sides of the reserve pit will be fenced during drilling operations. Prior to rig release, the reserve pit will be fenced on the fourth side to prevent livestock and wildlife from becoming entrapped, and the fencing will be maintained until leveling and cleanup are accomplished.

3. Plans for Reclamation of the Surface: Continued

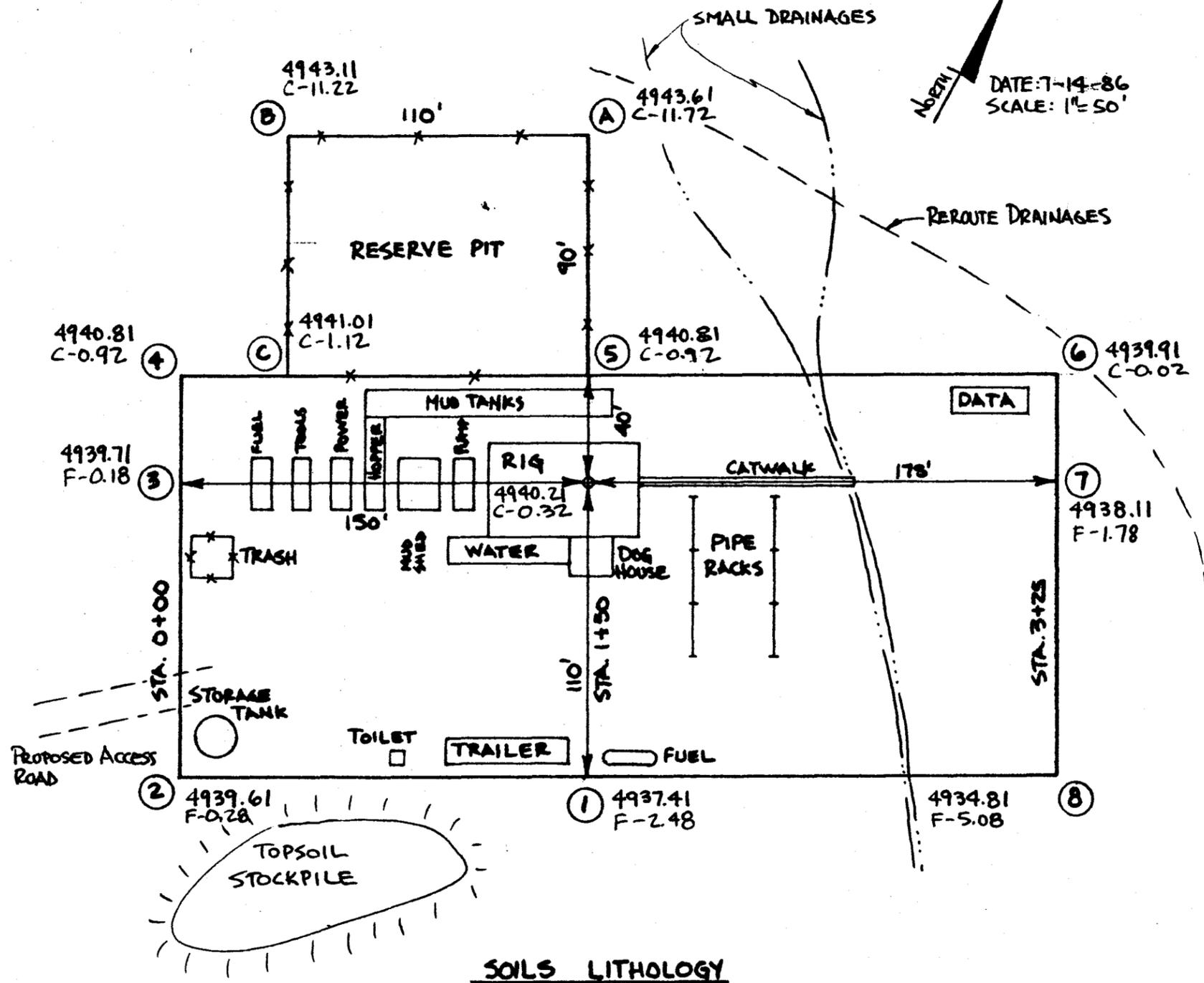
- D. If any oil is on the pits and is not immediately removed after operations cease, the pit containing the oil or other adverse substances will be flagged overhead or covered with wire mesh.
- E. The reclamation operations will begin after the drilling rig is removed. Removal of oil or other adverse substances will begin immediately or area will be flagged and fenced. Other cleanup will be done as needed. Rehabilitation operations should be completed by the Fall of 1987.

4. Other Information:

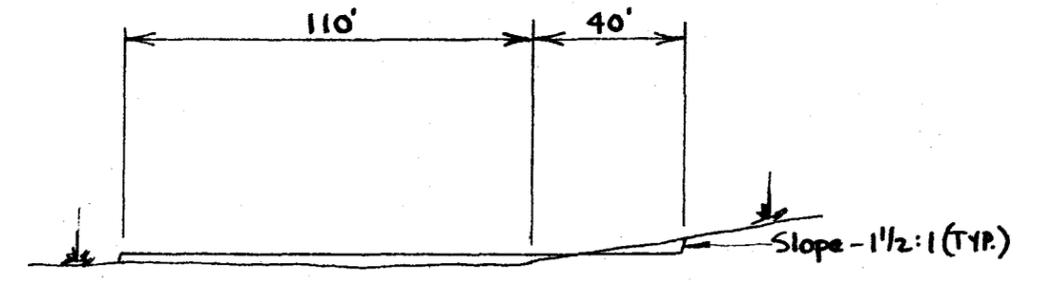
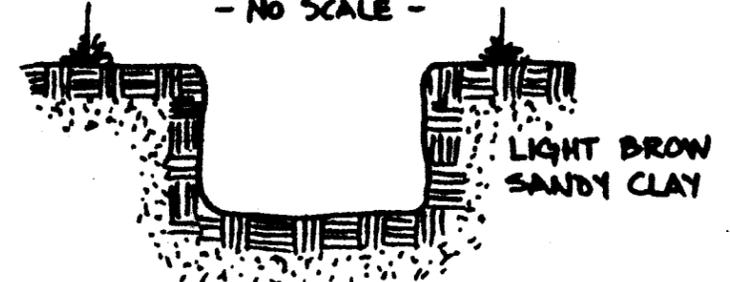
- A. A cultural resource inventory of the proposed well site and access road has been conducted by Mike Metcalf/Metcalf Archaeology, P. O. Box 899, Eagle, Colorado 81631; phone (303) 328-6244. There are no known archeological, historical or cultural sites that will be disturbed by this drilling operation, as a result of this inventory.

**COASTAL OIL & GAS CORP.**  
**C.O.G. - N.B.U. # 60**

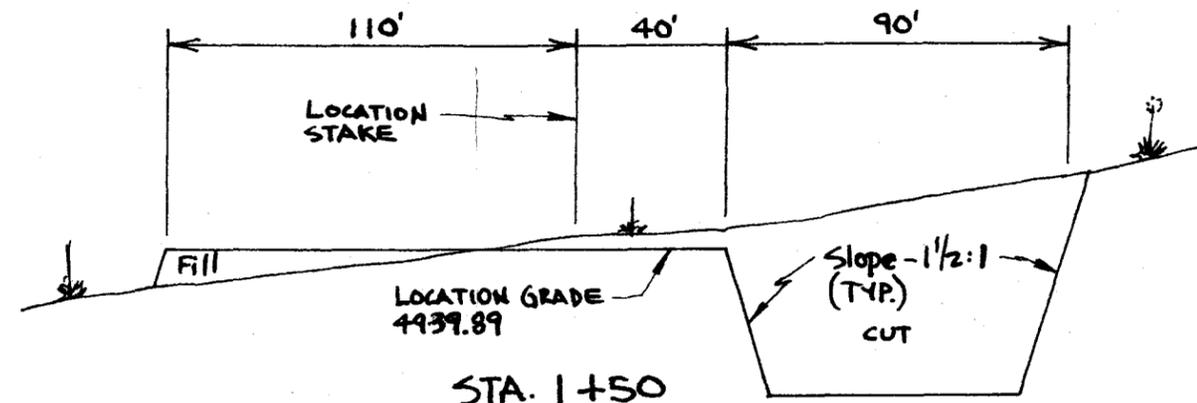
DATE: 7-14-86  
 SCALE: 1" = 50'



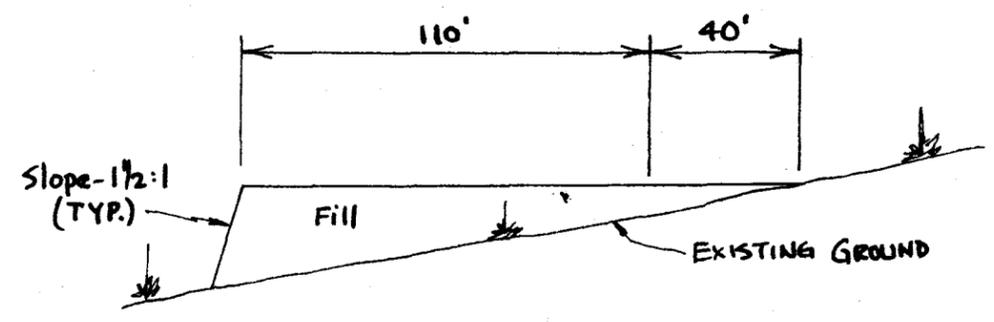
**SOILS LITHOLOGY**  
 - NO SCALE -



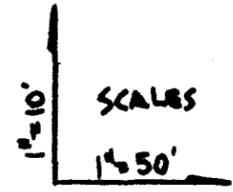
STA. 0+00



STA. 1+50



STA. 3+25



**APPROXIMATE YARDAGES**

CU. YDS. CUT = 3694.98  
 CU. YDS. FILL = 2650.44  
 UNBALANCE AFTER 20%  
 COMPACTION = 514.15 CU. YDS. CUT

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING  
DRILLING LOCATION ASSESSMENT

OPERATOR Coastal Oil & Gas Corporation WELL NAME C.O.G. N.B.U. #60  
LOCATION: COUNTY Uintah SECTION 26 T 9S R 21E  
QTR/QTR NW SW 661 F W L & 1600 F S L  
SURFACE OWNERSHIP State MINERAL LEASE # \_\_\_\_\_

ASSESSMENT PARTICIPANTS: DATE 16 / July / 86  
Chuck Mowry/Coastal Rick Robbins/Robbins Const.  
Robert Anderson/Heitzman Drl-Site Svc Glenn Karen/Air Drlg Specialist  
Robert Kay/Uintah Engr. Harley Jackson/Skewes & Hamilton Const.  
Robert Cook/D.E.Casada Const.  
Floyd Murray/D.E.Casada Const.

I. REGIONAL SETTING/TOPOGRAPHY  
Colorado Plateau, Uintah Basin, Natural Buttes Unit

II. LAND USE

A. Current Surface Use:

Open range

B. Proposed Surface Disturbance:

240' x 325' - location, about 1/2 mile - access road

C. Affected Floodplains and/or Wetlands:

Not applicable

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III. ENVIRONMENTAL PARAMETERS

A. Geology:

1. Surface Formation -

Uintah formation

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2. Stability -

Very stable

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B. Soils:

1. Soil Characteristics -

light to medium brown clayey sand

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2. Erosion/Sedimentation -

minimal

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C. Water Resources:

4.36 miles northeast to White River

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**D. Flora/Fauna:**

Sagebrush, salt brush, Cheat grass, Winterfat, Indian rice grass

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**E. Cultural Resources/Archeology:**

Cleared - Michael Metcalf

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**F. Adequacy of Restoration Plans:**

Adequate

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**IV. RESERVE PIT**

**A. Characteristics:**

90' X 110' X 8'

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**B. Lining:**

None needed - freshwater/gell drlg mud

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**V. OTHER OBSERVATIONS**

location is well designed to fit the environment

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Coastal Oil & Gas NBU #60  
NW 3/4 T9S R31E  
view to SE Uintah Co.



Coastal Oil & Gas NBU #60  
NW 3/4 T9S R31E  
view to SE Uintah Co.



073001

OPERATOR Coastal Oil & Gas Corp. DATE 7-23-86

WELL NAME COG NBU 60

SEC NWsw 26 T 9S R 21E COUNTY Wintch

43 047-31728  
API NUMBER

State  
TYPE OF LEASE

CHECK OFF:

PLAT

<sup>R-Well Service</sup>  
 BOND

NEAREST WELL

LEASE

FIELD

POTASH OR OIL SHALE

PROCESSING COMMENTS:

Wintch Well  
Water & - #49-991 (A57530)  
State History &

APPROVAL LETTER:

SPACING:  203 Natural Buttes  302  
UNIT

CAUSE NO. & DATE  302.1

STIPULATIONS:

1- Oil shale



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

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

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

July 28, 1986

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

Gentlemen:

Re: Well Name: COG NBU 60 - NW SW Sec. 26, T. 9S, R. 21E  
1600' FSL, 661' FWL - Uintah County, Utah

Approval to drill the referenced well is hereby granted in accordance with Section 40-6-18, Utah Code Annotated, as amended 1983; and predicated on Rule 203, Oil and Gas Conservation General Rules, subject to the following stipulations:

1. Special attention is directed to compliance with Rule 318.4, which prescribes drilling procedures for designated oil shale areas.

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

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule 311.3, Associated Gas Flaring, Oil and Gas Conservation General Rules.

Page 2

Coastal Oil & Gas Corporation

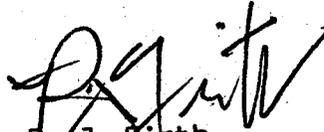
Well Name: COG NBU 60

July 28, 1986

5. Prior to commencement of the proposed drilling operations, plans for toilet facilities and the disposal of sanitary waste at the drill site shall be submitted to the local health department having jurisdiction. Any such drilling operations and any subsequent well operations must be conducted in accordance with applicable State and local health department regulations. A list of all local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 533-6163.
6. 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 43-047-31728.

Sincerely,



R. J. Birth  
Associate Director, Oil & Gas

as

Enclosures

cc: State Lands & Forestry  
Branch of Fluid Minerals  
D. R. Nielson

8159T

RECEIVED

DEL.

AUG 06 1986

DIVISION OF OIL  
GAS & MINING

080711

Cultural Resources Inventory of the  
Coastal Oil and Gas NBU 60  
Well Pad and Access  
Uintah County, Utah

43.047.31728

by  
Michael D. Metcalf  
Field Archaeologist and Principal Investigator

for  
Coastal Oil and Gas Company  
Denver, Colorado

and  
Heitzman Well Site Services

M A C  
Metcalf Archaeological Consultants, Inc.  
Eagle, Colorado

Project No. MA-432S

July 1986

### Introduction

The Coastal Oil and Gas NBU 60 survey area is on State lands and consists of a ten acre block centered on a staked well pad in the NW/SE of Section 26, T9S, R21E, Uintah County, Utah (Figure 1). The access comes from an existing oil field road about 1,000 ft to the southeast of the location. A field inspection was performed on July 12, 1986 by the author under cultural resource permit U-86-MA-432S. This field check was precautionary since files search information shows that the location is in a previously surveyed area where a number of prehistoric sites have been recorded. However, no cultural resources were found in the survey area or along the access, therefore, cultural resource clearance is recommended.

### Project Setting

The project area is a dissected plateau south of the White River in the Uinta Basin of eastern Utah. The area is characterized generally by eroded sandstone formations, sagebrush-shadscale vegetation patterns and clayey soils with wide areas of desert pavement and restricted pockets of Holocene age sand deposits.

The NBU 60 location is staked in a barren area to the southeast of an eroded sandstone ridge. The access skirts a toe of the ridge and crosses essentially flat terrain. Local soils are clayey with a scattered mantle of desert pavement. Vegetation is sparse, especially in the pad area consisting of shadscale community species. Drainage is to the north via unnamed ephemeral tributaries of the White River.

### Files Search

A files search was done by Liz Manion of the Division of State History on July 9, 1986 and Bureau of Land Management cultural resource maps were checked by the author on July 11, 1986. These records show that the area surrounding the location and access were surveyed during the Brigham Young University TOSCO Sand Wash Project in October 1981. This survey recorded seven sites within Section 26, mainly small, low density lithic scatters associated with sand dunes (Thompson 1981). No sites are shown on BYU project maps on the vicinity of the COG-NBU 60 well pad or access, but three sites 42UN1047, 42UN1057 and 42UN1058 are located just to the east.

### Field Methods

Standard methodology for ten acre blocks consists of the use of a series of roughly parallel pedestrian transects (12) spaced at approximate 15 m intervals. Access is covered by two pedestrian transects, one on either side of the staked centerline, to cover a 100 ft wide corridor. Special attention is given to fresh erosional cuts. Surface visibility can be characterized as excellent.

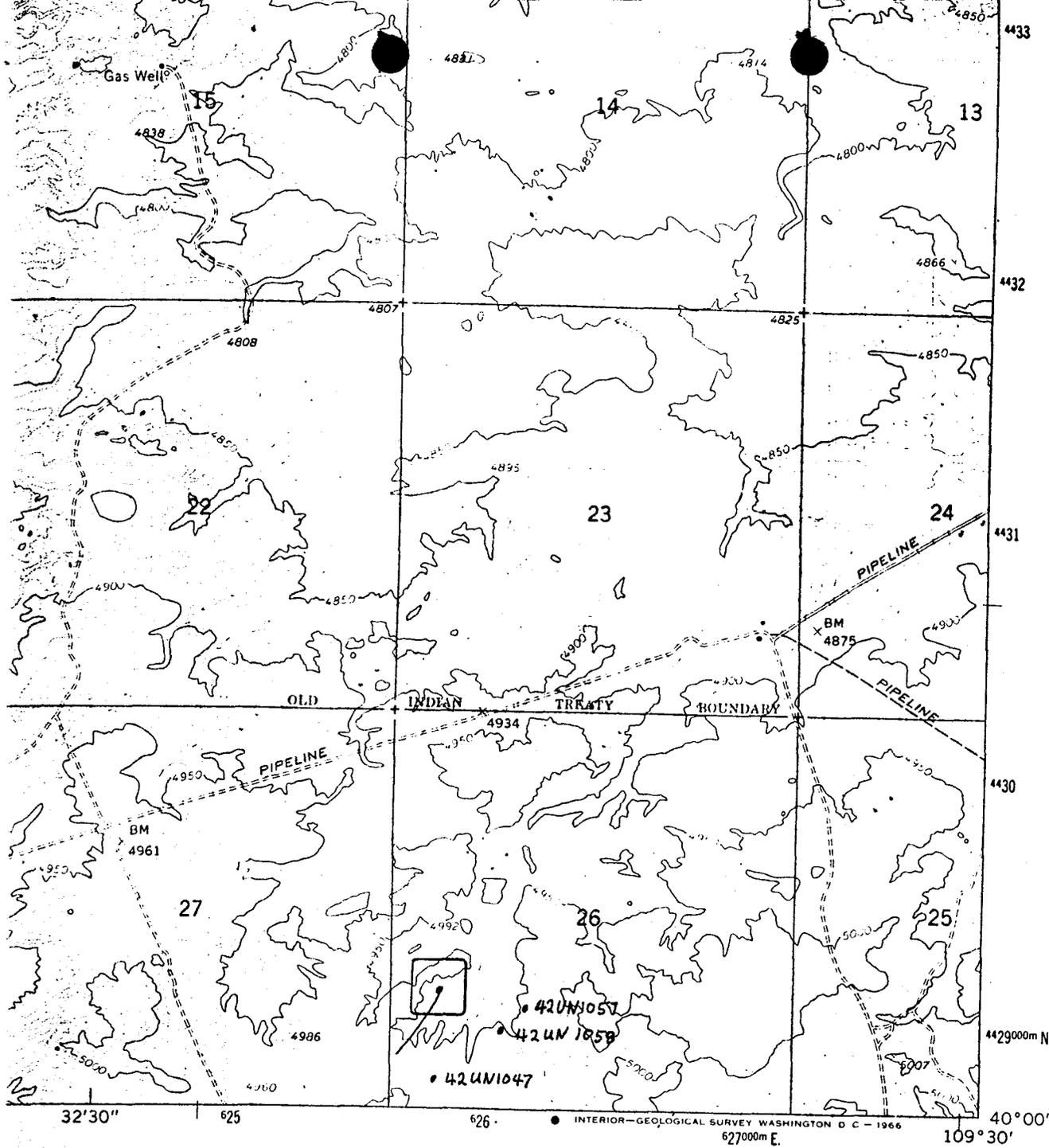
On this project the purpose of survey was to confirm that no sites were in the flagged project area. Were the investigator not already in the field in the immediate project area, field inspection would probably not have been done in view of the file search results. The relatively high site densities encountered by BYU in the immediate area does, however, justify a field check of a specific impact area.

### Results/Recommendations

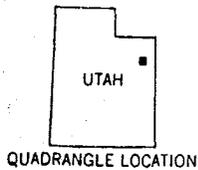
No cultural resources were located during this survey, therefore, cultural resource clearance is recommended for this location as staked.

### References Cites

Thompson, Charmaine  
1981 Site Form for 42UN1057. On file, Utah Division of State History,  
Salt Lake City.



1 MILE



ROAD CLASSIFICATION

Light-duty      Unimproved dirt

D. C. 20242

COASTAL OIL AND GAS  
 NBU 60      NW/SW      Sec. 26  
 T9S R21E      Uintah County, UT  
 Ouray SE USGS 7.5' Quad

081101

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

API ##43-047-31728

NAME OF COMPANY: COASTAL OIL & GAS

WELL NAME: COG NBU #60

SECTION NW SW 26 TOWNSHIP 9S RANGE 21E COUNTY Uintah

DRILLING CONTRACTOR BOMAC Drilling

RIG # 85

SPUDDED: DATE 8-7-86

TIME \_\_\_\_\_

How Rotary

DRILLING WILL COMMENCE \_\_\_\_\_

REPORTED BY Ann (Dyer) Burtin

TELEPHONE # (303) 573-4475

DATE 8-7-86 SIGNED AS



**Coastal Oil & Gas Corporation**  
a subsidiary of The Coastal Corporation

600 17th Street—Suite 800 S  
P. O. Box 749  
Denver, Colorado 80201-0749

303/572-1121

**RECEIVED**  
AUG 14 1986

August 12, 1986

**DIVISION OF  
OIL, GAS & MINING**

Utah Natural Resources  
Division of Oil, Gas & Mining  
355 West North Temple, Suite 350  
3 Triad Center  
Salt Lake City, Utah 84180

Re: NBU 60  
1600' FSL, 661' FWL  
NW SW Section 26-T9S-R21E  
Uintah County, Utah

Gentlemen:

Enclosed is Sundry Notice of spud and running surface casing  
on the referenced well.

Please send approved copy in the stamped, self-addressed  
envelope enclosed for your convenience. ✓

Yours very truly,

*Anne Burgin*

Anne A. M. Burgin  
Operations Analyst  
Denver District Drilling Department

d

Enclosure

xc: U. S. Department of the Interior  
Bureau of Land Management

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

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

081508

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. U-01194 St.
2. NAME OF OPERATOR Coastal Oil & Gas Corporation (Attn. A. M. Burgin)		6. IF INDIAN, ALLOTTEE OR TRIBE NAME NA*
3. ADDRESS OF OPERATOR P. O. Box 749, Denver, Colorado 80201		7. UNIT AGREEMENT NAME Natural Buttes
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1600' FSL, 661' FWL NW SW		8. FARM OR LEASE NAME NBU
14. PERMIT NO. 43-047-31728	15. ELEVATIONS (Show whether DF, RT, OR, etc.) 4940' GL ungraded	9. WELL NO. 60
		10. FIELD AND POOL, OR WILDCAT Natural Buttes
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Section 26-T9S-R21E
		12. COUNTY OR PARISH Uintah
		13. STATE Utah

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Spud &amp; Surface Casing</u> <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

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

Spud well with air rig August 1, 1986.

Ran 260', 7 joints, 8 5/8", 24#, K-55, LT&C casing set at 260' BGL. Cement with 150 sacks Type II cement with 2% CaCl<sub>2</sub>, 1/4#/sack Flocele, on August 5, 1986. Cement circulated.

Spud with Grace BOMAC Rig #85 at 3 A.M. August 7, 1986.

RECEIVED  
AUG 14 1986

DIVISION OF  
OIL, GAS & MINING

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

SIGNED H. E. Aab TITLE District Drilling Manager DATE August 12, 1986  
Denver District

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY:

DOUBLE "D" ENTERPRISES

B.O.P. Test Report

082015

state

Seq.

RECEIVED  
AUG 19 1986

DIVISION OF  
OIL, GAS & MINING

B.O.P. TEST PERFORMED ON (DATE) 8-6-86

OIL CO.: Coastal

WELL NAME & NUMBER: COG NBH #60

SECTION: 26

TOWNSHIP: 9S

RANGE: 21-E

COUNTY: Uintah, Utah

DRILLING CONTRACTOR: Grace Drilling #85

INVOICES BILLED FROM: DOUBLE "D" ENTERPRISES, INC.  
213 Pine Street - Box 560  
Shoshoni, Wyoming 82649  
Phone: (307) 876-2308 or (307) 876-2234

TESTED BY: DOUBLE "D" ENTERPRISES, INC.  
608 N. Vernal Ave.  
Vernal, UT 84078  
Phone: (801) 781-0448 or (801) 781-0449

OIL CO. SITE REPRESENTATIVE: Chuck Mallory

RIG TOOL PUSHER: Bomac Jack Faran

TESTED OUT OF: Vernal, Utah - 801-781-0448

NOTIFIED PRIOR TO TEST: Utah State

COPIES OF THIS TEST REPORT SENT COPIES TO: Utah State  
Co. man.  
Toolpusher

ORIGINAL CHART & TEST REPORT ON FILE AT: Vernal OFFICE

# DOUBLE "D" ENTERPRISES, INC.

P.O. Box 560  
Shoshone, Wyoming 82649  
307-876-2308

DELIVERY TICKET

No 4471

Date 8-6-86  
 Operator Coastal Contractor Grace Drgl. Rig No. 85  
 Ordered By Jack Faran Lease COG NBU Well No. 60  
 County Uintah Section 26 Township 9-S Range 21-E

**Items Tested:**

	Low Test	Time Held	High Test	Time Held	Comments
Top Pipe Rams	N/A	N/A	3000	5 min	OK
Bottom Pipe Rams	N/A	—	—	—	—
Blind Rams	N/A	N/A	3000	5 min	OK
Annualar B.O.P.	N/A	N/A	1500	5 min	OK - had to work
Choke Manifold	N/A	N/A	3000	5 min	2ND panic valve N/G rest - OK
Choke Line	N/A	N/A	3000	5 min	worked - OK
Kill Line	N/A	N/A	3000	5 min	OK
Super Choke	N/A	—	—	—	—
Upper Kelly	N/A	N/A	3000	5 min	OK
Lower Kelly	N/A	—	—	—	—
Floor Valve	N/A	N/A	3000	5 min	OK
Dart Valve	N/A	N/A	NO TEST - will fix		

Closing Unit Psi 3000 Closing Time of Rams 8 sec Closing Time of Hydril 12 sec  
 Closed Casing Head Valve yes Set Wear Sleeve NO - will not  
 Comments Rig will grease valves & will repair  
Dart - we will test at our shop

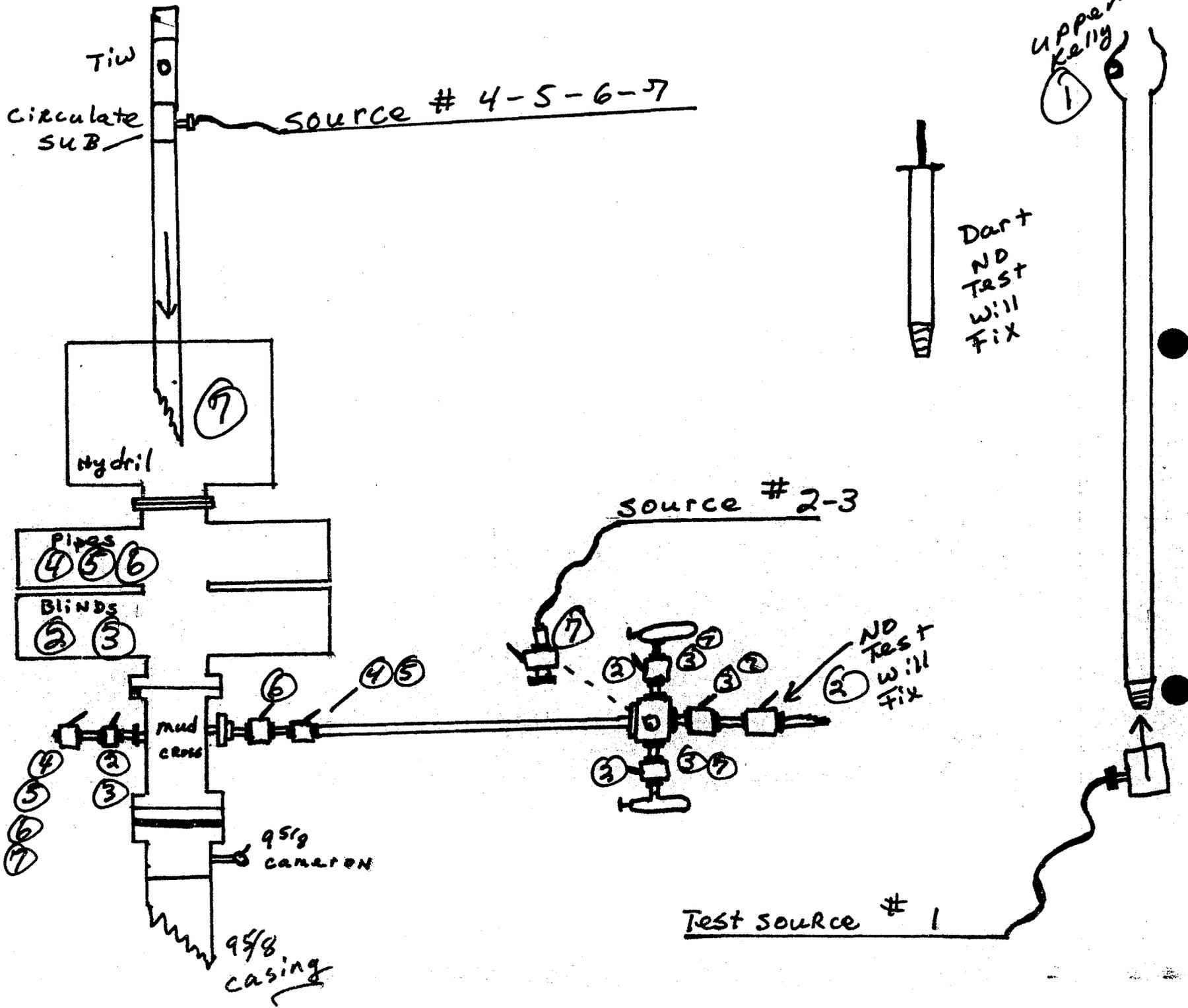
**Rates:**

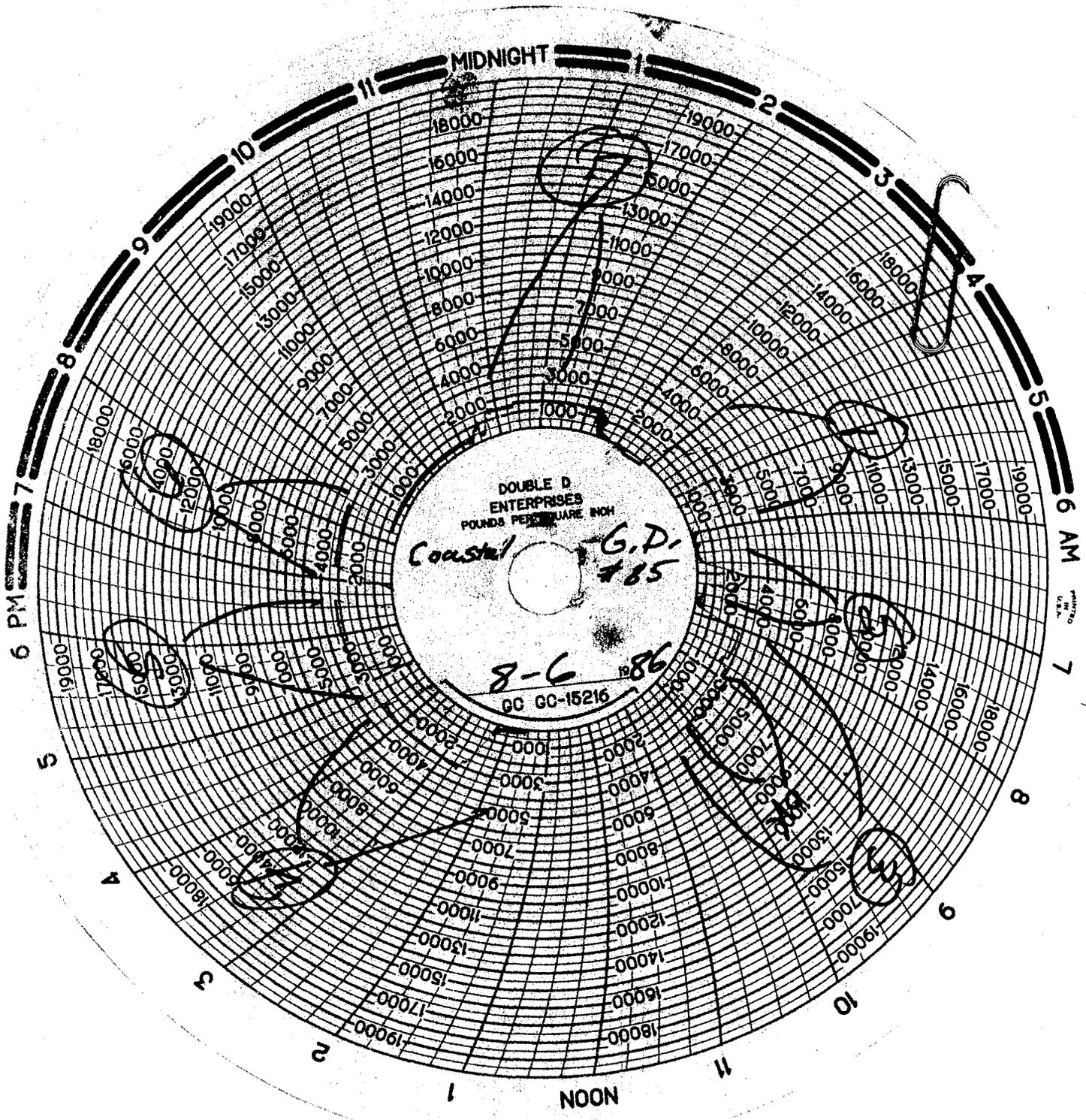
Minimum Charge 6 HR @ 600<sup>00</sup>  
 Additional Charge NO charge  
 Mileage 50 miles one way @ 1<sup>00</sup>  
 Test Plug 10" Cameron @ 150<sup>00</sup>  
 Top Sub 4 1/2 x H @ 50<sup>00</sup>  
 Kelly Sub 4 1/2 x H @ 50<sup>00</sup>  
 Crossover Subs \_\_\_\_\_  
 Methanol Charge none  
 Other \_\_\_\_\_

Tested By Shane McKernan Sub Total \_\_\_\_\_  
 Tax \_\_\_\_\_  
 Signature of Company Rep. \_\_\_\_\_ Total \_\_\_\_\_

TEST #	TIME	
	6 <sup>30</sup> pm	arrive on location
	6 <sup>30</sup> -7 <sup>30</sup>	Finish Nipple up UNLOAD TRUCK
	7 <sup>30</sup> -8 <sup>00</sup>	MIU Tools Kelly up Rig up to test Kelly
#1	8-8 <sup>10</sup>	Pump up & Test upper Kelly 3000 5 min OK
#2	8 <sup>10</sup> -8 <sup>30</sup>	MIU Tools run & set plug Test attempt on BLINDS 1st 3 manifold valves 1st value on kill line - leaking by panic line value on manifold 3rd value - NO TEST
#3	8 <sup>30</sup> -8 <sup>40</sup>	Test BLINDS 1st Kill value 1st 3 manifold valves 3000 5 min OK value on panic line leaked then quit - OK
	8 <sup>40</sup> -9 <sup>00</sup>	Run joint Rig up to test pipes - Blew hose on Kookey line
	9 <sup>00</sup> -9 <sup>30</sup>	Fix hose - Rig down Kelly sub while fixing hose
#4	9 <sup>30</sup> -9 <sup>40</sup>	Test attempt against pipes 2nd Kill, 2nd choke leaking by 2nd choke line value work
#5	9 <sup>40</sup> -9 <sup>50</sup>	Test pipes 2nd Kill 2nd choke line valves Tiw value 3000 5 min OK
	9 <sup>50</sup> -10 <sup>30</sup>	work Hydril fix Kookey leak
#6	10 <sup>30</sup> -10 <sup>40</sup>	Test pipes Tiw 2nd Kill 1st choke line value 3000 5 min OK
#7	10 <sup>40</sup> -11 <sup>00</sup>	Work Hydril Test Hydril Tiw 2nd Kill riser on manifold Blew 100 PSI ran back to 1500 5 min OK

→ Dart Valve NO TEST  
2nd panic valve NO TEST  
Will Fix





MIDNIGHT

NOON

DOUBLE D  
ENTERPRISES  
POUNDS PER SQUARE INCH

Coastal

G.D.  
#85

8-6 1986

GC GC-15216

6 PM

6 AM

U.S. PATENT OFFICE

7



**Coastal Oil & Gas Corporation**  
a subsidiary of The Coastal Corporation

600 17th Street—Suite 800 S  
P. O. Box 749  
Denver, Colorado 80201-0749

303/572-1121

September 4, 1986

**RECEIVED**  
SEP 08 1986

**DIVISION OF  
OIL, GAS & MINING**

State of Utah  
Department of Natural Resources  
Division of Oil, Gas and Mining  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

Re: Well #60  
Natural Buttes  
Sec. 26, T9S, R21E  
Uintah County, Utah

Gentlemen:

Enclosed is Sundry Notice indicating change of plans in drilling procedure on the referenced well.

Please send approved copy in the stamped self-addressed envelope enclosed for your convenience.

Yours very truly,

*Anne Burgin*

Anne A. M. Burgin  
Operations Analyst  
Denver District Drilling Department

d

Enclosure

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

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> <small>(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)</small>		5. LEASE DESIGNATION AND SERIAL NO. U-01194-St.
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME NA
1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		7. UNIT AGREEMENT NAME Natural Buttes
2. NAME OF OPERATOR Coastal Oil & Gas Corporation (303) 573-4458		8. FARM OR LEASE NAME COG NBU
3. ADDRESS OF OPERATOR P. O. Box 749, Denver, Colorado 80201		9. WELL NO. 60
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1600' FSL, 661' FWL (NW $\frac{1}{4}$ SW $\frac{1}{4}$ )		10. FIELD AND POOL, OR WILDCAT Natural Buttes
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 26, T9S, R21E
14. PERMIT NO. 43-047-31728	15. ELEVATIONS (Show whether OF, RT, OR, etc.) 4940' GR	12. COUNTY OR PARISH Uintah
		13. STATE Utah

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input checked="" type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

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

This is to advise that surface and production casings run will be used rather than new.

**RECEIVED**  
SEP 08 1986  
DIVISION OF  
OIL, GAS & MINING

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

SIGNED H. E. Aab TITLE District Drilling Manager DATE September 3, 1986  
H. E. Aab TITLE Denver District

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING **092503**

5. LEASE DESIGNATION AND SERIAL NO. U-01194- St.	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME NA	
7. UNIT AGREEMENT NAME Natural Buttes Unit	
8. FARM OR LEASE NAME COG NBU	
9. WELL NO. 60	
10. FIELD AND POOL, OR WILDCAT Natural Buttes	
11. SEC., T., R., M., OR BLK. AND SURVEY OR ABBA Section 26-T9S-R21E	
12. COUNTY OR PARISH Uintah	13. STATE Utah

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1.  OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
*Coastal Oil & Gas Corp.*

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)  
At surface 1600' FSL, 661' FWL  
NW SW

14. PERMIT NO.  
43-047-31728

15. ELEVATIONS (Show whether DF, RT, CR, etc.)  
4940' GR ungrd.

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Production Casing</u> <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

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

Ran 163 joints 5½", 17#, J-55, K-55 and N-80, 6519.05' LT&C used casing set at 6500' on August 20, 1986.

Cement with HOWCO, mix and pump: 1500 gallons mud flush, 50 barrels CS-2 spacer, 450 sacks HALCO "HiFill", 1020 sacks 50-50 poz with 2% gel, 10% salt, .6% HALAD 24, ¼#/sack Flocele. Displace with 153½ barrels 3% KCl water, did not bump plug, floats held. Good cement returns at 180 barrels displacement, then stop circulating, but hold stood full for remainder of displacement. Set casing slips.

**RECEIVED**  
SEP 22 1986

DIVISION OF  
OIL, GAS & MINING

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

SIGNED *H. E. Aab* TITLE District Drilling Manager DATE September 17, 1986  
H. E. Aab  
TITLE Denver District

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. U-01194-St.																				
2. NAME OF OPERATOR Coastal Oil & Gas Corporation Attn: A.M.Burgin		6. IF INDIAN, ALLOTTEE OR TRIBE NAME NA																				
3. ADDRESS OF OPERATOR P. O. Box 749, Denver, Colorado 80201		7. UNIT AGREEMENT NAME Natural Buttes Unit																				
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1600' FSL, 661' FWL NW SW		8. FARM OR LEASE NAME COG NBU																				
14. PERMIT NO. 43-047-31728	15. ELEVATIONS (Show whether DF, RT, OR, etc.) 4940' GR ungrd.	9. WELL NO. 60																				
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		10. FIELD AND POOL, OR WILDCAT Natural Buttes Field																				
<table border="0"> <tr> <th colspan="2">NOTICE OF INTENTION TO:</th> <th colspan="2">SUBSEQUENT REPORT OF:</th> </tr> <tr> <td>TEST WATER SHUT-OFF <input type="checkbox"/></td> <td>PULL OR ALTER CASING <input type="checkbox"/></td> <td>WATER SHUT-OFF <input type="checkbox"/></td> <td>REPAIRING WELL <input type="checkbox"/></td> </tr> <tr> <td>FRACTURE TREAT <input type="checkbox"/></td> <td>MULTIPLE COMPLETE <input type="checkbox"/></td> <td>FRACTURE TREATMENT <input type="checkbox"/></td> <td>ALTERING CASING <input type="checkbox"/></td> </tr> <tr> <td>SHOOT OR ACIDIZE <input type="checkbox"/></td> <td>ABANDON* <input type="checkbox"/></td> <td>SHOOTING OR ACIDIZING <input type="checkbox"/></td> <td>ABANDONMENT* <input type="checkbox"/></td> </tr> <tr> <td>REPAIR WELL <input type="checkbox"/></td> <td>CHANGE PLANS <input type="checkbox"/></td> <td>(Other) Monthly Report of Operations <input checked="" type="checkbox"/></td> <td></td> </tr> </table>		NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:		TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>	FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>	SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>	REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) Monthly Report of Operations <input checked="" type="checkbox"/>		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Section 26-T9S-R21E
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:																				
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>																			
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>																			
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>																			
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) Monthly Report of Operations <input checked="" type="checkbox"/>																				
		12. COUNTY OR PARISH Uintah																				
		13. STATE Utah																				

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)  
  
Please refer to attached copy of drilling operations during the month of August 1986.

**RECEIVED**  
SEP 22 1986

DIVISION OF  
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct  
 SIGNED H. E. Aab TITLE District Drilling Manager DATE September 17, 1986  
Denver District

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY:

NBU 60  
NATURAL BUTTES PROSPECT  
JINTAH COUNTY, UTAH

LOCATION: 1600' FSL, 1 FWL NW SW Section 26- T9S-  
R21E GR 40'

CONTRACTOR: BOMAC #85/H&W  
WI: 100% COGC AFE: 11055  
ATD: 6500' WASATCH SD: 7-31-86 & 8-7-86  
CSG: 8 5/8" @ 260'

DHC(M\$): \$138.1/CC(M\$):

- 8-19-86 6500' RR, 120'- 8 3/4 hr. Drlg. Circ & cond md. Short trip 10 stds. Circ & cond for log. Drop svy, TOOH, SLM, half way out. RR, main shaft brg on drawworks. MW 9.6, Vis 39, FL 11.8, PV 10, YP 7, Sol 8, pH 10, Alk Pf .6, Mf 1.3, Cl 4000, Ca 40, Gels 1/3, FC 2/32, MBT 16.5. CC: \$104,485
- 8-20-86 6500' TIH to cond for csg. RR. TOOH, rem svy t1 & TIH. Circ & cond for logs. Short trip 10 stds, tite 6500-6215'. Circ & cond for logs. TOOH, SLM, no corr. RU Dresser Atlas Log, could not get past 6364' w/logging t1 (no brks below 6364'). Ran FDC-CNL 6364-1500', DIL-Cal 6364-268'. RD Dresser Atlas. Svy: 2° @ 6500'. MW 9.7, Vis 38, FL 10.8, PV 11, YP 8, Sol 8, pH 10.5, Alk Pf .6, Mf 1.2, Cl 4000, Ca 40, Gels 1/2, FC 2/32, MBT 16.5 CC: \$120,687
- 8-21-86 6500' RDRT. TIH. PU rot hd, wsh & ream 125', 8' fill. Circ & cond for csg. LD DP & DC. RU & run 163 jt 5½", 17#, J-55, K-55 & N-80, 6519.05' LT&C used csg, set @ 6500'. RU Howco, circ, mx & pmp: 1500 gal md flush, 50 bbl CS-2 spacer, 450 sx HALCO "HiFill", 1020 sx 50-50 poz w/2% gel, 10% salt, .6% HALAD 24, ¼#/sx Flocele. Displ w/153½ bbl 3% KCL wtr, did not bump plug, floats held. Gd cmt ret @ 180 bbl displacement, then stop circ, but hole stood full for remainder of displacement; RD Howco. ND BOP, cln md tanks, set csg slips. RR @ 6:00 AM 8-21-86. FINAL DRILLING REPORT, TURN TO PRODUCTION. CC: \$165,789

NBU 60  
NATURAL BUTTES PROSPECT  
JUNTAH COUNTY, UTAH

LOCATION: 1600' FSL, 1' FWL NW SW Section 26- T9S-  
R21E GR 4940'

CONTRACTOR: BOMAC #85/H&W  
WI: 100% COGC AFE: 11055  
ATD: 6500' WASATCH SD: 7-31-86 &  
CSG: 8 5/8" @ 260'

DHC(M\$): \$138.1/CC(M\$):

- 8-12-86 4640' drlg, 153'-8½ hr. Wash & ream 100' to btm. Drl to 4539'. Shut well in, SICP 400 psi, circ kick thru choke. Opn well, circ thru gas buster, unloading hole, 30' flare. Shut well in, 300 psi on chk w/30' flare, mx md to 10.2 ppg, wrk pipe thru Hydril. Pmp 10.2 ppg md @ kill rate thru choke & circ out gas. Drlg. RR, chng out swivel pkg. Drlg. Drlg Brk: 4501-4517' (16'), MPF: 2½-0.1-2½. MW 10.2, Vis 42, FL 13.8, PV 14, YP 10, Oil 0, LCM 0, Sol 11, pH 10.5, Alk Pf .6, Mf 1.3, Cl 10000, Ca 40, Gels 5/12, FC 2/32. CC: \$65,390
- 8-13-86 4935' drlg, 295'-20¼ hr. Drlg. RS, chk BOPs. Drlg. Lost full ret @ 4803', mix 20% LCM pill & spot for 15 min, regain full ret, lost 150 BM. drlg. In Wasatch. Drlg Brk: 4867-4873', MPF 3-0.5-5, no gas incr. MW 9.7, Vis 46, WL 14.2, PV 13, YP 10, Oil 0, LCM 0, Sol 11, pH 10, Alk Pf 0.6, Mf 1.5, Cl 14000, Ca 40, Gels 5/11, FC 2/32. CC: \$73,632
- 8-14-86 5125' drlg, 190'/15½ hr. Drlg. Svy: 2<sup>D</sup> @ 4982'. RS, chk BOP. Drlg. Pmp pill, svy 1 3/4<sup>O</sup> @ 5120', TOOH w/Bit #2. Dress bit, chk BOPs. TIH w/Bit #3. Wsh 60' to btm, no fill. Drlg. In Wasatch, no gas. MW 9.4, Vis 39, FL 15.2, PV 11, YP 9, Sol 8, pH 9, Alk Pf .1, Mf 2.3, Cl 15000, Ca 40, Gels 4/9, FC 1/32 CC: \$81,699
- 8-15-86 5453' drlg, 328'-23 3/4 hr. Drlg. RS, chk BOP. Drlg. In Wasatch, no gas, NS. MW 9.4, Vis 37, FL 18.4, PV 12, YP 12, Oil 0, LCM 0, Sol 8, pH 10, Alk Pf 0.2, Mf 0.9, Cl 12000, Ca tr, Gels 6/15, FC 2/32. CC: \$87,546
- 8-16-86 5785' drlg, 332'-22 3/4 hr. Drlg. RS. Drlg. Circ & svy: 3/4<sup>O</sup> @ 5613'. Drlg. RR, rot chain. Drlg. In Wasatch. Several drlg brks in Wasatch. No gas incrs. MW 9.1, Vis 34, FL 17.4, PV 5, YP 5, Oil 0, LCM 0, Sol 5, pH 10, Alk Pf .3, Mf .9, Cl 9000, Ca tr, Gels 1/2, FC 2/32. CC: \$91,921
- 8-17-86 6025' drlg, 240'-14½ hr. Drlg. RS. Drlg. RR, chain. Drlg. TFNB & TIH w/DCs. Cut drlg line. Fin TIH. Wash 48' to btm, no fill. Drlg. In Wasatch. NS, no gas. Svy: 1 3/4<sup>O</sup> @ 5990'. MW 9.1, Vis 34, FL 20, PV 5, YP 2, Sol 7, pH 9.5, Alk Pf .2, Mf 1.5, Cl 7000, Ca tr, Gels 0/1, FC 2/32, MBT 8. CC: \$95,098
- 8-18-86 6380' drlg, 355'-23 3/4 hr. Drlg. RS. Drlg. In Wasatch. No gas. MW 9.4, Vis 33, FL 17.4, PV 4, YP 4, Oil 0, LCM 0, Sol 7, pH 10, Alk Pf .6, mF 1.2, Cl 5000, Ca 40, Gels 0/1, FC 2/32, MBT 8. CC: \$99,126

NBU 60

NATURAL BUTTES PROSPECT

JUNTAH COUNTY, UTAH

CONTRACTOR: BOMAC #85/H&W

WI: 100% COGC AFE: 11055

ATD: 6500' WASATCH SD: 7-31-86 &

CSG: 8 5/8" @ 260'

LOCATION: 1600' FSL, 601' FWL NW SW Section 26- T9S-  
R21E GR 4940'

DHC(M\$) : \$138.1/CC(M\$) :

- 7-31-86 Building location. Will drill surface hole and set 8 5/8" on 8-1-86 w/ Leon Ross Air Rig. Expect to spud w/BOMAC Rig 85 on Tuesday 8-5-86.
- 8-1-86 250' Prep to run 8 5/8" csg. Leon Ross Drilling drld 12 1/4" hole to 250' BGL. Will set & cement 8 5/8" csg this AM. CC: \$8795
- 8-2-86 260' WOC. Ran 8 5/8" csg, set @ 250'. HOWCO cmt to surface.
- 8-3-86 260' WORT.
- 8-4-86 260' MIRT. Expect to spd Tues 8-5-86.
- 8-5-86 260' RURT. Expect to spd Wed 8-6-86. 8 5/8" csg was cmtd w/160 sks Type 2 cmt w/2% CaCl. Cmt circ. CC: \$8795
- 8-6-86 260' RURT. Ran 260', 7 jts 8 5/8", 24#, K-55, LT&C csg set at 260' BGL. Halliburton cmt w/150 sx Type II cmt w/2% CaCl<sub>2</sub>, 1/4#/sk Flocele. Cmt circ to surf. RU BOMAC #85. Will spud this PM. \$10,664
- 8-7-86 330' drlg, 56'-2 hr. RURT. NU & tst BOPs to 3000 psi, Hydril to 1500 psi, TIH & tag cmt @ 192' @ 3 AM 8-7-86. Drlg cmt 192-274'. Drlg. Drlg w/wtr. Spud 8-7-86. CC: \$11,737
- 8-8-86 1805' Drlg, 1475'-22 3/4 hr. Drlg. Svy: 1 1/4° @ 497'. RS. Drlg. Svy: 1 3/4° @ 1007'. Drlg. Svy: 1° @ 1466'. Drlg. MW 8.4, Vis 27, pH 9.5, Cl 900, Ca 40. CC: \$24,951
- 8-9-86 3110' drlg, 1305'-22 1/4 hr. Drlg. Circ & svy @ 2046' 3/4°. RS & chk BOP. Drlg. Circ & svy: 1 1/2° @ 2509'. Drlg. Inst rot hd. Drlg. Circ & svy 1 1/2° @ 3025'. Drlg. Drlg w/wtr. MW 8.4, Vis 27. CC: \$42849
- 8-10-86 4130' drlg, 1020'-23 hr. Drlg. Circ & svy: 1 1/4° @ 3542'. RS & chk BOP. Drlg. Svy: 1 3/4° @ 4002'. Drlg. In L/Green River. Drlg w/wtr. MW 8.4, Vis 27. CC: \$52,603
- 8-11-86 4487' TIH w/bit #2; 357'-7 hr. Drlg. Circ to kill gas w/9.8 ppg brine, 200 bbl, had 8' flare. TOOH for bit. WO magnet. TIH w/mag. Fish cones. TOOH w/mag, chain out, rec all cones. LD mag, PU bit. Chk BOPs. TIH w/bit. Svy: 3/4° @ 4487'. MW 8.4, Vis 27, FL NC, PV 1, YP 1, Oil 0, LCM 0 Sol tr, pH 10, Cl 1300, Ca 80, Gels 0/0, FC 0, MBT 0. CC: \$59767

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

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

101608

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. U-01194-St.
2. NAME OF OPERATOR Coastal Oil & Gas Corporation Attn: Anne M. Burgin		6. IF INDIAN, ALLOTTEE OR TRIBE NAME NA
3. ADDRESS OF OPERATOR P. O. Box 749, Denver, Colorado 80201		7. UNIT AGREEMENT NAME Natural Buttes
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1600' FSL, 661' FWL NW SW		8. FARM OR LEASE NAME COG NBU
14. PERMIT NO. 43-047 -31728		9. WELL NO. 60
15. ELEVATIONS (Show whether SF, ST, OR, etc.) 4940' GR		10. FIELD AND POOL, OR WILDCAT Natural Buttes Field
16. Check Appropriate Box To Indicate Nature of Work, or Other Data		11. SEC., T., S., M., OR BLE. AND SURVEY OR AREA Section 26-T9S-R21E
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)		12. COUNTY OR PARISH Uintah
		13. STATE Utah

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OCT 03 1986

DIVISION OF

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

(Other) Proposed Gas Well Production Hookup (NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

SUPPLEMENT TO APPLICATION FOR PERMIT TO DRILL

- Proposed Gas Well Production Hookup
  - Typical Wellhead Installation
  - Typical Main Lines and Pipe Anchor Detail
- Proposed Pipeline Map
- Proposed Road and Flow-line and Pipeline Right-of-Way

for On-site, contact Ira K. McClanahan at 303-520-4395

18. I hereby certify that the foregoing is true and correct  
 SIGNED Vince E. Guinn TITLE Sr. Production Engineer Denver District DATE October 2, 1986

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY:

ESTIMATE SKETCH

DATE: 8-13-86  
STARTING DATE: \_\_\_\_\_  
EST. COMP. DATE: \_\_\_\_\_  
 COMPANY  CONTRACT

COLORADO INTERSTATE GAS COMPANY  
 \_\_\_\_\_

W O NO.: 29842  
REVISION NO.: Δ  
BUDGET NO.: \_\_\_\_\_  
RELATED DWG.: \_\_\_\_\_

LOCATION: 1600' ESL, 661' FWL, SEC 26-T9S-R21E COUNTY: Uintah STATE: Utah  
DESCRIPTION OF WORK: Connect NBU #60 Natural Buttes

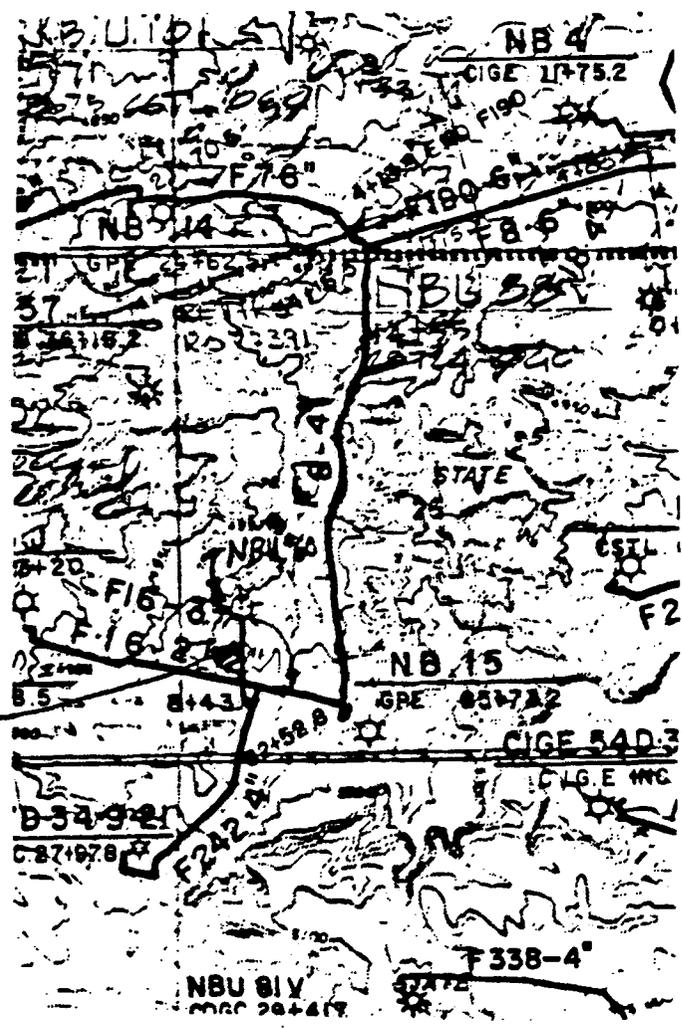
REQUESTED BY: \_\_\_\_\_ APPROXIMATE MILEAGE: \_\_\_\_\_ PROJECT ENGINEER: \_\_\_\_\_

RANGE: 21E

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AUG 13 1986  
ENGINEERING  
CONSTRUCTION  
SECTION

ISSUED FOR SURVEY AUG 31 1986



TOWNSHIP: 9S

Δ  
2" meter setting P3205  
w/2mm dchy.  
1000' of FRC coated  
4" pipe.  
4" on 4" SU. w/check  
less insulation

PREPARED BY: \_\_\_\_\_ SCALE (IF ANY): 1"=2,000'

Freehand sketch of location of proposed installation to be constructed or retired showing relative location of existing facilities in area.

Statement for permit to lay flow line, to be included with application for Drilling Permit:

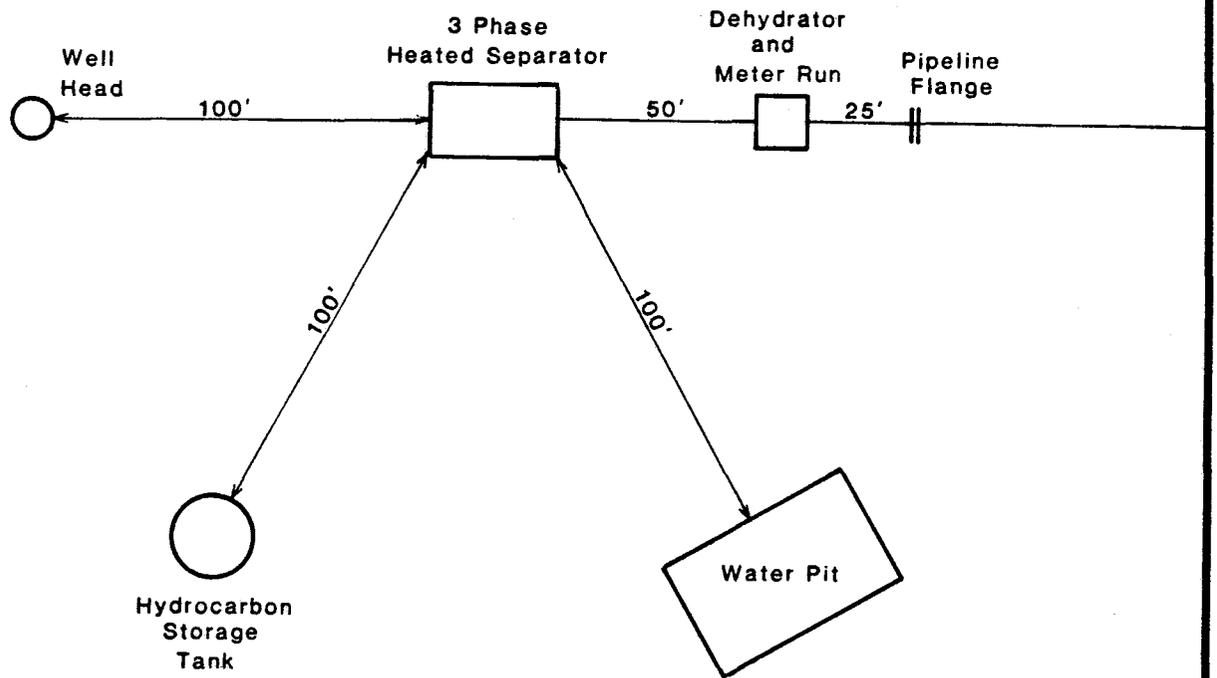
Upon approval of all concerned regulatory agencies, CIG proposes to install a surface flow line from NBU #60 in a (or an) southerly direction through the SW/4 of Section 26 connecting to Line F242-4" in the SW/4 of Section 26, all in 9S-21E. The line will be approximately 1,000' long, as shown on the attached sketches.

Pipe will be 4-1/2" O.D. x .125" W.T., Grade B coated. It will be butt-welded in place, using portable electric welding machines, and will be laid aboveground except where burial is necessary for road crossing, ditches, or other obstructions. Magnesium anodes will be installed at the dehydrator, meter setting, road crossings, underground piping at stream crossings, and at producer's separator for corrosion protection.

CIG will connect to producer's separator and install dehydration and metering facilities within 100' of the connection.

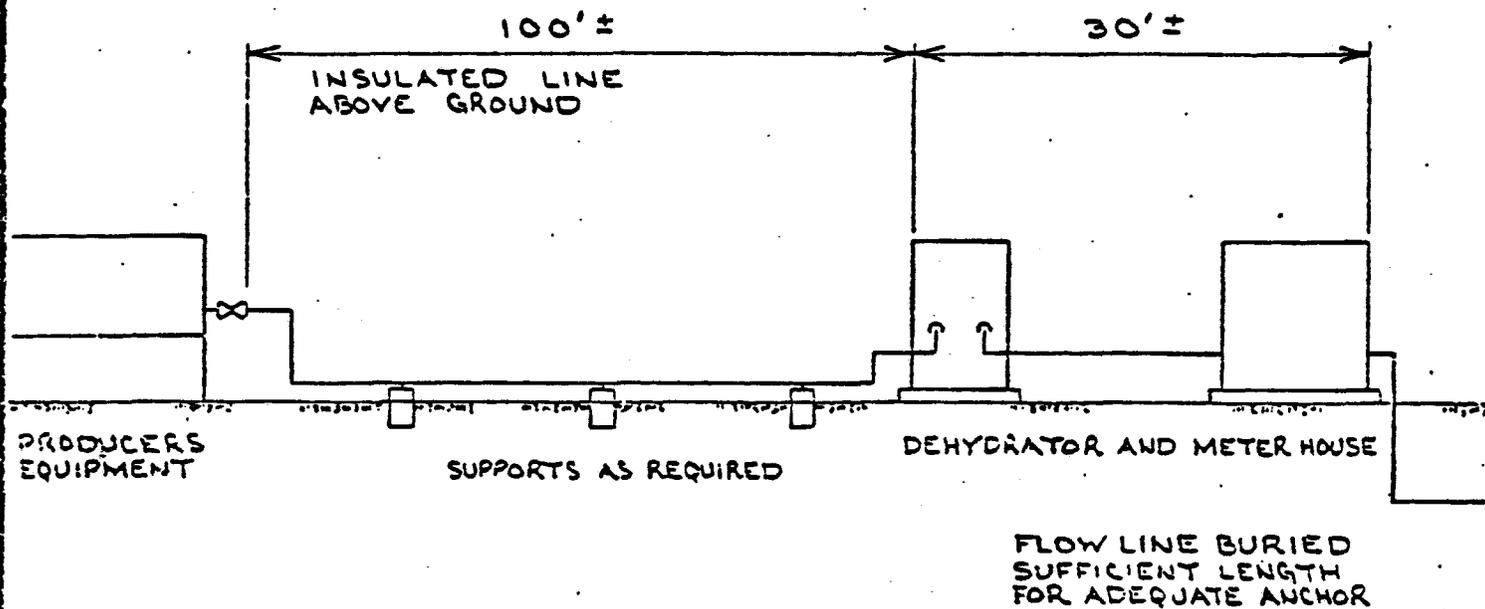
Some damage will be incurred by trucks transporting pipe and welding equipment over the pipeline route, but surface disturbance will be held to a minimum.

551k/56k



COASTAL OIL & GAS CORPORATION  
DENVER, COLORADO

NBU 60  
1600' FSL, 661' FWL  
NW SW Section 26-T9S-R21E  
Natural Buttes Field  
Uintah County, Utah



						Colorado Interstate Gas Co. COLORADO SPRINGS, COLORADO	
						TYPICAL WELL HEAD INSTALLATION NATURAL BUTTES FIELD	
						UINTAH COUNTY, UTAH	
C.O. NO.	DESCRIPTION	DATE	BY	CHK.	APP.	SCALE: NONE	DRAWN: RWP
							115FP-2 1/2

PIPELINE TO BE ADEQUATELY ANCHORED TO PREVENT UNDUE MOVEMENT OR STRAIN TO EXISTING FACILITY. NUMBER AND SPACING OF ANCHORS TO BE DETERMINED IN FIELD

FOR PIPE ANCHOR DETAIL SEE DWG. 80FM3-4A

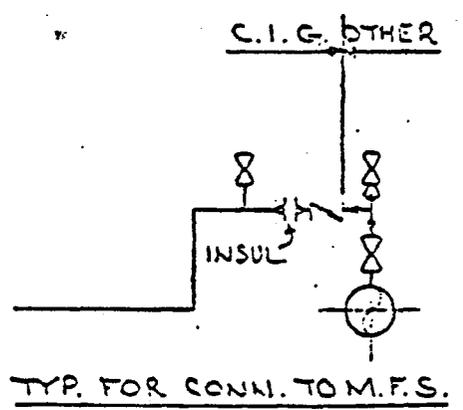
20'±

O.O.  
C.Y.  
S.V.

EXIST. PIPELINE

ALTERNATE ANCHOR - BURY PIPELINE MIN. OF 18"

(TYP. FOR G.P.E. OR C.I.G.)




Colorado Interstate Gas Co.  
COLORADO SPRINGS COLORADO

TYPICAL CONNECTION TO MAIN LINES AND PIPE ANCHOR DETAIL - NATURAL BUTTES FIELD

UINTA COUNTY, UTAH

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

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

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DIVISION OF  
OIL, GAS & MINING

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. U-01194-St.
2. NAME OF OPERATOR Coastal Oil & Gas Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
3. ADDRESS OF OPERATOR P.O. Box 749, Denver, Colorado 80201-0749		7. UNIT AGREEMENT NAME Natural Buttes Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1600' FSL, 661' FWL, NW SW		8. FARM OR LEASE NAME COG NBU
14. PERMIT NO. 43-047-31728	15. ELEVATIONS (Show whether DT, RT, GR, etc.) 4940' GR ungrd.	9. WELL NO. 60
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		10. FIELD AND POOL, OR WILDCAT Natural Buttes
		11. SEC., T., R., N., OR BLK. AND SURVEY OR AREA Section 26, T9S, R21E
		12. COUNTY OR PARISH 13. STATE Uintah Utah

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) Monthly Report of Operations <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

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

Please refer to attached copy of drilling operations during the month of September 1986.

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

SIGNED Vince E. Guinn TITLE Production Engineer DATE 9/24/86  
Vince E. Guinn

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

THE COASTAL CORPORATION  
DRILLING REPORT

NBU #60-26  
NATURAL BUTTES PROSPECT  
UINTAH COUNTY, UTAH  
WI: 100.00% COGC AFE: 11055  
SD: 8/7/86  
TD: 6500' (WASATCH)  
CSG: 5-1/2" @ 6500'  
PERFS: 5307-5997'  
CWC(M\$): 281.6 CC(M\$):

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DIVISION OF  
OIL, GAS & MINING

8/26/86 Prep to PU tbg. MIRU Pool Rig #298. Press csg & NU WH & BOP. SDFN.  
DC: \$2,000 TC: \$168,496

8/27/86 Prep to run CBL & perf. Unloaded & rack 2-3/8" tbg (218 jts). PU 4-1/16"  
cmt mil on 2-3/8" 4.7# J-55 used tbg & TIH. Tagged hard cmt @ 6357'. Circ  
hole clean w/3% KCL. POH LD 1207' of tbg. SDFN.  
DC: \$3,750 TC: \$172,246

8/28/86 Prep to brkdn Wasatch perfs 5307-5997'. MIRU Welex. Ran CBL-CCL w/GR fr  
6357' PBD to surf. Had good cmt to 350'. Bond was 98% thru Wasatch. Had  
1500 psi on csg thruout logs. Press tst csg to 5000/15 min. OK. Perf  
Wasatch 5307-5997' as per procedure w/1 SPF using 4" csg gun w/1/2" holes.  
Total of 16 holes. Had no press incr thruout. Ran & landed 5150' 2-3/8"  
tbg w/notched collar, SN 1 jt fr btm & 10' blast jt @ surf.  
DC: \$1,900 TC: \$174,146

8/29/86 Well SI. WO frac. MIRU Howco. Press tst lines to 6000 psi. Brkdn  
Wasatch perfs 5307-5997' w/3000 gal 3% KCL wtr & 32 1.1 sq ball sealers as  
follows. 3 BPM & 2300 psi brk to 4.4 BPM & 3500 & incr to 1.5 BPM & 5000  
psi. Displ w/35 bbls 3% KCL @ 4.9 BPM & 3500 psi. ISIP 1100, 5 min 590,  
10 min 520, 15 min 470 psi. Opnd to pit on 48/64" chk. Flwd 15 BW in 1.25  
hrs @ 0 psi. Well kicked & flwd 65 BW in 6 hrs on 48/64" chk & FTP 125  
psi. Est gas @ 1 MMCFD. Left flwg to pit on 24/64" chk. RR @ 2:30 pm.  
DC: \$3,140 TC: \$177,286

8/30/86 SIT/CP 1975/1975/8-1/2 hrs, 2000/2000/24 hrs.

8/31/86 SIT/CP 2025/2075/48 hrs.

9/1/86 SD for holiday.

9/2/86 Prep to frac.

9/4/86 SIT/CP 2100/2100/120 hrs. MIRU Howco. Frac'd Wasatch perfs 5307-5997'  
w/115,000 gal x-linked gel & 200,000# 20-40 sd as per procedure. AIR 35  
BPM, AIP 2700, MIP 4500 psi, ISIP 1450 psi, 5 min 1360, 10 min 1330, 15 min  
1310. 2810 BLWTR. SION.  
DC: \$35,692 TC: \$212,978

9/5/86 SITP/CP 750/750/21 hrs. Opnd well to pit on 20/64" chk. Flwd 600 bbls  
2810 BL/10 hrs. FTP 175, SICIP 225. Est 475 MCFD gas. Left well flwg  
overnight on 20/64" chk.

9/6/86 Flow tst well. FTP/SICP 1000/1025/24 hrs. Well flwg @ 2.5 MMCFD on 20/64"  
chk. Flwd 240 BL/24 hrs. Changed chk to 8/64" chk. 1970 BLWTR.

9/7/86 SI. SITP/SICP 1950/1975/17 hrs. Flwd 600 MCFD on 8/64" chk/11 hrs.  
FTP/SICP 1600/1600. Rec 56 BLW. SI well. 1914 BLWTR.  
DC: \$3,577 TC: \$216,255

9/8/86 Well SI. SIT/CP 2000/2100/41 hrs.

9/9/86 SITP/CP 2000/2100/65 hrs.

9/10/86 SITP/CP 2025/2100/89 hrs. Completed as Wasatch flwg gas well as of  
9/11/86.  
TC: \$216,255

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

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

**RECEIVED**  
OCT 09 1986

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. U-01194-St.
2. NAME OF OPERATOR Coastal Oil & Gas Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
3. ADDRESS OF OPERATOR P.O. Box 749, Denver, Colorado 80201-0749		7. UNIT AGREEMENT NAME Natural Buttes Unit
4. LOCATION OF WELL (Report location clearly and in accordance with applicable regulations. See also space 17 below.) At surface 1600' FSL, 661' FWL, NW SW		8. FARM OR LEASE NAME COG NBU
14. PERMIT NO. 43-047-31728		9. WELL NO. 60
15. ELEVATIONS (Show whether SF, RT, OR, etc.) 4940' GR ungrd.		10. FIELD AND POOL, OR WILDCAT Natural Buttes
		11. SEC., T., R., N., OR BLE. AND SUBST. OF AREA Section 26, T9S, R21E
		12. COUNTY OR PARISH Uintah
		13. STATE Utah

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input checked="" type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

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

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

8/28/86 Prep to brkdn Wasatch perms 5307-5997'. MIRU Wellex. Ran CBL-CCL w/GR fr 6357' PBTD to surf. Had good cmt to 350'. Bond was 98% thru Wasatch. Had 1500 psi on csg thruout logs. Press tst csg to 5000/15 min. OK. Perf Wasatch 5307-5997' as per procedure w/1 SPF using 4" csg gun w/1/2" holes. Total of 16 holes. Had no press incr thruout. Ran & landed 5150' 2-3/8" tbg w/notched collar, SN 1 jt fr btm & 10' blast jt @ surf.  
DC: \$1,900 TC: \$174,146

9/4/86 SIT/CP 2100/2100/120 hrs. MIRU Howco. Frac'd Wasatch perms 5307-5997' w/115,000 gal x-linked gel & 200,000# 20-40 sd as per procedure. AIR 35 BPM, AIP 2700, MIP 4500 psi, ISIP 1450 psi, 5 min 1360, 10 min 1330, 15 min 1310. 2810 BLWTR. SION.  
DC: \$35,692 TC: \$212,978

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

SIGNED *James Gunn* TITLE \_\_\_\_\_ DATE \_\_\_\_\_

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

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

SUBMIT IN DUPLICATE\*  
(See other instructions  
on reverse side)

56 64 01

101510

12

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

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

3. NAME OF OPERATOR  
Coastal Oil & Gas Corporation

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

5. LOCATION OF WELL (Report location clearly and in accordance with state requirements)\*  
At surface  
1600' FSL & 661' FWL, NW SW  
At top prod. interval reported below  
At total depth  
Same

14. PERMIT NO. 43-047-31728 DATE ISSUED 7/28/86

15. DATE SPUNDED 8/6/86 16. DATE T.D. REACHED 8/19/86 17. DATE COMPL. (Ready to prod.) 9/11/86 18. ELEVATIONS (DP, RES. ST. GR, ETC.)\* 5040' GR ungrd. 19. ELEV. CASINGHEAD 5040'

20. TOTAL DEPTH, MD & TVD 6500' 21. PLUG BACK T.D., MD & TVD 6357' 22. IF MULTIPLE COMPL., HOW MANY\* \_\_\_\_\_ 23. INTERVALS DRILLED BY \_\_\_\_\_ 24. ROTARY TOOLS X 25. CABLE TOOLS \_\_\_\_\_

26. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
5307-5997 Wasatch 27. WAS DIRECTIONAL SURVEY MADE No

28. TYPE ELECTRIC AND OTHER LOGS RUN  
DIL-NDG/CNL *CP* 29. WAS WELL CORED No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24	260	12-1/4	160 SX	
5-1/2"	17	6500	7-7/8	1470 SX	

31. LINER RECORD

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

32. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

33. PREPARATION RECORD (Interval, size and number)

5307	5578	5725
5315	5589	5807
5324	5596	5812
5490	5713	5986
5504	5719	5997
5562	TOTAL: 16 holes	

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5307-5997	115,000 gal x-linked gelled wtr & 200,000# 20-40 sd.

35. PRODUCTION

DATE FIRST PRODUCTION 8/29/86 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing or shut-in) ST. WOPLC.

DATE OF TEST	HOURS TESTED	CHOKED SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO
9/6/86	24	20/64"	→	0	2500	240	---

FLOW. TURNING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.)
1000	1025	→	0	2500	240	

36. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented TEST WITNESSED BY Paul Breshears

37. LIST OF ATTACHMENTS  
None.

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

SIGNED Vince E. Gunn TITLE Production Engineer DATE 9/24/86

RECEIVED  
OCT 09 1986

DIVISION OF  
OIL, GAS & MINING

861015  
CP

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



COMPANY: COASTAL OIL & GAS UT ACCOUNT # \_\_\_\_\_ SUSPENSE DATE: \_\_\_\_\_

TELEPHONE CONTACT DOCUMENTATION

112004

CONTACT NAME: RONNEY COX (303) 573-4488

CONTACT TELEPHONE NO.: COASTAL MAIN NUM (303) 572-1121

SUBJECT: COG WASH # 60 - FORMATION TOPS

(Use attachments if necessary)

RESULTS: GREEN RIVER 1460'

WASATCH 4740'

(Use attachments if necessary)

CONTACTED BY: [Signature]

DATE: 11-19-86

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, Colorado 80201-0749 (303) 573-4476

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

1600' FSL & 661' FWL  
Section 26, T9S-R21E

5. Lease Designation and Serial No.

U-01194-ST

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

Natural Buttes Unit

8. Well Name and No.

Natural Buttes Unit #60

9. API Well No.

43-047-31728

PGW

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 Refracture  
 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 procedure to refrac the above-referenced well.

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 1-25-91  
BY: [Signature]

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

Signed [Signature] Title Regulatory Analyst Date 1-17-91

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any: \_\_\_\_\_

## REFRACING PROCEDURE

NBU #60  
Natural Buttes Unit  
Uintah County, Utah

### WELL DATA

Location: 1600' FSL & 661' FWL, Section 26, T9S, R21E  
Elevation: GL = 4940' KB = 4955'  
Depth: TD: 6500' PBD: 6357'  
Casing: 8-5/8" 24# K-55 ST&C CSA 250', cmt w/160 sx  
5-1/2" 17# J-55, K-55, N-80 LT&C CSA 6500', cmt w/1470 sx  
2-3/8" 4.7# J-55 @ 5150'

#### Tubing: Casing Properties:

<u>Description</u>	<u>ID</u>	<u>Drift</u>	<u>Capacity</u>	<u>Burst</u>	<u>Collapse</u>
5-1/2" 17# J-55	4.892	4.767	.0232 B/F	5320	4910
K-55	4.892	4.767	.0232 B/F	5320	4910
N-80	4.892	4.767	.0232 B/F	7740	6280
2-3/8" 4.7# J-55	1.995	1.901	.00387 B/F	7700	8100

Perforations: 5307, 5315, 5324, 5490, 5504, 5562, 5578, 5589, 5596, 5713, 5719, 5725, 5807, 5812, 5986, 5997.

### PROCEDURE

1. MIRU wireline company. TIH w/sinker bars to tag PBD. If any perforations are covered, notify Denver office.
2. TIH with 1-11/16" through tubing scallop gun and perforate 2 shots/ft @ 0° phasing at the following intervals: 4866, 5432, 5494, 5804.
3. MIRU the Halliburton Company. Prepare to refrac well.
4. Frac down tubing and tbg-csg annulus with 70,045 gals 70% carbon dioxide foam and 120,000 lbs 20/40 mesh sand as follows:
  - a. Pump 10,000 gals fresh water with clay control and other additives to establish the number of open perms, the required number of ball sealers, and the ISIP.
  - b. Pump 1000 gals of water with the required number of ball sealers. Pump 2,000 gals of 7-1/2% acid with additives.
  - c. Pump 15,000 gals 70% foam pad.
  - d. Pump 5000 gals 70% foam w/1 PPG 20/40 mesh sand.
  - e. Pump 10,000 gals 70% foam w/2 PPG 20/40 mesh sand.
  - f. Pump 10,000 gals 70% foam w/3 PPG 20/40 mesh sand.
  - g. Pump 10,000 gals 70% foam w/4 PPG 20/40 mesh sand.
  - h. Pump 10,000 gals 70% foam w/5 PPG 20/40 mesh sand.

- i. Flush w/5045 gals saltwater w/CO<sub>2</sub>.
- j. SI well for 3 hours to allow foam to break.

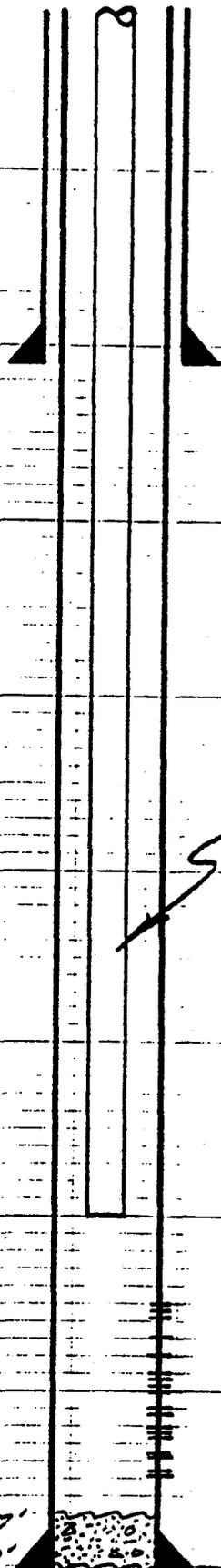
- NOTE:
- 1) Frac to have a fresh water base.
  - 2) Pump at less than 40 BPM.
  - 3) Max surface pressure = 5000 psi.
  - 4) Additives
    - a) Gel breaker
    - b) Clay stabilizer
    - c) Fluid loss control
    - d) Surfactant
  - 5) Minimum fluid temperature 70°F.
  - 6) Batch mix gel prior to fracing.
  - 7) Tag sand with radioactive tracer.

- 5. Flow well to clean up frac load.
- 6. Check PBDT for sand frac after frac. Clean out if necessary.
- 7. Rig up wireline company. Run Gamma Ray log across perforations to determine location of sand.

DKD:cam DKD

NBU #60  
LINTAH CO., UTAH

SECTION 26, T9S, R21E



8 5/8" 24# K-55 CSA 250'  
CMT w/ 160 SX

2 3/8" TUBING 4.7# J-55 @ 5150'

PERFORATIONS: 5307, 5315, 5324, 5490  
5504, 5562, 5578, 5589  
5596, 5713, 5719, 5725  
5807, 5812, 5986, 5997

PBTD 6357'  
TD 6500'

5 1/2" 17# J-55, K-55, N-80  
CSA 6500' CMT w/  
1470 SX'S  
TOC 350'

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.  
U-01194-ST

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

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, Colorado 80201-0749 (303) 573-4476

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

1600' FSL & 661' FWL  
Section 26, T9S-R21E

7. If Unit or CA, Agreement Designation

Natural Buttes Unit

8. Well Name and No.

NBU #60

9. API Well No.

43-047-31728

POW

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 Re-frac
- 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 "refrac" procedure performed on the above-referenced well.

RECEIVED  
MAR 07 1991

DIVISION OF  
OIL, GAS & MINING

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

Signed

*Colleen Cunningham*

Title

Regulatory Analyst

Date

3-4-91

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

THE COASTAL CORPORATION  
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

Page 3

NBU #60 (REFRAC)  
NATURAL BUTTES UNIT  
UINTAH COUNTY, UTAH  
WI: 100% COGC  
TD: 6500' (WASATCH)  
CSG: 5-1/2" @ 6500'  
PERFS: 5307-5997'  
CWC(M\$): \$90.0

2/1/91 RU Howco. SITP 900 psi, SICP 1500 psi. Do 10,000 gal pump in test. Calculated 7 perforations were open. Drop 7 balls. Pump 1500 gals 7-1/2% acid to open remaining perforations. Frac well with 70,045 gal 70% CO<sub>2</sub> foam and 120,000# 20/40 sand. AIR 14.1 BPM, 2800 psi. ISITP 1450 psi. SI well for 3 hrs. Open to pit. Load to recover 887 bbls. Recover 150 bbls in first 14 hours.  
DC: \$62,300 TC: \$62,300

2/2/91 Flow to pit. SICP 675 psi, FTP 400. Flow wtr mist. Still some CO<sub>2</sub>.

2/3/91 Flow to pit. SICP 825 psi, FTP 400. Wtr by slugs, 30 to 40 BWPD.

2/4/91 Flow to pit. FTP 620# on 20/64" choke. Gas w/heavy mist of wtr. Est rate 1500 MCFD.

2/5/91 Flwg 600 MCFD, 5 BWPD, FTP 960#. Still making some sand.

2/6/91 Flwg 752 MCFD, 5 BWPD, FTP 900#.

2/7/91 Flwg 451 MCFD, slugs of wtr, FTP 900 psi.

2/8/91 Flwg 1234 MCFD, 3 BWPD, FTP 640 psi.

2/9/91 Flwg 1099 MCFD, 2 BWPD, FTP 640 psi.

2/10/91 Flwg 903 MCFD, 1 BWPD, FTP 720 psi.

Prod prior to frac: 336 MCFD. Final report.  
DC: \$400 TC: \$62,700

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.

U-01194-ST

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 #60

9. API Well No.

43-047-31728 *PGW*

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, Colorado 80201-0749 (303) 573-4476

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

1600' FSL & 661' FWL  
Section 26, T9S-R21E

**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 Clean out 5-1/2" csq.

- 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 report for the procedure performed to clean out the 5-1/2" casing in the above-referenced well.

**RECEIVED**

APR 08 1991

DIVISION OF  
OIL GAS & MINING

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

Signed

*Eileen Danni Day*

Title

Regulatory Analyst

Date

April 4, 1991

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

THE COASTAL CORPORATION  
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

Page 4

NBU #60 (CLEAN OUT)  
NATURAL BUTTES UNIT  
UINTAH COUNTY, UTAH  
WI: 100% COGC  
TD: 6500' (WASATCH)  
CSG: 5-1/2" @ 6500'  
PERFS: 5307-5997'

- 2/26/91 Kill well. POOH w/prod string. MIRU Welltech rig #247.  
DC: \$2,425 TC: \$2,425
- 2/27/91 ~~POOH w/Mountain States cleanout tool.~~ Kill well w/175 bbls 2% KCl.  
POOH w/164 jts 2-3/8" tbg. SLM = 5142.89'. PU Mountain States  
cleanout tool. TIH. Hit bridge @ 5589'. Clean out 5-1/2" csg to  
5744'. Tool full. POOH w/10 stds tbg.  
DC: \$3,359 TC: \$5,784
- 2/28/91 TIH & clean out. Kill well w/75 bbls 2% KCl water. POOH w/tbg &  
bailer. Clean out bailer. TIH w/bailer. Hit light bridges @ 5620'-  
5628', 5635'. Tagged hard sand @ 5652'. Clean out to 5683'. Bailer  
quit working. TOOH w/bailer. PU new bailer. TIH.  
DC: \$3,295 TC: \$9,079
- 3/1/91 Clean out 5-1/2" casing. TIH w/mechanical bailer. Clean out sand to  
5786'. Bailer quit. POOH. LD old bailer. PU hydrostatic bailer.  
TIH to 5786'. Bailed sand to 5953'. Bailer full. POOH. Redress  
bailer. TIH.  
DC: \$3,245 TC: \$12,324
- 3/2/91 Prep to swab. TIH w/hydrostatic bailer. Tag sand @ 5743'. Clean  
out to 5980'. Bailer quit. POOH. Redress bailer. TIH. Tag sand  
@ 5965'. Bailed sand to 6046'. POOH w/bailer. TIH w/production  
string. Landed tbg @ 4712', SN @ 4680'.  
DC: \$3,090 TC: \$15,414
- 3/3/91 Swabbing. Kill well. ND BOP's, NU WH. Ru swab equipment. Made 32  
swab runs. FL @ 2000'. Recovered 192 bbls water. No flow. Total  
load to recover 900 bbls.  
DC: \$1,929 TC: \$17,343
- 3/4/91 Flow/swab well. TP 950 psi, CP 900 psi. Well blew down in 30 mins.  
Made 15 swab runs. FL @ 3000'. Recover 200 bbls. No flow. Put  
soap in tubing. 518 BLTR.  
DC: \$1,600 TC: \$18,943
- 3/5/91 RDMO SU. CP 1200 psi, tbg 1500 psi. Flow well to pit. Made 4 swab  
runs. FL @ 1000'-3000'. Recover 200 bbls wtr. Flow well to pit.  
178 BLTR.  
DC: \$1,715 TC: \$20,658
- 3/6/91 RDMO. Flow well to pit. FTP 250 psi, 20/64" choke.  
DC: \$460 TC: \$21,118
- 3/7/91 Flowing 750 MCFD, FTP 500 psi, 20/64" choke. Wet gas.
- 3/8/91 Flowing 1000 MCFD, FTP 500 psi, 20/64" choke. Slight trace water.
- Final report.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

<p>1. Type of Well: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER:</p> <p>2. Name of Operator: Coastal Oil &amp; Gas Corporation</p> <p>3. Address and Telephone Number: P.O. Box 749, Denver, CO 80201-0749 (303) 573-4476</p> <p>4. Location of Well Footages: 1600' FSL &amp; 661' FWL County: Uintah QQ, Sec., T., R., M.: NW/SW Section 26, T9S-R21E State: Utah</p>	<p>5. Lease Designation and Serial Number: U-01194-ST</p> <p>6. If Indian, Allottee or Tribe Name: N/A</p> <p>7. Unit Agreement Name: Natural Buttes</p> <p>8. Well Name and Number: NBU #60</p> <p>9. API Well Number: 43-047-31728</p> <p>10. Field and Pool, or Wildcat: Natural Buttes</p>
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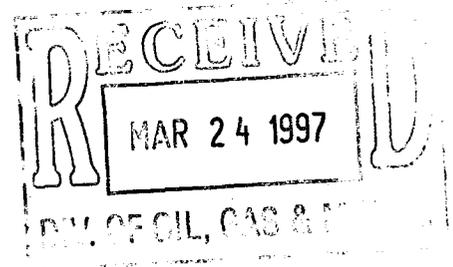
11. **CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

NOTICE OF INTENT (Submit In Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)																										
<table style="width:100%;"> <tr> <td><input type="checkbox"/> Abandon</td> <td><input type="checkbox"/> New Construction</td> </tr> <tr> <td><input type="checkbox"/> Repair Casing</td> <td><input type="checkbox"/> Pull or Alter Casing</td> </tr> <tr> <td><input type="checkbox"/> Change of Plans</td> <td><input type="checkbox"/> Recompletion</td> </tr> <tr> <td><input type="checkbox"/> Convert to Injection</td> <td><input type="checkbox"/> Perforate</td> </tr> <tr> <td><input checked="" type="checkbox"/> Fracture Treat or Acidize</td> <td><input type="checkbox"/> Vent or Flare</td> </tr> <tr> <td><input type="checkbox"/> Multiple Completion</td> <td><input type="checkbox"/> Water Shut-Off</td> </tr> <tr> <td><input checked="" type="checkbox"/> Other Lower tubing, install PLE</td> <td></td> </tr> </table> <p>Approximate date work will start _____ Upon approval _____</p>	<input type="checkbox"/> Abandon	<input type="checkbox"/> New Construction	<input type="checkbox"/> Repair Casing	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recompletion	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Perforate	<input checked="" type="checkbox"/> Fracture Treat or Acidize	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off	<input checked="" type="checkbox"/> Other Lower tubing, install PLE		<table style="width:100%;"> <tr> <td><input type="checkbox"/> Abandon *</td> <td><input type="checkbox"/> New Construction</td> </tr> <tr> <td><input type="checkbox"/> Repair Casing</td> <td><input type="checkbox"/> Pull or Alter Casing</td> </tr> <tr> <td><input type="checkbox"/> Change of Plans</td> <td><input type="checkbox"/> Perforate</td> </tr> <tr> <td><input type="checkbox"/> Convert to Injection</td> <td><input type="checkbox"/> Vent or Flare</td> </tr> <tr> <td><input type="checkbox"/> Fracture Treat or Acidize</td> <td><input type="checkbox"/> Water Shut-Off</td> </tr> <tr> <td><input type="checkbox"/> Other</td> <td></td> </tr> </table> <p>Date of work completion _____</p> <p><small>Report results of bMultiple CompletionsC and bRecompletionsC to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.</small></p> <p><small>* Must be accompanied by a cement verification report.</small></p>	<input type="checkbox"/> Abandon *	<input type="checkbox"/> New Construction	<input type="checkbox"/> Repair Casing	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Perforate	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Fracture Treat or Acidize	<input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> Other	
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<input type="checkbox"/> Fracture Treat or Acidize	<input type="checkbox"/> Water Shut-Off																										
<input type="checkbox"/> Other																											

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

Please see the attached procedure for operations to be completed on the subject well.

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



13. Name & Signature: Bonnie Carson Title: Bonnie Carson Senior Environmental Analyst Date: 03/21/97

(This space for State use only)

**NBU #60-26-9-21**  
**NATURAL BUTTES FIELD**  
**SECTION 26 T9S R21E**  
**WORKOVER PROCEDURE *HWM***

**WELL DATA**

LOCATION: 1600' FSL 661' FWL SEC. 26 T9S R21E  
ELEVATION: 4940' GR., 4953' KB.  
TD: 6500', PBT 6046' (1/91) WLS (11/96) 5837'  
CSG: 8-5/8", 24.0#, K-55 @ 260' w/ 160 SX.  
5-1/2", 17.0#, J&K-55 @ 6500' w/ 1470 SX.  
TBG: 2-3/8", 4.7#, J-55 @ 4712'  
FORMATION(S): WASATCH 5307' - 5997', 16 HOLES (9/86)  
WASATCH 4866' - 5804', 8 HOLES (1/91) - 24 TOTAL

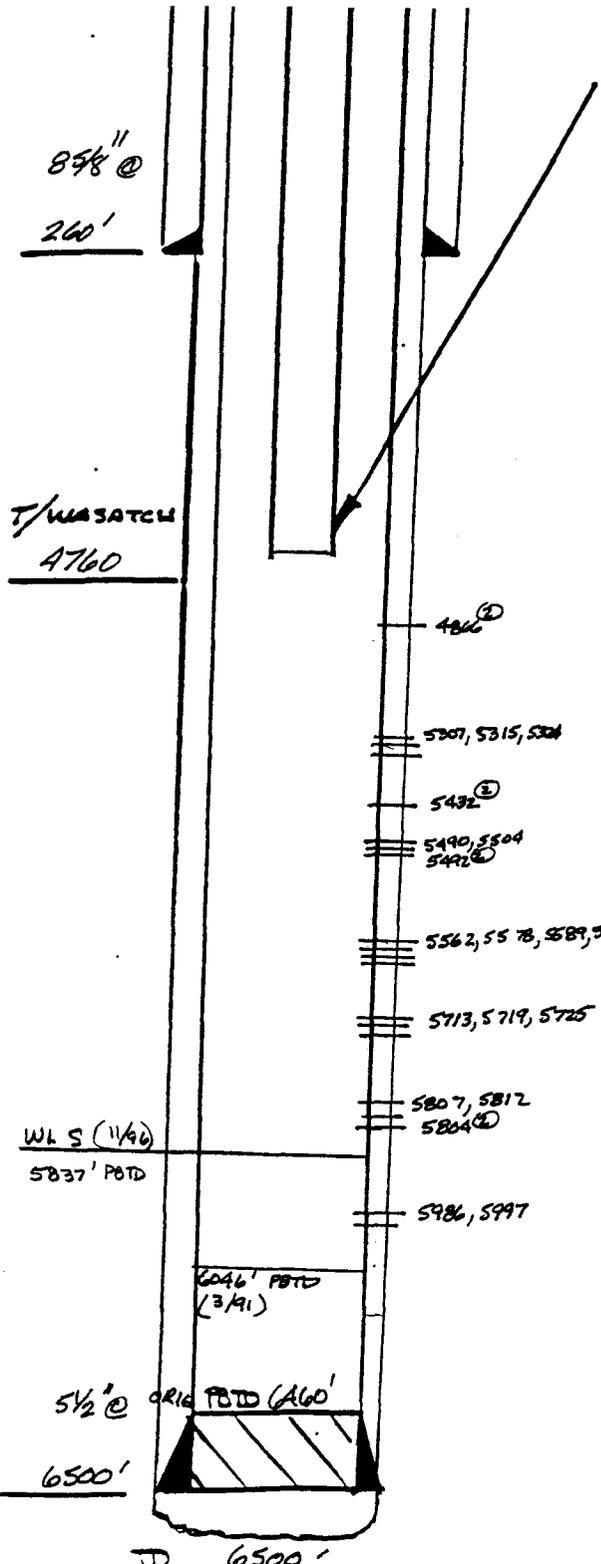
**PROCEDURE**

1. MI & RU pulling unit. Blow down & kill well w/ fresh water w/ clay stabilizing additives such as Halliburton's Cla-Sta or Dowell's L-64. ND WH. NU BOP.
2. RIH w/Broach to check 2-3/8" tbg for scale. POOH w/ Broach. TIH w/ 2-3/8" tbg & tag **new PBT** 5837' (WLS 11/96). PU & land tbg @ 5725'.
3. ND BOP. NU WH. RD & MO pulling unit.
4. RU service company. Pump 700 gal. 7-1/2 % HCL acid w/ inhibitors and clay stabilizers across perf's (4866' - 5804') to clean up possible scale. Acid to be swabbed back as soon as possible (8 - 12 hrs). RD service company. RU swab unit. Swab/flow well to clean up.
5. Install PLE. Return the well to sales.

NBU #60-26-9-21  
 NATURAL BUTTES FIELD  
 SECTION 26 T9S R21E

WELL DATA

LOCATION: 1600' FSL 661' FWL SEC. 26 T9S R21E  
 ELEVATION: 4940' GR., 4953' KB.  
 TD: 6500', PBSD 6046' (1/91) WLS(11/96) 5837'  
 CSG: 8-5/8", 24.0#, K-55 @ 260' w/ 160 SX.  
 5-1/2", 17.0#, J&K-55 @ 6500' w/ 1470 SX.  
 TBG: 2-3/8", 4.7#, J-55 @ 4712'  
 FORMATION(S): WASATCH 5307' - 5997', 16 HOLES (9/86)  
 WASATCH 4866' - 5804', 8 HOLES (1/91)-24 TOTAL



2 3/8", 4.7# @ 4712' w/ narrow collar on bottom

(11/96) WLS PBSD 5837'

(1/91) CO 5855' to 6046' Perf 2 JSPP w/ 3 1/8" CSG Sun  
 4866<sup>①</sup> 5432<sup>②</sup> 5492<sup>③</sup> 5804<sup>④</sup>

BD w/ 10,000 gal KCL WTR + 1500 gal 7 1/2% HCL  
 REFRAC 4866-5997 (24 holes) 120,000# SD + 70,045 gal 70% foam  
 CO 5889'-6046' RAN TRACK LOGS  
 IPF (3/91) 1000 MCF 2 1/4" OX FTP 500#

(9/86) WASATCH 5307' - 5997' 6 sands 16 holes  
 Perf 1 JSPP w/ 4" CSG Sun

5307	5490	5562	5713	5807	5986
5315	5504	5578	5719	5812	5997
5324		5589	5725		
		5596			

BD w/ 3000 gal 3% HCL WTR + 32 BS 3 @ 3BAM @ 2700#

FRAC'd w/ 200,000# SD + 115,000 gal gel AIR 35BAM @ 2700#

IPF (9/86) 2500 MCF + 240 BLW 2 1/4" OX FTP 1000# CP 1025#

FORM #

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. Type of Well: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER:		5. Lease Designation and Serial Number: U-01194-ST
2. Name of Operator: Coastal Oil & Gas Corporation		6. If Indian, Allottee or Tribe Name: N/A
3. Address and Telephone Number: P.O. Box 749, Denver, CO 80201-0749 (303) 573-4476		7. Unit Agreement Name: Natural Buttes
4. Location of Well: Footages: 1600' FSL & 661' FWL QQ, Sec., T., R., M.: NW/SW Section 26, T9S-R21E		8. Well Name and Number: NBU #60
		9. API Well Number: 43-047-31728
		10. Field and Pool, or Wildcat: Natural Buttes
		County: Uintah State: Utah

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

NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<input type="checkbox"/> Abandon	<input type="checkbox"/> Abandon *
<input type="checkbox"/> Repair Casing	<input type="checkbox"/> Repair Casing
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Convert to Injection
<input type="checkbox"/> Fracture Treat or Acidize	<input type="checkbox"/> Fracture Treat or Acidize
<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Multiple Completion
<input type="checkbox"/> Other _____	<input checked="" type="checkbox"/> Other Acdz, lwr tbg, install PLE
<input type="checkbox"/> New Construction	<input type="checkbox"/> New Construction
<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Pull or Alter Casing
<input type="checkbox"/> Recompletion	<input type="checkbox"/> Perforate
<input type="checkbox"/> Perforate	<input type="checkbox"/> Vent or Flare
<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Water Shut-Off	
Approximate date work will start _____	Date of work completion <u>08/12/97</u>
	Report results of b)Multiple Completions and b)Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.
	* Must be accompanied by a cement verification report.

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

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

13. Name & Signature: Bonnie Carson Title Senior Environmental Analyst Date 08/28/98

(This space for State use only) NO tax credit 8/98

2/10/91 Flwg 903 MCFD, 1 BWPD, FTP 720 psi.  
 Prod prior to frac: 336 MCFD. Final report.  
 DC: \$400 TC: \$62,700

**Clean Out**

2/26/91 Kill well. POOH w/prod string. MIRU Welltech rig #247.  
 DC: \$2,425 TC: \$2,425

2/27/91 POOH w/Mountain States cleanout tool. Kill well w/175 bbls 2% KCl. POOH w/164 jts 2-3/8" tbg. SLM = 5142.89'. PU Mountain States cleanout tool. TIH. Hit bridge @ 5589'. Clean out 5-1/2" csg to 5744'. Tool full. POOH w/10 stds tbg.  
 DC: \$3,359 TC: \$5,784

2/28/91 TIH & clean out. Kill well w/75 bbls 2% KCl water. POOH w/tbg & bailer. Clean out bailer. TIH w/bailer. Hit light bridges @ 5620'-5628', 5635'. Tagged hard sand @ 5652'. Clean out to 5683'. Bailer quit working. TOOH w/bailer. PU new bailer. TIH.  
 DC: \$3,295 TC: \$9,079

3/1/91 Clean out 5-1/2" casing. TIH w/mechanical bailer. Clean out sand to 5786'. Bailer quit. POOH. LD old bailer. PU hydrostatic bailer. TIH to 5786'. Bailed sand to 5953'. Bailer full. POOH. Redress bailer. TIH.  
 DC: \$3,245 TC: \$12,324

3/2/91 Prep to swab. TIH w/hydrostatic bailer. Tag sand @ 5743'. Clean out to 5980'. Bailer quit. POOH. Redress bailer. TIH. Tag sand @ 5965'. Bailed sand to 6046'. POOH w/bailer. TIH w/production string. Landed tbg @ 4712', SN @ 4680'.  
 DC: \$3,090 TC: \$15,414

3/3/91 Swabbing. Kill well. ND BOP's, NU WH. Ru swab equipment. Made 32 swab runs. FL @ 2000'. Recovered 192 bbls water. No flow. Total load to recover 900 bbls.  
 DC: \$1,929 TC: \$17,343

3/4/91 Flow/swab well. TP 950 psi, CP 900 psi. Well blew down in 30 mins. Made 15 swab runs. FL @ 3000'. Recover 200 bbls. No flow. Put soap in tubing. 518 BLTR.  
 DC: \$1,600 TC: \$18,943

3/5/91 RDMO SU. CP 1200 psi, tbg 1500 psi. Flow well to pit. Made 4 swab runs. FL @ 1000'-3000'. Recover 200 bbls wtr. Flow well to pit. 178 BLTR.  
 DC: \$1,715 TC: \$20,658

3/6/91 RDMO. Flow well to pit. FTP 250 psi, 20/64" choke.  
 DC: \$460 TC: \$21,118

3/7/91 Flowing 750 MCFD, FTP 500 psi, 20/64" choke. Wet gas.

3/8/91 Flowing 1000 MCFD, FTP 500 psi, 20/64" choke. Slight trace water.

Final report.

**Run Prism Log**

3/15/91 Shut well in. RU Dresser Atlas. Run Prism Log. Tag sand @ 5878', bottom perf @ 5997'. Log from 5878' to 4570'. Tagging material started in formation @ 5725' and up. No material in lower perms. Drop from report.  
 DC: \$8,656 TC: \$8,656

**Lower Tbg. Install PUE**

8/01/97 MIRU. ND WH, NU BOP. Broach tbg. PU tbg, tag @ 5867'. POOH. Land @ 5725'. ND BOP, NU tree. SDFN.  
 TC: \$ 6,117

8/02/97 Swbg. MI RU BJ Serv. PT lines to 2500 psi. Pmp 20 BBLs 2% KCl. Lead 700 gel 15% HCl w/inhibitor clay stab. Displ w/22 BBLs 2%. RD. Left acid across perfs/3 hrs. Install PLE. MIRU SU. IFL 4800'. Swb 62 BF/18 runs. FFL 4600'. SDFN. TC: \$13,413

8/03/97 Selling on line. SITP 125#, SICP 410#. IFL 4800'. Swb 24 BF/6 runs. Started to flow. Plunger trip six times. FFL 5100'. TC: \$14,424

8/04/97 Flwg 104 MCFD & 5 BWPD on a 40/64" chk, FTP 219, CP 307, LP 96#.

8/05/97 Flwg 119 MCFD & 10 BWPD on a 40/64" chk, FTP 320, FCP 386#, LP 113#.

8/06/97 Dwn 24 hrs (auto max not open).

8/07/97 Flwg 84 MCFD & 10 BWPD on a 40/64" chk, FTP 120#, CP 320#, LP 118#.

8/08/97 Flwg 70 MCFD & 10 BWPD on a 40/64" chk, FTP 252#, FCP 307#, LP 108#.

8/09/97 Flwg 114 MCFD & 10 BWPD on a 40/64" chk, FTP 324#, CP 356#, LP 114#.

8/10/97 Flwg 112 MCFD & 10 BWPD on a 40/64" chk, FTP 331#, FCP 352#, LP 146#.

8/11/97 Flwg 86 MCFD & 10 BWPD on a 40/64" chk, FTP 307#, CP 321#, LP 135#.

8/12/97 Flwg 71 MCFD & 1 BWPD on a 40/64" chk, FTP 180#, CP 273#, LP 121#.

**FINAL REPORT.**

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. Type of Well: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER:		6. Lease Designation and Serial Number: U-01194-ST
2. Name of Operator: Coastal Oil & Gas Corporation		6. If Indian, Allottee or Tribe Name: N/A
3. Address and Telephone Number: P.O. Box 749, Denver, CO 80201-0749 (303) 573-4476		7. Unit Agreement Name: Natural Buttes
4. Location of Well Footages: 1600' FSL & 661' FWL QQ, Sec., T., R., M.: NW/SW Section 26, T9S-R21E		8. Well Name and Number: NBU #60
		9. API Well Number: 43-047-31728
		10. Field and Pool, or Wildcat: Natural Buttes
		County: Uintah State: Utah

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

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

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

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

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

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon *                                   | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing                               | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans                             | <input type="checkbox"/> Perforate            |
| <input type="checkbox"/> Convert to Injection                        | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat or Acidize                   | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other Acdz, lwr tbg, install PLE |   |

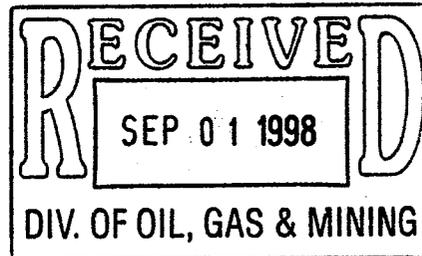
Date of work completion 08/12/97

Report results of bMultiple CompletionsÇ and bRecompletionsÇ to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

\* Must be accompanied by a cement verification report.

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

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



13. Name & Signature: Bonnie Carson Title: Senior Environmental Analyst Date: 08/28/98

(This space for State use only)

## CHRONOLOGICAL HISTORY

NBU #60  
Natural Buttes Unit  
Uintah County, Utah  
WI: 100.0% COGC  
TD: 6500' (WASATCH)  
CSG: 5-1/2" @ 6500'  
PERFS: 5307'-5997'  
CWC(M\$): \$15.0

### Lower Tbg, Install PLE

8/01/97      MIRU. ND WH, NU BOP. Broach tbg. PU tbg, tag @ 5867'. POOH. Land @ 5725'. ND BOP, NU tree. SDFN. TC: \$ 6,117

8/02/97      **Swbg.** MI RU BJ Serv. PT lines to 2500 psi. Pmp 20 BBLS 2% KCl. Lead 700 gel 15% HCl w/inhibitor clay stab. Displ w/22 BBLS 2%. RD. Left acid across perfs/3 hrs. Install PLE. MIRU SU. IFL 4800'. Swb 62 BF/18 runs. FFL 4600'. SDFN. TC: \$13,413

8/03/97      **Selling on line.** SITP 125#, SICP 410#. IFL 4800'. Swb 24 BF/6 runs. Started to flw. Plunger trip six times. FFL 5100'. TC: \$14,424

8/04/97      Flwg 104 MCFD & 5 BWPD on a 40/64" chk, FTP 219, CP 307, LP 96#.

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8/06/97      Dwn 24 hrs (auto max not open).

8/07/97      Flwg 84 MCFD & 10 BWPD on a 40/64" chk, FTP 120#, CP 320#, LP 118#.

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8/12/97      Flwg 71 MCFD & 1 BWPD on a 40/64" chk, FTP 180#, CP 273#, LP 121#.

**FINAL REPORT.**

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER:
2. NAME OF OPERATOR: El Paso Production Oil & Gas Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 68 South 1200 East CITY Vernal STATE Utah ZIP 84078		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: _____ COUNTY: _____ QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____ STATE: UTAH		8. WELL NAME and NUMBER: Exhibit "A"
PHONE NUMBER: 435-789-4433		9. API NUMBER:
		10. FIELD AND POOL, OR WILDCAT:

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

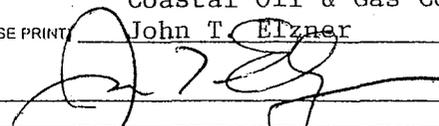
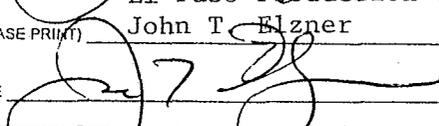
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input 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) John T. Elzner	TITLE Vice President
SIGNATURE 	DATE 06-15-01
El Paso Production Oil & Gas Company	
NAME (PLEASE PRINT) John T. Elzner	TITLE Vice President
SIGNATURE 	DATE 06-15-01

(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

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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

JUN 19 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*  
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**

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

<b>TO:</b> ( 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 301	43-047-32859	2900	25-09S-21E	STATE	GW	P
CIGE 234-25-9-21	43-047-32873	2900	25-09S-21E	STATE	GW	P
NBU 68	43-047-31089	2900	26-09S-21E	STATE	GW	P
NBU 88J	43-047-31233	2900	26-09S-21E	STATE	GW	P
<b>COG NBU 60</b>	43-047-31728	2900	26-09S-21E	STATE	GW	P
NBU 154	43-047-32003	2900	26-09S-21E	STATE	GW	P
NBU 224	43-047-32516	2900	26-09S-21E	STATE	GW	P
NBU 223	43-047-32517	2900	26-09S-21E	STATE	GW	P
NBU 258	43-047-32791	2900	26-09S-21E	STATE	GW	P
NBU 259	43-047-32792	2900	26-09S-21E	STATE	GW	P
NBU 302	43-047-32877	2900	26-09S-21E	STATE	GW	DRL
NBU 303	43-047-32878	2900	26-09S-21E	STATE	GW	P
NBU 321	43-047-33202	2900	26-09S-21E	STATE	GW	P
NBU 26	43-047-30252	2900	27-09S-21E	STATE	GW	P
NBU 57	43-047-30867	2900	27-09S-21E	STATE	GW	P
NBU 83J	43-047-31235	2900	27-09S-21E	STATE	GW	P
NBU 145	43-047-31976	2900	27-09S-21E	STATE	GW	P
NBU 158	43-047-31997	2900	27-09S-21E	STATE	GW	P
NBU 183	43-047-32122	2900	27-09S-21E	STATE	GW	P
NBU 214	43-047-32466	2900	27-09S-21E	STATE	GW	P

**OPERATOR CHANGES DOCUMENTATION**

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



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.

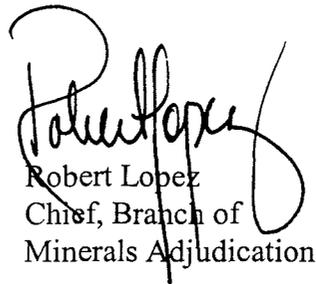
For our purposes, the name change is recognized effective December 31, 2001.

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.

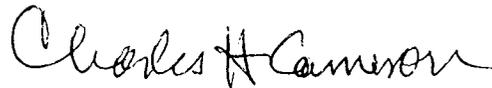
We have no objection.

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

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		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

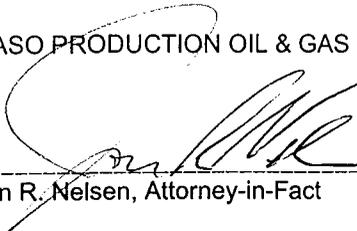
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input 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

NAME (PLEASE PRINT) WESTPORT OIL AND GAS COMPANY, L.P. 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

**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"

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

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

SUCCESSOR 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 recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zc. 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  
*Cheryl Cameron*

Date  
March 4, 2003

THIS SPACE FOR FEDERAL OR STATE USE

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

Office \_\_\_\_\_

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)

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. GLH
2. CDW ✓
3. FILE

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

Designation of Agent/Operator

Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective: **12-17-02**

<b>FROM: (Old Operator):</b>	<b>TO: (New Operator):</b>
EL PASO PRODUCTION OIL & GAS COMPANY	WESTPORT OIL & GAS COMPANY LP
Address: 9 GREENWAY PLAZA	Address: P O BOX 1148
HOUSTON, TX 77064-0995	VERNAL, UT 84078
Phone: 1-(832)-676-5933	Phone: 1-(435)-781-7023
Account No. N1845	Account No. N2115

**CA No. Unit: NATURAL BUTTES**

**WELL(S)**

NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
NBU 336-24E	24-09S-21E	43-047-32264	2900	FEDERAL	GW	P
NBU 386-24E	24-09S-21E	43-047-33056	2900	FEDERAL	GW	P
NBU CIGE 99D-25-9-21J	25-09S-21E	43-047-31223	2900	STATE	GW	P
CIGE 42-25-9-21	25-09S-21E	43-047-30492	2900	STATE	GW	P
CIGE 98D-25-9-21	25-09S-21E	43-047-31727	2900	STATE	GW	P
COG NBU 97-25E	25-09S-21E	43-047-31744	2900	STATE	GW	P
COG NBU 99	25-09S-21E	43-047-31745	2900	STATE	GW	P
NBU 111	25-09S-21E	43-047-31920	2900	FEDERAL	GW	P
CIGE 142-25-9-21	25-09S-21E	43-047-31994	2900	STATE	GW	P
NBU 167	25-09S-21E	43-047-32054	2900	STATE	GW	S
CIGE 234-25-9-21	25-09S-21E	43-047-32873	2900	STATE	GW	P
NBU 301	25-09S-21E	43-047-32859	2900	STATE	GW	P
NBU 320	25-09S-21E	43-047-33201	2900	STATE	GW	APD
CIGE 235-25-9-21	25-09S-21E	43-047-32858	2900	STATE	GW	P
NBU 257	25-09S-21E	43-047-32790	2900	STATE	GW	P
UTE TRAIL U ST 11	25-09S-21E	43-047-15380	2900	STATE	GW	PA
CIGE 172-25-9-21	25-09S-21E	43-047-32325	2900	STATE	GW	P
NBU 154	26-09S-21E	43-047-32003	2900	STATE	GW	P
COG NBU 60	26-09S-21E	43-047-31728	2900	STATE	GW	P
NBU 15	26-09S-21E	43-047-30204	2900	FEDERAL	GW	P

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 02/28/2003
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 03/04/2003
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 03/06/2003
4. Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181
5. If **NO**, the operator was contacted on: \_\_\_\_\_

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

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: 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: 03/12/2003
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 03/12/2003
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:**

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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.  
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

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

95 21 E 26 4304731728

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.

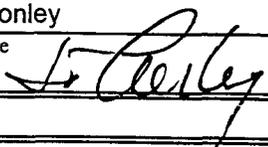
Westport Oil & gas requests approval of this variance in order to increase the value of the well to the operator and the mineral royalty owners.

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

Name (Printed/Typed)

J.T. Conley

Signature



COPY SENT TO OPERATOR

Date: 9-16-03

Initials: JTC Date: 9-2-2003

Title

Operations Manager

SEP 10 2003

DIV OF OIL GAS & MINING

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Accepted by the  
Utah Division of  
Oil, Gas and Mining

Date

Federal Approval of This  
Action Is Necessary

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

Office

Date: 9/16/03

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.

# Westport Oil & Gas, L.P.

## Project Economics Worksheet

### Instructions:

Fill in blue boxes 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
PULLING 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
<b>Totals</b>	<b>\$0</b>	<b>\$350</b>	<b>\$350</b>

**Increased OPX Per Year**

### Investment Breakdown:

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

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

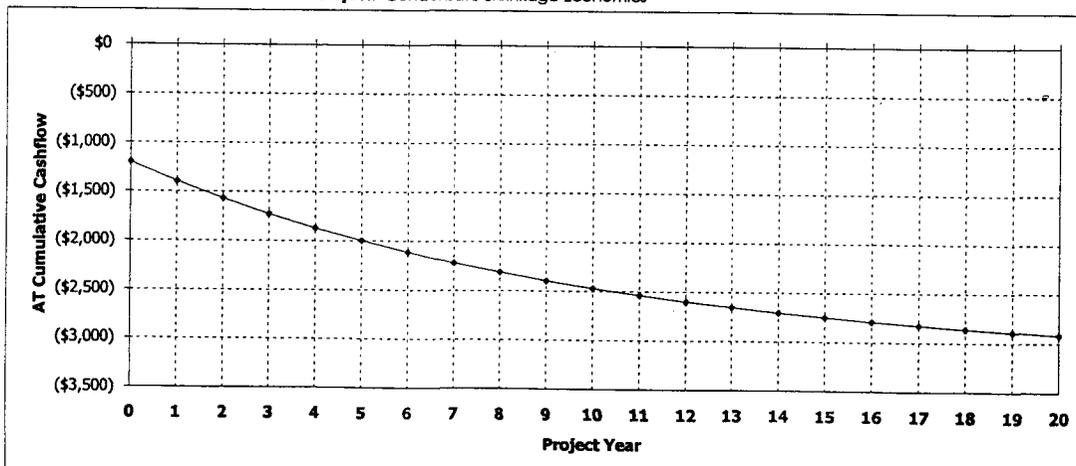
### Gross Reserves:

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

### Notes/Assumptions:

**An average N&U well produces 0.192 Bcpd with no tank pressure. The production is increased to 0.196 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

WELL	LEGALS	STFLEASENO	CANUMBER	APINO
NBU 058N2	27-10-22 NENW	UTU473	891008900A	430473083800S1
NBU 060	26-9-21 NWSW	U01194	891008900A	430473172800S1 ✓
NBU 062N3	16-10-21 SENW	ML10755	891008900A	430473090900S1
NBU 063N3	12-9-21 SWNW	UTU0141317	891008900A	430473109700S1
NBU 064N3	8-9-21 NESE	UTU0575B	891008900A	430473109800S1
NBU 065N3	14-9-21 SESW	UTU01193	891008900A	430473109900S1
NBU 067A	4-10-22 SWNE	UTU01191	891008900A	430473173700S1
NBU 068N2	26-9-21 NESE	ML22934	891008900A	430473108900S1 ✓
NBU 069N2	35-9-21 SWSW	U01194	891008900A	430473109000S1 ✓
NBU 070N3	3-10-22 SWNW	UTU01191	891008900A	430473110000S1
NBU 072N3	12-10-20 NWNW	UTU4478	891008900A	430473108800S1
NBU 074N3	24-10-20 SWNE	ML22790	891008900A	430473108700S1
NBU 075N3	20-10-21 NENE	UTU02278	891008900A	430473110300S1
NBU 078	30-9-22 NWNW	U463	891008900A	430473176200S1
NBU 080V	34-9-22 NWSW	UTU0149077	891008900A	430473124000S1
NBU 081V	35-9-21 SWNW	U01194	891008900A	430473123200S1 ✓
NBU 083J	27-9-21 NESW	U01194A	891008900A	430473123500S1 ✓
NBU 084V	6-10-22 NWNE	UTU01195B	891008900A	430473124500S1
NBU 085J	4-10-22 SWNW	UTU01191A	891008900A	430473124600S1
NBU 086J	3-10-22 NENE	UTU01191A	891008900A	430473125100S1
NBU 087J	3-10-22 NESW	UTU01191	891008900A	430473125000S1
NBU 088V	26-9-21 NENE	U01194	891008900A	430473123300S1 ✓
NBU 093	33-9-22 NESE	UTU01191A	891008900A	430473175300S1
NBU 097	25-9-21 NENW	U01189	891008900A	430473174400S1 ✓
NBU 098V	34-9-21 SWSW	U01194A	891008900A	430473132700S1 ✓
NBU 099	25-9-21 SWSW	U01194	891008900A	430473174500S1 ✓
NBU 101	3-10-21 NWSE	UTU0149078	891008900A	430473175500S1
NBU 102	5-10-21 SESW	UTU01393D	891008900A	430473175700S1
NBU 1021-16G	16-10-21 SWNE	ML10755	891008900A	430473511100S1 ✓
NBU 1021-20	2-10-21 SWSE	ML13826	891008900A	430473511000S1 ✓
NBU 103	10-9-21 SENW	U0141315	891008900A	430473195600S1
NBU 104	16-9-21 SENE	ML3282	891008900A	430473195700S1
NBU 105	17-9-21 SWSW	UTU0575	891008900A	430473230200S1
NBU 106	21-9-21 NESW	UTU0576	891008900A	430473194600S1
NBU 107	26-9-21 SENW	U01194	891008900A	430473191600S1
NBU 108	19-9-22 SESE	UTU0284	891008900A	430473195800S1
NBU 109	27-9-21 SENE	U01194A	891008900A	430473191700S1 ✓
NBU 110	28-9-21 NENE	U05676	891008900A	430473192400S1
NBU 111	25-9-21 SWNW	U01194	891008900A	430473192000S1 ✓
NBU 112	33-9-22 SESE	UTU01191	891008900A	430473193000S1
NBU 113	34-9-22 SESE	UTU0149077	891008900A	430473193100S1
NBU 114	5-10-21 SWSW	UTU01393D	891008900A	430473192300S1
NBU 115	10-10-21 NENW	UTU0149079	891008900A	430473192900S1
NBU 116	6-10-22 NWNW	UTU464	891008900A	430473192500S1
NBU 117	10-10-22 NENE	U01197A	891008900A	430473191400S1
NBU 118	22-9-20 SENE	UTU0577B	891008900A	430473196900S1
NBU 119	22-9-20 SENW	UTU0577B	891008900A	430473197300S1
NBU 120	10-9-21 NWNW	U0141315	891008900A	430473197200S1
NBU 121	13-9-21 NWNE	U01193	891008900A	430473208600S1
NBU 122	13-9-21 SESE	U01193	891008900A	430473230300S1
NBU 123	15-9-21 NWNW	UTU01188	891008900A	430473197400S1
NBU 124	16-9-21 NWNE	ML3282	891008900A	430473197100S1
NBU 125	17-9-21 SESE	UTU0575	891008900A	430473235000S1
NBU 126	21-9-21 SENW	UTU0576	891008900A	430473234900S1
NBU 127	21-9-21 SWNW	UTU0576	891008900A	430473196300S1
NBU 128	21-9-21 SWSW	UTU0576	891008900A	430473196400S1
NBU 129	22-9-21 SENE	UTU010950A	891008900A	430473196500S1
NBU 130	22-9-21 SWNW	UTU0147566	891008900A	430473196700S1
NBU 131	23-9-21 NWSW	UTU0149075	891008900A	430473196600S1
NBU 132	26-9-21 NWNW	U01194	891008900A	430473193800S1 ✓
NBU 133	28-9-21 SWNE	U05676	891008900A	430473195000S1
NBU 134	28-9-21 SWSW	U05676	891008900A	430473201100S1
NBU 136	19-9-22 SWSE	UTU0284	891008900A	430473196800S1
NBU 137	30-9-22 SESE	ML22935	891008900A	430473193900S1 ✓
NBU 138A	33-9-22 SENE	UTU01191A	891008900A	430473215100S1
NBU 139	14-10-21 SWNE	UTU465	891008900A	430473194800S1
NBU 140	5-10-22 NWNE	UTU01191A	891008900A	430473194700S1
NBU 141	6-10-22 SENW	UTU464	891008900A	430473201700S1
NBU 142	10-10-22 NESE	UTU025187	891008900A	430473201300S1
NBU 143	10-9-21 SWNE	U0141315	891008900A	430473229700S1
NBU 144	23-9-21 NWNW	UTU0149075	891008900A	430473204400S1
NBU 145	27-9-21 NWNE	U01194A	891008900A	430473197600S1 ✓
NBU 146	14-10-21 SWNW	UTU465	891008900A	430473198500S1
NBU 147	4-10-22 NWSW	UTU01191	891008900A	430473198400S1
NBU 148	4-10-22 SESW	UTU01191	891008900A	430473198300S1

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

<b>ROUTING</b>
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

<b>FROM:</b> (Old Operator): N2115-Westport Oil & Gas Co., LP 1368 South 1200 East Vernal, UT 84078 Phone: 1-(435) 781-7024	<b>TO:</b> ( 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
- Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181
- If **NO**, the operator was contacted on: \_\_\_\_\_
- (R649-9-2)Waste Management Plan has been received on: IN PLACE
- Inspections of LA PA state/fee well sites complete on: n/a 3 LA wells & all PA wells transferred
- 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
- 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 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 <b>CHANGE OF OPERATOR</b>

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**

DIV. OF OIL, GAS & MINING

*BLM BOND = C01203  
BIA BOND = RLB0005239*

**APPROVED 5116106**

*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) <b>RANDY BAYNE</b>	Title <b>DRILLING MANAGER</b>
Signature <i>Randy Bayne</i>	Date <b>May 9, 2006</b>

**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.*

5. Lease Serial No.  
**MULTIPLE LEASES**

6. If Indian, Allottee or Tribe Name

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

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well  
 Oil Well  Gas Well  Other

8. Well Name and No.  
**MUTIPLE WELLS**

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

9. API Well No.

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

10. Field and Pool, or Exploratory Area

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

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 <b>CHANGE OF OPERATOR</b>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed 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) <b>BRAD LANEY</b>	Title <b>ENGINEERING SPECIALIST</b>
Signature	Date <b>May 9, 2006</b>

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by <i>Brad Laney</i>	Title	Date <b>5-9-06</b>
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.

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-01194-ST
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> NBU 60
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>9. API NUMBER:</b> 43047317280000
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6007 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1600 FSL 0661 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSW Section: 26 Township: 09.0S Range: 21.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES  <b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 5/28/2010	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> 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"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input checked="" type="checkbox"/> TEMPORARILY 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: _____

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

THE OPERATOR REQUESTS AUTHORIZATION TO TEMPORARILY ABANDON THE SUBJECT WELL LOCATION. THE OPERATOR PROPOSES TO TEMPORARILY ABANDON THE WELL TO DRILL THE NBU 921-26L PAD, WHICH CONSISTS OF THE NBU 921-26L4AS, NBU 921-26L4CS, NBU 921-26L2BS, AND NBU 921-26L3BS. PLEASE REFER TO THE ATTACHED TEMPORARILY ABANDON PROCEDURE.

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

**Date:** June 09, 2010

**By:** *Derek [Signature]*

<b>NAME (PLEASE PRINT)</b> Andy Lytle	<b>PHONE NUMBER</b> 720 929-6100	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A		<b>DATE</b> 5/26/2010

# Wellbore Diagram

API Well No: 43-047-31728-00-00    Permit No:    Well Name/No: NBU 60  
 Company Name: KERR-MCGEE OIL & GAS ONSHORE, L.P.  
 Location: Sec: 26 T: 9S R: 21E Spot: NWSW  
 Coordinates: X: 625875 Y: 4429064  
 Field Name: NATURAL BUTTES  
 County Name: UINTAH

### String Information

String	Bottom (ft sub)	Diameter (inches)	Weight (lb/ft)	Length (ft)	Capacity (cf/cf)
HOL1	260	12.25			
SURF	260	8.625	24		
HOL2	6500	7.875			
PROD	6500	5.5	17		7.661

### Cement Information

String	BOC (ft sub)	TOC (ft sub)	Class	Sacks
PROD	6500	350	HC	450
PROD	6500	350	50	1020
SURF	260	0	T2	160

### Perforation Information

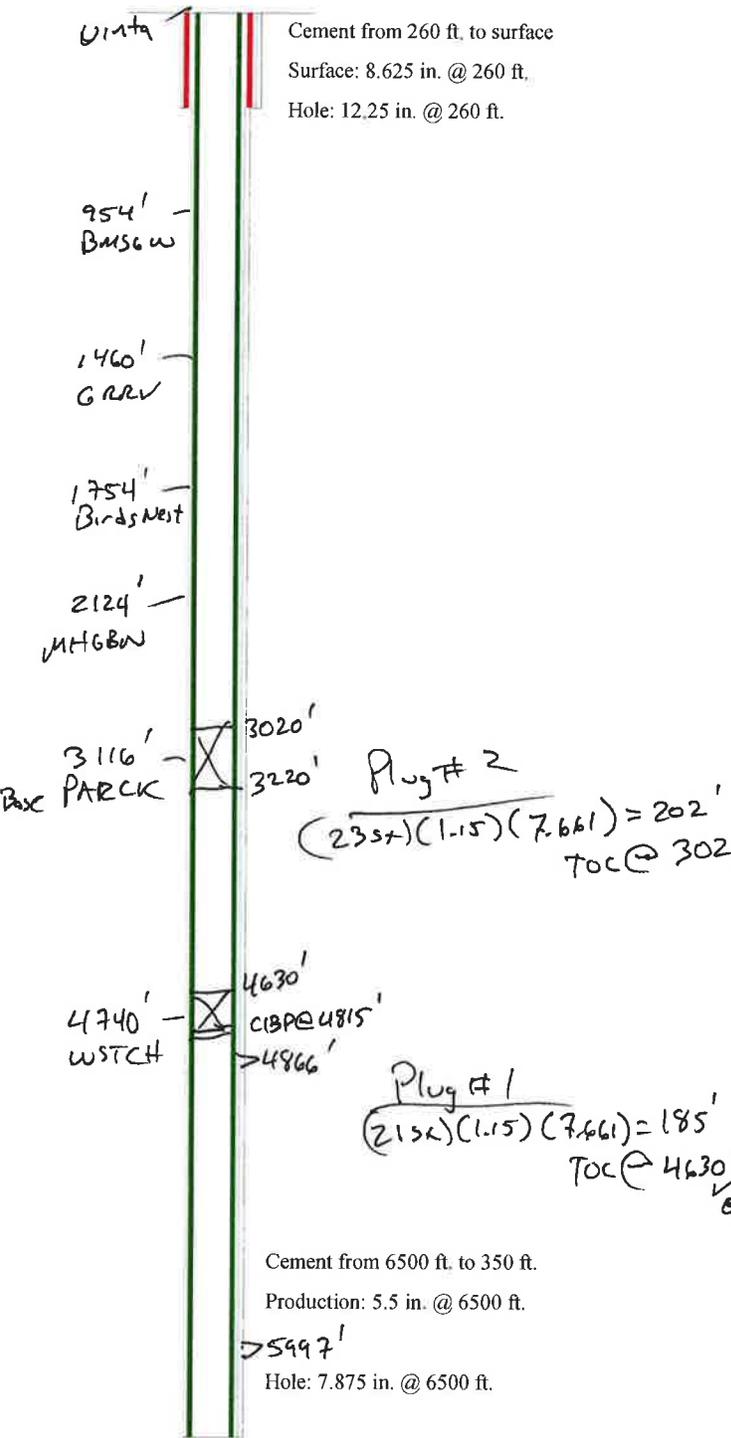
Top (ft sub)	Bottom (ft sub)	Shts/Ft	No Shts	Dt Squeeze
4866	5997			

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

Date: June 09, 2010  
 By: [Signature]

### Formation Information

Formation	Depth
UNTA	0
BMSW	954
GRRV	1460
TRONA	1754
MHGBN	2124
PARCK	3116
WSTC	4740



TD: 6500 TVD:    PBTD:

NBU 60  
 1600' FSL & 661' FWL  
 NWSW SEC.26, T9S, R21E  
 Uintah County, UT

KBE:	4954'	API NUMBER:	43-047-31728
GLE:	4940'	LEASE NUMBER:	U-01194-ST
TD:	6500'	WINS #:	72217
PBTD:	6357'	WI:	100.0000%
		NRI:	81.494445%

**CASING:** 12 1/4" hole  
 8 5/8" 24# K-55 @ 260' (GL)  
 Cement w/ 160 sx Class G, Cmt circulated to surface

7.875" hole  
 5 1/2" 17# K/J-55 & N-80 @ 6500'  
 Cement w/ 1470 sks, No cmt circulated  
 TOC @ 1000' per CBL

**TUBING:** 2 3/8" 4.7# J-55 tubing landed at 5716'

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	0.02173	0.0039
5.5" 17# J-55	4.892	4910	5320	0.9764	0.1305	0.02324
8.625" 24# J-55	7.972	1370	3930	2.6749	0.3537	0.0636
<b>Annular Capacities</b>						
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	1464'
Bird's Nest	1754'
Mahogany	2124'
Base of Parachute	3116'
Wasatch	4739'

**Tech. Pub. #92 Base of USDW's**

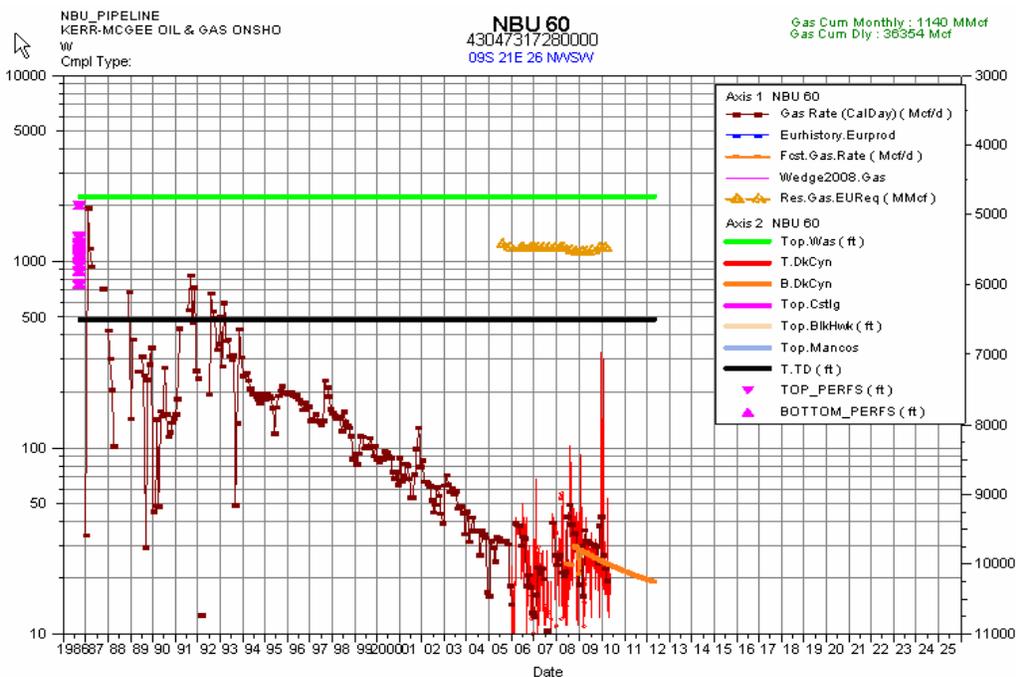
USDW Elevation	4000' MSL
USDW Depth	954' KBE

**PERFORATIONS:**

Formation	Date	Top	Spf	Status
Wasatch	Jan-91	4866	1	Open
Wasatch	Sep-86	5307	1	Open
Wasatch	Sep-86	5315	1	Open
Wasatch	Sep-86	5324	1	Open
Wasatch	Jan-91	5432	1	Open
Wasatch	Sep-86	5490	1	Open
Wasatch	Jan-91	5494	1	Open
Wasatch	Sep-86	5504	1	Open
Wasatch	Sep-86	5562	1	Open
Wasatch	Sep-86	5578	1	Open
Wasatch	Sep-86	5589	1	Open
Wasatch	Sep-86	5596	1	Open
Wasatch	Sep-86	5713	1	Open
Wasatch	Sep-86	5719	1	Open
Wasatch	Sep-86	5725	1	Open
Wasatch	Jan-91	5804	1	Open
Wasatch	Sep-86	5807	1	Open
Wasatch	Sep-86	5812	1	Open
Wasatch	Sep-86	5986	1	Open
Wasatch	Sep-86	5997	1	Open

**WELL HISTORY:**

- Spud Well 8/6/86, TD'd 8/19/86
- 8/28/86 - Perforate gross Wasatch interval from 5307' - 5997'. Frac interval w/ 115,000 gals gel & 200,000# 20/40 sand.
- 12/3/92 - First Sales 1346 Mcfd, 0 BOPD, 0 BWPD, FTP 1500#, SICP 1650#, 12/64" CK
- 1/21/91 - Recomplete Upper Wasatch zones, 4866', 5432', 5494' & 5804'. Frac w/ 70,045 gal 70% CO2 foam and 120,000# 20/40 sand.
- 2/26/91 - Clean out casing w/ hydrostatic bailer and swab well on.
- 8/1/97 - Lower tubing and install plunger lift equipment



## **NBU 60 TEMPORARY 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 UDOGM 24 HOURS BEFORE MOVING ON LOCATION.

### **PROCEDURE**

**Note: An estimated 21 sx Class "G" cement needed for procedure**

**Note: No Gyro ran as of 5/26/10**

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 AND PREP FOR GYRO.
3. RUN GYRO SURVEY.
4. **PLUG #1, ISOLATE WASATCH PERFORATIONS (4866' - 5997') & PROTECT WASATCH TOP (4739')**: RIH W/ 5 ½" CIBP. SET @ ~4815'. RELEASE CIBP, PUH 10', BRK CIRC W/ FRESH WATER. DISPLACE A MINIMUM OF 23.49 CUFT CMT (~21 SX) ON TOP OF PLUG. PUH ABOVE TOC (~4635'). REVERSE CIRCULATE W/ TREATED FRESH WATER.
5. **PLUG #2, PROTECT BASE OF PARACHUTE (~3116')**: PUH TO ~3220'. BRK CIRC W/ FRESH WATER. DISPLACE 26.75 CUFT. (23 SX) AND BALANCE PLUG W/ TOC @ ~3015' (205' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED FRESH WATER.
6. LOWER WELLHEAD TO GROUND LEVEL TO ACCOMMODATE DRILLING OPS AND INSTALL MARKER PER BLM GUIDELINES.
7. RDMO. TURN OVER TO DRILLING OPERATIONS.

ALM 5/26  
/10

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-01194-ST
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> NBU 60
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>9. API NUMBER:</b> 43047317280000
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6007 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1600 FSL 0661 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSW Section: 26 Township: 09.0S Range: 21.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES  <b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion: 6/22/2010	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input checked="" 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: _____

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

THE OPERATOR HAS CONCLUDED THE TEMPORARILY ABANDON OPERATIONS ON THE SUBJECT WELL LOCATION ON 6/22/2010. THE OPERATOR HAS TEMPORARILY ABANDONED THE WELL TO DRILL THE NBU 921-26L PAD, WHICH CONSISTS OF THE NBU 921-26L4AS, NBU 921-26L4CS, NBU 921-26L2BS, AND NBU 921-26L3BS. PLEASE REFER TO THE ATTACHED TEMPORARILY ABANDON CHORONOLOGICAL WELL HISTORY.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 June 28, 2010

<b>NAME (PLEASE PRINT)</b> Andy Lytle	<b>PHONE NUMBER</b> 720 929-6100	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A		<b>DATE</b> 6/23/2010

**US ROCKIES REGION**  
**Operation Summary Report**

Well: NBU 60				Spud Date:				
Project: UTAH-UINTAH			Site: NBU 60			Rig Name No: MILES 2/2		
Event: ABANDONMENT			Start Date: 6/21/2010		End Date: 6/22/2010			
Active Datum: RKB @0.00ft (above Mean Sea Level)				UWI: NBU 60				
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
6/21/2010	7:00 - 7:30	0.50	ABAND	48		P		MIRU
	7:30 - 17:00	9.50	ABAND	45				MIRU, 150# CSG, 150# TBG, KILL WELL WITH 20 BBLSTBG, 30 BBLs CSG, TMAC, NDWH, NU BOP'S, TEST BOP'S, UNLAND TBG, SCAN TBG OOH. STD BACK 77 STDS, LD 29 JTS, 0 YB, 2 BB 63.70' 181 RB 5652.3'. 183 JTS TOTAL, 5716'. RD PRS, SWIFN
6/22/2010	7:00 - 7:30	0.50	ABAND	48		P		CEMENTING
	7:30 - 15:00	7.50	ABAND	51		P		KILL WELL WITH 20 BBLs TMAC, RU CUTTERS, RIH GAUGE RING TO 4840', POOH PU CIBP, RIH TO 4805', SET CIBP, POOH, RD CUTTERS, RIH WITH 77 STDS TBG TO 4805', RU PRO PETRO, BREAK CICR WITH 112 BBLs TMAC, PRESSURE TEST TO 500# FOR 5 MIN, ALL CEMENT PUMPED IS CLASS G, 1.145 YIELD, 15-8# DENISTY, 4.9 GW/SX, PUMP 1ST PLUG, 5 BBLs FRESH WATER, 21 SX, 4.3 BBLs, 24.045 CF CEMENT, DISPLACE WITH 1 BBL FRESH, 16.8 BBLs TMAC, POOH LD 51 JTS TO 3220', PUMP 5 BBLs FRESH, 23 SX, 4.7 BBLs, 26.335 CF CEMENT, DISPLACE WITH 1 BBL FRESH WATER, 10.6 BBLs TMAC, RD PRO PETRO, POOH LD TBG, ND BOP'S, CAP WELL, RDMO

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-01194-ST
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> NBU 60
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>9. API NUMBER:</b> 43047317280000
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<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1600 FSL 0661 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSW Section: 26 Township: 09.0S Range: 21.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES  <b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 11/11/2010  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input 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: 50px;" 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 Green River formation in this well. The Wasatch formation will be plugged back and this well location will longer be producing unitized gas. Therefore, the operator requests to change the well name to the State 921-26L GR. Please find attached a Recompletion procedure, revised survey plats with the new well name and an exception location letter.

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

**Date:** 11/18/2010

**By:** *Daniel Piernot*

<b>NAME (PLEASE PRINT)</b> Danielle Piernot	<b>PHONE NUMBER</b> 720 929-6156	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A		<b>DATE</b> 11/8/2010

# Greater Natural Buttes Unit



## **NBU 60** **RE-COMPLETIONS PROCEDURE**

**DATE:10/19/10**  
**AFE#:**

**COMPLETIONS ENGINEER:** Michael Sollee, Denver, CO  
(720)-929-6057 (Office)  
(832)-589-0515 (Cell)

**SIGNATURE:**

**ENGINEERING MANAGER:** JEFF DUFRESNE

**SIGNATURE:**

**REMEMBER SAFETY FIRST!**

**Name:** NBU 60  
**Location:** NW SW Sec 26 T9S R21E  
**Uintah County, UT**  
**Date:** **10/19/2010**

**ELEVATIONS:** 4940 GL 4954 KB

**TOTAL DEPTH:** 6500 **PBTD:** 6357  
**SURFACE CASING:** 8 5/8", 24# K-55 ST&C @ 260'  
**PRODUCTION CASING:** 5 1/2", 17#, J-55, K-55 & N-80 LT&C @ 6500'  
 Marker Joint

**TUBULAR PROPERTIES:**

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES	
				(bbl/ft)	(gal/ft)
2 7/8" 6.5# J-55 tbg	7,260	7,680	2.347"	0.00579	0.2431
5 1/2" 17# K-55 (See above)	5320	4910	4.767"	0.0232	0.9764
2 7/8" by 5 1/2" Annulus				0.0152	0.6392

**TOPS:**

1460' Green River  
 1754' Birds Nest  
 2124' Mahogany  
 4740' Wasatch  
 6500' Bottom of Wasatch (TD)

CBL indicates good cement below 1000'

**GENERAL:**

- **We will be fracing through 2 7/8" tubing with a packer in 5 1/2" J-55 17# casing.**
- A minimum of **6** tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Dresser Atlas Induction-Density-Neutron log dated 8/20/86
- **1** fracturing stages required for coverage.
- Procedure calls for **1** CIBP's (**10000** psi).
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Pump scale inhibitor at 3 gal/1000 during pad and sand ramp up to 1.25 ppg. Pump at 10 gal/1000 during flush.
- 30/50 mesh Ottawa sand, **Slickwater Frac.**
- Maximum surface pressure **6200** psi.

- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). Stage acid and scale inhibitor if necessary to cover the next perforated interval.
- **Call flush at 0 PPG @ inline densimeters. Slow to 5 bbl/min over last 10-20 bbls of flush. Flush to top perf.**
- Service companies need to provide surface/production annulus pop-offs to be set for 1500 psi for each frac.
- Pump 20/40 mesh **resin coated sand** last 5,000# of stage
- NO TUBING IN HOLE
- CEMENT PLUGS from 3015-3220 and 4635-4815.
- Originally completed on 8/28/86

**Existing Perforations:**

Formation	Date	Top	Spf	Status
Wasatch	Jan-91	4866	1	Open
Wasatch	Sep-86	5307	1	Open
Wasatch	Sep-86	5315	1	Open
Wasatch	Sep-86	5324	1	Open
Wasatch	Jan-91	5432	1	Open
Wasatch	Sep-86	5490	1	Open
Wasatch	Jan-91	5494	1	Open
Wasatch	Sep-86	5504	1	Open
Wasatch	Sep-86	5562	1	Open
Wasatch	Sep-86	5578	1	Open
Wasatch	Sep-86	5589	1	Open
Wasatch	Sep-86	5596	1	Open
Wasatch	Sep-86	5713	1	Open
Wasatch	Sep-86	5719	1	Open
Wasatch	Sep-86	5725	1	Open
Wasatch	Jan-91	5804	1	Open
Wasatch	Sep-86	5807	1	Open
Wasatch	Sep-86	5812	1	Open
Wasatch	Sep-86	5986	1	Open
Wasatch	Sep-86	5997	1	Open

**PROCEDURE:**

1. MIRU. Control well with recycled water and biocide as required. ND WH, NU BOP's and test.
2. PU and RIH with 2-3/8", 4.7#, J-55 (or N-80) tubing and bit and tag cement plug at 3015
3. Drill through cement plug and clean out to 4635 (120' below bottom perf). POOH

4. MIRU wireline and P/U 10K CIBP and RIH. Set CIBP at 4615 (100' below bottom perf) and dump bail 2 sacks of cement.
5. Pressure test casing and CIBP to 2000 psi.
6. P/U perf guns and RIH. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:
 

Zone	From	To	spf	# of shots
GREENRIVER	4499	4502	3	9
GREENRIVER	4509	4511	3	6
7. Breakdown this perf set by pumping in to formation.
8. PUH and perf the following 3-3/8" gun, 23 gm, 0.36"hole:
 

Zone	From	To	spf	# of shots
GREENRIVER	4455	4460	2	10
9. PU 2-7/8" L-80 tubing and packer and RIH to 4425 and set packer.
10. Breakdown perfs and establish injection rate. Frac as outlined in Stage 1 on attached listing. Flush to top perf at 4455'.
11. Shut well in overnight. Slowly open well and flowback in am. If necessary, MIRU swab unit and swab down tubing in hole.
12. RDMO

**For design questions, please call  
 Michael Sollee, Denver, CO  
 (720)-929-6057 (Office)  
 (832)-589-0515 (Cell)**

**For field implementation questions, please call  
 Jeff Samuels Vernal, UT  
 435-781-9770 (Office)**

NOTES:

Name NBU 60  
 Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
1	GREENRIVER	4455	4460	2	10	4450	to	4465
	GREENRIVER	4499	4502	3	9	4495	to	4515
	GREENRIVER	4509	4511	3	6			
	GREENRIVER							
	GREENRIVER							
	GREENRIVER							
	GREENRIVER							
	GREENRIVER							
	# of Perfs/stage				25	CBP DEPTH	4,405	
	Totals				25			



# T9S, R21E, S.L.B.&M.

Found 2006 Aluminum Cap in Pile of Stones Under E/W Fence

N89°27.4'W - 40.223 (G.L.O.)  
N89°25'15"W - 2654.75' (Meas.)

S89°54.5'W - 40.028 (G.L.O.)  
S89°56'29"W - 2641.83' (Meas.)

Found 2006 Aluminum Cap, Pile of Stones.

Found 2006 Aluminum Cap in Pile of Stones Under E/W Fence

N00°03'25"W - 2644.00' (Meas.)

N00°08'23"W (Basis of Bearings)  
2641.52' (Measured)

N0°01'W (G.L.O.)

Found Uintah County Aluminum Cap in Pile of Stones.

STATE 921-26L GR (Proposed Well Head)  
NAD 83 LATITUDE = 40.004184° (40° 00' 15.063")  
LONGITUDE = 109.526027° (109° 31' 33.697")  
NAD 27 LATITUDE = 40.004219° (40° 00' 15.189")  
LONGITUDE = 109.525339° (109° 31' 31.222")

26

**WELL LOCATION:  
STATE 921-26L GR**

ELEV. GRADED GROUND = 4938.1'

Found 1" Aluminum Cap on 5/8" Rebar. Pile of Stones.

N00°04'14"W - 2637.48' (Meas.)  
N0°01'W (G.L.O.)

662' Proposed Well

1604'

Found Uintah County Aluminum Cap in Pile of Stones.

N89°47'37"W - 2646.18' (Meas.)

Found Uintah County Aluminum Cap in Pile of Stones.

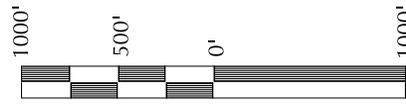
N89°47'25"W - 2645.99' (Meas.)

West - 80.00 (G.L.O.)

Found 1 Aluminum Cap on 5/8" Rebar. Pile of Stones.

**NOTES:**

- ▲ = Section Corners Located
- 1. Well footages are measured at right angles to the Section Lines.
- 2. G.L.O. distances are shown in feet or chains.  
1 chain = 66 feet.
- 3. Bearings are based on Global Positioning Satellite observations.
- 4. Basis of elevation is Tri-Sta "Two Water" located in the NW ¼ of Section 1, T10S, R21E, S.L.B.&M. The elevation of this Tri-Sta is shown on the Big Pack Mtn NE 7.5 Min. Quadrangle as being 5238'.



SCALE



**SURVEYOR'S 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.

PROFESSIONAL LAND SURVEYOR  
No. 6028691  
JOHN R. SLAUGHTER  
REGISTERED LAND SURVEYOR  
REGISTRATION No. 6028691  
STATE OF UTAH

**Kerr-McGee Oil & Gas Onshore, LP**  
1099 18th Street - Denver, Colorado 80202

**WELL PAD - NBU 921-26L**

**STATE 921-26L GR  
WELL PLAT  
1604' FSL, 662' FWL  
NW ¼ SW ¼ OF SECTION 26, T9S, R21E,  
S.L.B.&M., UTAH COUNTY, UTAH.**

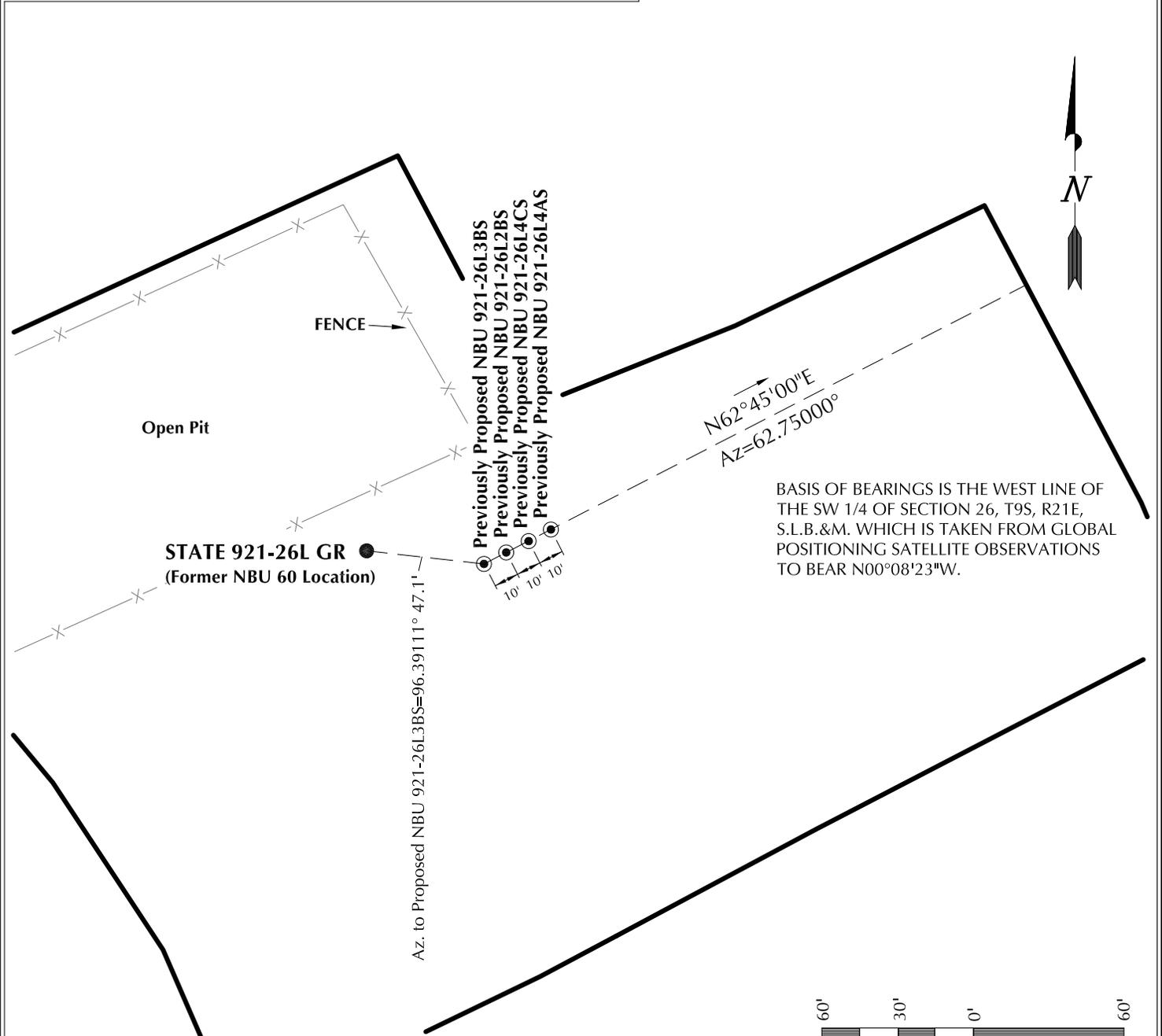
**609**  
**CONSULTING, LLC**  
2155 North Main Street  
Sheridan WY 82801  
Phone 307-674-0609  
Fax 307-674-0182

**TIMBERLINE** (435) 789-1365  
ENGINEERING & LAND SURVEYING, INC.  
209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE SURVEYED: 09-22-10	SURVEYED BY: M.S.B.	SHEET NO: <b>1</b> 1 OF 9
DATE DRAWN: 09-29-10	DRAWN BY: M.W.W.	
SCALE: 1" = 1000'		
Date Last Revised:		

**RECEIVED** November 08, 2010

WELL NAME	SURFACE POSITION				FOOTAGES
	NAD83		NAD27		
	LATITUDE	LONGITUDE	LATITUDE	LONGITUDE	
STATE 921-26L GR	40°00'15.063"	109°31'33.697"	40°00'15.189"	109°31'31.222"	1604' FSL 662' FWL
NBU 921-26L4AS	40°00'15.147"	109°31'32.752"	40°00'15.274"	109°31'30.277"	1612' FSL 736' FWL
NBU 921-26L4CS	40°00'15.102"	109°31'32.866"	40°00'15.228"	109°31'30.391"	1608' FSL 727' FWL
NBU 921-26L2BS	40°00'15.057"	109°31'32.981"	40°00'15.183"	109°31'30.506"	1603' FSL 718' FWL
NBU 921-26L3BS	40°00'15.011"	109°31'33.095"	40°00'15.138"	109°31'30.620"	1599' FSL 709' FWL



**Kerr-McGee Oil & Gas Onshore, LP**  
 1099 18th Street - Denver, Colorado 80202

**WELL PAD - NBU 921-26L**

**WELL PAD INTERFERENCE PLAT  
 WELLS -STATE 921-26L GR  
 LOCATED IN SECTION 26, T9S, R21E,  
 S.L.B.&M., UTAH COUNTY, UTAH.**

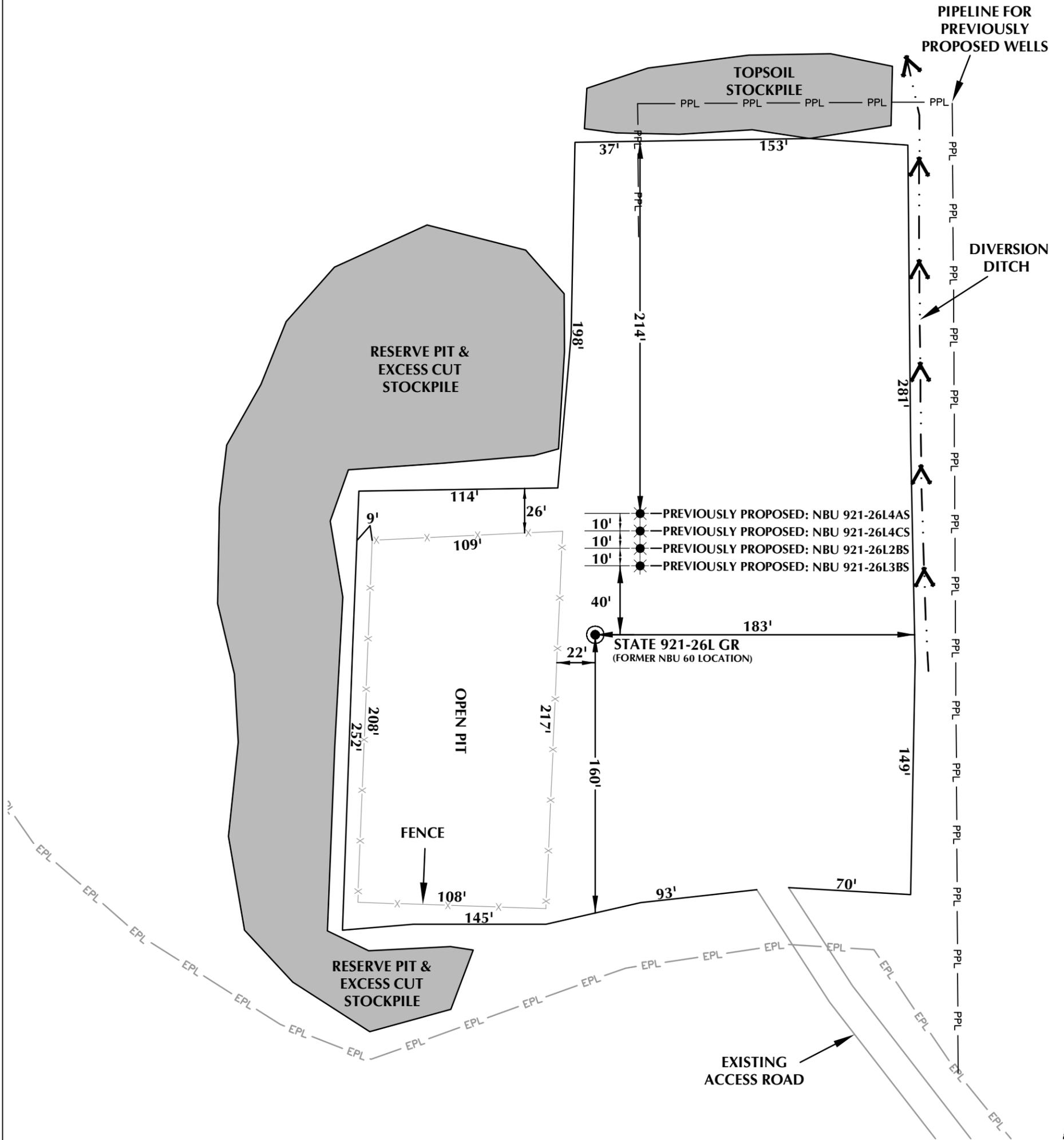


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<b>TIMBERLINE</b>		(435) 789-1365
ENGINEERING & LAND SURVEYING, INC.		
209 NORTH 300 WEST - VERNAL, UTAH 84078		
DATE SURVEYED: 09-22-10	SURVEYED BY: M.S.B.	SHEET NO: <b>2</b>
DATE DRAWN: 09-29-10	DRAWN BY: M.W.W.	
SCALE: 1" = 60'	Date Last Revised:	2 OF 9

**RECEIVED** November 08, 2010

PLEASE NOTE: LOCATIONS OF PROPOSED PIPELINES DISPLAYED WITHIN THE PAD AREA ARE FOR VISUALIZATION PURPOSES ONLY. ACTUAL LOCATIONS TO BE DETERMINED DURING CONSTRUCTION.



**WELL PAD - NBU 921-26L DESIGN SUMMARY**

TOTAL WELL PAD AREA = 2.67 ACRES  
 TOTAL DAMAGE AREA = 4.88 ACRES

**RESERVE PIT QUANTITIES**  
 TOTAL CUT FOR RESERVE PIT  
 +/- 7,850 CY  
 RESERVE PIT CAPACITY (2' OF FREEBOARD)  
 +/- 29,890 BARRELS

**Kerr-McGee Oil & Gas Onshore, LP**  
 1099 18th Street - Denver, Colorado 80202

WELL PAD - NBU 921-26L

WELL PAD - LOCATION LAYOUT  
 STATE 921-26L GR  
 LOCATED IN SECTION 26, T9S, R21E,  
 S.L.B.&M., UTAH COUNTY, UTAH



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 209 NORTH 300 WEST - VERNAL, UTAH 84078

**WELL PAD LEGEND**

- EXISTING WELL LOCATION
- PROPOSED WELL LOCATION
- PREVIOUSLY PROPOSED WELL LOCATION
- EXISTING CONTOURS (2' INTERVAL)
- PROPOSED CONTOURS (2' INTERVAL)
- PROPOSED PIPELINE
- EXISTING PIPELINE



HORIZONTAL 0 30 60 1" = 60'  
 2' CONTOURS

Scale: 1"=60' Date: 11/5/10 SHEET NO:  
 REVISED: **3** 3 OF 9





PHOTO VIEW: FROM PIT TO LOCATION STAKE

CAMERA ANGLE: SOUTHEASTERLY

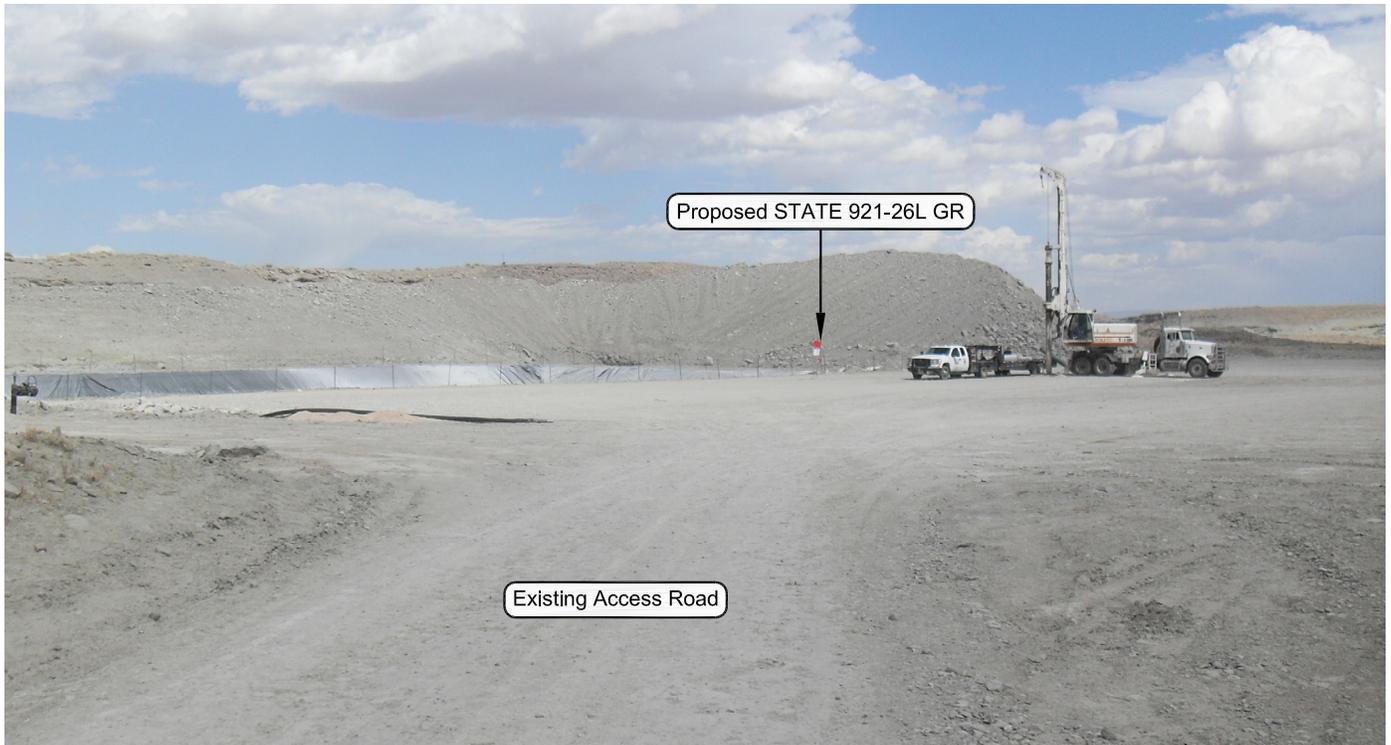


PHOTO VIEW: FROM EXISTING ACCESS ROAD

CAMERA ANGLE: NORTHEASTERLY

**Kerr-McGee Oil & Gas Onshore, LP**  
1099 18th Street - Denver, Colorado 80202

**WELL PAD - NBU 921-26L**

**LOCATION PHOTOS  
STATE 921-26L GR  
LOCATED IN SECTION 26, T9S, R21E,  
S.L.B.&M., UINTAH COUNTY, UTAH.**

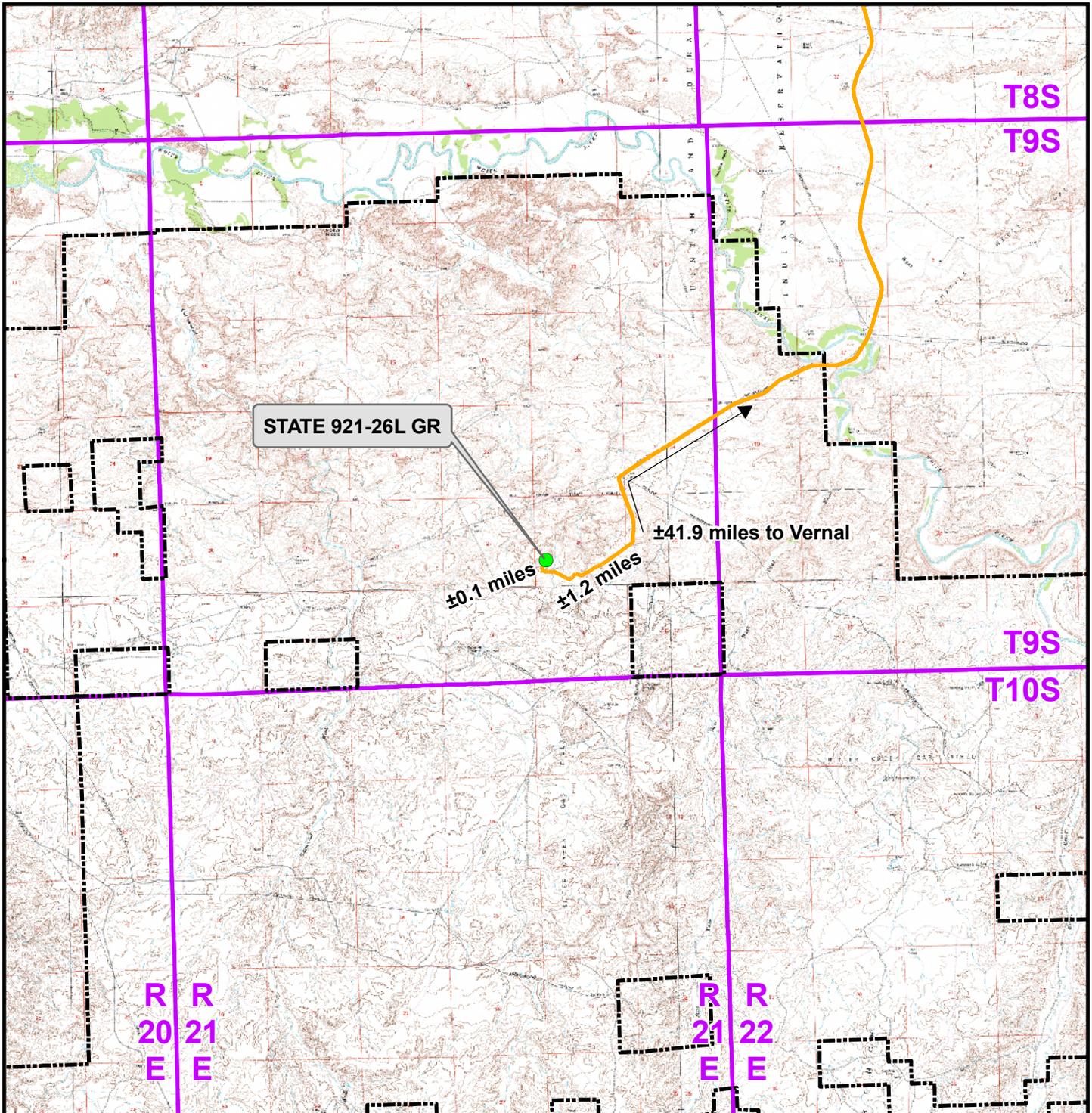


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**TIMBERLINE** (435) 789-1365  
ENGINEERING & LAND SURVEYING, INC.  
209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE PHOTOS TAKEN: 09-22-10	PHOTOS TAKEN BY: M.S.B.	SHEET NO: <b>5</b> 5 OF 9
DATE DRAWN: 09-29-10	DRAWN BY: M.W.W.	
Date Last Revised:		

**RECEIVED** November 08, 2010



**Legend**

- Proposed Well Location
- Natural Buttes Unit Boundary
- Access Route - Proposed

Distance From Well - STATE 921-26L GR To Unit Boundary: ±5,040ft

**Kerr-McGee Oil & Gas Onshore, LP**  
 1099 18th Street, Denver, Colorado 80202

**WELL PAD - NBU 921-26L**

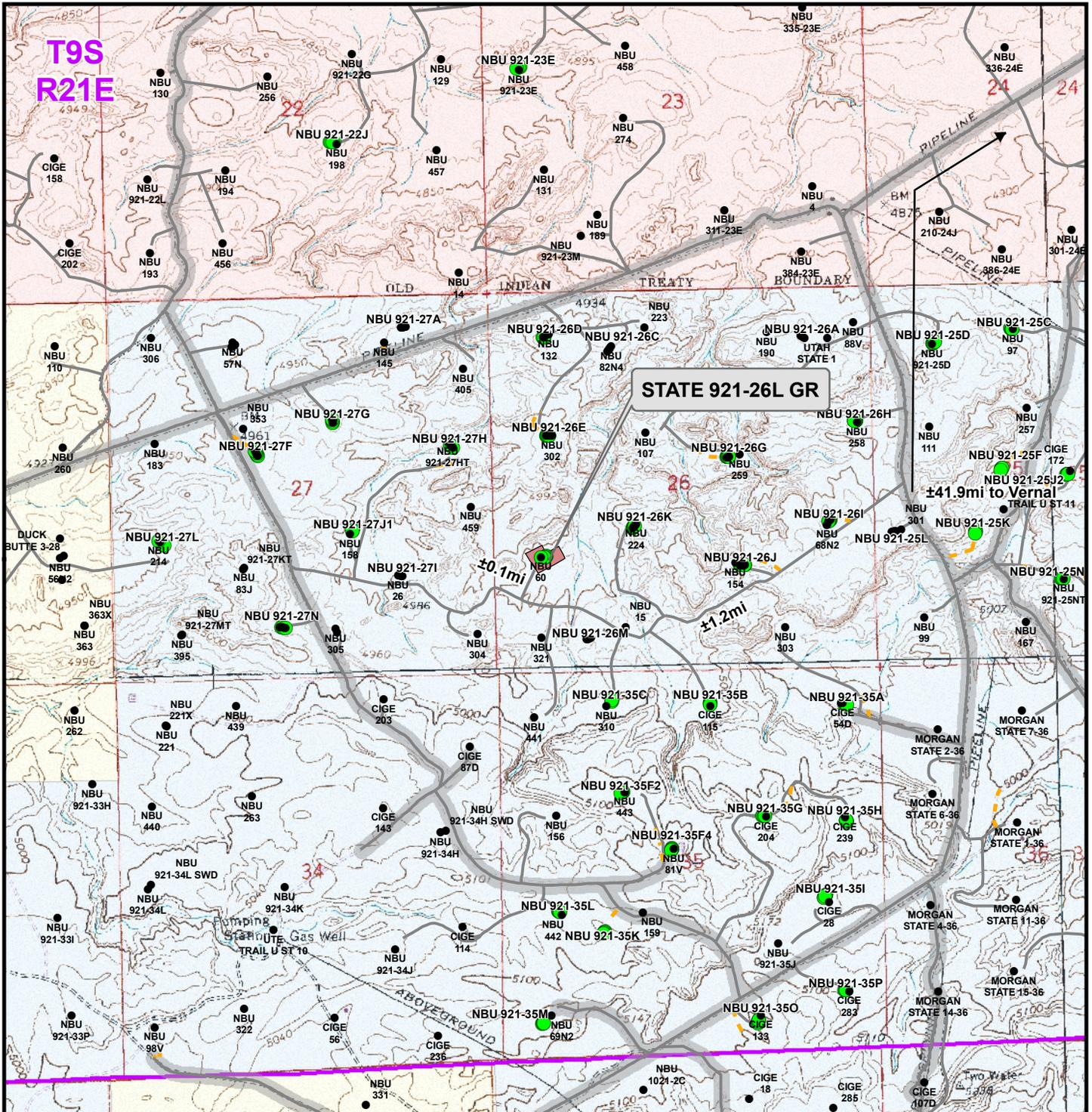
**TOPO A**  
**STATE 921-26L GR**  
**LOCATED IN SECTION 26, T9S, R21E**  
**S.L.B.&M., Uintah County, Utah**



**CONSULTING, LLC**  
 2155 North Main Street  
 Sheridan, WY 82801  
 Phone (307) 674-0609  
 Fax (307) 674-0182



Scale: 1:100,000	NAD83 USP Central	Sheet No:
Drawn: CPS	Date: 5 Nov 2010	<b>6</b> 6 of 9
Revised:	Date:	



**Legend**

- Well Pad
- Well - Proposed
- Road - Proposed
- County Road
- Bureau of Land Management
- State
- Indian Reservation
- Private
- Well - Existing
- Road - Existing

Total Proposed Road Length: ±0ft

**Kerr-McGee Oil & Gas Onshore, LP**  
1099 18th Street, Denver, Colorado 80202

**WELL PAD - NBU 921-26L**

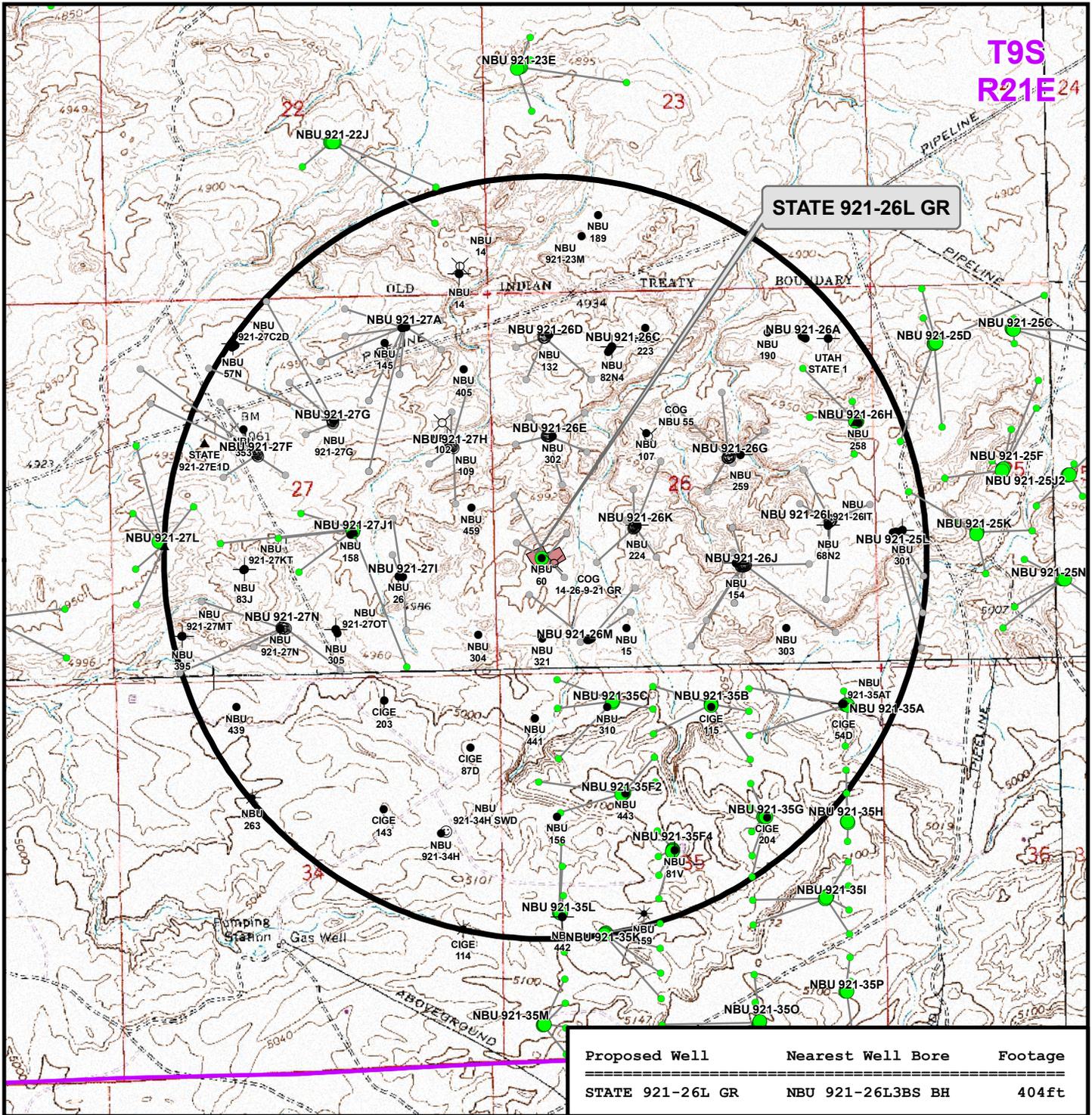
**TOPO B**  
**STATE 921-26L GR**  
**LOCATED IN SECTION 26, T9S, R21E**  
**S.L.B.&M., UINTAH COUNTY, UTAH**

**609**  
**CONSULTING, LLC**  
2155 North Main Street  
Sheridan, WY 82801  
Phone (307) 674-0609  
Fax (307) 674-0182



Scale: 1" = 2,000ft	NAD83 USP Central	Sheet No: <b>7</b>
Drawn: CPS	Date: 5 Nov 2010	<b>7</b> of 9
Revised:	Date:	

**RECEIVED** November 08, 2010



Proposed Well	Nearest Well Bore	Footage
STATE 921-26L GR	NBU 921-26L3BS BH	404ft

**Legend**

- Well - Proposed
- Bottom Hole - Proposed
- Bottom Hole - Existing
- Well Path
- Well Pad
- Well - 1 Mile Radius

Well locations derived from State of Utah, Dept. of Natural Resources, Division of Oil, Gas and Mining

- Producing
- ★ Active
- ☉ Spudded (Drilling commenced; Not yet completed)
- ▲ Approved permit (APD); not yet spudded
- New Permit (Not yet approved or drilled)
- ⊕ Inactive
- ⊗ Drilling Operations Suspended
- Temporarily-Abandoned
- Shut-In
- Plugged and Abandoned
- ⊗ Location Abandoned
- ⊗ Dry hole marker, buried
- ⊗ Returned APD (Unapproved)

**Kerr-McGee Oil & Gas Onshore, LP**  
1099 18th Street, Denver, Colorado 80202

**WELL PAD - NBU 921-26L**

**TOPO C**  
**STATE 921-26L GR**  
**LOCATED IN SECTION 26, T9S, R21E**  
**S.L.B.&M., Uintah County, Utah**

**609**  
**CONSULTING, LLC**  
2155 North Main Street  
Sheridan, WY 82801  
Phone (307) 674-0609  
Fax (307) 674-0182



Scale: 1" = 2,000ft	NAD83 USP Central	Sheet No:
Drawn: CPS	Date: 5 Nov 2010	<b>8</b> 8 of 9
Revised:	Date:	

**Kerr-McGee Oil & Gas Onshore, LP**  
**WELL PAD – NBU 921-26L**  
**WELLS – STATE 921-26L GR**  
**Section 26, T9S, R21E, S.L.B.&M.**

From the intersection of U.S. Highway 40 and 500 East street in Vernal, Utah, proceed in an easterly then southerly direction along U.S. Highway 40 approximately 3.3 miles to the junction of State Highway 45. Exit right and proceed in a southerly direction along State Highway 45 approximately 20.2 miles to the junction of the Glen Bench Road (County B Road 3260). Exit right and proceed in a southwesterly direction along the Glen Bench Road approximately 18.4 miles to a service road to the southwest. Exit right and proceed in a southwesterly direction along the service road approximately 1.2 miles to the existing access road which runs to the NBU 921-26L well pad. Exit right and proceed in a northeasterly direction along the access road approximately 0.1 miles to the well location.

Total distance from Vernal, Utah to the well location is approximately 43.2 miles in a southerly direction.



Kerr-McGee Oil & Gas Onshore LP  
PO Box 173779  
DENVER, CO 80217-3779

September 20, 2010

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

Re: Exception location to Spacing Order 197-1  
NBU 60 (to be renamed State 921-26 L GR)  
T9S-R21E,  
Sec 26: 661' FWL, 1600' FSL  
Uintah County, Utah

Dear Ms. Mason:

Kerr-McGee Oil & Gas Onshore LP proposes to recomplete the captioned well (that was producing out of the unitized Wasatch-Mesaverde formations) to the Green River formation which is not unitized. The unitized interval is depleted and will be sealed off during this operation. We request an exception location to Spacing Order 197-1, which establishes 160 acre quarter section spacing, with the well being a minimum of 1000' from the boundary of the spacing unit. We request the exception due to the fact that this is an existing well that has already been drilled at the above captioned location. Recompleting the well to the Green River formation is economically feasible and could continue this well bore as a producing well.

Kerr-McGee is the operator and owner of 100% of the operating rights in the Green River formation in the NW/4 of Section 26 and the E/2 of Section 27-T9S-R21E which are the offset quarter sections being infringed upon. Kerr-McGee does not object to the exception location requested herein.

We request the exception location at your earliest convenience.

Sincerely,

KERR-MCGEE OIL & GAS ONSHORE LP

Joe Matney  
Sr. Staff Landman  
720-929-6147

RECEIVED November 08, 2010

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-01194-ST																														
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES																														
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> STATE 921-26L																															
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>9. API NUMBER:</b> 43047317280000																															
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6515 Ext	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES																														
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1600 FSL 0661 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSW Section: 26 Township: 09.0S Range: 21.0E Meridian: S	<b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH																															
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA																																
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>																															
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/20/2011  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; border: none;"><input type="checkbox"/> ACIDIZE</td> <td style="width: 33%; border: none;"><input type="checkbox"/> ALTER CASING</td> <td style="width: 33%; border: none;"><input type="checkbox"/> CASING REPAIR</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</td> <td style="border: none;"><input type="checkbox"/> CHANGE TUBING</td> <td style="border: none;"><input type="checkbox"/> CHANGE WELL NAME</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> CHANGE WELL STATUS</td> <td style="border: none;"><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</td> <td style="border: none;"><input type="checkbox"/> CONVERT WELL TYPE</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> DEEPEN</td> <td style="border: none;"><input type="checkbox"/> FRACTURE TREAT</td> <td style="border: none;"><input type="checkbox"/> NEW CONSTRUCTION</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> OPERATOR CHANGE</td> <td style="border: none;"><input type="checkbox"/> PLUG AND ABANDON</td> <td style="border: none;"><input type="checkbox"/> PLUG BACK</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> PRODUCTION START OR RESUME</td> <td style="border: none;"><input type="checkbox"/> RECLAMATION OF WELL SITE</td> <td style="border: none;"><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> REPERFORATE CURRENT FORMATION</td> <td style="border: none;"><input type="checkbox"/> SIDETRACK TO REPAIR WELL</td> <td style="border: none;"><input type="checkbox"/> TEMPORARY ABANDON</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> TUBING REPAIR</td> <td style="border: none;"><input type="checkbox"/> VENT OR FLARE</td> <td style="border: none;"><input type="checkbox"/> WATER DISPOSAL</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> WATER SHUTOFF</td> <td style="border: none;"><input type="checkbox"/> SI TA STATUS EXTENSION</td> <td style="border: none;"><input type="checkbox"/> APD EXTENSION</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> WILDCAT WELL DETERMINATION</td> <td style="border: none;"><input checked="" type="checkbox"/> OTHER</td> <td style="border: none;">OTHER: <input style="width: 100px;" type="text" value="Well Name"/></td> </tr> </table>		<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 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 checked="" type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text" value="Well Name"/>
<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR																														
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<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text" value="Well Name"/>																														
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Please be advised the well name for this well changed to the State 921-26L GR on 11/18/2011.																																
<b>Accepted by the          Utah Division of          Oil, Gas and Mining          FOR RECORD ONLY</b>																																
<b>NAME (PLEASE PRINT)</b> Andy Lytle	<b>PHONE NUMBER</b> 720 929-6100	<b>TITLE</b> Regulatory Analyst																														
<b>SIGNATURE</b> N/A	<b>DATE</b> 4/20/2011																															

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-01194-ST
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> STATE 921-26L
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>9. API NUMBER:</b> 43047317280000
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6515 Ext
<b>4. LOCATION OF WELL FOOTAGES AT SURFACE:</b> 1600 FSL 0661 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSW Section: 26 Township: 09.0S Range: 21.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES  <b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 4/20/2011	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> 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"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> 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 received approval from UDOGM to recomplate this well to the Green River formation on 11/18/2010. The operator requests authorization to revise the recompletion procedure in order to frac down casing. Please see the proposed revised procedure. Thank you.

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

**Date:** 04/27/2011

**By:** *Dark K. Quist*

<b>NAME (PLEASE PRINT)</b> Andy Lytle	<b>PHONE NUMBER</b> 720 929-6100	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 4/20/2011	

# Greater Natural Buttes Unit



**STATE 921-26L GR  
(NBU 60)  
RE-COMPLETIONS PROCEDURE**

**DATE:04/11/2011  
AFE#:2048979**

**COMPLETIONS ENGINEER: JAMES PAGE, Denver, CO  
720 -929-6747 (Office)  
303 – 501-2731 (Cell)**

**SIGNATURE:**

**ENGINEERING MANAGER: JEFF DUFRESNE**

**SIGNATURE:**

**REMEMBER SAFETY FIRST!**

**Name:** State 921-26L GR  
**Location:** NW SW Sec 26 T9S R21E  
**Uintah County, UT**  
**Date:** **10/19/2010**

**ELEVATIONS:** 4940 GL 4954 KB

**TOTAL DEPTH:** 6500

**PBTD:** 6357

**SURFACE CASING:** 8 5/8", 24# K-55 ST&C @ 260'

**PRODUCTION CASING:** 5 1/2", 17#, J-55, K-55 & N-80 LT&C @ 6500'  
 Marker Joint

**TUBULAR PROPERTIES:**

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES	
				(bbl/ft)	(gal/ft)
2 7/8" 6.5# J-55 tbg	7,260	7,680	2.347"	0.00579	0.2431
5 1/2" 17# K-55 (See above)	5320	4910	4.767"	0.0232	0.9764
2 7/8" by 5 1/2" Annulus				0.0152	0.6392

**TOPS:**

1460' Green River  
 1754' Birds Nest  
 2124' Mahogany  
 4740' Wasatch  
 6500' Bottom of Wasatch (TD)

CBL indicates good cement below 1000'

**GENERAL:**

- A minimum of **4** tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Dresser Atlas Induction-Density-Neutron log dated 8/20/86
- **1** fracturing stages required for coverage.
- Procedure calls for **0** CIBP's (**10000** psi).
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Pump scale inhibitor at 3 gal/1000 during pad and sand ramp up to 1.25 ppg. Pump at 10 gal/1000 during flush.
- 30/50 mesh Ottawa sand, **Slickwater Frac.**
- Maximum surface pressure **3500** psi.

- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). Stage acid and scale inhibitor if necessary to cover the next perforated interval.
- **Call flush at 0 PPG @ inline densimeters. Slow to 5 bbl/min over last 10-20 bbls of flush. Flush to top perf.**
- Pump 20/40 mesh **resin coated sand** last 5,000# of stage
- NO TUBING IN HOLE
- **Casing was pressure tested with plug to 4000PSI on 12/31/10**
- CEMENT PLUGS from 3015-3220 and 4635-4815.
- Originally completed on 8/28/86

**Existing Perforations:**

This well was perforated 12/30/2010

Zone	From	To	spf	# of shots
GREENRIVER 4499	4502	4502	3	9
GREENRIVER 4509	4511	4511	3	6
GREENRIVER 4455	4460	4460	2	10

**Casing was pressure tested with plug to 4000PSI on 12/31/10**

**PROCEDURE:**

1. NU frac valves. Test frac valves 3500 psi. As per standard operating procedure install steel blowdown line to reserve pit from 5-1/2" X 8-5/8" annulus with pressure relief valve in line. Pressure relief will be set to release at 500 psig. 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.
2. Breakdown perfs and establish injection rate. Frac as outlined in Stage 1 on attached listing. Flush to top perf at 4455'.
3. ND Frac Valves, NU BOP's, Test BOP's
4. TIH with 3 7/8" tubing, land tubing at 4469'
5. RDMO

**For design questions, please call  
James Page, Denver, CO  
720 929 6747 (Office)  
303 501 2731 (Cell)**

**For field implementation questions, please call  
Jeff Samuels Vernal, UT  
435-781-9770 (Office)**



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-01194-ST
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> STATE 921-26LGR	
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>9. API NUMBER:</b> 43047317280000	
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6515 Ext	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1600 FSL 0661 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSW Section: 26 Township: 09.0S Range: 21.0E Meridian: S	<b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<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 checked="" 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 checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/7/2011	<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"/> SPUD REPORT Date of Spud:	<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"/>	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. THE OPERATOR HAS RECOMPLETED THE SUBJECT WELL. THE OPERATOR HAS RECOMPLETED TO THE GREEN RIVER FORMATION. THE SUBJECT WELL HAS BEEN RETURNED BACK TO PRODUCTION ON 06/07/2011 AT 10:00 AM. THE CHRONOLOGICAL WELL HISTORY WILL BE SUBMITTED WITH THE WELL COMPLETION REPORT.		
<b>NAME (PLEASE PRINT)</b> Sheila Wopsock		<b>PHONE NUMBER</b> 435 781-7024
<b>SIGNATURE</b> N/A		<b>TITLE</b> Regulatory Analyst  <b>DATE</b> 6/9/2011

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

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

FORM 6

**ENTITY ACTION FORM**

Operator: KERR MCGEE OIL & GAS ONSHORE LP Operator Account Number: N 2995  
 Address: P.O. Box 173779  
city DENVER  
state CO zip 80217 Phone Number: (720) 929-6100

**Well 1**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304731728	STATE 921-26LGR		NWSW	26	9S	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
<i>D</i>	99999	<i>18160</i>	8/7/1986			<i>6/7/11</i>	
<b>Comments:</b> The Wasatch formation has been plugged off; this well was recompleted out of the Green River formation and is currently producing from the <u>Green River</u> formation.							

**Well 2**

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
<b>Comments:</b>							

**Well 3**

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
<b>Comments:</b>							

**ACTION CODES:**

- 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)

**RECEIVED**

JUN 27 2011

DIV. OF OIL, GAS & MINING

ANDY LYTLE

Name (Please Print)

Signature 

REGULATORY ANALYST

Title

6/15/2011

Date

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

AMENDED REPORT  FORM 8  
(highlight changes)

5. LEASE DESIGNATION AND SERIAL NUMBER:  
**U-01194 ST**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME

8. WELL NAME and NUMBER:  
**STATE 921-26L GR**

9. API NUMBER:  
**4304731728**

10. FIELD AND POOL, OR WILDCAT  
**NATURAL BUTTES**

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:  
**NWSW 26 9S 21E S**

12. COUNTY **UINTAH** 13. STATE **UTAH**

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  OTHER \_\_\_\_\_

b. TYPE OF WORK: NEW WELL  HORIZ. LATS.  DEEP-EN  RE-ENTRY  DIFF. RESVR.  OTHER **RECOMPLETE**

2. NAME OF OPERATOR:  
**KERR MCGEE OIL & GAS ONSHORE, L.P.**

3. ADDRESS OF OPERATOR: **P.O. BOX 173779** CITY **DENVER** STATE **CO** ZIP **80217** PHONE NUMBER: **(720) 929-6100**

4. LOCATION OF WELL (FOOTAGES)  
AT SURFACE: **NWSW 1600 SFL 661 FWL S26, T9S, R21E**

AT TOP PRODUCING INTERVAL REPORTED BELOW:

AT TOTAL DEPTH:

14. DATE SPUDDED: **8/6/1986** 15. DATE T.D. REACHED: **8/19/1986** 16. DATE COMPLETED: **6/7/2011** ABANDONED  READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL):  
**4940 GL**

18. TOTAL DEPTH: MD **6,500** TVD \_\_\_\_\_ 19. PLUG BACK T.D.: MD **6,357** TVD \_\_\_\_\_ 20. IF MULTIPLE COMPLETIONS, HOW MANY? \* \_\_\_\_\_ 21. DEPTH BRIDGE PLUG SET: MD **4,805** TVD \_\_\_\_\_

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)

**DIL-DC-CNL (only logs)**

23. WAS WELL CORED? NO  YES  (Submit analysis)  
WAS DST RUN? NO  YES  (Submit report)  
DIRECTIONAL SURVEY? NO  YES  (Submit copy)

**24. CASING AND LINER RECORD (Report all strings set in well)**

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
12 1/4"	8 5/8"	24#		260		160			
7 7/8"	5 1/2"	17#		6,500		1,470			

**25. TUBING RECORD**

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	4,438							

**26. PRODUCING INTERVALS**

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) GREEN RIVER	4,455	4,515		
(B)				
(C)				
(D)				

**27. PERFORATION RECORD**

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
4,455 4,515	0.36	26	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

**28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.**

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
4455 - 4515	PUMP1301 BBLs SLICK H2O & 38,680 LBS SAND

**RECEIVED**

**JUL 19 2011**

**DIV. OF OIL, GAS & MINING**

**29. ENCLOSED ATTACHMENTS:**

- ELECTRICAL/MECHANICAL LOGS  GEOLOGIC REPORT  DST REPORT  DIRECTIONAL SURVEY  
 SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION  CORE ANALYSIS  OTHER: \_\_\_\_\_

30. WELL STATUS:

**PROD**

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 6/7/2011		TEST DATE: 6/16/2011		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL - BBL: 13	GAS - MCF: 1,287	WATER - BBL: 0	PROD. METHOD: FLOWING
CHOKE SIZE: 64/64	TBG. PRESS. 306	CSG. PRESS. 689	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL: 13	GAS - MCF: 1,287	WATER - BBL: 0	INTERVAL STATUS: PROD

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

33. 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.

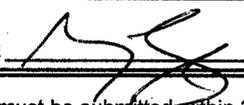
34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
GREEN RIVER	1,460		Original Wasatch Perfs (4866-5997) have been adandoned. TD		
BIRD'S NEST	1,754				
MAHOGANY	2,124				
WASATCH	4,740				
MESAVERDE	6,500				

35. ADDITIONAL REMARKS (Include plugging procedure)

Attached is the chronological recompletion history and Wasatch abandonment report.

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

NAME (PLEASE PRINT) ANDREW LYTLE TITLE REGULATORY ANALYST  
 SIGNATURE  DATE 7/14/2011

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

\* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

\*\* ITEM 24: Cement Top - Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining  
 1594 West North Temple, Suite 1210  
 Box 145801  
 Salt Lake City, Utah 84114-5801

Phone: 801-538-5340  
 Fax: 801-359-3940

**US ROCKIES REGION**  
**Operation Summary Report**

Well: NBU 60 Spud Date:

Project: UTAH-UINTAH Site: NBU 921-26L PAD Rig Name No: GWS 1/1, SWABBCO 1/1, SWABBCO 1/1

Event: RECOMPL/RESEREVEADD Start Date: 12/30/2010 End Date: 5/3/2011

Active Datum: RKB @0.00ft (above Mean Sea Level) UWI: NBU 60

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
12/29/2010	7:00 - 7:15	0.25	COMP	48		P		JSA= SLICK ROADS
	7:15 - 17:00	9.75	COMP	30		P		RIG DOWN RIG @ NBU 920-13B MOVE RIG & EQUIP TO NBU 60 SPOT RIG & EQUIP WAIT ON WEATHERFORD TO NU WELLHEAD & GET DEAD MEN SET RU RIG PU 3=7/8" BIT TALLEY & PU 95 JNTS TUBING TAG CEM @ 3006' LD 1 JNT RU PWR SWVL & PUMP PREP TO DRILL IN AM SDFN.
12/30/2010	7:00 - 7:15	0.25	COMP	48		P		JSA= DRILL CEM
	7:15 - 17:30	10.25	COMP	30		P		POOH W/ 3-7/8" BIT LD PU 4-3/4" BIT TAG CEM @ 3006' D/O TO 3219' (213' CEM) CIRC CLEAN CONTINUE TO RIH TAG @ 4560' RU PWR SWVL & PUMP D/O TO 4650' (90' CEM) CIRC HOLE CLEAN W/ TMAC POOH W/ 13 JNTS EOT @ 4240' SWIFN
12/31/2010	7:00 - 7:15	0.25	COMP	48		P		JSA= LD TUBING
	7:15 - 18:00	10.75	COMP	30		P		CONTINUE TO LD TUBING LD BHA RD FLOOR & TUBING EQUIP ND BOPS NU FRAC VALVES RU CUTTERS W/L RIH W/ 10K CIBP SET @ 4615' POOH PU DUMP BAILER RIH SPOT 2 SKS CEM POOH FILL HOLE W/ TMAC RU B&C QUICK TEST TEST PLUG & CASING TO 4000# GOOD TEST RD TESTERS RIH W/ CUTTERS 3-3/8", 23 GM EXPEND PERF GUN 0.36 HOLE, PERF= GREEN RIVER 4510'-4515', 2 SPF, 180* PH, 10 HOLES
	18:00 - 18:00	0.00	COMP	46	E			SHUT WELL IN RIG DOWN RIG MOVE TO NBU 922 32D PAD
4/29/2011	7:00 - 7:15	0.25	COMP	48		P		SHUT DOWN REC OPERATIONS, W/O 2 7/8" FRAC STRING.
	7:15 - 15:00	7.75	COMP	30	A	P		HSM, SLIPS, TRIPS & FALLS, RIGGING UP.
5/2/2011	7:00 - 7:15	0.25	COMP	48		P		BLUE STAKE & SET 1 ANCHOR, MIRU, SPOT EQUIP, CHECK FRAC VALVES, PERFS IN WRONG SPOT TALKING W/ JAMES PAGE WILL TALK W/ GEOLGIST ON MONDAY, SDFWE.
	7:15 - 15:00	7.75	COMP	47	A	P		HSM, SLIPS, TRIPS & FALLS,
5/3/2011	7:00 - 7:15	0.25	COMP	48		P		VERIFY FRAC INTERVALS W/ ENGINEERS, C/O FRAC VALVES FROM 4" X 10K TO 7" X 5K, DIG UP SURFACE CSG VALVE & EXTEND TO ABOVE GROUND LEVEL, MIRU FRAC TECH FOR FRAC IN AM, SWI, SDFN.
								HSM, SLIPS, TRIPS & FALLS, STAY AWAY FROM FRAC LINES.

**US ROCKIES REGION**  
**Operation Summary Report**

Well: NBU 60

Spud Date:

Project: UTAH-UINTAH

Site: NBU 921-26L PAD

Rig Name No: GWS 1/1, SWABBCO 1/1,  
SWABBCO 1/1

Event: RECOMPL/RESEREVEADD

Start Date: 12/30/2010

End Date: 5/3/2011

Active Datum: RKB @0.00ft (above Mean Sea Level)

UWI: NBU 60

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:15 - 11:30	4.25	COMP	36	E	P		<p>COULDN'T GET TIED ONTO FRAC HEAD W/ WIRELINE, ND FRAC HEAD, NU 7" X 5K FLANGE FOR 5 1/2" LUBRICATOR. BTM ZONE WAS PERFED 12/31/2010 @ 4,510' - 4,515' 2 SPF / 10 SHOTS.</p> <p>PERF STG #1] P/U &amp; RIH W/ PERF GUN, PERF GREEN RIVER USING 3 3/8" EXPEND, 22.7 GRM PROSPECTOR, 0.36" HOLE. 4,455' - 4,460' / 2 SPF, 120* PH, 10 HOLES. 4,499' - 4,502' / 2 SPF, 120* PH, 6 HOLES. [26 HOLES]</p> <p>ND 7" X 5K FLANGE, NU FRAC HEAD. FRAC STG #6] WHP 370 PSI, BRK DN PERFS @ 3,205 PSI @ 3.6 BPM, INJ RT 51 BPM, INJ PSI 2,894 PSI, ISIP 1,151 PSI, FG .69, PUMP'D 1,301 BBLS SLK WTR W/ 33,540# 30/50 MESH W/ 5,140# RESIN COAT 20/40 IN TAIL, W/ TOTAL PROP PUMP'D 38,680, ISIP 1,532 PSI, FG .77, AR 50.8 BPM, AP 2,550 PSI, MR 51.2, MP 3,205 PSI, NPI 381 PSI, PERFS OPEN 26/26, 100% OPEN. ND FRAC HEAD, NU 7" X 5K FLANGE FOR 5 1/2" LUBRICATOR. P/U RIH W/ HLIBURTON 8K CBP, SET TOP KILL @ 4,419', ND 7" X 5K FLANGE, RDMO CUTTERS &amp; FRAC TECH.</p> <p>1,301 TOTAL BBLS 38,680# TOTAL SAND 119 GALS SCALE INHIB 24 GALS BIOCID</p> <p>PRESS TEST N/A WAS TESTED 12/31/2010. PRESS TEST FRAC LINES 4,550 PSI, LOST 65 PSI IN 15 MIN, NO VISIBLE SURFACE LEAKS.</p>

**US ROCKIES REGION**  
**Operation Summary Report**

Well: NBU 60

Spud Date:

Project: UTAH-UINTAH

Site: NBU 921-26L PAD

Rig Name No: GWS 1/1, SWABBCO 1/1,  
SWABBCO 1/1

Event: RECOMPL/RESEREVEADD

Start Date: 12/30/2010

End Date: 5/3/2011

Active Datum: RKB @0.00ft (above Mean Sea Level)

UWI: NBU 60

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	11:30 - 19:00	7.50	COMP	31	I	P		<p>RD FLOOR, ND FRAC VALVE, NU BOP, RU FLOOR &amp; TBG EQUIP, TALLY &amp; PU TBG TO KILL PLUG @ 4,419', RU POWER SWIVEL C/O X/O ON POWER SWIVEL, FILL TBG, BREAK CIRC, PRESS TEST BOP TO 2,500 PSI HELD 0 PSI LOSS IN 15 MIN.</p> <p>START DRLG PLUG, SURFACE CSG VAVLE OPEN TO ATMOSPHERE W/ LOCK ON IT.</p> <p>C/O 15' SAND, TAG 1ST PLUG @ 4,419' DRL PLUG IN 15 MIN. 0 PSI INCREASE RIH, CSG PRESS 0 PSI. WELL WILL FLOW W/ OUT PUMP.</p> <p>PBTD 4,615'(CIBP), BTM PERF @ 4,515', RIH TAG @ 4,570', C/O TO 4,615', 100' PAST BTM PERF W/ 142 JTS 2 3/8" J-55 TBG, LD 6 JTS, PU &amp; STRIP IN TBG HANGER &amp; LAND TBG W/ 136 JTS 2 3/8" J-55, EOT 4,437.50'. WELL FLOWING 1/2 BPM WHEN TBG WAS LANDED.</p> <p>RD POWER SWIVEL, FLOOR &amp; TBG EQUIP, ND BOPS, NU WH, DROP BALL TO OPEN BIT SUB W/ 2,400 PSI, LET BIT FALL FOR 20 MIN.</p> <p>TURN OVER TO FLOW BACK CREW, SDFN. FLOWING TBG &amp; CSG PRESS 50 PSI @ 6:30 PM</p> <p>KB= 14' 7 1/16" WEATHERFORD HANGER= .83' TBG USED 136 JTS 136 JTS 2 3/8" J-55 = 4,418.62' 1.875" XN SN = 1.05' PUMP OPEN SUB = 1.50' 4 3/4" BIT &amp; SUB = 1.50' EOT @ 4,437.50' SN @ 4,437.50'</p> <p>TWTR= 1,301 BBLS TWR= 300 BBLS TWLTR= 1,001 BBLS      CALLED CDC TALKED TO CRAGEN</p>

**US ROCKIES REGION**  
**Operation Summary Report**

Well: STATE 921-26L GR (WAS NBU 60)

Spud Date:

Project: UTAH-UINTAH

Site: NBU 921-26L PAD

Rig Name No: MILES 2/2

Event: ABANDONMENT

Start Date: 6/21/2010

End Date: 6/22/2010

Active Datum: RKB @0.00ft (above Mean Sea Level)

UWI: NBU 60

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
6/21/2010	7:00 - 7:30	0.50	ABAND	48		P		MIRU
	7:30 - 17:00	9.50	ABAND	45				MIRU,150# CSG, 150# TBG, KILL WELL WITH 20 BBLSTBG, 30 BBLs CSG, TMAC, NDWH, NU BOP'S, TEST BOP'S, UNLAND TBG, SCAN TBG OOH. STD BACK 77 STDS, LD 29 JTS, 0 YB, 2 BB 63.70' 181 RB 5652.3'. 183 JTS TOTAL,5716'. RD PRS, SWIFN
6/22/2010	7:00 - 7:30	0.50	ABAND	48		P		CEMENTING
	7:30 - 15:00	7.50	ABAND	51		P		KILL WELL WITH 20 BBLs TMAC, RU CUTTERS, RIH GAUGE RING TO 4840', POOH PU CIBP, RIH TO 4805', SET CIBP, POOH, RD CUTTERS, RIH WITH 77 STDS TBG TO 4805', RU PRO PETRO, BREAK CICR WITH 112 BBLs TMAC, PRESSURE TEST TO 500# FOR 5 MIN, ALL CEMENT PUMPED IS CLASS G, 1.145 YIELD, 15>8# DENISTY, 4.9 GW/SX, PUMP 1ST PLUG, 5 BBLs FRESH WATER, 21 SX, 4.3 BBLs, 24.045 CF CEMENT, DISPLACE WITH 1 BBL FRESH, 16.8 BBLs TMAC, POOH LD 51 JTS TO 3220', PUMP 5 BBLs FRESH, 23 SX, 4.7 BBLs, 26.335 CF CEMENT, DISPLACE WITH 1 BBL FRESH WATER, 10.6 BBLs TMAC, RD PRO PETRO, POOH LD TBG, ND BOP'S, CAP WELL, RDMO

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-01194-ST	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>	
		<b>7. UNIT or CA AGREEMENT NAME:</b>	
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> STATE 921-26LGR		
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>9. API NUMBER:</b> 43047317280000		
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6515 Ext	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES	
<b>4. LOCATION OF WELL FOOTAGES AT SURFACE:</b> 1600 FSL 0661 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSW Section: 26 Township: 09.0S Range: 21.0E Meridian: S	<b>COUNTY:</b> UINTAH		
		<b>STATE:</b> UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 9/29/2011  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input 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 checked="" 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: 50px;" type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
<p>The Operator requests that the well name be changed back to the originally permitted NBU 60. This well is still only producing from the Green River Formation. Please alert the undersigned if you have any questions and/or concerns.</p> <p style="text-align: right;"><b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY</b></p>			
<b>NAME (PLEASE PRINT)</b> Andy Lytle	<b>PHONE NUMBER</b> 720 929-6100	<b>TITLE</b> Regulatory Analyst	
<b>SIGNATURE</b> N/A		<b>DATE</b> 9/29/2011	

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

FORM 6

**ENTITY ACTION FORM**

Operator: KERR McGEE OIL & GAS ONSHORE LP Operator Account Number: N 2995  
 Address: P.O. BOX 173779  
city DENVER  
state CO zip 80217 Phone Number: (435) 781-9758

**Well 1**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304734420	NATURAL COTTON 52-28		SWNE	28	9S	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
D	13416	19013				1/12/2013	
Comments: <span style="float: right;">DEC 30, 2013</span>							

**Well 2**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304731728	NBU 60		NWSW	26	9S	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
D	18160	19279				2/1/2013	
Comments: <span style="float: right;">DEC 30, 2013</span>							

**Well 3**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304752050	MAVERICK 921-26B-HZ		NWNE	26	9S	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
D	18433	19279				2/1/2013	
Comments: <span style="float: right;">DEC 30, 2013</span>							

**ACTION CODES:**

- 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)

Doreen Green

Name (Please Print)

Signature

Regulatory Analyst

Title

12/23/2013

Date

RECEIVED  
DEC 24 2013

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-01194-ST	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>	
<b>7. UNIT or CA AGREEMENT NAME:</b> MAVERICK	
<b>1. TYPE OF WELL</b> Gas Well	
<b>8. WELL NAME and NUMBER:</b> NBU 60	
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	
<b>9. API NUMBER:</b> 43047317280000	
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 <span style="float: right;"><b>PHONE NUMBER:</b> 720 929-6456</span>	
<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES	
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1600 FSL 0661 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSW Section: 26 Township: 09.0S Range: 21.0E Meridian: S	
<b>COUNTY:</b> UINTAH	
<b>STATE:</b> UTAH	

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/24/2016	<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 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 checked="" type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text" value="WORKOVER"/>

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

A WELLBORE CLEANOUT HAS BEEN COMPLETED ON THE NBU 60 WELL.  
 PLEASE SEE THE ATTACHED OPERATIONS SUMMARY REPORT FOR  
 DETAILS.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 July 11, 2016

<b>NAME (PLEASE PRINT)</b> Candice Barber	<b>PHONE NUMBER</b> 435 781-9749	<b>TITLE</b> HSE Representative
<b>SIGNATURE</b> N/A	<b>DATE</b> 7/11/2016	

US ROCKIES REGION  
**Operation Summary Report**

US ROCKIES REGION								
Operation Summary Report								
Well: NBU 60 GR				Spud date:				
Project: UTAH-UINTAH			Site: NBU 921-26L PAD			Rig name no.: MILES 2/2		
Event: WELL WORK EXPENSE			Start date: 6/20/2016			End date: 6/24/2016		
Active datum: RKB @0.00usft (above Mean Sea Level)				UWI: NBU 60				
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
6/20/2016	7:00 - 7:15	0.25	MAINT	48		P		HSM/ JSA
	7:15 - 12:30	5.25	MAINT	39	G	P		MIRU, SPOT EQUIP, L/D HYD PU, UNSEAT PUMP, MIRU HOT OILER FLUSH TBG W/ 25 BBLS TMAC, POOH LD ROD STRING & PUMP, RD ROD EQUIP.
	12:30 - 17:00	4.50	MAINT	31	S	P		NDWH, NUBOP, RU FLOOR & TBG EQUIP, UNLAND TBG PU 1 JT TAG FILL @ 4580', POOH LD 1 JT SCAN 140 JTS TBG, 19 JTS RED, 121 JTS YELLOW, SWIFN.
6/21/2016	7:00 - 7:15	0.25	MAINT	48		P		HSM/ JSA
	7:15 - 12:00	4.75	MAINT	44	D	P		SICP 100 PSI, OPEN WELL TO FBT, PU 3 7/8" MILL RIH W/ 141 JTS TBG TAG FILL @ 4570', MIRU PWR SWVL & WTRFD FU BRK CIRC. C/O TO CIBP @ 4615' CIRC CLN, RD PWR SWVL & FU
	12:00 - 18:00	6.00	MAINT	31	I	P		POOH LD 3 JTS TBG STD BK 139 JTS, LD MILL, PU BHA, RIH W/ TBG, NDBOP, SET TAC @ 4424' W/ 10000# TENSION, LAND TBG W/ EOT @ 4558', NUWH, RU SWAB TOOLS BROACH TBG TO SN @ 4522', RIH W/ STANDING VALVE PRESS TEST TO 1000 PSI, FAILED TEST, POOH W/ SV, SWIFN.
6/22/2016	7:00 - 7:15	0.25	MAINT	48		P		HSM/ JSA
	7:15 - 18:30	11.25	MAINT	31	I	P		SICP 100 PSI, OPEN WELL TO FBT, NDWH, UNLAND TBG RELEASE TAC, NUBOP, POOH STD BK 68 JTS TBG, RIH W/ SV PRESS TEST TBG, POOH W/ 34 JTS PRESS TEST, FAILED, POOH W/ REM TBG FOUND SPLIT IN LAST JT, RIH W/ 69 JTS TBG, RIH W/ SV PRESS TO 1000 PSI, GOOD, RIH W/ 70 JTS TBG, RD FLOOR, NDBOP, SET TAC @ 4424' W/ 10000# TENSION, LAND TBG, PSN @ 4522' EOT @ 4558', RIH W/ SV PRESS TEST TBG TO 1000 PSI, GOOD, POOH W/ SV, NUWH, X/O TO ROD EQUIP, PU INSERT PUMP/ PRIME PUMP RIH W/ ROD STRING, SET PUMP ON TAG. 45" STICK UP ABOVE BASE PLATE. SEAT & STROKE TEST PUMP & TBG TO 1000 PSI, SWIFN.
6/23/2016	7:00 - 7:15	0.25	MAINT	48		P		HSM/ JSA
	7:15 - 17:00	9.75	MAINT	39	B	P		RU HYD PU, STROKE UNIT, NOT PUMPING, PUMP 20 BBLS DWN TBG W/ HOT OILER W/ NO PRESS CHANGE, PUMP 30 BBLS DWN BACKSIDE & 10 BBLS DWN TBG, NO PRESS, RD HYD PU, UNSEAT PUMP FLUSH RODS W/ 15 BBLS, POOH LD RODS RIH W/ SV TO SN @ 4522', PRESS TEST FAILED, X/O TO TBG EQUIP, NDWH, RELEASE TAC, NUBOP, SWIFN.
6/24/2016	7:00 - 7:15	0.25	MAINT	48		P		HSM/ JSA

US ROCKIES REGION  
Operation Summary Report

Well: NBU 60 GR		Spud date:	
Project: UTAH-UINTAH		Site: NBU 921-26L PAD	Rig name no.: MILES 2/2
Event: WELL WORK EXPENSE		Start date: 6/20/2016	End date: 6/24/2016
Active datum: RKB @0.00usft (above Mean Sea Level)		UWI: NBU 60	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	7:15 - 12:30	5.25	MAINT	31	T	P		<p>SICP 100 PSI, POOH STD BK 139 JTS TBG, LD 1 JT TBG W/ SPLIT &amp; 1 W/ DEEP PIT, MIRU TRIPLE H TEST TRUCK, RIH W/ TBG TESTING TO 3800 PSI, ALL REM JTS GOOD, RDMO TRIPLE H, RD FLOOR &amp; TBG EQUIP, NDBOP, SET TAC @ 4424', LND TBG W/ 10K TENSION EOT @ 4558', PSN @ 4522', NUWH.</p> <p>KB- 14' HANGER- .83' 136 JTS 2 3/8" J55- 4408.15' TAC- 2.00' 3 JTS 2 3/8" J55- 96.25' PSN- 1.10' 1 JT 2 3/8" J55 MUD ANCHOR W/ TWO 1/8" HOLES DRILLED JUST BELOW THE UPSET- 31.53' 2 3/8" J55 PERF SUB- 4.09' 2 3/8" J55 NOTCHED COLLAR W/ THRU PIN- .60' TAC @ 4424.98' PSN @ 4522.33' EOT @ 4558.55' CIBP @ 4615'</p>
	12:30 - 17:00	4.50	MAINT	39	I	P		<p>X/O TO ROD EQUIP, PU INSERT PUMP &amp; PRIME, RIH W/ ROD STRING, SEAT PUMP &amp; SET ON TAG, 45" STICK UP ABOVE BASE PLATE, RU HYD PU &amp; STROKE PUMP, TEST PUMP &amp; TBG TO 1000 PSI, SWI, SDFWE.</p> <p>1- 1 1/4" X 26' SPRAY METAL POLISHED ROD. 1 - 7/8" X 2' GRADE D SLK PONY 1 - 7/8" X 4' GRADE D SLK PONY 173 - 3/4" GRADE "D" SLK RODS W/ SB CPLNG. 4325'. BTM 500' GUIDED W/ SNAP ON ROD GUIDES 2 PER. 6 - 1 1/4" K-BARS ( WEIGHT BARS). =150' 1 - 7/8" X 2.50' STABALIZER PONY W/ 3/4" PINS. SM CPLNG. GRADE D. 2" X 1 1/4" X 20'. THD INSERT PUMP. NO SCREEN NIPPLE ON BTM. PUMP 4998. TYPE RHAC. STEEL W/ CHROME PUMP. ALTERNATE BALLS &amp; SEATS.</p>