

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

SUBMIT TRIPLICATE\*  
(Other instructions on reverse side)

5. Lease Designation and Serial No.  
U-01194-A  
6. If Indian, Allottee or Tribe Name  
Not Applicable  
7. Unit Agreement Name  
Natural Buttes  
8. Farm or Lease Name  
NBU  
9. Well No.  
209

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work  
DRILL  DEEPEN  PLUG BACK   
b. Type of Well  
Oil Well  Gas Well  Other   
Single Zone  Multiple Zone

2. Name of Operator  
Coastal Oil & Gas Corporation  
3. Address of Operator  
P. O. Box 749, Denver, Colorado 80201-0749

4. Location of Well (Report location clearly and in accordance with any State requirements\*)  
At surface  
2037' FNL, 605' FEL (SE 1/4 NE 1/4) 27-9S-21E  
At proposed prod. zone  
Same

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

16. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. line, if any)  
2037'  
18. Distance from proposed location\* to nearest well, drilling, completed, or applied for, on this lease, ft.  
2200'

21. Elevations (Show whether DF, RT, GR, etc.)  
4921' GR

10. Field and Pool, or Wildcat  
Natural Buttes W30  
11. Sec., T., R., M., or Bk. and Survey or Area  
Sec. 27, T9S, R21E

12. County or Parrish 13. State  
Uintah Utah

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" J-55	20.0#	0-250'	Circulate to Surface
7-7/8"	5-1/2" K-55	17.0#	0-T.D.	1500 sx Lite + Class "G"

TECHNICAL REVIEW  
Engr. [Signature] 11/29/90  
Geol. [Signature]  
Surface [Signature] 7/28/90

PLEASE REFER TO ATTACHED DRILLING PROGNOSIS.

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] Dale Heitzman Title Authorized Agent Date 11/13/90

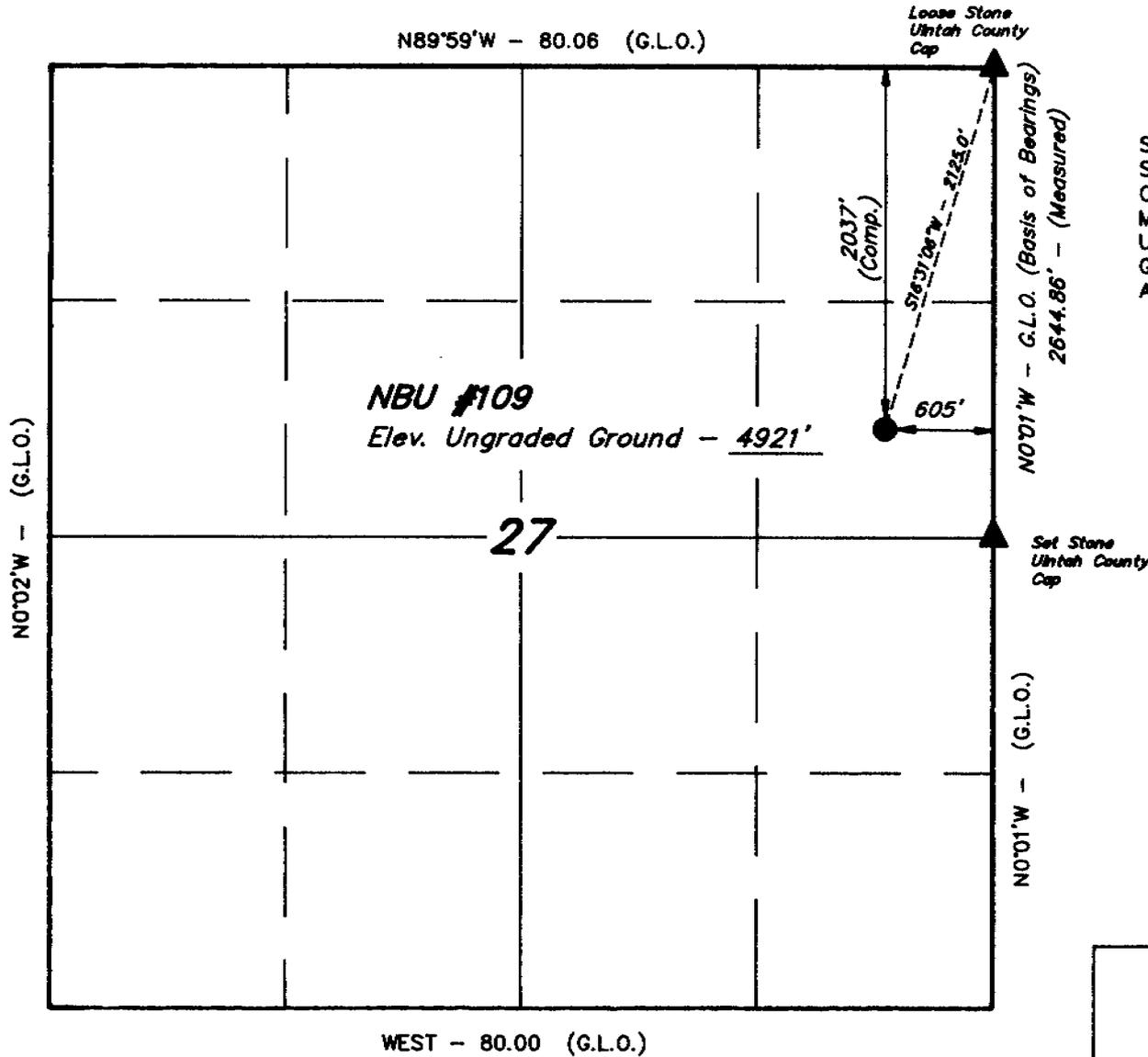
(This space for Federal or State office use)  
API No. 43-047-31917  
Permit No. \_\_\_\_\_ Approval Date \_\_\_\_\_

Approved by \_\_\_\_\_ Title \_\_\_\_\_  
Conditions of approval, if any: \_\_\_\_\_  
APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING  
DATE: 11-29-90  
BY: [Signature]  
WELL SPACING: Natural Buttes Unit

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

**COASTAL OIL & GAS CORP.**

Well location, NBU #109, located as shown in the SE 1/4 NE 1/4 of Section 27, T9S, R21E, S.L.B.&M. Uintah County, Utah.



**BASIS OF ELEVATION**

SPOT ELEVATION NEAR A ROAD IN THE NE 1/4 OF SECTION 28, T9S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MIN. SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4934 FEET.



**CERTIFICATE**

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

*Robert L. Kay*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 5709  
 STATE OF UTAH

**UINTAH ENGINEERING & LAND SURVEYING**

P. O. BOX 1758 - 85 SOUTH - 200 EAST

VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 10-12-90
PARTY G.S. L.D.T. T.D.H.	REFERENCES G.L.O. PLAT
WEATHER WARM	FILE COASTAL OIL & GAS CORP.

▲ = SECTION CORNERS LOCATED.

COASTAL OIL & GAS CORPORATION

#109 NBU  
SE $\frac{1}{4}$ NE $\frac{1}{4}$  Section 27, T9S, R21E  
Uintah County, Utah

Drilling Prognosis

1. Estimated Formation Tops:

Surface	Uinta	
Green River	1270'	
Wasatch	4500'	Gas
Total Depth	6100'	

2. 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.

Testing Procedure : The BOP and choke manifold will be pressure tested to the rated working pressure of 70% of the internal yield strength of the surface casing, whichever is less, for a period of 15 minutes upon installation; once every thirty days and/or when flange seals are broken if a "nipple-up" or "nipple-down" takes place.

3. Drilling Fluids Program:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>
0- 250'	Air	--	--	--
250-6100'	Air	--	--	--

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.

4. Evaluation Program:

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

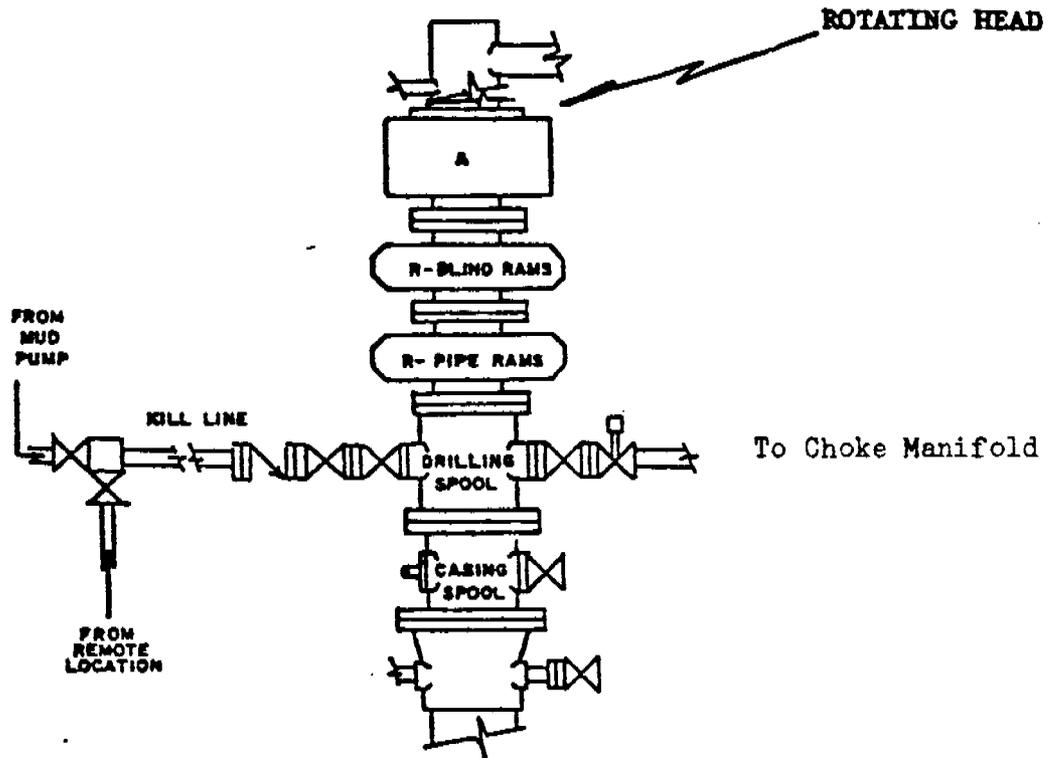
DST's : None Anticipated

Cores : None Anticipated

5. 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 pounds.

## 3,000 psi Working Pressure BOP



### 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.

## 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 1991.

4. Other Information:

- A. A cultural resource inventory of the proposed well site and access road has been completed.

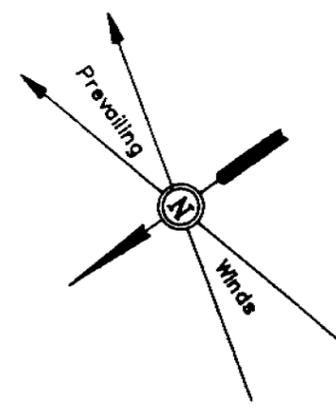
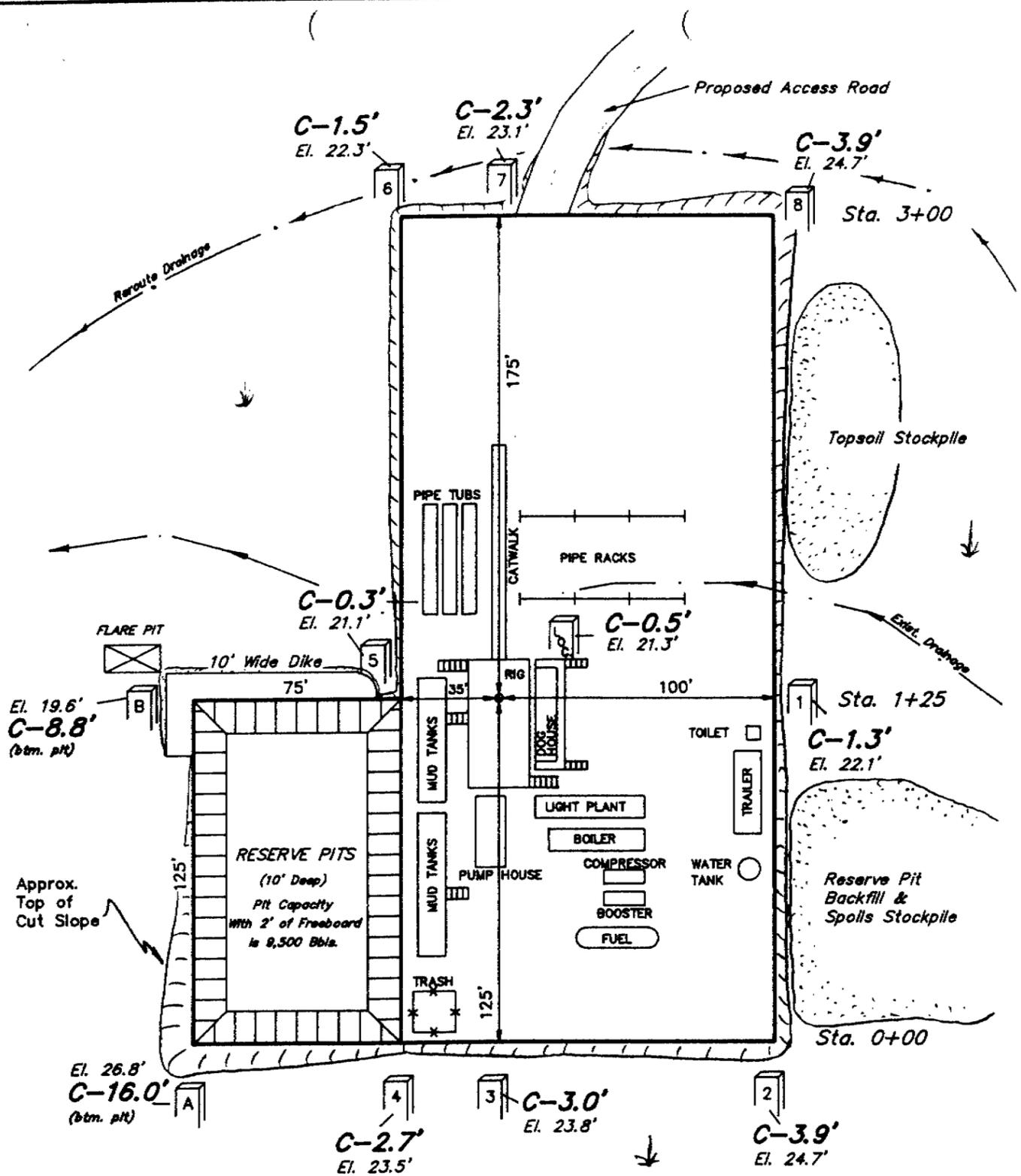
5. Surface Ownership:

State of Utah  
Division of State Lands and Forestry  
Salt Lake City, Utah  
Telephone: (801) 538-5508

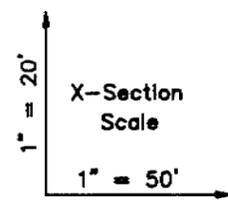
6. Contact for Additional Data if Required:

Heitzman Drill-Site Services  
Dale Heitzman/Bob Anderson  
P. O. Box 3579  
Casper, Wyoming 82602  
Telephone: (307) 266-4840

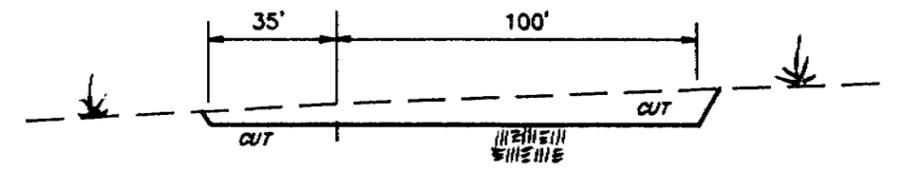
COASTAL OIL & GAS  
 LOCATION LAYOUT FOR  
 NBU #109  
 SECTION 27, T9S, R21E, S.L.B.&M.



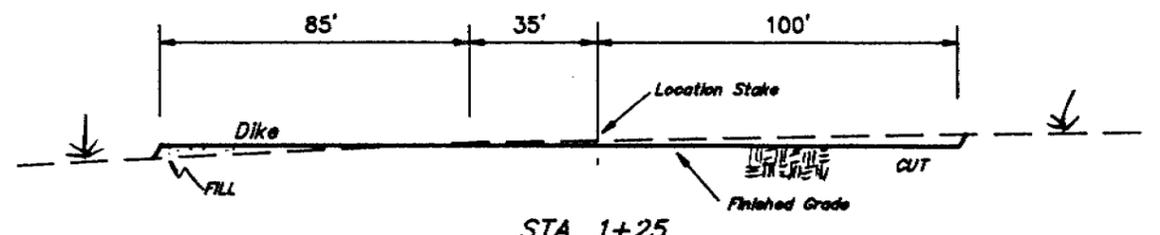
SCALE: 1" = 50'  
 DATE: 10-14-90  
 Drawn By: T.D.H.



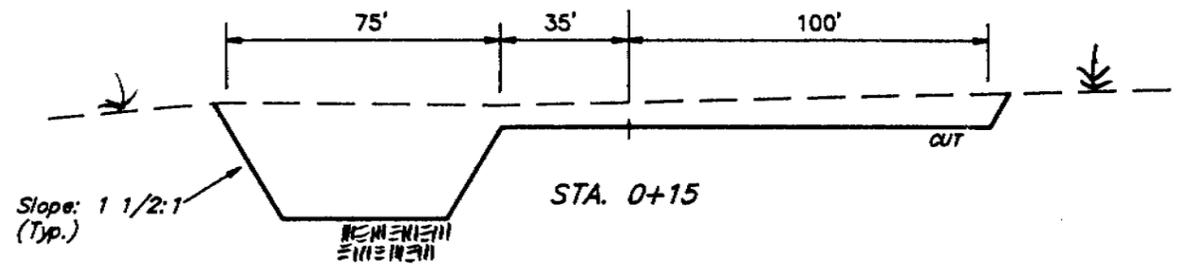
TYP. CROSS SECTIONS  
 TYP. LOCATION LAYOUT



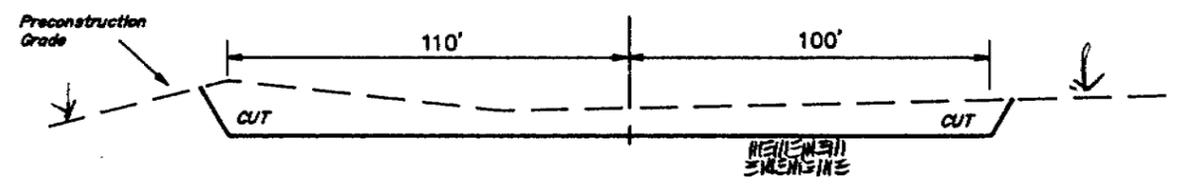
STA. 3+00



STA. 1+25



STA. 0+15



STA. 0+00

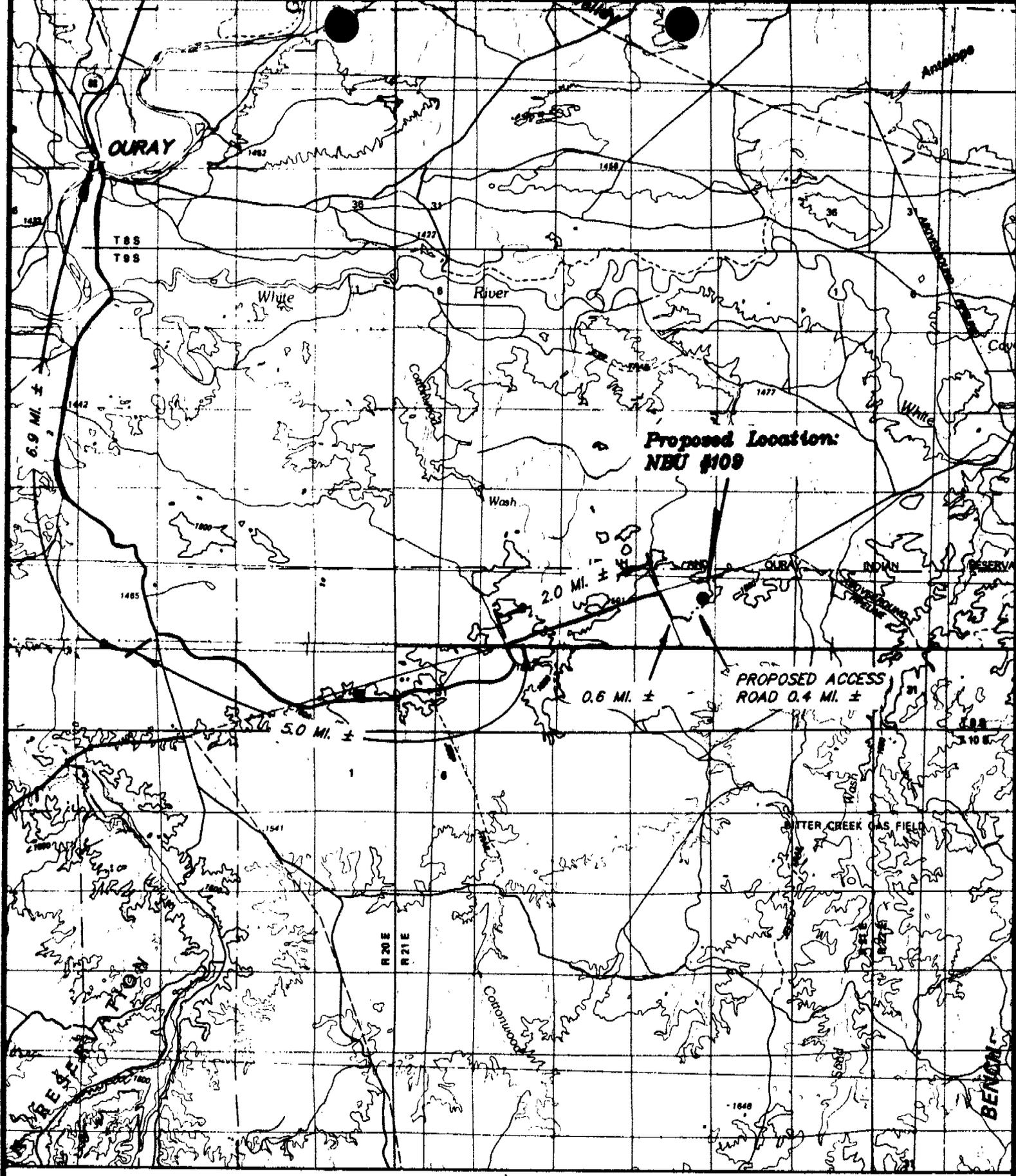
APPROXIMATE YARDAGES

CUT		
(6") Topsoil Stripping	=	1,000 Cu. Yds.
Remaining Location	=	5,470 Cu. Yds.
<b>TOTAL CUT</b>	=	<b>6,470 CU.YDS.</b>
<b>FILL</b>	=	<b>60 CU.YDS.</b>

EXCESS MATERIAL AFTER 5% COMPACTION	=	6,410 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	2,220 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	=	4,190 Cu. Yds.

NOTES:

Elev. Ungraded Ground At Loc. Stake = 4921.3'  
 FINISHED GRADE ELEV. AT LOC. STAKE = 4920.8'



TOPOGRAPHIC  
MAP "A"

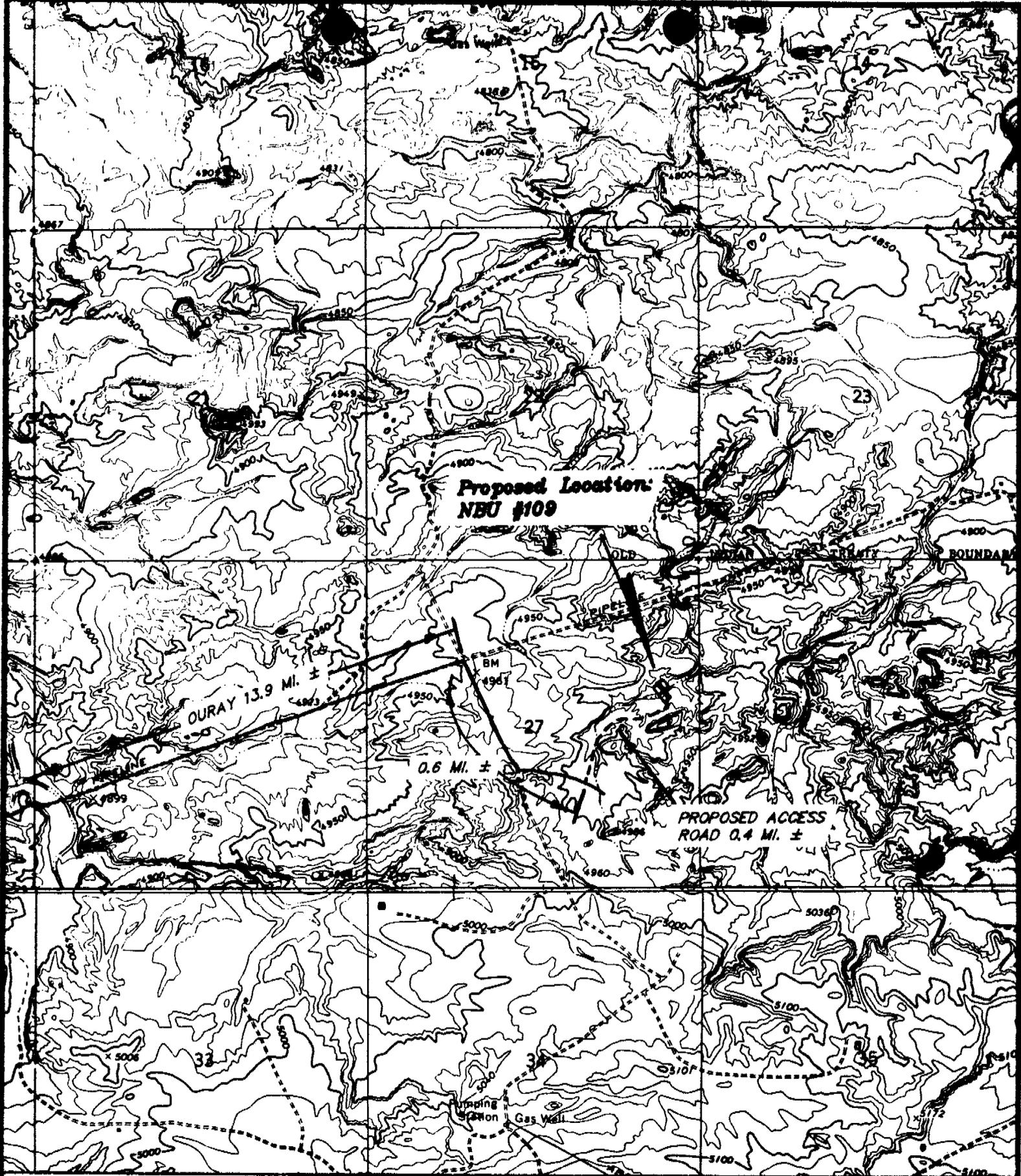
DATE 10-12-90



**COASTAL OIL & GAS CORP.**

NBU #109

SECTION 27, T9S, R21E, S.L.B.&M.



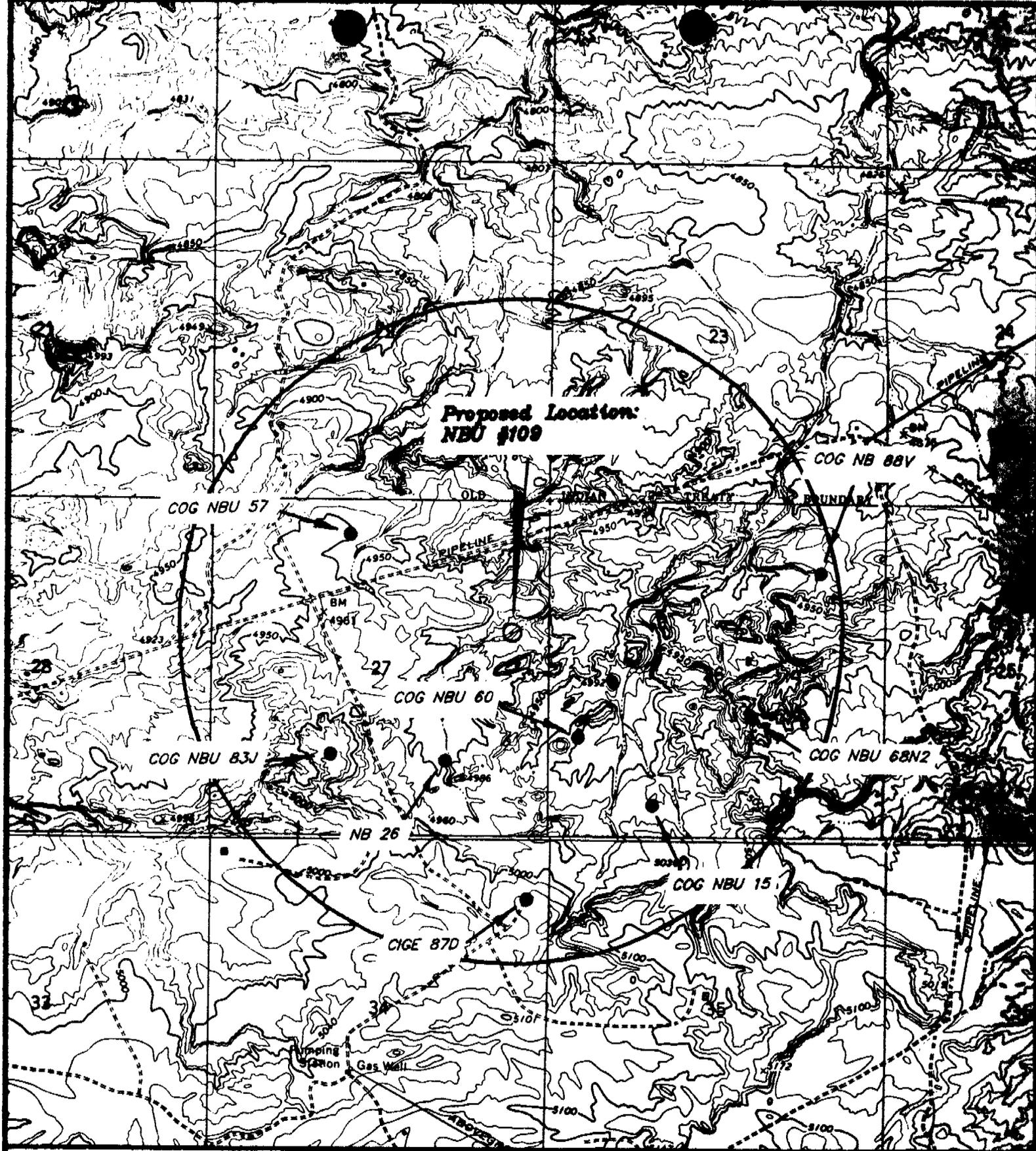
**TOPOGRAPHIC  
MAP "B"**

SCALE: 1" = 2000'  
DATE 10-12-90



**COASTAL OIL & GAS CORP.**

**NBU #109  
SECTION 27, T9S, R21E, S.L.B.&M.**



**LEGEND:**

- ◊ = Water Wells
- ◆ = Abandoned Wells
- = Temporarily Abandoned Wells
- ⊗ = Disposal Wells
- = Drilling Wells
- = Producing Wells
- = Shut-in Wells



**COASTAL OIL & GAS CORP.**  
**NBU #109**  
**SECTION 27, T9S, R21E, S.L.B.&M.**  
**TOPO MAP "C"**

DATE: 10-12-90

DRILLING LOCATION ASSESSMENT

State of Utah  
Division of Oil, Gas and Mining

OPERATOR: COASTAL OIL AND GAS CORP. WELL NAME: 109  
SECTION: 27 TWP: 9S RNG: 21E LOC: 2037 FSL 605 FWL  
QTR/QTR SE/NE COUNTY: UINTAH FIELD: NATURAL BUTTES  
SURFACE OWNER: STATE OF UTAH  
SPACING: NATURAL BUTTES UNIT  
INSPECTOR: BRAD HILL DATE AND TIME: 11/7/90 9:45

PARTICIPANTS: Dale Heitzman-Permit Agent; Robert Kay-Uintah Engineering; Tim McDonald-C.I.G.; Harley Jackson-Jackson Construction; Dan Jarvis-DOGM

REGIONAL SETTING/TOPOGRAPHY: The proposed well is located in the southeast Uinta Basin. This location lies in a depression between two hills. A small intermittent drainage is located on the eastern portion of the location.

LAND USE:

CURRENT SURFACE USE: NONE

PROPOSED SURFACE DISTURBANCE: A rectangular pad will be constructed with dimensions of 300'X 135' with an 125'X 75' extension for the reserve pit. An access road .4 miles long will be constructed.

AFFECTED FLOODPLAINS AND/OR WETLANDS: NONE

FLORA/FAUNA: Rabbitbrush, Sage, Saltbush, Snakeweed, Curley Grass/Rabbits, Antelope, Coyote

ENVIRONMENTAL PARAMETERS

SURFACE GEOLOGY

SOIL TYPE AND CHARACTERISTICS: Clayey-silt with angular sandstone blocks.

SURFACE FORMATION & CHARACTERISTICS: Uintah Formation-mudstones with interbedded silt and sandstones.

EROSION/SEDIMENTATION/STABILITY: No active erosion or sedimentation. Location should be stable.

PALEONTOLOGICAL POTENTIAL: None observed.

SUBSURFACE GEOLOGY

OBJECTIVES/DEPTHS: Wasatch-4500'

ABNORMAL PRESSURES-HIGH AND LOW: None anticipated.

CULTURAL RESOURCES/ARCHAEOLOGY: Checked and cleared by Metcaff and Associates.

CONSTRUCTION MATERIALS: Only onsite materials will be used for construction.

SITE RECLAMATION: To be reclaimed as per State Lands.

RESERVE PIT

CHARACTERISTICS: The reserve pit will be rectangular in shape with dimensions of 125'X 75'X 10'.

LINING: None needed.

MUD PROGRAM: Entire well is to be drilled with air.

DRILLING WATER SUPPLY: Water will be obtained from Target Trucking if needed.

OTHER OBSERVATIONS NONE

STIPULATIONS FOR APD APPROVAL

Existing drainage is to be diverted around the location. A berm should be placed around the location to contain any fluids which might be spilled on location.

ATTACHMENTS

Photographs will be placed on file.

OPERATOR Coastal Oil Gas Corp N-0230 DATE 11-27-90

WELL NAME NBU 109

SEC SENE 07 T 9S R 01E COUNTY Mintah

43-047-31917  
API NUMBER

Natural (1)  
TYPE OF LEASE

CHECK OFF:

PLAT.

BOND

NEAREST WELL

LEASE

FIELD SLBM

POTASH OR OIL SHALE

PROCESSING COMMENTS:

1990 P.O.O. approved 3-8-89 WSTC-MVRD  
state permit 49-991 (A-57530)  
Permit 11-27-90 for surface  
Oil shale area

APPROVAL LETTER:

SPACING:

R615-2-3

Natural Buttes  
UNIT

R615-3-2

N/A  
CAUSE NO. & DATE

R615-3-3

STIPULATIONS:

Oil shale stipulation  
Surface stipulations



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter  
Governor

Dee C. Hansen  
Executive Director

Dianne R. Nielson, Ph.D.  
Division Director

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

November 30, 1990

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

Gentlemen:

Re: NBU 109 - SE NE Sec. 27, T. 9S, R. 21E - Uintah County, Utah  
2037' FNL, 605' FEL

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 R615-2-3, Oil and Gas Conservation General Rules, subject to the following stipulations:

1. Special attention is directed to compliance with Rule R615-3-34, which prescribes drilling procedures for designated oil shale areas.
2. Existing drainage is to be diverted around the location. A berm should be placed around the location to contain any fluids which might be spilled on location.

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

1. Spudding notification within 24 hours after drilling operations commence.
2. Submittal of an Entity Action Form within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.
3. Submittal of the Report of Water Encountered During Drilling, Form 7.

Page 2  
Coastal Oil & Gas Corporation  
NBU 109  
November 30, 1990

4. Prompt notification if it is necessary to plug and abandon the well. Notify R. J. Firth, Associate Director, (Office) (801) 538-5340, (Home) 571-6068, or Jim Thompson, Lead Inspector, (Home) 298-9318.
5. Compliance with the requirements of Rule R615-3-20, Gas Flaring or Venting, Oil and Gas Conservation General Rules.
6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 538-6121.
7. 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 43-047-31917.

Sincerely,



R. J. Firth  
Associate Director, Oil & Gas

tas  
Enclosures  
cc: Bureau of Land Management  
J. L. Thompson  
we14/1-10

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

1. LEASE DESIGNATION & SERIAL NO.  
U-01194-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
Not Applicable

7. UNIT AGREEMENT NAME  
Natural Buttes

8. FARM OR LEASE NAME  
NBU

9. WELL NO.  
109

10. FIELD AND POOL, OR WILDCAT  
Natural Buttes

11. SEC., T., R., N., OR BLK. AND SURVEY OR AREA  
Section 27, T9S, R21E

12. COUNTY  
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 Corporation

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)  
At surface 2037' FNL, 605' FEL (SE1NE1)  
At proposed prod. zone Same

5. API NO.  
43-047-31917 PRL

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
4921' GR

DEC 05 1990

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

FULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON

CHANGE PLANS

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

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

APPROX. DATE WORK WILL START January, 1991

DATE OF COMPLETION \_\_\_\_\_

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

\* Must be accompanied by a cement verification report.

Change proposed depth from 6100 feet to 8100 feet.

Producing Formations: Wasatch and Mesaverde

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

SIGNED Dale Heitzman TITLE Authorized Agent DATE 12/03/90

(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  
(Other instructions on reverse side)

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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

6. If Indian, Allottee or Tribe Name Not Applicable

7. Unit Agreement Name Natural Buttes

8. Name of Lessee or Lease Name BU

9. Well No. 109

10. Field and Pool, or Wildcat Natural Buttes

11. Sec., T., R., M., or Bk. and Survey or Area Sec. 27, T9S, R21E

12. County or Parrish Uintah 13. State Utah

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

15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. line, if any) 2037'

16. No. of acres in lease 1292.39

17. No. of acres assigned to this well 80

18. Distance from proposed location to nearest well, drilling, completed, or applied for, on this lease, ft. 2200'

19. Proposed depth 6100' 8100'

20. Rotary or cable tools Rotary

21. Elevations (Show whether DF, RT, GR, etc.) 4921' GR

22. Approx. date work will start\* January 1, 1991

RECEIVED  
DEC 21 1990

DIVISION OF  
OIL, GAS & MINING

43-047-31917 PRL

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" J-55	24.20.0#	0-250'	Circulate to Surface
7-7/8"	5-1/2" K-55	17.0#	0-T.D.	1500 sx Lite + Class "G"

PLEASE REFER TO ATTACHED DRILLING PROGNOSIS.

RECEIVED  
DEC 1990

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: Dale Heitzman Title: Authorized Agent Date: 11/13/90

(This space for Federal or State office use)

Permit No. ACCEPTED BY BLM FOR UNIT PURPOSES ONLY Approval Date: 12/18/90

Approved by: Conditions of approval, if any. Title: Date: 12/18/90

Ut080-1m14  
DOG+M

DIVISION OF OIL, GAS AND MINING

API NO. 43-047-31917 *del*

SPUDDING INFORMATION

NAME OF COMPANY: COASTAL OIL & GAS CORPORATION

WELL NAME: NBU 109

SECTION SENE 27 TOWNSHIP 9S RANGE 21E COUNTY UINTAH

DRILLING CONTRACTOR LEON ROSS

RIG #                     

SPUDDED: DATE 1-22-91

TIME 4:00 p.m.

HOW DRY HOLE

DRILLING WILL COMMENCE 1-23-91/COASTAL DRILLING #1

REPORTED BY DON NICHOLS

TELEPHONE # 789-4200 Unit 9420

DATE 1-23-91 SIGNED TAS

del

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
BOPE TEST INSPECTION FORM

COMPANY: Coastal Oil & Gas REPRESENTATIVE: Larry Javegin  
 WELL NAME: NBU # 109 API NO.: 43-047-31917  
 QTR/QTR: SENE SECTION: 27 TWP: 9 South RANGE: 21 East  
 INSPECTOR: Carol Kuby DATE: 1/29/91  
 DRILLING CONTRACTOR: Coastal Rig 1 TOOL PUSHER: Jim Foreman  
 DEPTH: 266' KB SURFACE / INTERMEDIATE SIZE: 8 5/8" AT: 266'  
 TEST BY: Quik Test TESTER: Paul Yoder WATER: 100% Methanol MUD: \_\_\_\_\_  
 PRESSURE RATING OF STACK: 5000# H2S RATED: YES / (NO)  
 INSIDE BOPE: YES / (NO) FULL OPENING VALVE ON FLOOR: YES / (NO)  
 WRENCH FOR FULL OPENING VALVE / KELLYCOCK ON FLOOR: (YES) / NO

	PRESSURE	TIME	STACK ARRANGEMENT
ANNULAR BOP	<u>1500#</u>	<u>15min</u>	1. <u>Rotating Head</u>
TOP PIPE RAMS	<u>3000#</u>	<u>15min</u>	2. <u>Hydril</u>
BOTTOM PIPE RAMS	<u>N/A</u>	_____	3. <u>Pipe Rams</u>
BLIND RAMS	<u>3000#</u>	<u>15min</u>	4. <u>Blind Rams</u>
KELLY - LOWER x 2	<u>3000#</u>	<u>15min</u>	5. <u>Spacer Spool</u>
KELLY - UPPER	<u>3000#</u>	<u>15min</u>	6. <u>Well Head</u>
HCR	<u>N/A</u>	_____	7. _____
DART VALVE	<u>N/A</u>	_____	8. _____
FLOOR VALVE	<u>3000#</u>	<u>15min</u>	9. _____
CHOKE LINES	<u>3000#</u>	<u>15min</u>	10. _____
KILL LINES	<u>3000#</u>	<u>15min</u>	
CHOKE MANIFOLD	<u>3000#</u>	<u>15min</u>	

INCLUDES INSIDE AND OUTSIDE VALVES

ADDITIONAL COMMENTS: Well head is rated to 3000# even though  
The Stack is rated to 5000#. -reason for 3000# test.

REPORTED BY: Quik Test TELEPHONE: 789-8159

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
CEMENTING OPERATIONS

COMPANY NAME: Coastal Oil & Gas

WELL NAME: Natural Gas Unit #109

QTR/QTR SENE SECTION 27 TOWNSHIP 9S RANGE 21E

CEMENTING COMPANY: Western Company of North America WELL SIGN no

INSPECTOR: Carol Kudy DATE: 1/24/91

CEMENTING OPERATIONS:

PLUGBACK: \_\_\_\_\_ SQUEEZE: \_\_\_\_\_ CASING: \_\_\_\_\_ P-A ZONE: \_\_\_\_\_

SURFACE CASING: X INTERMEDIATE \_\_\_\_\_ PROD CASING: \_\_\_\_\_

PERFORATIONS \_\_\_\_\_ SQUEEZE PRESSURE \_\_\_\_\_

CASING INFORMATION:

SIZE 8 5/8" GRADE: J-55 HOLE SIZE: 12 1/2" DEPTH: 250'

SLURRY INFORMATION:

1. CLASS: \_\_\_\_\_  
LEAD: 2 TAIL: \_\_\_\_\_

2. SLURRY WEIGHT: \_\_\_\_\_  
LEAD: 15.8 #/gal TAIL: \_\_\_\_\_

3. WATER (GAL/SK) \_\_\_\_\_  
LEAD: 4.97 TAIL: \_\_\_\_\_

4. COMPRESSIVE STRENGTH  
PSI @ hard in HR 2 hours

PIPE CENTRALIZED 3 centralizers CEMENTING STAGES 1

LOST RETURNS no REGAIN RETURNS no BARRELS LOST 2 bbls.

TOP OF CEMENT surface PERF INTERVAL -

CEMENT TO SURFACE? Yes

ADDITIONAL COMMENTS: The hole was sloughing in and the pipe centralizers were hanging up but once the spc pipe was in place, the cement job went well

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION & SERIAL NO.

U-01194-A

6. IF INDIAN ALLOTTEE OR TRIBE NAME

N/A

**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

7. UNIT AGREEMENT NAME

Natural Buttes

2. NAME OF OPERATOR  
Coastal Oil & Gas Corporation

8. FARM OR LEASE NAME

NBU

3. ADDRESS OF OPERATOR  
P. O. Box 749, Denver, Colorado 80201-0749 (303) 573-4476

9. WELL NO.

109

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

10. FIELD AND POOL, OR WILDCAT

Natural Buttes Field

At surface 2037' FNL & 605' FEL (SENE)  
At proposed prod. zone  
Same as above

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

Section 27, T9S-R21E

14. API NO.  
43-047-31917 *ml*

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
4921' GR

12. COUNTY

Uintah

13. STATE

Utah

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF   
FRACTURE TREAT   
SHOOT OR ACIDIZE   
REPAIR WELL   
(Other)   
FULL OR ALTER CASING   
MULTIPLE COMPLETE   
ABANDON   
CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF   
FRACTURE TREATMENT   
SHOOTING OR ACIDIZING   
(Other) Report of spud   
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)  
REPAIRING WELL   
ALTERING CASING   
ABANDONMENT\*

APPROX. DATE WORK WILL START \_\_\_\_\_

DATE OF COMPLETION \_\_\_\_\_

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

\* Must be accompanied by a cement verification report.

1) Spud well w/Leon Ross Drilling Service @ 4:00 P.M. 1/22/91. Drilled 12-1/4" hole to 275'. Ran 6 jts. 8-5/8", 24#, K55, ST&C csg. and set @ 254'. Cemented w/180 sxs. premium "G" + additives. Cmt. to surface.

2) MIRU CoastalDril #1. Spud w/rotary rig @ 6:30 P.M., 1/29/91. Drilling ahead.

**RECEIVED**  
FEB 07 1991

DIVISION OF  
OIL, GAS & MINING

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

SIGNED Eileen Danni Dev TITLE Regulatory Analyst DATE 2/5/91

(This space for Federal or State office use)

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

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999 2900	2900	43-047-31917	Natural Buttes Unit #109	SENE	27	9S	21E	Uintah	1/22/91	1/22/91
WELL 1 COMMENTS: Federal-Lease (New entity 2900 added 2-12-91) g Field-Natural Buttes Unit-Natural Buttes											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

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DIVISION OF  
OIL, GAS & MINING

**ACTION CODES** (See instructions on back of form)

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

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

*Eileen Danni Dey*  
Signature Eileen Danni Dey

Regulatory Analyst 2-5-91  
Title Date

Phone No. (303) 573-4476

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION & SERIAL NO.  
U-01194-A

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

6. IF INDIAN ALLOTTEE OR TRIBE NAME  
N/A

1. OIL WELL  GAS WELL  OTHER

7. UNIT AGREEMENT NAME  
Natural Buttes Unit

2. NAME OF OPERATOR  
Coastal Oil & Gas Corporation

8. FARM OR LEASE NAME  
NBU

3. ADDRESS OF OPERATOR  
P. O. Box 749, Denver, Colorado 80201-0749 (303) 573-4476

9. WELL NO.  
109

4. LOCATION OF WELL (Report location clearly and in accordance with any state regulations.  
See also pages 17 below.)  
At surface 2037' FNL & 605' FEL (SE, NE)  
At proposed prod. zone Same as above

10. FIELD AND POOL, OR WILDCAT  
Natural Buttes  
11. SEC. T., R., N. OR BLK. AND SURVEY OR AREA  
Section 27, T9S-R21E

14. API NO.  
43-047-31917 *del*

13. ELEVATIONS (Show whether OF, RT. OR SURFACE)  
4921' GR OIL, GAS & MINING

12. COUNTY  
Uintah  
13. STATE  
Utah

**RECEIVED**  
FEB 10 1991

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

NOTICE OF INTENTION TO:

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

SUBSEQUENT REPORT OF:

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

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

APPROX. DATE WORK WILL START \_\_\_\_\_

DATE OF COMPLETION \_\_\_\_\_

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

\* Must be accompanied by a cement verification report.

A water spill occurred from the above-referenced well @ 5:00 A.M., 2/7/91. Well kicked, circulated kick through choke which blew formation water to the flare pit. The water seeped through the unlined flare pit to the surrounding terrain. Approximately 1,000 bbls. of formation water was lost to the surrounding terrain before the blooie line was diverted to the reserve pit. This process took approximately 4 hours. No attempt was made to recover this water and no damage is anticipated to occur from this spill.

Verbal notification was given to Jim Thompson, Division of Oil, Gas and Mining by Eileen Dey 2/7/91. Ed Forseman/BLM, Vernal District Office, Charlie Cameron/BIA, and Lowell Card/Utah Health Department were also notified 2/7/91.

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

SIGNED Eileen Danni Dey

TITLE Regulatory Analyst

DATE 2-8-91

(This space for Federal or State office use)

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

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
DRILLING AND WELL PLUGGING INSPECTION FORM

COMPANY: Coastal Oil & Gas

WELLNAME: NBU 109 API# 43-047-31917

SECTION: 27 TWP: 9 South RANGE: 21 East

INSPECTOR: Carol Kubly TIME: 12:45 DATE: 2-11-91

REPRESENTATIVE: Larry Javega PUSHER: Joni Foremann

OPERATIONS: TD Well 2-6-91

SPUD DATE: 1/22/91 1/29/91 DEPTH: 6097' @midnight

DRILLING AND COMPLETIONS:

- |                        |                       |                     |
|------------------------|-----------------------|---------------------|
| <u>y</u> APD           | <u>n</u> WELL SIGN    | <u>y</u> SANITATION |
| <u>y</u> BOPE          | <u>n</u> BLOOIE LINE  | <u>n</u> H2S        |
| <u>n</u> VENTED/FLARED | <u>y</u> RESERVE PIT  | <u>y</u> FLARE PIT  |
| <u>n</u> BURN PIT      | <u>y</u> HOUSEKEEPING |                     |

PLUGGING AND ABANDONMENTS:

PLUG TYPE	INTERVAL
_____	_____
_____	_____
_____	_____

PLUGS TESTED: \_\_\_\_\_ HOW \_\_\_\_\_ WOC \_\_\_\_\_

MARKER: \_\_\_\_\_ SURFACE \_\_\_\_\_ PLATE

RECLAMATION:

\_\_\_\_\_ CONTOUR \_\_\_\_\_ RIP \_\_\_\_\_ REHAB

LEGEND: (Y)-YES (P)-PROBLEM (U)-UNKNOWN (BLANK)-NOT APPLICABLE

REMARKS:

TD Well @midnight 2-6-91 @ 6097' Location OK.  
Reserve pit fenced & 2/3 full of drl fluids

APPROVED BY \_\_\_\_\_ HOW \_\_\_\_\_ DATE \_\_\_\_\_

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
DRILLING AND WELL PLUGGING INSPECTION FORM

COMPANY: Coastal Oil & Gas

WELLNAME: NBU #109 API# 43-047-3191F

SECTION: 27 TWP: 9 South RANGE: 21E

INSPECTOR: Carol Hubby TIME: 1:30pm DATE: 2/4/91

REPRESENTATIVE: Larry Jurgens PUSHER: E.D. Duncan Coastal Oil & Gas

OPERATIONS: Drilling

SPUD DATE: 1/22/91 DEPTH: 4880'

DRILLING AND COMPLETIONS:

<u>Y</u> APD	<u>U</u> WELL SIGN	<u>Y</u> SANITATION
<u>Y</u> BOPE	<u>U</u> BLOOIE LINE	<u>U</u> H2S
<u>U</u> VENTED/FLARED	<u>Y</u> RESERVE PIT	<u>Y</u> FLARE PIT
<u>U</u> BURN PIT	<u>Y</u> HOUSEKEEPING	

PLUGGING AND ABANDONMENTS:

PLUG TYPE	INTERVAL
_____	_____
_____	_____
_____	_____
_____	_____

PLUGS TESTED: \_\_\_\_\_ HOW \_\_\_\_\_ WOC \_\_\_\_\_

MARKER: \_\_\_\_\_ SURFACE \_\_\_\_\_ PLATE

RECLAMATION:

\_\_\_\_\_ CONTOUR \_\_\_\_\_ RIP \_\_\_\_\_ REHAB

LEGEND: (Y)-YES (P)-PROBLEM (U)-UNKNOWN (BLANK)-NOT APPLICABLE

REMARKS:

Wellseal needed. Reserve pit fenced on 3 sides & almost full. 1300' delay left. Drilling w/ Air / Water

APPROVED BY \_\_\_\_\_ HOW \_\_\_\_\_ DATE \_\_\_\_\_

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 FEB 25 1991

REPORT OF WATER ENCOUNTERED DURING DRILLING - FORM 7 (1/89)

DIVISION OF  
 OIL, GAS & MINING

1. Well name and number: NBU #109  
 API number: 43-047-31917 *del*
2. Well location: QQ SENE section 27 township 9S range 21E county Uintah
3. Well operator: Coastal Oil & Gas Corporation  
 Address: P.O. Box 749 phone: (303) 573-4476  
Denver, Colorado 80201-0749
4. Drilling contractor: CoastalDril, Inc.  
 Address: 1285 East, 135 South phone: (801) 781-1736  
Vernal, Utah 84078 -

5. Water encountered (continue on reverse side if necessary)

Depth		Volume (flow rate or head)	Quality (fresh or salty)
from	to		
1600'	2000'	N/A	See analysis

6. Formation tops: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

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

Name Eileen Danni Dey Signature *Eileen Danni Dey*  
 Title Regulatory Analyst Date February 19, 1991

Comments:



DISTRICT LABORATORY  
Box 339, VERNAL, UTAH 84078

199112

LABORATORY REPORT

No. \_\_\_\_\_

To PAUL BRACHEARS

Date 2/9/91

COASTAL

This report is the property of Halliburton Company and neither it nor any part thereof nor a copy thereof is to be published or disclosed without first securing the express written approval of laboratory management; it may however, be used in the course of regular business operations by any person or concern and employees thereof receiving such report from Halliburton Company.

We give below results of our examination of WATER SAMPLE

Submitted by PAUL, FOR COMPLETE ANALYSIS

Marked NB 109

pH 9.4

SpGr 1.066

Rw obsm-m @ °F

Calcium 150, mg/L

Magnesium nil mg/L

Chlorides 12624 mg/L

Bicarbonates 8235 mg/L

Carbonates 18,910 mg/L

Total dissolved solids = 95,700 mg/L

C C. TENNEY  
RASMUSSEN  
CURTICE  
WIRTH  
AROCHO

Respectfully submitted,

HALLIBURTON SERVICES  
By

**NOTICE.** This report is limited to the described sample tested. Any use of this report agrees that Halliburton shall not be liable

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

6. Lease Designation and Serial Number II-01194-A
7. Indian Allottee or Tribe Name N/A
8. Unit or Communitization Agreement Natural Buttes Unit
9. Well Name and Number NBU #109
10. API Well Number 43-047-31917
11. Field and Pool, or Wildcat Natural Buttes

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— for such proposals.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify)	
2. Name of Operator Coastal Oil & Gas Corporation	
3. Address of Operator P. O. Box 749, Denver, Colorado 80201-0749	
4. Telephone Number (303) 573-4476	5. Location of Well Footage : 2037' FNL & 605' FEL QQ. Sec. T. R. M. : SENE Section 27, T9S-R21E
County : Uintah State : UTAH	

12. 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"/> Abandonment	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Casing Repair
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Conversion to Injection
<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Fracture Treat
<input type="checkbox"/> Multiple Completion	<input checked="" type="checkbox"/> Other <u>Report of Operations</u>
<input type="checkbox"/> Other _____	
<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"/> Shoot or Acidize
<input type="checkbox"/> Shoot or Acidize	<input type="checkbox"/> Vent or Flare
<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Water Shut-Off	

Date of Work Completion \_\_\_\_\_

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.  
Must be accompanied by a cement verification report.

13. 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 report for the drilling and completion operations on the above-referenced location.

**RECEIVED**

MAY 10 1991

DIVISION OF  
OIL GAS & MINING

I hereby certify that the foregoing is true and correct

Name & Signature: *Spilvea Annis Key* Title: Regulatory Analyst Date: 5/7/91

State Use Only

COASTAL OIL & GAS CORPORATION  
CHRONOLOGICAL HISTORY

NBU #109  
NATURAL BUTTES UNIT  
UINTAH COUNTY, UTAH  
COASTALDRIL #1  
WI: 100% COGC AFE: 12939  
TD: 6097' (WASATCH) SD: 1/29/91  
CSG: 8-5/8" @ 266'; 5-1/2" @ 6097'  
DHC(M\$): 131.7

SE/NE SECTION 27, T9S, R21E

- 1/25/91 WORT. Start digging hole at 4:00 p.m., 1/22/91 w/Leon Ross Drilling Rig #6. Drill 12-1/4" hole to 275'. Ran 6 jts 8-5/8" K-55 24# ST&C, total 260.21' w/shoe, insert float collar, 3 centralizers. Cmt w/Western w/180 sx Prem "G" w/2% CaCl + 1/4#/sk Capseal w/wt 15.8 PPG. Cmt to surf @ 11:30 p.m., 1/24/91. CC: \$5740.
- 1/28/91 275' RURT. MIRU CoastalDril #1. Expect to spud this p.m., 1/28/91. CC: \$12,353.
- 1/29/91 275' Pressure test BOP's. RURT. NU BOP's. RU floor and PU kelly. Press test BOP's and upper & lower kelly cock. Expect to spud this a.m. CC: \$20,486.
- 1/30/91 630' Repair air compressor booster. 364'/9.5 hrs. Test BPE to 3000#, Hydril to 1500#. Witnessed by Carol Kubly of Utah State. PU BHA and tag cmt @ 213'. Drlg float, cmt & shoe. Drlg, spud well @ 6:30 p.m., 1/29/91. Rig repair. Booster blower down. Drlg w/aerated wtr. CC: \$38,726.
- 1/31/91 1522' Drlg 892'/14.5 hrs. Circ & repair booster motor. Drlg, circ, repair booster motor. Drlg, RS, svy, drlg, svy. Booster down. RU reserve pit pump. Thaw mud lines. Drlg w/wtr. SVYS: 1 deg @ 790'; 1 deg @ 1297'. CC: \$56,388.
- 2/1/91 2386' Drlg 864'/19 hrs. Drlg w/wtr. RS, svys. Drlg, install string float, unload hole. Drlg w/mist. Fill pits to aerate. Drlg w/aerated wtr. SVYS: 1 deg @ 1799'; 1 deg @ 2323'. CC: \$76,870.
- 2/2/91 3330' Drlg 944'/22.5 hrs. Drlg, RS, svys, drlg. SVYS: 1-1/4 deg @ 2683'; 1-1/2 deg @ 3183'. Drlg w/aerated wtr. CC: \$83,040.
- 2/3/91 3950' Drlg 620'/23 hrs. Drlg, RS, SVY: 1-3/4 deg @ 3626'. Drlg w/aerated wtr. PH 10+, 500 CFM. CC: \$89,358.
- 2/4/91 4560' Drlg 60'/13.5 hrs. Drlg, blow hole & kelly. TFNB, check BHA - 1 cracked pin, 2 cracked boxes. LD 3 DC's. PU 3 DC's, TIH. Fill pipe, break circ. Drlg, svy: 2 deg @ 4162'. PH 10.7, CL 24,000, 500 SCFM. CC: \$103,879.
- 2/5/91 5348' Drlg 788'/23.5 hrs. Drlg, svy: 2-1/4 deg @ 4793'. Drlg w/aerated wtr. PH 10.7, 500 SCFM. CC: \$111,250.
- 2/6/91 5925' Drlg 577'/23 hrs. Svy, drlg, RS, drlg w/aerated wtr. SVY: 1-1/2 deg @ 5298'. 500 CFM. CC: \$117,216.
- 2/7/91 6097' Flaring well, prep to strip in hole. 172'/6 hrs. Drill to 6097'. Blow well to clean up for logs. Short trip 20 stds, no drag, no fill, well dead, TOOH for logs. SLM, no correction. RU Atlas, logging. Ran DIL-GR from 5710' to surf csg. Logger's TD 5710', fluid level in 270', out 1700'. MU bit, TIH w/DC's and 1 std DP to 820'; blew in over crown. Well kicking, rams closed and flaring through choke. WO daylight to strip in hole w/DP. Drlg w/aerated wtr. PH 10.7. CC: \$125,211.
- 2/8/91 6097' TIH w/BHA to clean out bridges. Well kicking, circ through chk. Strip in w/DP through hydril and hit bridge @ 5000'. Hydril leaking, shut in well on pipe rams and kill well through choke w/10 ppg brine wtr. Set DP on pipe rams and change out hydril rubber. WO brine water. Wash bridges from 4702', 4812' & 5376'. Drlg w/brine wtr. MW 10. CC: \$146,995.
- 2/9/91 6097' PU & RIH w/5-1/2" csg. Wash and ream from 5376' to 6097'. TOH 1 std, work tight hole 6010' to 5960'. POH 15 stds ttl. LD DP. TIH 15 stds. LD DP & DC's. RU csg crew. Chg pipe rams. RIH w/5-1/2" csg. Strip in through rotating hd. 6' flare, no pressure. Drlg w/brine wtr. MW 10.0. CC: \$165,930.

COASTAL OIL & GAS CORPORATION  
CHRONOLOGICAL HISTORY

NBU #109  
NATURAL BUTTES UNIT  
UINTAH COUNTY, UTAH

PAGE 2

2/10/91 6097' RD, MORT. RIH w/5-1/2" csg. Wash 95' to btm. Ran 140 jts 5-1/2", 17#, J-55, 8rd LT&C csg. Csg tally 6104.04', set @ 6097'. FC @ 6053'. Circ csg volume w/no returns. RU Howco. Pump 40 bbls FW, 48 bbls Super Flush, 10 bbls FW. Mix and pump 510 sx Silicalite w/.3% Hal-413, 3#/sx capseal. Tail w/540 sx prem AG w/3#/sx capseal, 2% super CBL, .3% Hal-413. Displ w/140 bbls FW. Bump plug to 2310# @ 10:30 a.m., 2/9/91. Floats held. No returns. good cmt lift by pressures. ND BOPE. Set csg slips w/90,000#. Cut off csg. RR @ 3:00 p.m., 2/9/91.  
FINAL DRLG REPORT.

THE COASTAL CORPORATION  
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

Page 3

NBU #109  
SECTION 27, T9S, R21E  
NATURAL BUTTES UNIT  
UINTAH COUNTY, UTAH  
WI: 100.0% COGC AFE 12939  
TD: 6097' (WASATCH)  
SD: 1/29/91  
CSG: 5-1/2" @ 6097'  
PERFS: 5563-6006'  
CWC(M\$): \$320.9

2/14/91 MIRU CU.  
DC: \$848 TC: \$280,618

2/15/91 Prep to run logs. PU and RIH w/2-3/8" tbg. Tag PBTD @ 6042'. Circ  
csg w/3% KCl. POOH to run logs.  
DC: \$7,262 TC: \$287,880

2/16/91 Logging. MIRU Western Atlas. Run CBL-CCL-GR from WL TD of 6040' to  
TOC @ 1720'. Ran Neutron-GR log and PDK-100 log. RDMO Western  
Atlas.  
DC: \$12,894 TC: \$300,774

2/17/91 SD.

2/18/91 SD.

2/19/91 Prep to break down. MIRU Cutters. Perforate Wasatch from 5563'-  
6006' w/20 holes. Ran 2-3/8" tbg. Set @ 5400', SN @ 5370'.  
DC: \$4,440 TC: \$305,214

2/20/91 Flow testing. MIRU Smith Energy. Break down perfs w/4000 gals 3%  
KCl wtr w/40 ball sealers. AIR 6.6 BPM, AIP 4500 psi. Perfs balled  
off. ISIP 1400 psi. RU to swab. Made 7 runs. Well kicked off.  
Flowed 250 MCFD, FTP 75 psi on 20/64" choke.  
DC: \$5,291 TC: \$310,505

2/21/91 Flow testing, 410 MCFD, FTP 180 psi, 20/64" choke. RDMO Pool CU.  
DC: \$16,147 TC: \$326,652

2/22/91 Flow testing, 400 MCFD, FTP 150 psi, 20/64" choke.

2/23/91 Flow testing, 400 MCFD, FTP 150 psi, 20/64" choke. Shut well in @  
2:00 p.m., 2/22/91 for pressure buildup.

2/24/91 SITP 1875 psi.  
2/25/91 SITP 1980 psi.  
2/26/91 SITP 2038 psi.  
2/27/91 SITP 2060 psi.  
2/28/91 SITP 2080 psi.  
3/1/91 SITP 2100 psi.  
3/2/91 SITP 2095 psi.  
3/3/91 SITP 2102 psi.  
3/4/91 SITP 2107 psi.  
3/5/91 SITP 2113 psi.  
3/6/91 SITP 2117 psi.  
3/7/91 SITP 2121 psi.  
3/8/91 SITP 2124 psi.  
3/9/91 SITP 2127 psi.  
3/10/91 SITP 2131 psi.  
3/11/91 SITP 2132 psi.  
3/12/91 SITP 2135 psi.  
3/13/91 SITP 2136 psi.  
3/14/91 SITP 2138 psi.  
3/15/91 SITP 2138 psi.  
3/16/91 SITP 2142 psi.

THE COASTAL CORPORATION  
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

Page 4

NBU #109  
SECTION 27, T9S, R21E  
NATURAL BUTTES UNIT  
UINTAH COUNTY, UTAH  
WI: 100.0% COGC AFE 12939

3/17/91 SITP 2142 psi.  
3/18/91 SITP 2145 psi.  
3/19/91 SITP 2147 psi.  
3/20/91 SITP 2147 psi.  
3/21/91 SITP 2148 psi.  
3/22/91 SITP 2151 psi.  
3/23/91 SITP 2150 psi. Remove recorder @ 9:25 a.m., 3/22/91. SI, waiting on frac.

4/11/91 Cmt 5-1/2" x 8-5/8" csg annulus as follows: Pump 20 bbls LCM pill. Pump 55 sx Super "G", .7% CF<sub>2</sub>, 2% CaCl<sub>2</sub>, 1/4#/sx Cello Flake, 3#/sx Hi-Seal. Pump 200 sx Super "G" w/.7% CF<sub>2</sub>, 2% CaCl<sub>2</sub>. Fill up to surface valve.  
DC: \$7,146 TC: \$333,798

4/12/91 SI, waiting on frac. Drop from report until further activity.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

<b>WELL COMPLETION OR RECOMPLETION REPORT AND LOG</b>						3. LEASE DESIGNATION AND SERIAL NO. U-01194-A	
1A. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other _____						6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
1B. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESTV. <input type="checkbox"/> Other _____						7. UNIT AGREEMENT NAME Natural Buttes	
2. NAME OF OPERATOR Coastal Oil & Gas Corporation						8. WELL NO. 109	
3. ADDRESS OF OPERATOR P. O. Box 749, Denver, Colorado 80201-0749 (303) 573-4476						9. FARM OR LEASE NAME NBU	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 2037' FNL & 605' FEL (SENE) At top prod. interval reported below Same as above At total depth Same as above						10. FIELD AND POOL, OR WILDCAT Natural Buttes	
14. API NO. 43-047-31917      DATE ISSUED 11/30/90						12. COUNTY Uintah	
						13. STATE Utah	
15. DATE SPUNDED 1-22-91		16. DATE T.D. REACHED 2/6/91		17. DATE COMPL. (Ready to prod.) 2/22/91 (Plug & Abd.)		18. ELEVATIONS (DF, HEB, RT, CR, ETC.) 4921' GR	
19. ELEV. CASINGHEAD		20. TOTAL DEPTH, MD & TVD 6097'		21. PLUG BACK T.D., MD & TVD 6042'		22. IF MULTIPLE COMPL., HOW MANY	
23. INTERVALS DRILLED BY SFC-TD						24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) 5563-6006' Wasatch	
25. WAS DIRECTIONAL SURVEY MADE NO							
26. TYPE ELECTRIC AND OTHER LOGS RUN DIL-GR, CBL-CCL-GR, Neutron GR						27. WAS WELL CORED YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> (Submit analysis) DRILL STEM TEST YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> (See reverse side)	
<b>28. CASING RECORD (Report all strings set in well)</b>							
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
8-5/8"		24#		266'		12-1/4"	
5-1/2"		17#		6,097'		7-7/8"	
CEMENTING RECORD						AMOUNT FULLED	
180 sx Prem + additives						NONE	
510 sx Silicalite, 540 sx Prem AG						NONE	
255 sx Cl "G" (See chrono for Bullhead squeeze)							
<b>29. LINER RECORD</b>							
SIZE		TOP (MD)		BOTTOM (MD)		PACKS CEMENT	
<b>30. TUBING RECORD</b>							
SIZE		DEPTH SET (MD)		PACKS SET (MD)			
2-3/8"		5400'		N/A			
<b>31. PERFORATION RECORD (Interval, size and number)</b>							
1 JSPF using 4" csg gun @ following depths							
5563'		5661'		5813'		5915'	
5565'		5666'		5816'		5919'	
5569'		5671'		5820'		5998'	
5655'		5731'		5905'		6003'	
5659'		5735'		5910'		6006'	
<b>32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.</b>							
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
5563-6006'				4000 gals KCL wtr w/40" B.S.			
<b>33. PRODUCTION</b>							
DATE FIRST PRODUCTION 2/19/91		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing				WELL STATUS (Producing or shut-in) SI	
DATE OF TEST 2/22/91		SOURS TESTED 24		CHOKER SIZE 20/64		PROD'N. FOR TEST PERIOD	
						OIL—BBL. 0      GAS—MCF. 400      WATER—BBL. 0      GAS-OIL RATIO N/A	
FLOW. TUBING PRISM. 150		CASING PRESSURE 260		CALCULATED 24-HOUR RATE		OIL GRAVITY-API (CORR.)	
						N/A	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) SIWOPL						TEST WITNESSED BY H. Ivie	
35. LIST OF ATTACHMENTS Chronological Report							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED <i>Eileen Danni Doy</i>				TITLE Regulatory Analyst		DATE 5/17/91	

See Spaces for Additional Data on Reverse Side

## INSTRUCTIONS

This form should be completed in compliance with the Utah Oil and Gas Conservation General Rules. If not filed prior to this time, all logs, tests, and directional surveys as required by Utah Rules should be attached and submitted with this report.

ITEM 18: Indicate which elevation is used as reference for depth measurements given in other spaces on this form and on any attachments.  
 ITEMS 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

ITEM 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

ITEM 33: Submit a separate completion report on this form for each interval to be separately produced (see instruction for items 22 and 24 above).

37. SUMMARY OF POROUS ZONES: Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.	Top	Bottom	Description, contents, etc.	38. GEOLOGIC MARKERS	
Formation	Top	Bottom	Name	Meas. Depth	True Vert. Depth
				4798'	4798'
			Wasatch Fm.		



MAY 23 1991

DIVISION OF  
OIL GAS & MINING

THE COASTAL CORPORATION  
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

Page 4

NBU #109  
SECTION 27, T9S, R21E  
NATURAL BUTTES UNIT  
UINTAH COUNTY, UTAH  
WI: 100.0% COGC AFE 12939

3/17/91 SITP 2142 psi.  
3/18/91 SITP 2145 psi.  
3/19/91 SITP 2147 psi.  
3/20/91 SITP 2147 psi.  
3/21/91 SITP 2148 psi.  
3/22/91 SITP 2151 psi.  
3/23/91 SITP 2150 psi. Remove recorder @ 9:25 a.m., 3/22/91. SI, waiting on frac.

4/11/91 Cmt 5-1/2" x 8-5/8" csg annulus as follows: Pump 20 bbls LCM pill. Pump 55 sx Super "G", .7% CF2, 2% CaCl<sub>2</sub>, 1/4#/sx Cello Flake, 3#/sx Hi-Seal. Pump 200 sx Super "G" w/.7% CF2, 2% CaCl<sub>2</sub>. Fill up to surface valve.  
DC: \$7,146 TC: \$333,798

4/12/91 SI, waiting on frac. Drop from report until further activity.

THE COASTAL CORPORATION  
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

Page 3

NBU #109  
SECTION 27, T9S, R21E  
NATURAL BUTTES UNIT  
UINTAH COUNTY, UTAH  
WI: 100.0% COGC AFE 12939  
TD: 6097' (WASATCH)  
SD: 1/29/91  
CSG: 5-1/2" @ 6097'  
PERFS: 5563-6006'  
CWC(M\$): \$320.9

2/14/91 MIRU CU.  
DC: \$848 TC: \$280,618

2/15/91 Prep to run logs. PU and RIH w/2-3/8" tbg. Tag PBTD @ 6042'. Circ  
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DC: \$7,262 TC: \$287,880

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Atlas.  
DC: \$12,894 TC: \$300,774

2/17/91 SD.

2/18/91 SD.

2/19/91 Prep to break down. MIRU Cutters. Perforate Wasatch from 5563'-  
6006' w/20 holes. Ran 2-3/8" tbg. Set @ 5400', SN @ 5370'.  
DC: \$4,440 TC: \$305,214

2/20/91 Flow testing. MIRU Smith Energy. Break down perfs w/4000 gals 3%  
KCl wtr w/40 ball sealers. AIR 6.6 BPM, AIP 4500 psi. Perfs balled  
off. ISIP 1400 psi. RU to swab. Made 7 runs. Well kicked off.  
Flowed 250 MCFD, FTP 75 psi on 20/64" choke.  
DC: \$5,291 TC: \$310,505

2/21/91 Flow testing, 410 MCFD, FTP 180 psi, 20/64" choke. RDMO Pool CU.  
DC: \$16,147 TC: \$326,652

2/22/91 Flow testing, 400 MCFD, FTP 150 psi, 20/64" choke.

2/23/91 Flow testing, 400 MCFD, FTP 150 psi, 20/64" choke. Shut well in @  
2:00 p.m., 2/22/91 for pressure buildup.

2/24/91 SITP 1875 psi.  
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3/9/91 SITP 2127 psi.  
3/10/91 SITP 2131 psi.  
3/11/91 SITP 2132 psi.  
3/12/91 SITP 2135 psi.  
3/13/91 SITP 2136 psi.  
3/14/91 SITP 2138 psi.  
3/15/91 SITP 2138 psi.  
3/16/91 SITP 2142 psi.

COASTAL OIL & GAS CORPORATION  
CHRONOLOGICAL HISTORY

NBU #109  
NATURAL BUTTES UNIT  
UINTAH COUNTY, UTAH

PAGE 2

2/10/91 6097' RD, MORT. RIH w/5-1/2" csg. Wash 95' to btm. Ran 140 jts 5-1/2", 17#, J-55, 8rd LT&C csg. Csg tally 6104.04', set @ 6097'. FC @ 6053'. Circ csg volume w/no returns. RU Howco. Pump 40 bbls FW, 48 bbls Super Flush, 10 bbls FW. Mix and pump 510 sx Silicalite w/.3% Hal-413, 3#/sx capseal. Tail w/540 sx prem AG w/3#/sx capseal, 2% super CBL, .3% Hal-413. Displ w/140 bbls FW. Bump plug to 2310# @ 10:30 a.m., 2/9/91. Floats held. No returns. good cmt lift by pressures. ND BOPE. Set csg slips w/90,000#. Cut off csg. RR @ 3:00 p.m., 2/9/91.  
FINAL DRLG REPORT.

COASTAL OIL & GAS CORPORATION  
CHRONOLOGICAL HISTORY

NBU #109  
NATURAL BUTTES UNIT  
UINTAH COUNTY, UTAH  
COASTALDRIL #1  
WI: 100% COGC AFE: 12939  
TD: 6097' (WASATCH) SD: 1/29/91  
CSG: 8-5/8" @ 266'; 5-1/2" @ 6097'  
DHC(M\$): 131.7

SE/NE SECTION 27, T9S, R21E

- 1/25/91 WORT. Start digging hole at 4:00 p.m., 1/22/91 w/Leon Ross Drilling Rig #6. Drill 12-1/4" hole to 275'. Ran 6 jts 8-5/8" K-55 24# ST&C, total 260.21' w/shoe, insert float collar, 3 centralizers. Cmt w/Western w/180 sx Prem "G" w/2% CaCl + 1/4#/sk Capseal w/wt 15.8 PPG. Cmt to surf @ 11:30 p.m., 1/24/91. CC: \$5740.
- 1/28/91 275' RURT. MIRU CoastalDril #1. Expect to spud this p.m., 1/28/91. CC: \$12,353.
- 1/29/91 275' Pressure test BOP's. RURT. NU BOP's. RU floor and PU kelly. Press test BOP's and upper & lower kelly cock. Expect to spud this a.m. CC: \$20,486.
- 1/30/91 630' Repair air compressor booster. 364'/9.5 hrs. Test BPE to 3000#, Hydril to 1500#. Witnessed by Carol Kubly of Utah State. PU BHA and tag cmt @ 213'. Drlg float, cmt & shoe. Drlg, spud well @ 6:30 p.m., 1/29/91. Rig repair. Booster blower down. Drlg w/aerated wtr. CC: \$38,726.
- 1/31/91 1522' Drlg 892'/14.5 hrs. Circ & repair booster motor. Drlg, circ, repair booster motor. Drlg, RS, svy, drlg, svy. Booster down. RU reserve pit pump. Thaw mud lines. Drlg w/wtr. SVYS: 1 deg @ 790'; 1 deg @ 1297'. CC: \$56,388.
- 2/1/91 2386' Drlg 864'/19 hrs. Drlg w/wtr. RS, svys. Drlg, install string float, unload hole. Drlg w/mist. Fill pits to aerate. Drlg w/aerated wtr. SVYS: 1 deg @ 1799'; 1 deg @ 2323'. CC: \$76,870.
- 2/2/91 3330' Drlg 944'/22.5 hrs. Drlg, RS, svys, drlg. SVYS: 1-1/4 deg @ 2683'; 1-1/2 deg @ 3183'. Drlg w/aerated wtr. CC: \$83,040.
- 2/3/91 3950' Drlg 620'/23 hrs. Drlg, RS, SVY: 1-3/4 deg @ 3626'. Drlg w/aerated wtr. PH 10+, 500 CFM. CC: \$89,358.
- 2/4/91 4560' Drlg 60'/13.5 hrs. Drlg, blow hole & kelly. TFNB, check BHA - 1 cracked pin, 2 cracked boxes. LD 3 DC's. PU 3 DC's, TIH. Fill pipe, break circ. Drlg, svy: 2 deg @ 4162'. PH 10.7, CL 24,000, 500 SCFM. CC: \$103,879.
- 2/5/91 5348' Drlg 788'/23.5 hrs. Drlg, svy: 2-1/4 deg @ 4793'. Drlg w/aerated wtr. PH 10.7, 500 SCFM. CC: \$111,250.
- 2/6/91 5925' Drlg 577'/23 hrs. Svy, drlg, RS, drlg w/aerated wtr. SVY: 1-1/2 deg @ 5298'. 500 CFM. CC: \$117,216.
- 2/7/91 6097' Flaring well, prep to strip in hole. 172'/6 hrs. Drill to 6097'. Blow well to clean up for logs. Short trip 20 stds, no drag, no fill, well dead, TOOH for logs. SLM, no correction. RU Atlas, logging. Ran DIL-GR from 5710' to surf csg. Logger's TD 5710', fluid level in 270', out 1700'. MU bit, TIH w/DC's and 1 std DP to 820'; blew in over crown. Well kicking, rams closed and flaring through choke. WO daylight to strip in hole w/DP. Drlg w/aerated wtr. PH 10.7. CC: \$125,211.
- 2/8/91 6097' TIH w/BHA to clean out bridges. Well kicking, circ through chk. Strip in w/DP through hydril and hit bridge @ 5000'. Hydril leaking, shut in well on pipe rams and kill well through choke w/10 ppg brine wtr. Set DP on pipe rams and change out hydril rubber. WO brine water. Wash bridges from 4702', 4812' & 5376'. Drlg w/brine wtr. MW 10. CC: \$146,995.
- 2/9/91 6097' PU & RIH w/5-1/2" csg. Wash and ream from 5376' to 6097'. TOH 1 std, work tight hole 6010' to 5960'. POH 15 stds ttl. LD DP. TIH 15 stds. LD DP & DC's. RU csg crew. Chg pipe rams. RIH w/5-1/2" csg. Strip in through rotating hd. 6' flare, no pressure. Drlg w/brine wtr. MW 10.0. CC: \$165,930.

**RECEIVED**

MAY 21 1991

DIVISION OF  
OIL GAS & MINING

Coastal Oil & Gas  
NBU #109 43-047-31917  
Section 27  
Township 9S  
Range 21E  
County Uintah, Utah  
1-27-91  
Tested by Paul Yoder

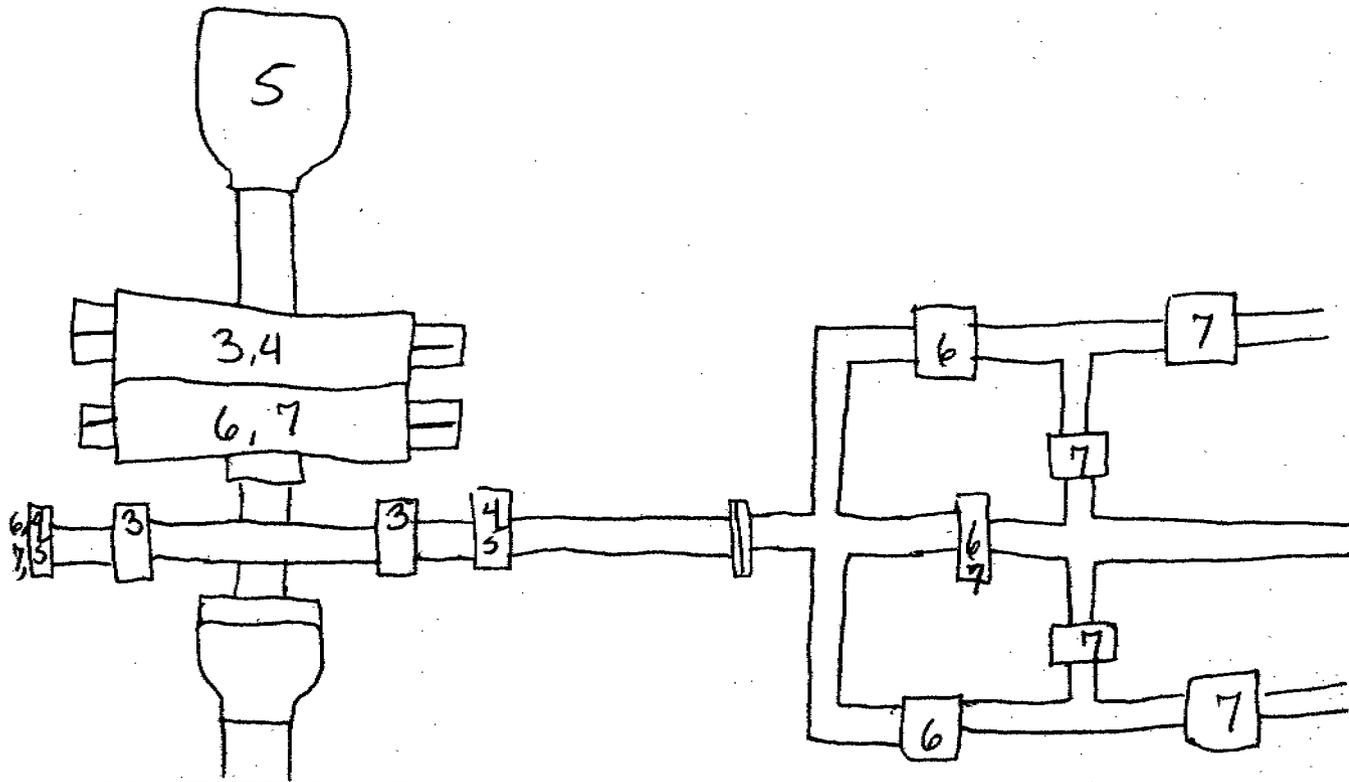
QUICK TEST INC.  
OFFICE (801) 789-8159

Coastal Oil & Gas  
NBU #109  
1-29-91

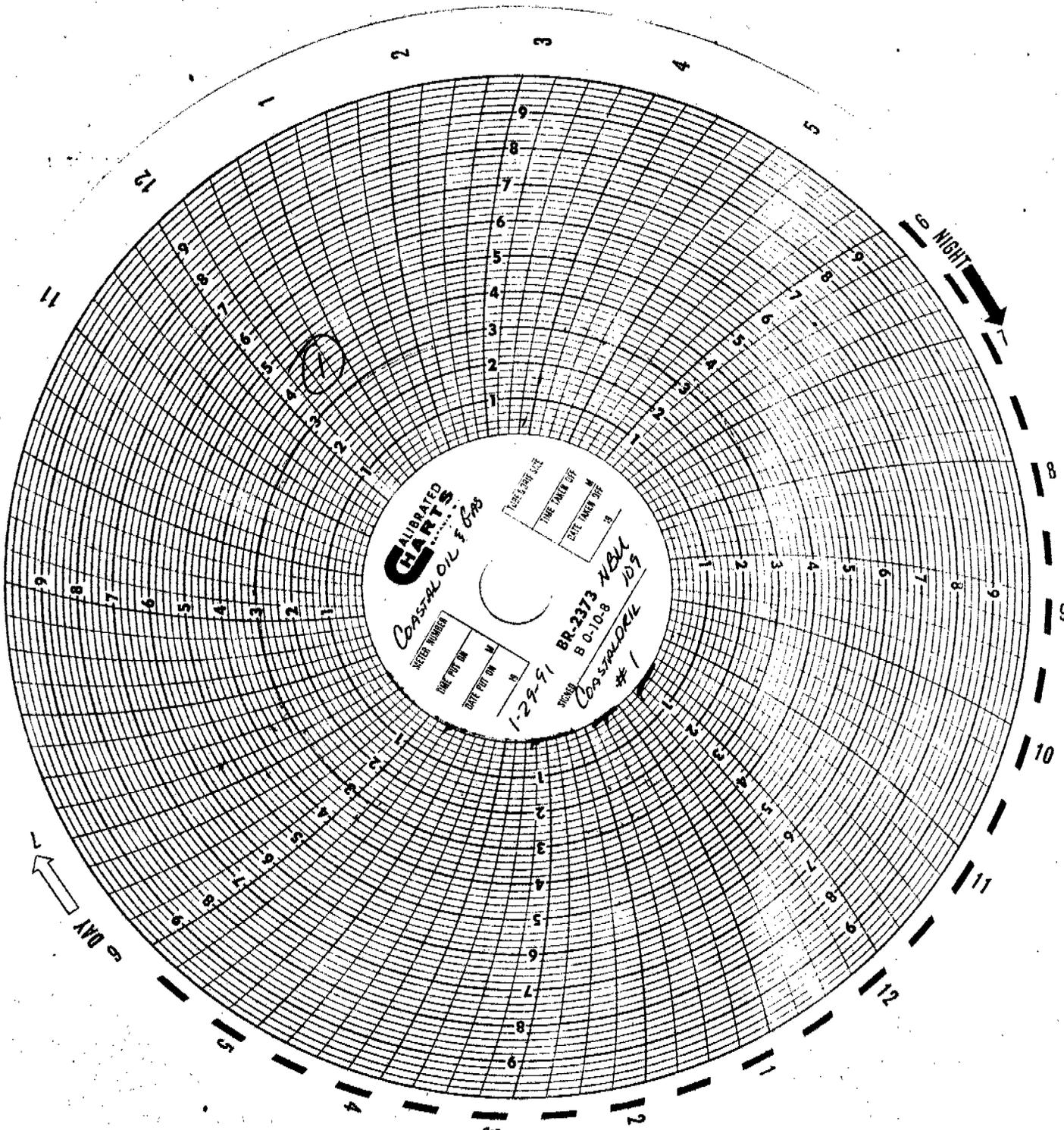
TEST #	ITEM TESTED	PRESSURE	MIN. HELD	RESULTS
1	Lower Kelly Cock	3000	15	No visible leaks
2	Upper Kelly Cock	3000	15	No visible leaks
3	Pipe Rams, 1st choke, 1st kill	3000	15	No visible leaks
5	Hydril, 2nd choke, check valve	1500	15	No visible leaks
6	Blind Rams, check valve, 1st choke manifold valves	3000	15	No visible leaks
7	Blind Rams, check valve, 2nd set choke manifold valves	3000	15	No visible leaks

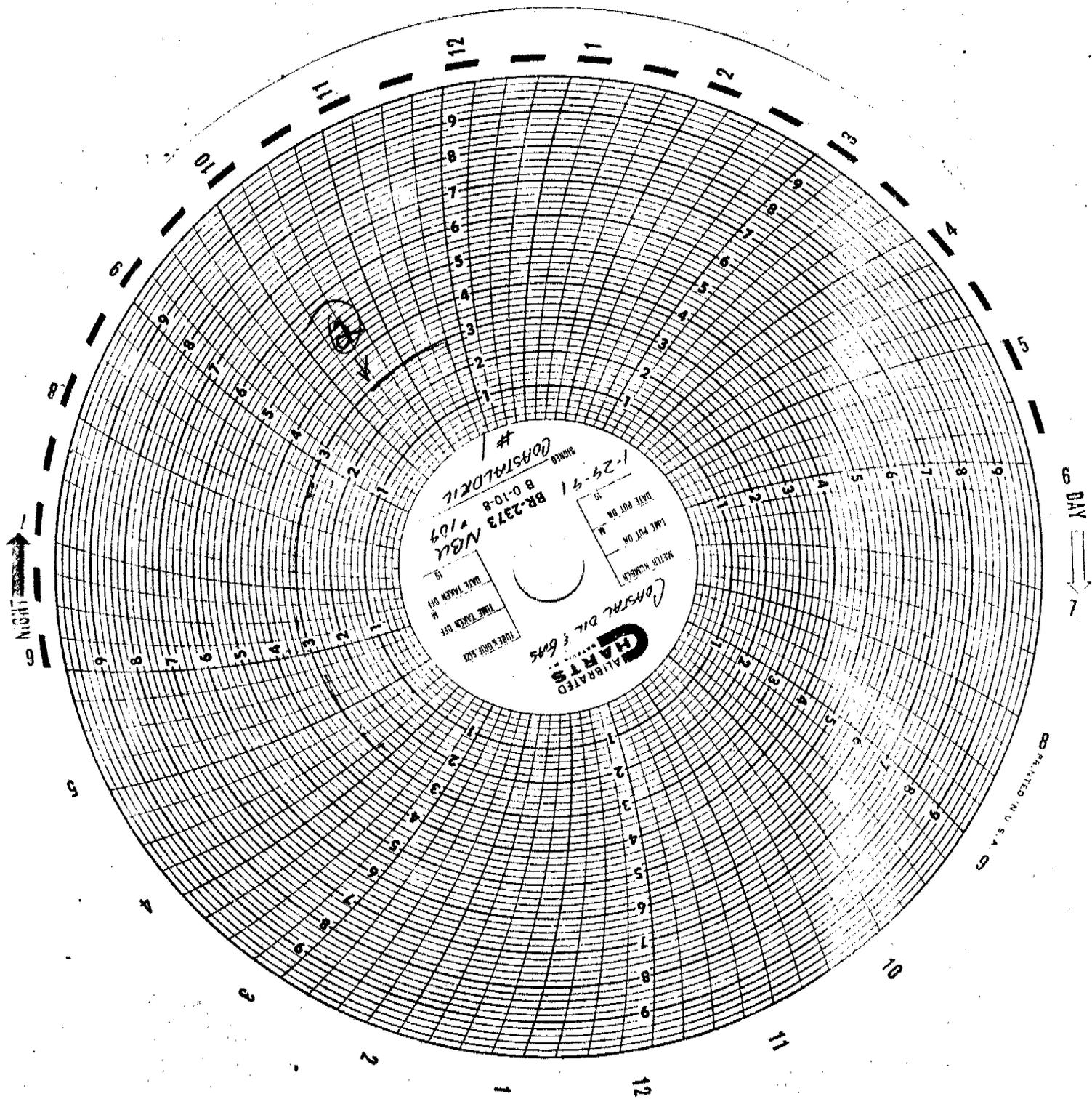
COASTAL OIL & GAS  
COASTAL DRILL # 1

1-29-91  
NBU # 109

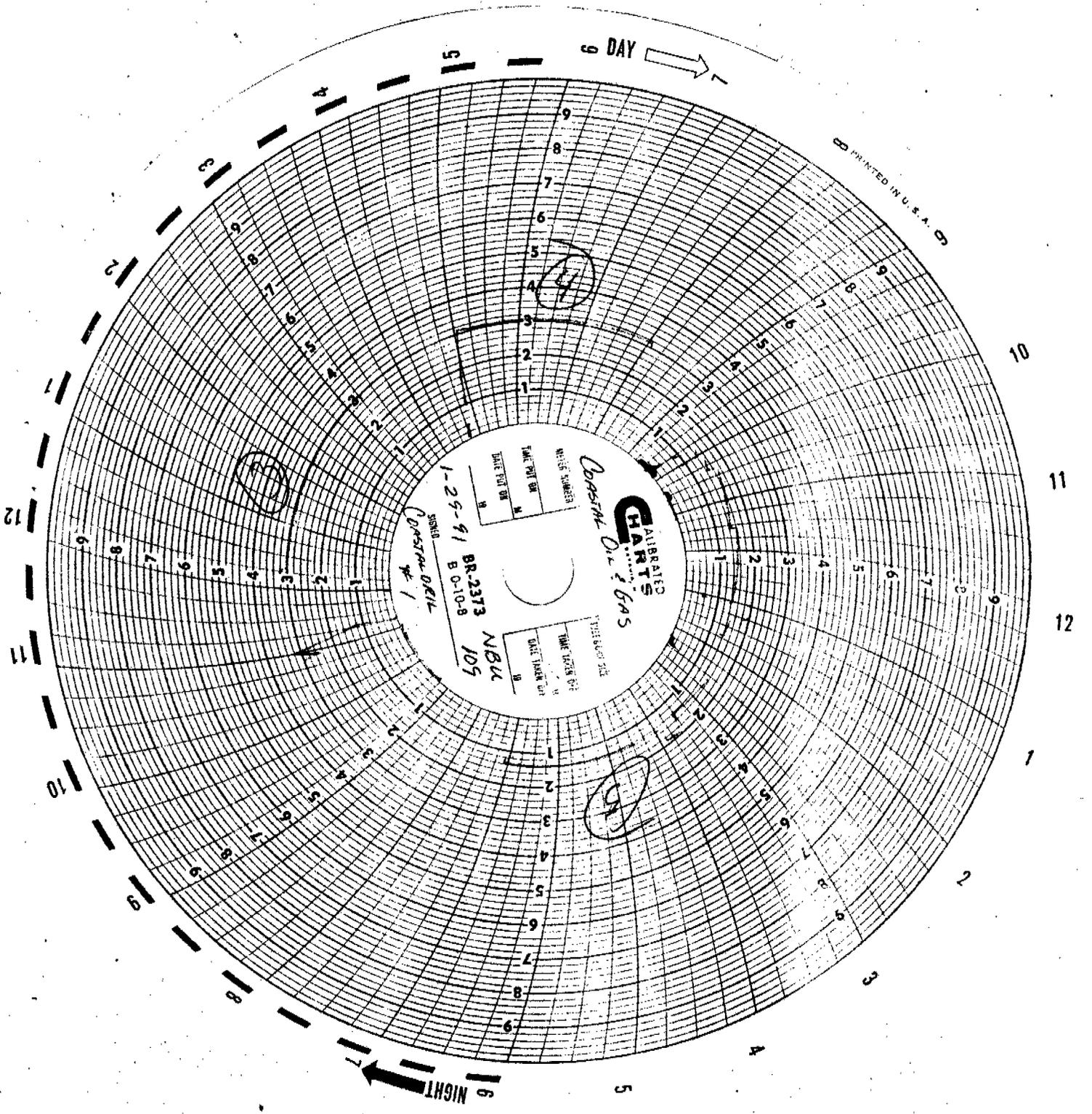


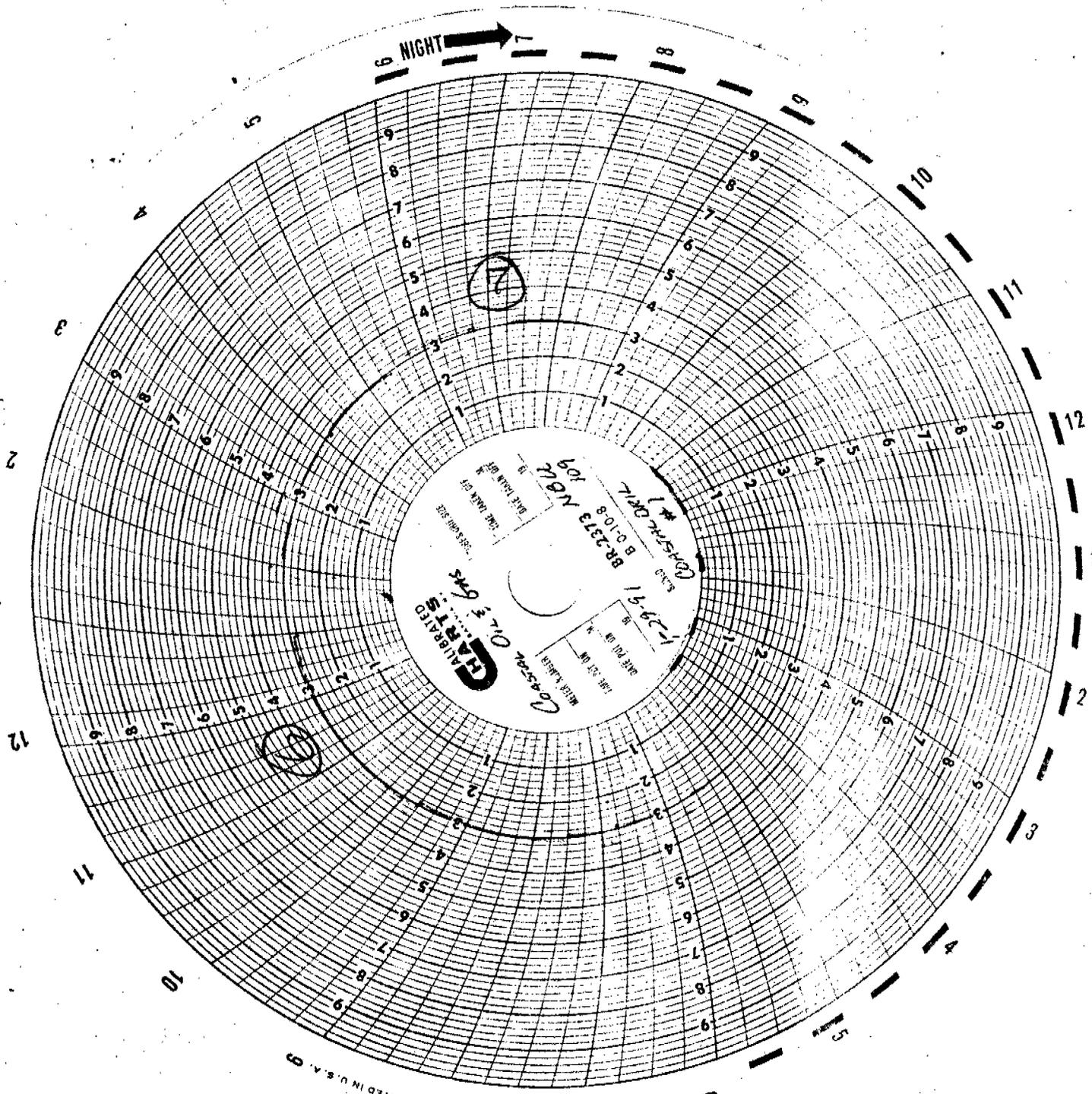
CO PRINTED IN U. S. A. 67





PRINTED IN U.S.A.





PRINTED IN U.S.A.

DAY

NIGHT

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

6. Lease Designation and Serial Number	U-01194-A
7. Indian Allottee or Tribe Name	N/A
8. Unit or Communitization Agreement	Natural Buttes Unit
9. Well Name and Number	NBU #109
10. API Well Number	43-047-31917
11. Field and Pool, or Wildcat	Natural Buttes

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— for such proposals.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify)
2. Name of Operator Coastal Oil & Gas Corporation
3. Address of Operator P. O. Box 749, Denver, Colorado 80201-0749
4. Telephone Number (303) 573-4476
5. Location of Well Footage: 2037' FNL & 605' FEL Co. Sec. T. R. M.: SENE Section 27, T9S-R21E County: Uintah State: UTAH

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

NOTICE OF INTENT  
(Submit in Duplicate)

- Abandonment
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Multiple Completion
- Other Pipeline R-O-W
- New Construction
- Pull or Alter Casing
- Recompletion
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

Approximate Date Work Will Start \_\_\_\_\_

SUBSEQUENT REPORT  
(Submit Original Form Only)

- Abandonment
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Other
- New Construction
- Pull or Alter Casing
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

Date of Work Completion \_\_\_\_\_

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.  
\* Must be accompanied by a cement verification report.

13. 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.)

Coastal Oil & Gas Corporation requests a right-of-way to install a 4" gas pipeline from the NBU #109 gas well and tie into the existing CIG gas pipeline. This right-of-way will be located in Section 27, T9S-R21E within lease #U-01194-A and within the Natural Buttes Unit boundaries. Coastal requests a 30' width easement with a total slope distance of  $\pm 2430'$ . There will be minimum surface disturbance as the pipeline will be laid on the surface. Please see the attached topographic map which illustrates this proposed right-of-way.



AUG 22 1991

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

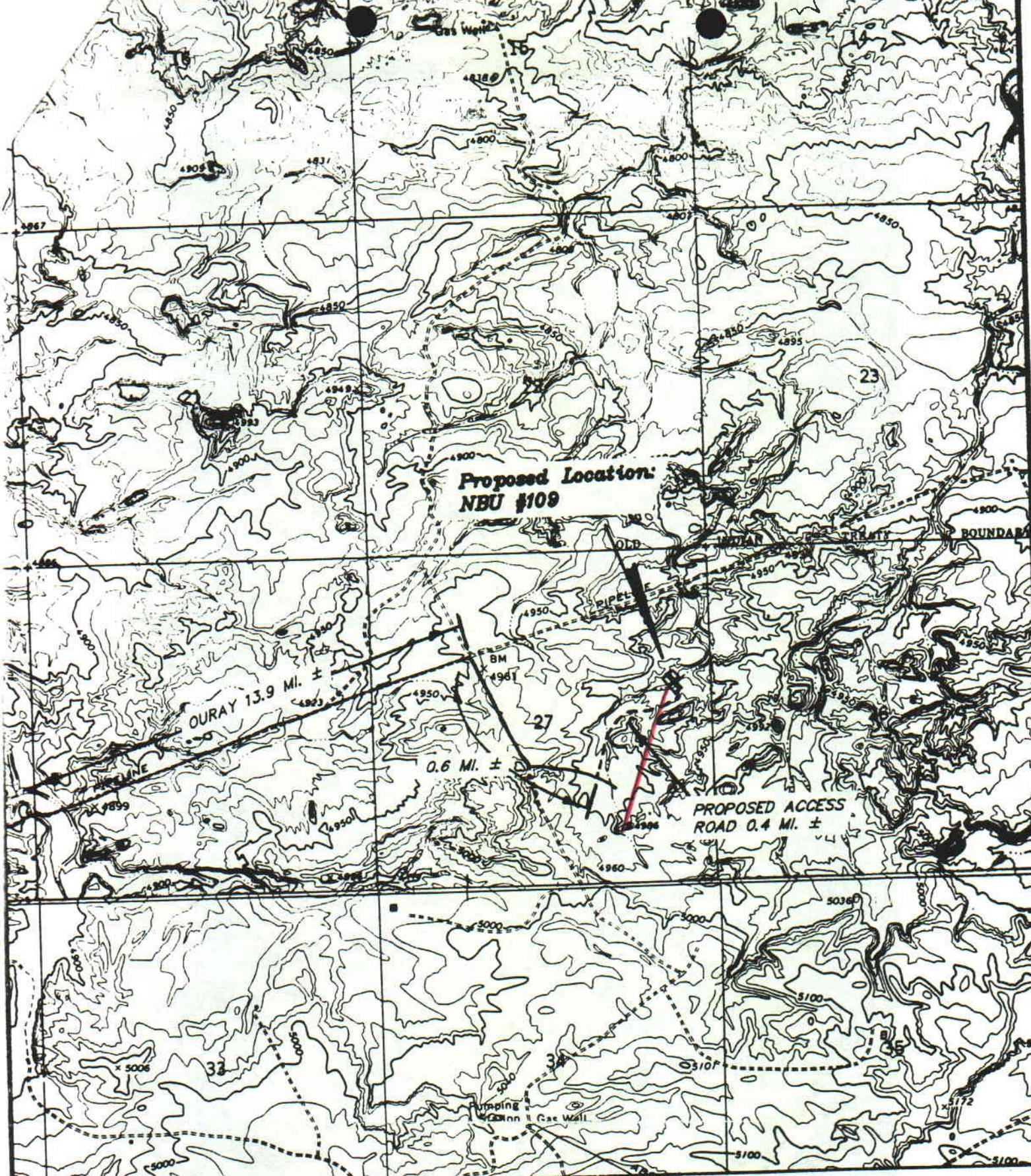
DIVISION OF OIL GAS & MINING DATE: 8-26-91  
BY: J. P. Matthews

I hereby certify that the foregoing is true and correct

Name & Signature: *Eden Cami Rey*

Title: Regulatory Analyst Date: 8/20/91

(State Use Only)



**Proposed Location:  
NBU #109**

OURAY 13.9 Mi. ±

0.6 Mi. ±

PROPOSED ACCESS  
ROAD 0.4 Mi. ±

*PROPOSED PIPELINE RIGHT-OF-WAY*

**TOPOGRAPHIC  
MAP "B"**

SCALE: 1" = 2000'  
DATE 10-12-90



**COASTAL OIL & GAS CORP.**

**NBU #109  
SECTION 27, T9S, R21E, S.L.B.&M.**

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

6. Lease Designation and Serial Number	U-01194-A
7. Indian Allottee or Tribe Name	N/A
8. Unit or Communitization Agreement	Natural Buttes Unit
9. Well Name and Number	NBU #109
10. API Well Number	43-047-31917
11. Field and Pool, or Wildcat	Natural Buttes

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 for such proposals.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify)	2. Name of Operator Coastal Oil & Gas Corporation
3. Address of Operator P. O. Box 749 Denver, CO 80201-0749	4. Telephone Number (303) 573-4476
5. Location of Well Footage 2037' FNL & 605' FEL Qd. Sec. T., R., M. : SE/NE Section 27, T9S-R21E	County : Uintah State : UTAH

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

NOTICE OF INTENT  
(Submit in Duplicate)

- Abandonment
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Multiple Completion
- Other
- New Construction
- Pull or Alter Casing
- Recompletion
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

SUBSEQUENT REPORT  
(Submit Original Form Only)

- Abandonment
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Other
- New Construction
- Pull or Alter Casing
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

Approximate Date Work Will Start \_\_\_\_\_

Date of Work Completion \_\_\_\_\_

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.  
Must be accompanied by a cement verification report.

13. 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 report for the fracture treatment performed on the above referenced well.

RECEIVED

OCT 21 1991

DIVISION OF  
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct  
Name & Signature Eileen Danni Day Title Regulatory Analyst Date 10/16/91  
(State Use Only)

THE COASTAL CORPORATION  
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

NBU #109  
SECTION 27, T9S, R21E  
NATURAL BUTTES UNIT  
UINTAH COUNTY, UTAH  
WI: 100.0% COGC AFE 12939

Page 4

3/17/91 SITP 2142 psi.  
3/18/91 SITP 2145 psi.  
3/19/91 SITP 2147 psi.  
3/20/91 SITP 2147 psi.  
3/21/91 SITP 2148 psi.  
3/22/91 SITP 2151 psi.  
3/23/91 SITP 2150 psi. Remove recorder @ 9:25 a.m., 3/22/91. SI, waiting on frac.

4/11/91 Cmt 5-1/2" x 8-5/8" csg annulus as follows: Pump 20 bbls LCM pill. Pump 55 sx Super "G", .7% CF<sub>2</sub>, 2% CaCl<sub>2</sub>, 1/4#/sx Cello Flake, 3#/sx Hi-Seal. Pump 200 sx Super "G" w/.7% CF<sub>2</sub>, 2% CaCl<sub>2</sub>. Fill up to surface valve.  
DC: \$7,146 TC: \$333,798

4/12/91 SI, waiting on frac. Drop from report until further activity.

8/19/91 Flow back frac. MIRU Dowell. Frac well w/1000 gal acid, 880 bbl gel, 202,000# sand, 274 tons CO<sub>2</sub>. AIR 40 BPM, AIP 3400 psi.  
DC: \$89,350 TC: \$423,148

8/20/91 Flowing 1.9 MMCFD CO<sub>2</sub>, FTP 1275 psi, CP 850 psi, 16/64" choke.

8/22/91 Flowing 1.3 MMCFD CO<sub>2</sub>, FTP 875 psi, CP 750 psi, 16/64" choke.

8/24/91 Flowing 1.0 MMCFD CO<sub>2</sub>, FTP 700 psi, CP 625 psi, 16/64" choke.

8/25/91 Flowing 950 MCFD CO<sub>2</sub>, FTP 650 psi, CP 575 psi, 16/64" choke.

8/26/91 Flowing 880 MCFD gas, FTP 600 psi, CP 550 psi, 16/64" choke.

8/27/91 SI, waiting on pipeline.

8/30/91 Flow testing well. MIRU Pool. PU tbg, sand @ 5670'. CO sand to 6042'. Lost 720 bbls 3% KCL. POOH w/extra tbg.  
DC: \$2,450 TC: \$425,598

8/31/91 Flowing 2.0 MMCFD, FTP 900 psi, CP 1150 psi, 20/64" choke.  
DC: \$1,350 TC: \$426,948

9/1/91 Flowing 1.9 MMCFD, FTP 800 psi, CP 900 psi, 20/64" choke.

9/2/91 Flowing 1.9 MMCFD, FTP 775 psi, CP 850 psi, 20/64" choke. 10-20 BWP.

9/3/91 Flowing 1.8 MMCFD, FTP 750 psi, CP 825 psi, 20/64" choke. 10-20 BWP.

9/4/91 Flowing. RU Schlumberger. Run frac tracer log. Flowing 1.9 MMCFD, FTP 800 psi, CP 900 psi, 20/64" choke. 10-20 BWP. Drop from report until further activity.  
DC: \$5,600 TC: \$432,548

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

6. Lease Designation and Serial Number

U-01194-A

7. Indian Allottee or Tribe Name

N/A

8. Unit or Communitization Agreement

Natural Buttes Unit

9. Well Name and Number

NBU #109

10. API Well Number

43-047-31917

11. Field and Pool, or Wildcat

Natural Buttes

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 — for such proposals.

1. Type of Well  
 Oil Well  Gas Well  Other (specify)

2. Name of Operator  
Coastal Oil & Gas Corporation

3. Address of Operator  
P. O. Box 749 Denver, CO 80201-0749

4. Telephone Number  
(303) 573-4476

5. Location of Well  
Footage 2037' FNL & 605' FEL  
Q.C. Sec. T. R. M. : SE/NE Section 27-T9S-R21E

County : Uintah  
State : UTAH

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

NOTICE OF INTENT  
(Submit in Duplicate)

- Abandonment
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Multiple Completion
- Other
- New Construction
- Pull or Alter Casing
- Recompletion
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

Approximate Date Work Will Start \_\_\_\_\_

SUBSEQUENT REPORT  
(Submit Original Form Only)

- Abandonment
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Other Report of First Production & Sales
- New Construction
- Pull or Alter Casing
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

Date of Work Completion \_\_\_\_\_

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.  
\* Must be accompanied by a cement verification report.

13. 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.)

The above referenced well was connected to CIG's gas sales pipeline and first sales occurred @ 10:45 a.m., 10/17/91, with a rate of 1.5 MCFGD, FTP 1929 psi, SICP 1894 psi on 12/64" choke.

RECEIVED

OCT 23 1991

DIVISION OF  
OIL GAS & MINING

I hereby certify that the foregoing is true and correct

Name & Signature *Erleen Damm Day*

Title Regulatory Analyst Date 10/18/91

State Use Only Erleen Damm Day

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

APR 17 1992

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

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

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

Coastal Oil & Gas Corporation

3. Address and Telephone No

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

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

See Attached List

5. Lease Designation and Serial No.

See Attached List

6. If Indian, Allottee or Tribe Name

See Attached List

7. If Unit or CA, Agreement Designation

Natural Buttes Unit

8. Well Name and No.

See Attached List

9. API Well No.

See Attached List

10. Field and Pool, or Exploratory Area

Natural Buttes

11. County or Parish, State

Uintah County, Utah

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

TYPE OF SUBMISSION

TYPE OF ACTION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

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

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

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

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

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

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

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

Signed Bileen Danni Day  
(This space for Federal or State office use)

Title Regulatory Analyst

Date 4/14/92

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

Date: 4-29-92

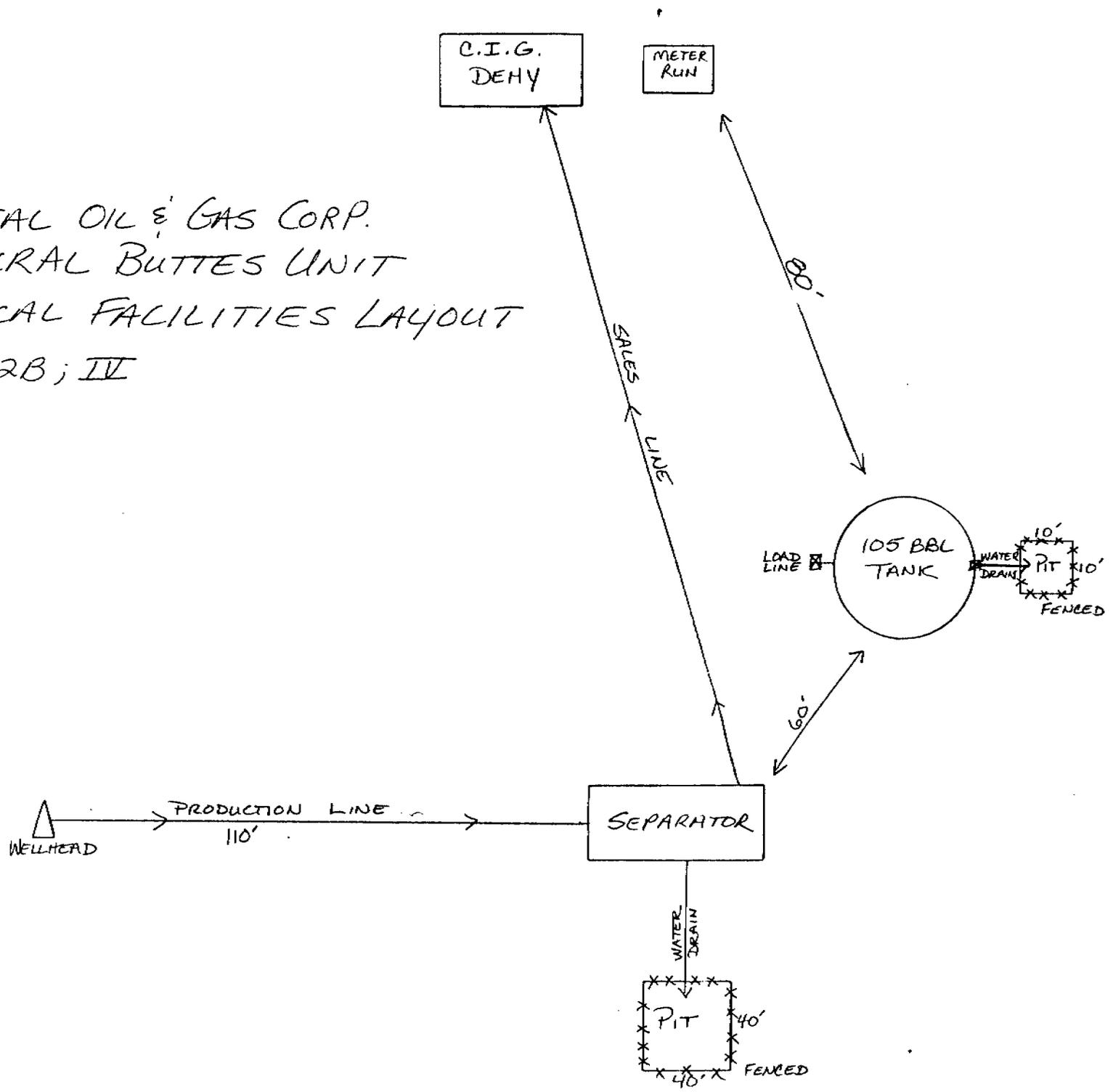
BY: [Signature]

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

Title \_\_\_\_\_

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

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



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

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

13-Apr-92

NATURAL BUTTES

UINTAH COUNTY, UTAH

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

5. Lease Designation and Serial Number:

U-01194-A

**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.

6. If Indian, Allottee or Tribe Name:

N/A

7. Unit Agreement Name:

Natural Buttes

1. Type of Well:

OIL  GAS  OTHER:

8. Well Name and Number:

NBU #109

2. Name of Operator:

Coastal Oil & Gas Corporation

9. API Well Number:

43-047-31917

3. Address and Telephone Number:

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

(303) 573-4476

10. Field and Pool, or Wildcat:

Natural Buttes

4. Location of Well

Footages: 2037' FNL & 605' FEL

County: Uintah

QQ, Sec. T., R., M.: SE/NE Section 27, T9S-R21E

State: Utah

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

**NOTICE OF INTENT**

(Submit in Duplicate)

- Abandon
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Multiple Completion
- Other COinstall PLE
- New Construction
- Pull or Alter Casing
- Recompletion
- Perforate
- Vent or Flare
- Water Shut-Off

**SUBSEQUENT REPORT**

(Submit Original Form Only)

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

Approximate date work will start \_\_\_\_\_ Upon approval \_\_\_\_\_

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

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

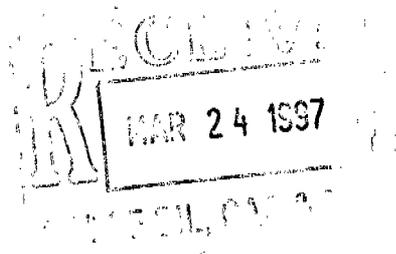
\* Must be accompanied by a cement verification report.

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 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 #109-27-9-21**  
**NATURAL BUTTES FIELD**  
**SECTION 27 T9S R21E**  
**WORKOVER PROCEDURE**

**WELL DATA**

LOCATION: 2037' FNL 605' FEL SEC. 27 T9S R21E  
ELEVATION: 4921' GR., 4935' KB.  
TD: 6097', PBSD 6042' (9/91) WLS(11/96) 5979'  
CSG: 8-5/8", 24.0#, K-55 @ 266' w/ 180 SX.  
5-1/2", 17.0#, J-55 @ 6097' w/ 1050 SX.  
CMT ANNULUS w/ 255 SX.  
TBG: 2-3/8", 4.7#, J-55 @ 5400'  
FORMATION(S): WASATCH 5563' - 6006', 20 HOLES (9/91)

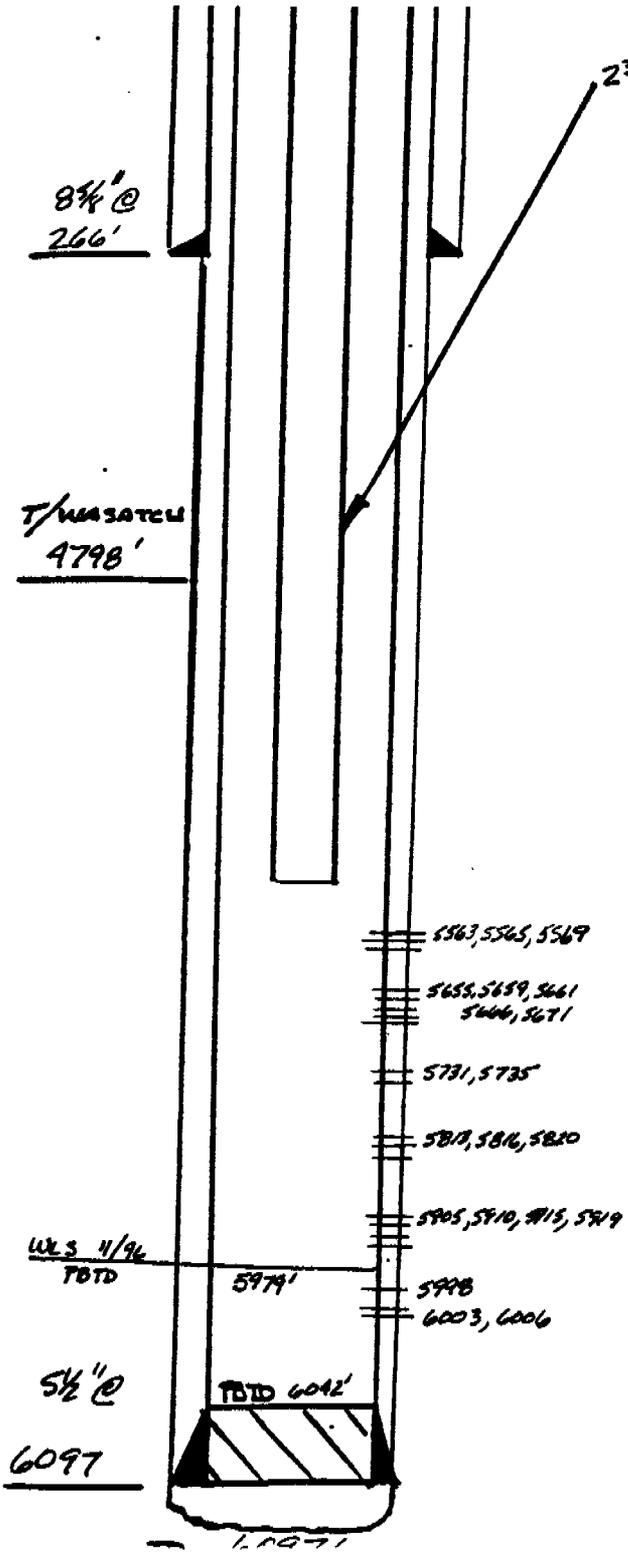
**PROCEDURE**

1. MI & RU pulling unit. Blow down & kill well w/ minimum amount of kill fluid. Kill fluid being fresh water w/ clay stabilizing additives such as Halliburton's Cla-Sta or Dowell's L-64. ND WH. NU BOP.
2. MI & RU Air/Foam unit. Circ hole w/ kill fluid foamed w/ air. CO from 5979' TO 6042' (PBSD). PU & land 2-3/8" tbg @ 5919'. RIH w/ Broach to check 2-3/8" tbg for scale. POOH w/ Broach.
3. ND BOP. NU WH. RD & MO Air/Foam and pulling units.
4. Install PLE. Swab/flow well to clean up. Return the well to sales.

NBU #109-27-9-21  
 NATURAL BUTTES FIELD  
 SECTION 27 T9S R21E

WELL DATA

LOCATION: 2037' FNL 605' FEL SEC. 27 T9S R21E  
 ELEVATION: 4921' GR., 4935' KB.  
 TD: 6097', PBD 6042' (9/91) WLS(11/96) 5979'  
 CSG: 8-5/8", 24.0#, K-55 @ 266' w/ 180 SX.  
 5-1/2", 17.0#, J-55 @ 6097' w/ 1050 SX.  
 CMT ANNULUS w/ 255 SX.  
 TBG: 2-3/8", 4.7#, J-55 @ 5400'  
 FORMATION(S): WASATCH 5563' - 6006', 20 HOLES (9/91)



2 3/8" 4.7# @ 5400' w/ notch collar on bottom

(11/96) WLS PBD 5979'

(9/91) Wasatch 5563-6006' 75 SANDS 20 holes  
 PER 1 JSAF w/ 4" CSG gun  

5563	5655	5731	5813	5905	5998	6003
5565	5659	5735	5816	5910		6006
5569	5661		5820	5915		
	5666			5919		
	5671					

BD w/ 4000 gal 3% KCL + 40 BS'S AIR G-G AMM  
 IPF 100 MCF 2 9/16" OK FTP 750"  
 FRAC'D w/ 1000 gal 15% HCL + 102,000# sand + 36,960 gal gel + 274 lbs CO2  
 IPF (9/91) 1800 MCF + 10-20 BW 2 9/16" OK  
 FTP 750" CP 825"

5563, 5565, 5569  
 5655, 5659, 5661  
 5666, 5671  
 5731, 5735  
 5813, 5816, 5820  
 5905, 5910, 5915, 5919  
 5979'  
 5998  
 6003, 6006

5 1/2" @  
 6097

10971

5. Lease Designation and Serial Number:

U-01194-A

6. If Indian, Allottee or Tribe Name:

N/A

7. Unit Agreement Name:

Natural Buttes

8. Well Name and Number:

NBU #109

9. API Well Number:

43-047-31917

10. Field and Pool, or Wildcat:

Natural Buttes

**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  GAS  OTHER:

2. Name of Operator:

Coastal Oil & Gas Corporation

3. Address and Telephone Number:

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

(303) 573-4476

4. Location of Well

Footages: 2037' FNL & 605' FEL

County: Uintah

QQ, Sec., T., R., M.: SE/NE Section 27, T9S-R21E

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 CO, Lwr Tbg, Install PLE |   |

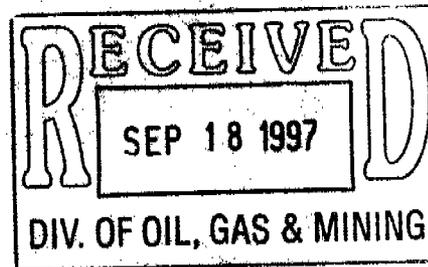
Date of work completion 08/25/97

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

\* Must be accompanied by a cement verification report.

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

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



13.

Name & Signature:

*Bonnie Carson*

Bonnie Carson

Title:

Senior Environmental Analyst

Date:

09/15/97

(This space for State use only)

NO tax credit 8/98



5. Lease Designation and Serial Number:

U-01194-A

6. If Indian, Allottee or Tribe Name:

N/A

7. Unit Agreement Name:

Natural Buttes

8. Well Name and Number:

NBU #109

9. API Well Number:

43-047-31917

10. Field and Pool, or Wildcat:

Natural Buttes

**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  GAS  OTHER:

2. Name of Operator:

Coastal Oil & Gas Corporation

3. Address and Telephone Number:

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

(303) 573-4476

4. Location of Well

Footages: 2037' FNL & 605' FEL

County: Uintah

QQ. Sec., T., R., M.: SE/NE Section 27, T9S-R21E

State: Utah

**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 <u>Install Pump Jack &amp; Run Rods</u> |   |

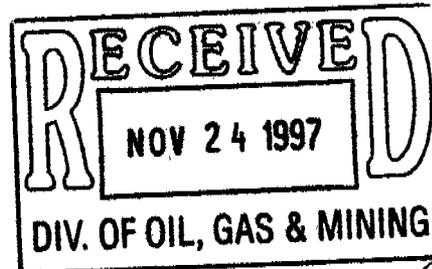
Date of work completion 11/13/97

Report results of bMultiple CompletionsC and bRecompletionsC 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 history for work performed on the subject well.



*WTC  
11/23/97  
R. Carson*

13.

Name & Signature:

*Bonnie Carson*

Bonnie Carson

Title:

Senior Environmental Analyst

Date

11/19/97

(This space for State use only)



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

2. NAME OF OPERATOR: El Paso Production Oil & Gas Company

3. ADDRESS OF OPERATOR: 8 South 1200 East CITY Vernal STATE Utah ZIP 84078 PHONE NUMBER: 435-789-4433

5. LEASE DESIGNATION AND SERIAL NUMBER: \_\_\_\_\_

6. IF INDIAN ALLOTTEE OR TRIBE NAME: \_\_\_\_\_

7. UNIT or CA AGREEMENT NAME: \_\_\_\_\_

8. WELL NAME and NUMBER: Exhibit "A"

9. API NUMBER: \_\_\_\_\_

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"/> 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.

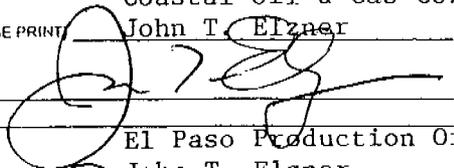
As a result of the merger between The Coastal Corporation and a wholly owned subsidiary of El Paso Energy Corporation, the name of Coastal Oil & Gas Corporation has been changed to El Paso Production Oil & Gas Company effective March 9, 2001.

See Exhibit "A"

Bond # 400JU0708

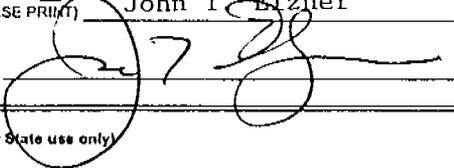
Coastal Oil & Gas Corporation

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

Office of the Secretary of State

---

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

RECEIVED

MAR 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

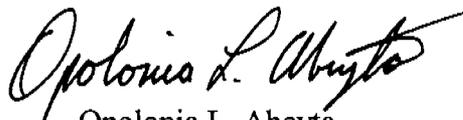
Acceptable evidence has been received in this office concerning the name change of Coastal Oil & Gas Corporation into El Paso Production Oil & Gas Company with El Paso Production Oil & Gas Company being the surviving entity.

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)

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

<b>TO: (New Operator):</b>
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 6	43-047-30083	2900	24-09S-21E	FEDERAL	GW	P
NBU 210-24	43-047-31153	2900	24-09S-21E	FEDERAL	GW	P
NBU 219-24	43-047-31308	2900	24-09S-21E	FEDERAL	GW	P
NBU 301-24E	43-047-32131	2900	24-09S-21E	FEDERAL	GW	P
NBU 336-24E	43-047-32264	2900	24-09S-21E	FEDERAL	GW	P
NBU 386-24E	43-047-33056	2900	24-09S-21E	FEDERAL	GW	P
NBU 111	43-047-31920	2900	25-09S-21E	FEDERAL	GW	P
NBU 320	43-047-33201	99999	25-09S-21E	STATE	GW	APD
NBU 15	43-047-30204	2900	26-09S-21E	FEDERAL	GW	P
NBU 107	43-047-31916	2900	26-09S-21E	FEDERAL	GW	P
NBU 132	43-047-31938	2900	26-09S-21E	FEDERAL	GW	P
NBU 190	43-047-32232	2900	26-09S-21E	FEDERAL	GW	P
<b>NBU 109</b>	43-047-31917	2900	27-09S-21E	FEDERAL	GW	P
NBU 20	43-047-30250	2900	28-09S-21E	FEDERAL	GW	P
NBU 56	43-047-30884	2900	28-09S-21E	FEDERAL	GW	P
NBU 110	43-047-31924	2900	28-09S-21E	FEDERAL	GW	P
NBU 133	43-047-31950	2900	28-09S-21E	FEDERAL	GW	P
NBU 134	43-047-32011	2900	28-09S-21E	FEDERAL	GW	P
NBU 166	43-047-32065	2900	28-09S-21E	FEDERAL	GW	P
NBU 175	43-047-32143	2900	28-09S-21E	FEDERAL	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

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

---

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 07/31/2001
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 07/31/2001
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

---

**STATE BOND VERIFICATION:**

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

---

**FEDERAL BOND VERIFICATION:**

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

---

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

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

---

**FILMING:**

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

---

**FILING:**

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

---

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

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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.

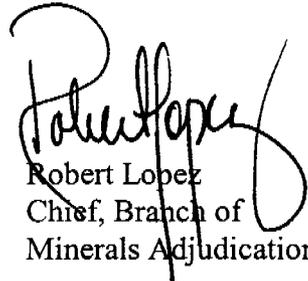
For our purposes, the name change is recognized effective December 31, 2001.

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)



# 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

# 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.

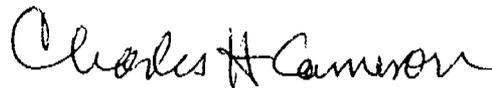
We have no objection.

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  
chronos



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  
Engineer Technician

Encl:



# 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

5. LEASE DESIGNATION AND SERIAL NUMBER \_\_\_\_\_

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: \_\_\_\_\_

7. UNIT or CA AGREEMENT NAME \_\_\_\_\_

8. WELL NAME and NUMBER:  
**Exhibit "A"**

9. API NUMBER: \_\_\_\_\_

10. FIELD AND POOL, OR WILDCAT: \_\_\_\_\_

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

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

2. NAME OF OPERATOR:  
**El Paso Production Oil & Gas Company**

3. ADDRESS OF OPERATOR:  
**9 Greenway Plaza Houston STATE TX 77064-0995** PHONE NUMBER:  
**(832) 676-5933**

4. LOCATION OF WELL

FOOTAGES AT SURFACE: \_\_\_\_\_ COUNTY: \_\_\_\_\_

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: \_\_\_\_\_ STATE: **UTAH**

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

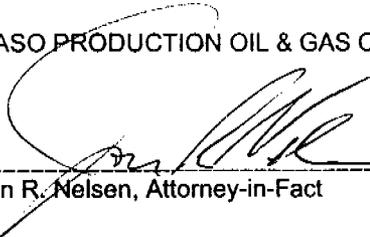
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input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

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

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

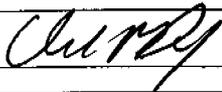
BOND # \_\_\_\_\_  
State Surety Bond No. RLB0005236  
Fee Bond No. RLB0005238

EL PASO PRODUCTION OIL & GAS COMPANY

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

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

WESTPORT OIL AND GAS COMPANY, L.P.  
NAME (PLEASE PRINT) **David R. Dix** TITLE **Agent and Attorney-in-Fact**

SIGNATURE  DATE **12/17/02**

(This space for State use only)

Form 3160-5  
(August 1999)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

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

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

**SEE ATTACHED EXHIBIT "A"**

9. API Well No.

**SEE ATTACHED EXHIBIT "A"**

10. Field and Pool, or Exploratory Area

11. County or Parish, State

UINTAH COUNTY, UT

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

1. Type of Well  
 Oil Well  Gas Well  Other

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

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

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

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

**SEE ATTACHED EXHIBIT "A"**

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)
<input type="checkbox"/> 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>SUCCESSOR 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 then. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed if testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator determined that the site is ready for final inspection.

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

RECEIVED

MAR 04 2003

BUREAU OF OIL, GAS & MINING

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

Name (Printed/Typed)  
CHERYL CAMERON

Title  
OPERATIONS

Signature

Date  
March 4, 2003

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

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

Office

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

(Instructions on reverse)



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

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

8. **Federal and Indian Units:**

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

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

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

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

**DATA ENTRY:**

1. Changes entered in the Oil and Gas Database on: 03/12/2003

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

**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**

*4304731917*

*95 21E 27*

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

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

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

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

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

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

Name (Printed/Typed) **J.T. Conley** Title **Operations Manager** **SEP 10 2003**

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

**COPY SENT TO OPERATOR**  
Date: *9-16-03*  
Initials: *CRD*

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by \_\_\_\_\_ Title **Accepted by the Utah Division of Oil, Gas and Mining** Date **9/16/03**

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.

**Federal Approval of This Action is Necessary**

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

**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
PULING UNIT SERVICE			\$0
WIRELINE SERVICE			\$0
SUBSURF EQUIP REPAIRS			\$0
COMPANY LABOR			\$0
CONTRACT LABOR	\$0	\$200	\$200
CONTR SERVICE			\$0
LEASE FUEL GAS	\$0	\$0	\$0
UTILITIES - ELECTRICITY	\$0	\$0	\$0
CHEMICAL TREATING			\$0
MATERIAL & SUPPLY	\$0	\$150	\$150
WATER & HAULING			\$0
ADMINISTRATIVE COSTS			\$0
GAS PLANT PROCESSING			\$0
<b>Totals</b>	<b>\$0</b>	<b>\$350</b>	<b>\$350</b>

**Increased OPX Per Year**

**Investment Breakdown:**

Capital \$	Cap/Exp Code	Cost, \$	Oil Price	\$/BO
Expense \$	820/830/840	\$1,200	\$ 23.00	\$/BO
Total \$	830/860	\$0	\$ 3.10	\$/MCF
		\$1,200	\$ -	\$/ HP / day
			\$ 2.00	\$/BF
			\$ 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

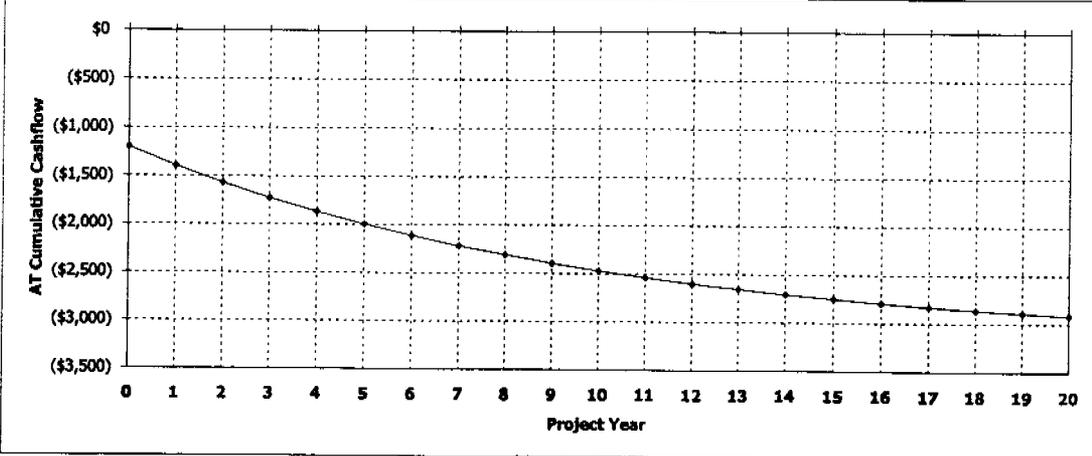
<p><b>Project Life:</b> Life = <input type="text" value="20.0"/> Years (Life no longer than 20 years)</p> <p><b>Internal Rate of Return:</b> After Tax IROR = <input type="text" value="#DIV/0!"/></p> <p><b>AT Cum Cashflow:</b> Operating Cashflow = <input type="text" value="(\$2,917)"/> (Discounted @ 10%)</p>	<p><b>Payout Calculation:</b></p> <p>Payout = <math>\frac{\text{Total Investment}}{\text{Sum(OPX + Incremental Revenue)}} = 1</math></p> <p>Payout occurs when total AT cashflow equals investment See graph below, note years when cashflow reaches zero</p> <p>Payout = <input type="text" value="NEVER"/> Years or <input type="text" value="#VALUE!"/> Days</p>
--	---

**Gross Reserves:**  
 Oil Reserves = 6 BO  
 Gas Reserves = 0 MCF  
 Gas Equiv Reserves = 38 MCFE

**Notes/Assumptions:**

An average NBU well produces 0.192 Bopd with no tank pressure. The production is increased to 0.194 Bopd 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)	Specific Gravity of Flashed Gas (Air=1.000)	Separator Volume Factor (B)	Separator Volume Percent (C)
psig	°F	(A)			

**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 1021-2O	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**

**ROUTING**

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

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

Operator Name Change/Merger

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

**1/6/2006**

**FROM: (Old Operator):**

N2115-Westport Oil & Gas Co., LP  
 1368 South 1200 East  
 Vernal, UT 84078  
 Phone: 1-(435) 781-7024

**TO: ( New Operator):**

N2995-Kerr-McGee Oil & Gas Onshore, LP  
 1368 South 1200 East  
 Vernal, UT 84078  
 Phone: 1-(435) 781-7024

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

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 5/10/2006
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 5/10/2006
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 3/7/2006
- a. Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181
- b. If **NO**, the operator was contacted on:
- a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
- b. Inspections of LA PA state/fee well sites complete on: n/a 3 LA wells & all PA wells transferred
- c. Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 3/27/2006 BIA not yet

**7. Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: 3/27/2006

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

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

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

**DATA ENTRY:**

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

**BOND VERIFICATION:**

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

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 5/16/2006

**COMMENTS:**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

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

1. Type of Well  
 Oil Well  Gas Well  Other

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

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

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

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

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

6. If Indian, Allottee or Tribe Name

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

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

9. API Well No.

10. Field and Pool, or Exploratory Area

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

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <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.

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 5/16/06**

*Earlene Russell*  
**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)

11. County or Parish, State

SEE ATTACHED

UINTAH COUNTY, UTAH

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

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

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

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

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

RECEIVED  
MAY 10 2006

DIV OF OIL, GAS & MINING

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

Name (Printed/Typed)

BRAD LANEY

Title

ENGINEERING SPECIALIST

Signature

Date

May 9, 2006

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

*Brad Laney*

5-9-06

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

Office

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



## United States Department of the Interior

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

IN REPLY REFER TO:

CO922 (MM)  
3106  
COC017387 et. al.

March 23, 2006

### NOTICE

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

#### Merger/Name Change - Recognized

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

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

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

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

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

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

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

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

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

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

**Attachment:**

List of OG Leases to each of the following offices:

MMS MRM, MS 357B-1

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

CO Field Offices

Wyoming State Office

Rider #1 to Bond WY2357

Rider #2 to Bond WY1865

Rider #3 to Bond WY1127



# United States Department of the Interior



BUREAU OF LAND MANAGEMENT  
Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155  
<http://www.blm.gov>

IN REPLY REFER TO:  
3106  
(UT-922)

March 27, 2006

## Memorandum

To: Vernal Field Office

From: Chief, Branch of Fluid Minerals

Subject: Merger Approval

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

Chief, Branch of  
Fluid Minerals

## Enclosure

Approval letter from BLM COSO (2 pp)

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

RECEIVED

MAR 28 2006

U.S. DEPT. OF THE INTERIOR

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>U-01194-A</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME: <b>NATURAL BUTTES UNIT</b>
2. NAME OF OPERATOR: <b>KERR MCGEE OIL &amp; GAS ONSHORE LP</b>		8. WELL NAME and NUMBER: <b>NBU 109</b>
3. ADDRESS OF OPERATOR: <b>1368 SOUTH 1200 EAST</b> CITY <b>VERNAL</b> STATE <b>UT</b> ZIP <b>84078</b>	PHONE NUMBER: <b>(435) 781-7003</b>	9. API NUMBER: <b>4304731917</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>2037' FNL 605' FEL</b>		10. FIELD AND POOL, OR WILDCAT: <b>NATURAL BUTTES</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>SENE 27 9S 21E</b>		COUNTY: <b>UINTAH</b>
		STATE: <b>UTAH</b>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start: _____	<input type="checkbox"/> 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 checked="" type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input 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.

**KERR MCGEE OIL AND GAS ONSHORE LP REQUESTS AUTHORIZATION TO PLACE THE SUBJECT WELL LOCATION ON TEMPORARILY ABANDONMENT STATUS TO DRILL THE TWIN WELL NBU 921-27HT.**

COPY SENT TO OPERATOR

Date: 11.26.2008

Initials: KS

NAME (PLEASE PRINT) <u>RAMEY HOOPES</u>	TITLE <u>REGULATORY ANALYST</u>
SIGNATURE <u>Ramey Hoopes</u>	DATE <u>11/7/2008</u>

(This space for State use only)

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

Date: 11/24/08

By: [Signature]

Federal Approval Of This Action Is Necessary

(See Instructions on Reverse Side)

**RECEIVED**

**NOV 17 2008**

DIV. OF OIL, GAS & MINING

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: U-01194-A
2. NAME OF OPERATOR: KERR MCGEE OIL & GAS ONSHORE LP		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078		7. UNIT or CA AGREEMENT NAME: UNIT #891008900A
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2037'FNL, 605'FEL		8. WELL NAME and NUMBER: NBU 109
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENE 27 9S, 21E		9. API NUMBER: 4304731917
COUNTY: UINTAH		10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
STATE: UTAH		

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start: _____  <input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input checked="" 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.

THE OPERATOR REQUESTS AUTHORIZATION TO PLUG AND ABANDON THE SUBJECT WELL LOCATION. THE SUBJECT WELL LOCATION IS CURRENTLY ON TEMPORARILY ABANDON STATUS ON SEPTEMBER 9, 2008. THE OPERATOR PROPOSES TO PLUG AND ABANDON THE SUBJECT WELL LOCATION TO DRILL THE NBU 921-27HT A TWIN LOCATION ON THE EXISTING WELL SITE.

PLEASE REFER TO THE ATTACHED PLUG AND ABANDON PROCEDURE.

**COPY SENT TO OPERATOR**

Date: 1-5-2009

Initials: KS

NAME (PLEASE PRINT) SHEILA UPCHEGO	TITLE REGULATORY ANALYST
SIGNATURE 	DATE 12/2/2008

(This space for State use only)

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

DATE: 12/30/08

BY: [Signature] (See Instructions on Reverse Side)

\* See conditions of Approval (Attached)

**RECEIVED**

**DEC 08 2008**

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

NBU 109  
 2037' FNL & 605' FEL  
 NESE SEC.27, T9S, R21E  
 Uintah County, UT

KBE: 4935'  
 GLE: 4921'  
 TD: 6097'  
 PBSD: 6042'

API NUMBER: 43-047-31917  
 LEASE NUMBER: U-01194-A  
 WI: 100.0000%  
 NRI:

**CASING:** 12 1/4" hole  
 8.625" 24# K-55 @ 266' GL  
 Cemented with 180 sx Premium; TOC @ surface by circulation

7.875" hole  
 5.5 17# J-55 @ 6097'  
 Cemented with 510 sx Silica Lite lead and 540 sx Prem AG tail. Pumped top job on 4/11/91, 255 sx Super G, report states filled csg annulus to surface.

**TUBING:** 2.375" 4.7# J-55 tubing landed at 6622'.  
 3/4" Rod to 5973'

Tubular/Borehole	Drift inches	Collapse psi	Burst Psi	Capacities		
				Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1626	0.02173	0.00387
5.5 17# J-55 csg	4.892	4910	5320	0.9764	0.1305	0.02324
<b>Annular Capacities</b>						
2.375" tbg. X 5.5 17# csg				0.7462	0.0997	0.01776
5.5" csg X 8.625 24# csg				1.4406	0.1926	0.0343
5.5" csg X 7.875 borehole				1.2978	0.1733	0.0309

**GEOLOGIC INFORMATION:**

Formation	Depth to top, ft.
Uinta	Surface
Green River	1490'
Mahogany	2301'
Wasatch	4782'

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

USDW Elevation ~2000' MSL  
 USDW Depth ~2935' KBE

## PERFORATIONS:

Formation	Date	Top	Bottom	SPF	Status
Wasatch	9/18/1991	5563	5563	1	Open
Wasatch	9/18/1991	5565	5565	1	Open
Wasatch	9/18/1991	5569	5569	1	Open
Wasatch	9/18/1991	5655	5655	1	Open
Wasatch	9/18/1991	5659	5659	1	Open
Wasatch	9/18/1991	5661	5661	1	Open
Wasatch	9/18/1991	5666	5666	1	Open
Wasatch	9/18/1991	5671	5671	1	Open
Wasatch	9/18/1991	5731	5731	1	Open
Wasatch	9/18/1991	5735	5735	1	Open
Wasatch	9/18/1991	5813	5813	1	Open
Wasatch	9/18/1991	5816	5816	1	Open
Wasatch	9/18/1991	5820	5820	1	Open
Wasatch	9/18/1991	5905	5905	1	Open
Wasatch	9/18/1991	5910	5910	1	Open
Wasatch	9/18/1991	5915	5915	1	Open
Wasatch	9/18/1991	5919	5919	1	Open
Wasatch	9/18/1991	5998	5998	1	Open
Wasatch	9/18/1991	6003	6003	1	Open
Wasatch	9/18/1991	6006	6006	1	Open

## WELL HISTORY:

- Spud Well on 1/22/1991
- TD'd Well @ 6097' @ 2/6/1991
- Perforated gross Wasatch interval f/ 5563' – 6006' on 2/19/1991. Broke w/ 4000 gal 3% and 40 ball sealers. Frac'd interval on 9/18/1991 w/ 1000 gal MSR 100 acid w/ 202,000# 20/40 sand & 880 bbl gel w/ 274 ton CO2.
- 1<sup>st</sup> sales on 2/19/1991, 400 Mcf, 20/64" ck, FTP 150#, CP 260#
- Workover #1 – 8/1997, C/O w/ air foam unit, lower tbg, install PLE, RTP
- Workover #2 – 11/1997, Install Pumping Unit & Rods, RTP

## NBU 109 PLUG AND ABANDON PROCEDURE

### GENERAL

- H<sub>2</sub>S MAY BE PRESENT. CHECK FOR H<sub>2</sub>S 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.
- BRINE WITH A MINIMUM DENSITY OF AT LEAST 9 PPG MUST BE PLACED BETWEEN ALL PLUGS. 10 PPG IS ASSUMED IN THIS PROCEDURE.
- 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 156 sx Class "G" cement needed for procedure**

1. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.
2. PULL TBG & LD SAME. RU WIRELINE AND MAKE A GAUGE RING RUN TO CHECK FOR FILL AND PREP FOR GYRO SURVEY & CBL.
3. RUN GYRO SURVEY AND CBL.
4. **PLUG #1, ISOLATE WASATCH PERFORATIONS (5563' – 6006')**: RIH W/ 5 ½" TBG SET CIBP. SET @ 5513'. RELEASE CIBP, PUH 10', BRK CIRC W/ FRESH WATER. DISPLACE 6 SX CMT (6.53 CUFT) ON TOP OF PLUG. PUH ABOVE TOC. REVERSE CIRCULATE W/ 10 PPG BRINE.
5. **PLUG #2, WASATCH TOP (~4782')**: PUH TO ~4882'. BRK CIRC W/ FRESH WATER. DISPLACE 23 SX (26.10 CUFT.) AND BALANCE PLUG W/ TOC @ ~4682' (200' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ 10 PPG BRINE.
6. **PLUG #3, BASE OF USDW (~2935')**: PUH TO ~3035'. BRK CIRC W/ FRESH WATER. DISPLACE 23 SX (26.10 CUFT.) AND BALANCE PLUG W/ TOC @ ~2835' (200' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ 10 PPG BRINE.
7. **PLUG #4, MAHOGANY TOP (~2020')**: PUH TO ~2120'. BRK CIRC W/ FRESH WATER. DISPLACE 23 SX (26.10 CUFT.) AND BALANCE PLUG W/ TOC @ ~1920' (200' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ 10 PPG BRINE.

**NOTE:** IF CBL DETERMINES THAT TOC IS OTHER THAN STATED IN THIS PROCEDURE, PLUGS 4, 5 & 6 MAY NEED TO BE REVISED.

8. **PLUG #5, GREEN RIVER TOP (~1490')**: PUH TO ~1590'. BRK CIRC W/ FRESH WATER. DISPLACE 23 SX (26.10 CUFT.) AND BALANCE PLUG W/ TOC @ ~1390' (200' COVERAGE). PUH ABOVE TOC. REVERSE CIRC W/ 10 PPG BRINE.
9. **PLUG #5, SURFACE SHOE (280' KB) & SURFACE HOLE:** POOH W/ TBG. RIH W/ WIRELINE, PERFORATE @ 330' W/ 4 SPF. POOH W/ WIRELINE. RU CEMENT SERVICE TO PROD CSG. PUMP 58 SX CMT (66.50 CUFT.) DN 5 ½" CSG & UP 8 5/8" CSG ANNULUS TO SURFACE.

10. CUT OFF WELLHEAD AND INSTALL MARKER PER BLM GUIDELINES.

11. RDMO. TURN OVER TO OPERATIONS FOR SURFACE REHAB.

ALM 11/24/08



JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

## ***CONDITIONS OF APPROVAL TO PLUG AND ABANDON WELL***

Well Name and Number: NBU 109  
API Number: 43-047-31917  
Operator: Kerr McGee Oil & Gas Onshore, L.P.  
Reference Document: Original Sundry Notice dated December 2, 2008,  
received by DOGM on December 8, 2008.

### Approval Conditions:

1. Notify the Division at least 24 hours prior to conducting abandonment operations. Please call Dan Jarvis at 801-538-5338.
2. Surface reclamation shall be done in accordance with R649-3-34 – Well Site Restoration.
3. All balanced plugs shall be tagged to ensure that they are at the depth specified.
4. All annuli shall be cemented from a minimum depth of 100' to the surface.
5. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply.
6. If there are any changes to the procedure or the wellbore configuration, notify Dustin Doucet at 801-538-5281 (ofc) or 801-733-0983 (home) prior to continuing with the procedure.
7. All other requirements for notice and reporting in the Oil and Gas Conservation General Rules shall apply.

Dustin K. Doucet  
Petroleum Engineer

December 30, 2008

Date



# Wellbore Diagram

API Well No: 43-047-31917-00-00    Permit No:    Well Name/No: NBU 109  
 Company Name: KERR-MCGEE OIL & GAS ONSHORE, L.P.  
 Location: Sec: 27 T: 9S R: 21E Spot: SENE  
 Coordinates: X: 625489 Y: 4429523  
 Field Name: NATURAL BUTTES  
 County Name: UINTAH

### String Information

String	Bottom (ft sub)	Diameter (inches)	Weight (lb/ft)	Length (ft)	Capacity (f/cf)
HOL1	275	12.25			
SURF	266	8.625	24		
HOL2	6097	7.875			
PROD	6097	5.5	17		

$8\frac{5}{8}'' \times 5\frac{1}{2}''$

7.661  
5.192

Cement from 266 ft. to surface  
 Surface: 8.625 in. @ 266 ft.  
 Hole: 12.25 in. @ 275 ft.

Plug # 6  
~~OUT - if necessary~~  $330' / (1.15 \times 5.192) = 55 \text{ SK}$

Plug # 5  
 $320' / (1.15 \times 7.661) = 38 \text{ SK}$

92 SK total  
 propose 58 SK → not sufficient for Annulus if necessary

### Cement Information

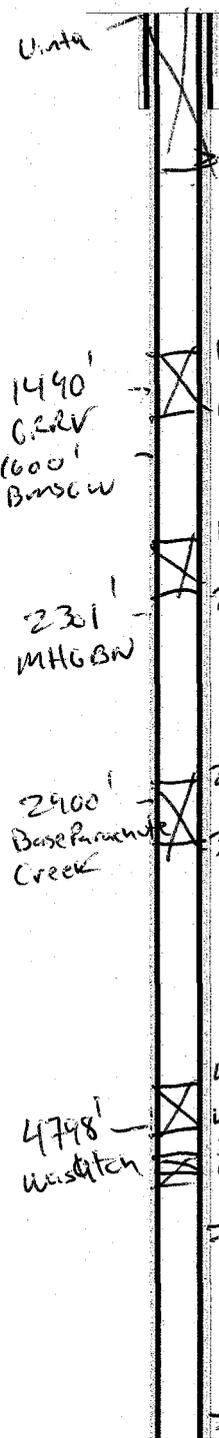
String	BOC (ft sub)	TOC (ft sub)	Class	Sacks
PROD	6097	0	LT	510
PROD	6097	0	PA	540
PROD	6097	0	G	255
SURF	266	0	PP	180

### Perforation Information

Top (ft sub)	Bottom (ft sub)	Shts/Ft	No Shts	Dt Squeeze
5563	6006			

### Formation Information

Formation	Depth
UNTA	0
GRRV	1490
BMSW	1600
MHGBN	2301
WSTC	4798



Cement from 6097 ft. to surface  
 Production: 5.5 in. @ 6097 ft.  
 Hole: 7.875 in. @ 6097 ft.

Plug # 2  
 $(235 \text{ SK}) \times (1.15) \times (7.661) = 202' \text{ var.}$

Plug # 1  
 $(65 \text{ SK}) \times (1.15 \times 7.661) = 52' \text{ var.}$

TD: 6097 TVD: PBTD:

PA

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

AMENDED REPORT  FORM 8  
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER:  
U-01194-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME  
UNIT #891008900A

8. WELL NAME and NUMBER:  
NBU 109

9. API NUMBER:  
4304731917

10. FIELD AND POOL, OR WILDCAT  
NATURAL BUTTES

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:  
SENE 27 9S, 21E

12. COUNTY  
UINTAH

13. STATE  
UTAH

14. DATE SPUDDED: 1/22/1991

15. DATE T.D. REACHED: 2/6/1991

16. DATE COMPLETED: 1/22/2009

ABANDONED  READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL):  
4921'GR

18. TOTAL DEPTH: MD 6,097 TVD

19. PLUG BACK T.D.: MD 6,042 TVD

20. IF MULTIPLE COMPLETIONS, HOW MANY? \*

21. DEPTH BRIDGE MD PLUG SET: TVD

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

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#		266		180			
7 7/8"	5 1/2	17#		6,097		765			

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A)				
(B)				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
			Open <input 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

29. ENCLOSED ATTACHMENTS:

ELECTRICAL/MECHANICAL LOGS

SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION

GEOLOGIC REPORT

CORE ANALYSIS

DST REPORT

OTHER:

DIRECTIONAL SURVEY

30. WELL STATUS:  
P&A

RECEIVED

JAN 26 2009

31. INITIAL PRODUCTION

INTERVAL A (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 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.)  
**PLUG AND ABANDONED 01/22/2009**

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)

35. ADDITIONAL REMARKS (Include plugging procedure)

THE SUBJECT WELL LOCATION WAS PLUG AND ABANDON TO DRILL THE NBU 921-27HT A TWIN TO THE NBU 109.

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

NAME (PLEASE PRINT) SHEILA UPCHEGO

TITLE REGULATORY ANALYST

SIGNATURE 

DATE 1/23/2009

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



Guidance Services

Job Number: 093217505024      State/Country: Utah/USA  
 Company: Kerr McGee Oil & Gas      Declination: 11.36°  
 Lease/Well: NBU 109      Grid: East To True  
 Location: Uintah County, Utah      File name: F:\SURVEY\2009SU~1\KERRMC~1\NBU109.SVY  
 Rig Name: Raptor Wireline      Date/Time: 21-Jan-09 / 10:32  
 RKB:      Curve Name: Surface - 5480' M.D.(LAT: N40 00 31.3)(LONG: W109 31 50)  
 G.L. or M.S.L.:

WINSERVE SURVEY CALCULATIONS

Minimum Curvature Method

Vertical Section Plane .00

Vertical Section Referenced to offset from Wellhead: EW =.00 Ft , NS=.00 Ft

Rectangular Coordinates Referenced to Wellhead

Measured	Incl	Drift	TRUE	N-S	E-W	Vertical	CLOSURE	CLOSURE	Dogleg
Depth	Angle	Direction	Vertical	FT	FT	Section	Distance	Direction	Severity
FT	Deg	Deg	Depth			FT	FT	Deg	Deg/100
0	0	0	0	0	0	0	0	0	0
100	0.25	134.87	100	-0.15	0.15	-0.15	0.22	134.87	0.25
200	0.25	197.88	200	-0.52	0.24	-0.52	0.57	154.83	0.26
300	0.5	162.88	300	-1.14	0.3	-1.14	1.18	165.08	0.33
400	0	0	400	-1.56	0.43	-1.56	1.62	164.49	0.5
500	0.5	131.89	499.99	-1.85	0.76	-1.85	2	157.73	0.5
600	1.25	173.9	599.98	-3.22	1.2	-3.22	3.44	159.62	0.94
700	1.25	182.91	699.96	-5.4	1.26	-5.4	5.54	166.88	0.2
800	1.25	184.91	799.94	-7.57	1.11	-7.57	7.66	171.67	0.04
900	1	181.92	899.92	-9.53	0.99	-9.53	9.58	174.09	0.26
1000	1.5	204.93	999.89	-11.59	0.41	-11.59	11.6	177.99	0.7
1100	1.25	222.93	1099.86	-13.58	-0.89	-13.58	13.61	183.74	0.5
1200	1	197.93	1199.85	-15.21	-1.9	-15.21	15.32	187.12	0.54
1300	1	184.94	1299.83	-16.91	-2.24	-16.91	17.05	187.56	0.23
1400	1	207.97	1399.82	-18.55	-2.73	-18.55	18.75	188.37	0.4
1500	1.25	182.97	1499.8	-20.41	-3.19	-20.41	20.65	188.9	0.54
1600	0.75	180.97	1599.78	-22.15	-3.26	-22.15	22.39	188.38	0.5
1700	0.75	139.97	1699.77	-23.31	-2.85	-23.31	23.48	186.98	0.53
1800	0.5	152.98	1799.77	-24.2	-2.23	-24.2	24.3	185.27	0.29
1900	1	154.98	1899.76	-25.37	-1.67	-25.37	25.43	183.76	0.5
2000	1.5	139.98	1999.73	-27.17	-0.45	-27.17	27.17	180.96	0.59
2100	1.75	162.99	2099.7	-29.63	0.83	-29.63	29.64	178.39	0.69
2200	1.25	156	2199.66	-32.09	1.72	-32.09	32.13	176.92	0.53
2300	1.25	159	2299.64	-34.1	2.56	-34.1	34.2	175.71	0.07
2400	1	160.31	2399.62	-35.94	3.24	-35.94	36.09	174.84	0.25

2500	0	0	2499.61	-36.76	3.54	-36.76	36.93	174.5	1
2600	1	145.92	2599.61	-37.49	4.03	-37.49	37.7	173.87	1
2700	1.75	161.22	2699.58	-39.65	5.01	-39.65	39.97	172.8	0.83
2800	1.5	169.53	2799.54	-42.39	5.74	-42.39	42.77	172.29	0.34
2900	1.25	161.83	2899.51	-44.71	6.31	-44.71	45.15	171.96	0.31
3000	1.5	178.14	2999.48	-47.06	6.7	-47.06	47.53	171.9	0.46
3200	1.5	168.44	3199.41	-52.24	7.31	-52.24	52.74	172.04	0.13
3400	1.5	200.76	3399.35	-57.25	6.9	-57.25	57.66	173.12	0.42
3600	1.75	190.06	3599.27	-62.7	5.44	-62.7	62.94	175.04	0.2
3800	1.75	201.9	3799.17	-68.54	3.77	-68.54	68.65	176.85	0.18
4000	2	233.21	3999.07	-73.47	-0.16	-73.47	73.47	180.13	0.52
4200	2.25	231.52	4198.94	-78	-6.03	-78	78.23	184.42	0.13
4400	2.5	256.81	4398.77	-81.44	-13.35	-81.44	82.53	189.31	0.53
4600	2.5	277.1	4598.58	-81.89	-21.93	-81.89	84.78	194.99	0.44
4800	2.5	313.38	4798.4	-78.36	-29.43	-78.36	83.7	200.58	0.78
5000	2	320.7	4998.25	-72.66	-34.81	-72.66	80.57	205.6	0.29
5200	1.25	336.02	5198.17	-67.97	-37.91	-67.97	77.82	209.15	0.43
5400	1.25	337.32	5398.12	-63.96	-39.63	-63.96	75.25	211.78	0.01
5480	1.25	320.73	5478.1	-62.48	-40.52	-62.48	74.47	212.97	0.45

**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: U-01194-A
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		7. UNIT OR CA AGREEMENT NAME: UNIT #891008900A
		8. WELL NAME and NUMBER: NBU 109
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____	9. API NUMBER: 4304731917	
2. NAME OF OPERATOR: KERR MCGEE OIL & GAS ONSHORE LP	10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES	
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078	PHONE NUMBER: (435) 781-7024	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2037'FNL, 605'FEL		COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENE 27 9S, 21E		STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input checked="" type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 1/22/2009	<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.

THE OPERATOR HAS PERFORMED THE PLUG AND ABANDON THE SUBJECT WELL LOCATION. THE OPERATOR HAS COMPLETED THE PLUG AND ABANDONMENT OF THE SUBJECT WELL LOCATION TO DRILL THE NBU 921-27HT A TWIN LOCATION ON THE EXISTING WELL SITE.

PLEASE REFER TO THE ATTACHED GYRO SURVEY AND PLUG AND ABANDON CHRONOLOGICAL WELL HISTORY.

NAME (PLEASE PRINT) SHEILA UPCHEGO	TITLE REGULATORY ANALYST
SIGNATURE	DATE 12/2/2008

(This space for State use only)

**RECEIVED**  
**JAN 26 2009**

Wins No.: 72142

NBU 109

Well Operations Summary Long

Operator KERR MCGEE OIL & GAS ONSHORE LP	FIELD NAME NATURAL BUTTES	SPUD DATE	GL 0	KB 0	ROUTE V32
API 4304731917	STATE UTAH	COUNTY UINTAH	DIVISION ROCKIES		
Long/Lat.: 40.00860 / -109.52980		Q-Q/Sec/Town/Range: 127 / 9S / 21E			

Wellbore: NBU 109

MTD 6,097	TVD	PBMD 0	PBTVD 0
EVENT INFORMATION:		EVENT ACTIVITY: ABANDONMENT	START DATE: 1/15/2009
		OBJECTIVE: DEVELOPMENT	END DATE: 1/22/2009
		OBJECTIVE 2: PERMANENT	DATE WELL STARTED PROD.:
		REASON: P&A	Event End Status: COMPLETE
		AFE NO.: 2028058	

RIG OPERATIONS:	Begin Mobilization	Rig On Location	Rig Charges	Rig Operation Start	Finish Drilling	Rig Release	Rig Off Location
POOL 823 / 823	01/16/2009	01/16/2009	01/16/2009	01/16/2009			01/22/2009

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
1/16/2009	SUPERVISOR: CLAUD SIMS						MD:
	10:00 - 12:00	2.00	ABAND	30	A	P	ROAD RIG FROM CIGE 106D TO LOC. MIRU
	12:00 - 17:00	5.00	ABAND	39	B	P	WELL HAD 50 #, BLOWED DN TO TK, TOO H W/ 3/4" RODS LAYING DN, 236 3/4 RODS, 1- POLISH ROD AND DN HOLE PUMP. SHUT WELL IN SDFWE.
1/19/2009	SUPERVISOR: CLAUD SIMS						MD:
	7:00 - 7:30	0.50	ABAND	48		P	JSA-SAFETY MEETING #2, DAY 2
	7:30 - 12:00	4.50	ABAND	31	I	P	400# ON WELL, BLOWED DN TO PIT, N/D WH, NU BOPS, R/U FLOOR & TBG EQUIP, P/U RELEASE TBG ANCHOR, TOO H W/ 2-3/8" TBG TALLY OUT, LAY DN ANCHOR PERF SUB AND 18 JTS TBG, 195 JTS TOTAL OF 2-3/8" TBG,
	12:00 - 15:30	3.50	ABAND	34	B	P	R/U CASED HOLE WIRELINE RIH W/ GAUGE RING TO 5600', RIH W/ 5-1/2" CIBP, SET CIBP @ 5513', CIBP DID NOT SHEAR OFF, WORK W/ WIRELINE TRY TO SHEAR OFF CIBP, WIRELINE PULLED OUT OF ROPE SOCKET, R/D WIRELINE.
	15:30 - 18:00	2.50	ABAND	35		P	R/U SLICKLINE RIH W/ GYRO SURVEY TOOLS, R/D WIRELINE. SWI, SDFN
1/20/2009	SUPERVISOR: CLAUD SIMS						MD:
	6:30 - 7:00	0.50	ABAND	48		P	JSA-SAFETY MEETING #3, DAY 3
	7:00 - 9:30	2.50	ABAND	31	B	P	100# ON WELL, BLOWED DN TO PIT, P/U FISHING TOOLS FOR WIRELINE ROPE SOCKET, TIH W/ 2-3/8" TBG, TAG TOP OF FISH @ 5498', LATCH ONTO ROPE SOCKET PULLED 11 OVER SHEAR SETTING TOOL OFF CIBP,
	9:30 - 11:30	2.00	ABAND	31	I	P	TOOH W/ 2-3/8" TBG, LAY DN WIRELINE TOOLS AND FISHING TOOLS,
	11:30 - 13:00	1.50	ABAND	31	I	P	P/U 5-1/2" CIBP, TIH W/ 2-3/8" TBG, SET CIBP @ 5507',
	13:00 - 14:30	1.50	ABAND	31	I	P	TOOH W/ 2-3/8" TBG,
	14:30 - 19:00	4.50	ABAND	34		P	FILLED CSG W/ WTR, PRESSURE TEST CSG TO 1000#, HOLD FOR 10 MIN., (OK), R/U CASED HOLE WIRELINE RIH W/ CBL, TOOL NOT WORKING, RIH W/ CBL, RUN CBL LOG FROM 2100' TO SURFACE W/ CEMENT TOP @ 1700', R/D WIRELINE, DRAIN UP PUMP AND LINES AND WELL HEAD, SWI, SDFN
1/21/2009	SUPERVISOR: CLAUD SIMS						MD:
	7:00 - 7:30	0.50	ABAND	48		P	JSA-SAFETY MEETING #4, DAY 4
	7:30 - 9:30	2.00	ABAND	31	I	P	TIH W/ 2-3/8" TBG, OPEN END, EOT @ 5500',





Guidance Services

Job Number: 093217505024      State/Country: Utah/USA  
 Company: Kerr McGee Oil & Gas      Declination: 11.36°  
 Lease/Well: NBU 109      Grid: East To True  
 Location: Uintah County, Utah      File name: F:\SURVEY\2009SU~1\KERRMC~1\NBU109.SVY  
 Rig Name: Raptor Wireline      Date/Time: 21-Jan-09 / 10:32  
 RKB:      Curve Name: Surface - 5480' M.D.(LAT: N40 00 31.3)(LONG: W109 31 50)  
 G.L. or M.S.L.:

WINSERVE SURVEY CALCULATIONS

Minimum Curvature Method

Vertical Section Plane .00

Vertical Section Referenced to offset from Wellhead: EW =.00 Ft , NS=.00 Ft

Rectangular Coordinates Referenced to Wellhead

Measured	Incl	Drift	TRUE	N-S	E-W	Vertical	CLOSURE	CLOSURE	Dogleg
Depth	Angle	Direction	Vertical	FT	FT	Section	Distance	Direction	Severity
FT	Deg	Deg	Depth			FT	FT	Deg	Deg/100
0	0	0	0	0	0	0	0	0	0
100	0.25	134.87	100	-0.15	0.15	-0.15	0.22	134.87	0.25
200	0.25	197.88	200	-0.52	0.24	-0.52	0.57	154.83	0.26
300	0.5	162.88	300	-1.14	0.3	-1.14	1.18	165.08	0.33
400	0	0	400	-1.56	0.43	-1.56	1.62	164.49	0.5
500	0.5	131.89	499.99	-1.85	0.76	-1.85	2	157.73	0.5
600	1.25	173.9	599.98	-3.22	1.2	-3.22	3.44	159.62	0.94
700	1.25	182.91	699.96	-5.4	1.26	-5.4	5.54	166.88	0.2
800	1.25	184.91	799.94	-7.57	1.11	-7.57	7.66	171.67	0.04
900	1	181.92	899.92	-9.53	0.99	-9.53	9.58	174.09	0.26
1000	1.5	204.93	999.89	-11.59	0.41	-11.59	11.6	177.99	0.7
1100	1.25	222.93	1099.86	-13.58	-0.89	-13.58	13.61	183.74	0.5
1200	1	197.93	1199.85	-15.21	-1.9	-15.21	15.32	187.12	0.54
1300	1	184.94	1299.83	-16.91	-2.24	-16.91	17.05	187.56	0.23
1400	1	207.97	1399.82	-18.55	-2.73	-18.55	18.75	188.37	0.4
1500	1.25	182.97	1499.8	-20.41	-3.19	-20.41	20.65	188.9	0.54
1600	0.75	180.97	1599.78	-22.15	-3.26	-22.15	22.39	188.38	0.5
1700	0.75	139.97	1699.77	-23.31	-2.85	-23.31	23.48	186.98	0.53
1800	0.5	152.98	1799.77	-24.2	-2.23	-24.2	24.3	185.27	0.29
1900	1	154.98	1899.76	-25.37	-1.67	-25.37	25.43	183.76	0.5
2000	1.5	139.98	1999.73	-27.17	-0.45	-27.17	27.17	180.96	0.59
2100	1.75	162.99	2099.7	-29.63	0.83	-29.63	29.64	178.39	0.69
2200	1.25	156	2199.66	-32.09	1.72	-32.09	32.13	176.92	0.53
2300	1.25	159	2299.64	-34.1	2.56	-34.1	34.2	175.71	0.07
2400	1	160.31	2399.62	-35.94	3.24	-35.94	36.09	174.84	0.25

2500	0	0	2499.61	-36.76	3.54	-36.76	36.93	174.5	1
2600	1	145.92	2599.61	-37.49	4.03	-37.49	37.7	173.87	1
2700	1.75	161.22	2699.58	-39.65	5.01	-39.65	39.97	172.8	0.83
2800	1.5	169.53	2799.54	-42.39	5.74	-42.39	42.77	172.29	0.34
2900	1.25	161.83	2899.51	-44.71	6.31	-44.71	45.15	171.96	0.31
3000	1.5	178.14	2999.48	-47.06	6.7	-47.06	47.53	171.9	0.46
3200	1.5	168.44	3199.41	-52.24	7.31	-52.24	52.74	172.04	0.13
3400	1.5	200.76	3399.35	-57.25	6.9	-57.25	57.66	173.12	0.42
3600	1.75	190.06	3599.27	-62.7	5.44	-62.7	62.94	175.04	0.2
3800	1.75	201.9	3799.17	-68.54	3.77	-68.54	68.65	176.85	0.18
4000	2	233.21	3999.07	-73.47	-0.16	-73.47	73.47	180.13	0.52
4200	2.25	231.52	4198.94	-78	-6.03	-78	78.23	184.42	0.13
4400	2.5	256.81	4398.77	-81.44	-13.35	-81.44	82.53	189.31	0.53
4600	2.5	277.1	4598.58	-81.89	-21.93	-81.89	84.78	194.99	0.44
4800	2.5	313.38	4798.4	-78.36	-29.43	-78.36	83.7	200.58	0.78
5000	2	320.7	4998.25	-72.66	-34.81	-72.66	80.57	205.6	0.29
5200	1.25	336.02	5198.17	-67.97	-37.91	-67.97	77.82	209.15	0.43
5400	1.25	337.32	5398.12	-63.96	-39.63	-63.96	75.25	211.78	0.01
5480	1.25	320.73	5478.1	-62.48	-40.52	-62.48	74.47	212.97	0.45