

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

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

CIGE

9. Well No.

114-34-9-21

10. Field and Pool, or Wildcat

Natural Buttes **W30**

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

Section 34, T9S, R21E

12. County or Parrish 13. State

Uintah Utah

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

C.I.G. Exploration, Inc.

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

1931' FSL, 535' FEL (NE $\frac{1}{4}$ SE $\frac{1}{4}$ ) 34-9S-21E

At proposed prod. zone

Same

14. Distance in miles and direction from nearest town or post office\*

Approximately 11 Miles Southeast of Ouray, Utah

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

1931'

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.

1900'

19. Proposed depth

6100' **WSTC**

20. Rotary or cable tools

Rotary

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

5069' GR

22. Approx. date work will start\*

January 1, 1991

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	<del>20.0#</del> <b>24#</b>	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  
NOV 21 1990

TECHNICAL REVIEW

Engr. *[Signature]*

Geol. *[Signature]*

Surface *[Signature]* 11/25/90

DIVISION OF  
OIL, GAS & MINING

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

24. Signed *[Signature]* Title Authorized Agent Date 11/13/90

(This space for Federal or State office use)

API No **43.047.31915**

Approval Date

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

Approved by  
Conditions of approval, if any:

Title

DATE: 11-30 Date 90

BY: *[Signature]*

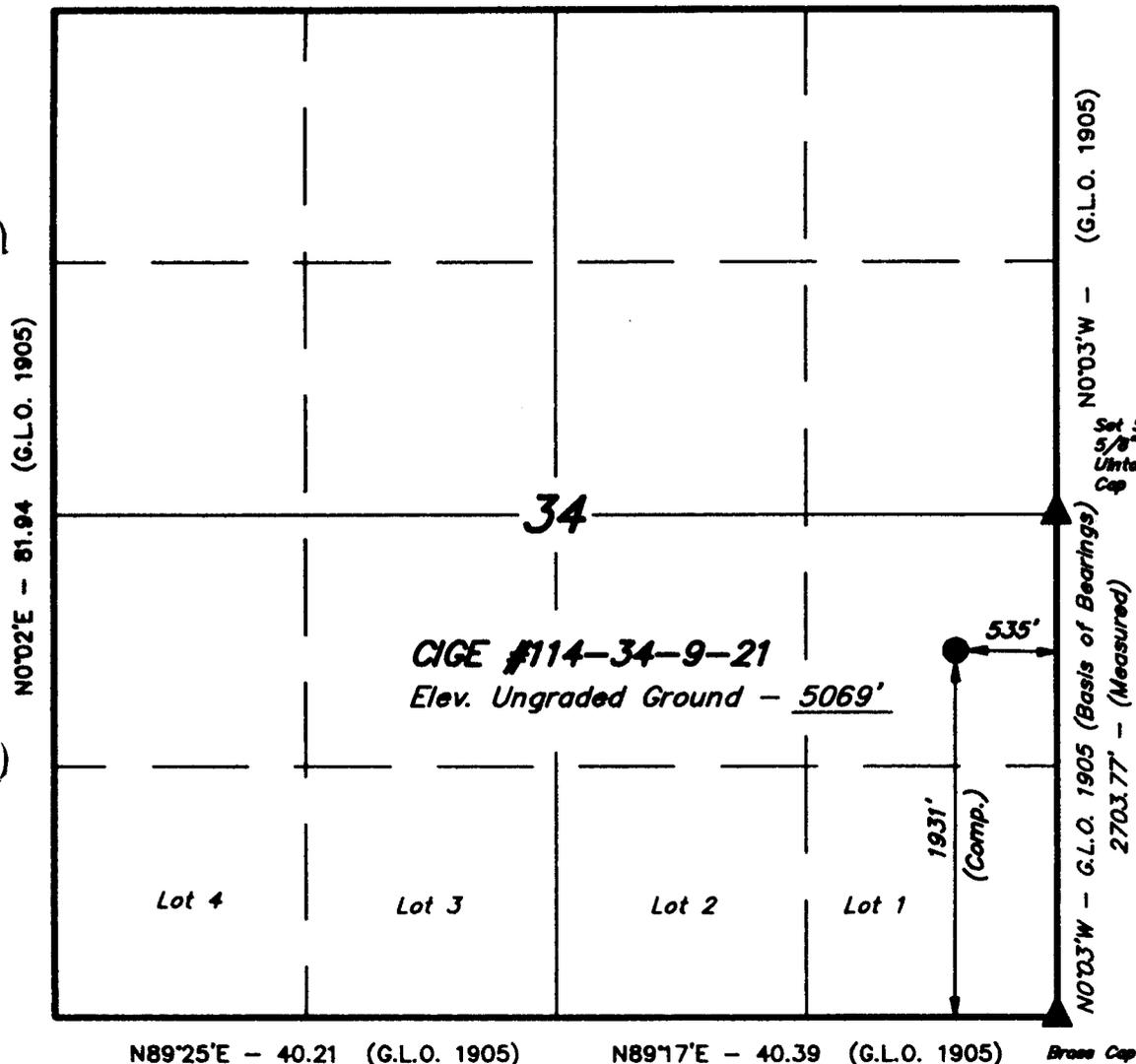
WELL SPACING: NBU

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

**COASTAL OIL & GAS CORP.**

Well location, CIGE #114-34-9-21, located as shown in the NE 1/4 SE 1/4 of Section 34, T9S, R21E, S.L.B.&M. Uintah County, Utah.

WEST - 80.00 (G.L.O. 1905)



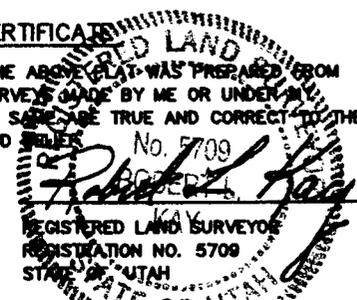
**BASIS OF ELEVATION**

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



**CERTIFICATE**

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



**UINTAH ENGINEERING & LAND SURVEYING**  
 P. O. BOX 1758 - 86 SOUTH - 200 EAST  
 VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 9-26-90
PARTY L.D.T. G.T. T.D.H.	REFERENCES G.L.O. PLAT
WEATHER WARM	FILE COASTAL OIL & GAS CORP.

**NOTE:**  
 WELL BEARS N15°35'46"W  
 1997.54' FROM THE SOUTHEAST  
 CORNER OF SECTION 34.

▲ = SECTION CORNERS LOCATED.

C.I.G. EXPLORATION, INC.

#114-34-9-21  
NE¼SE¼ Section 34, 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

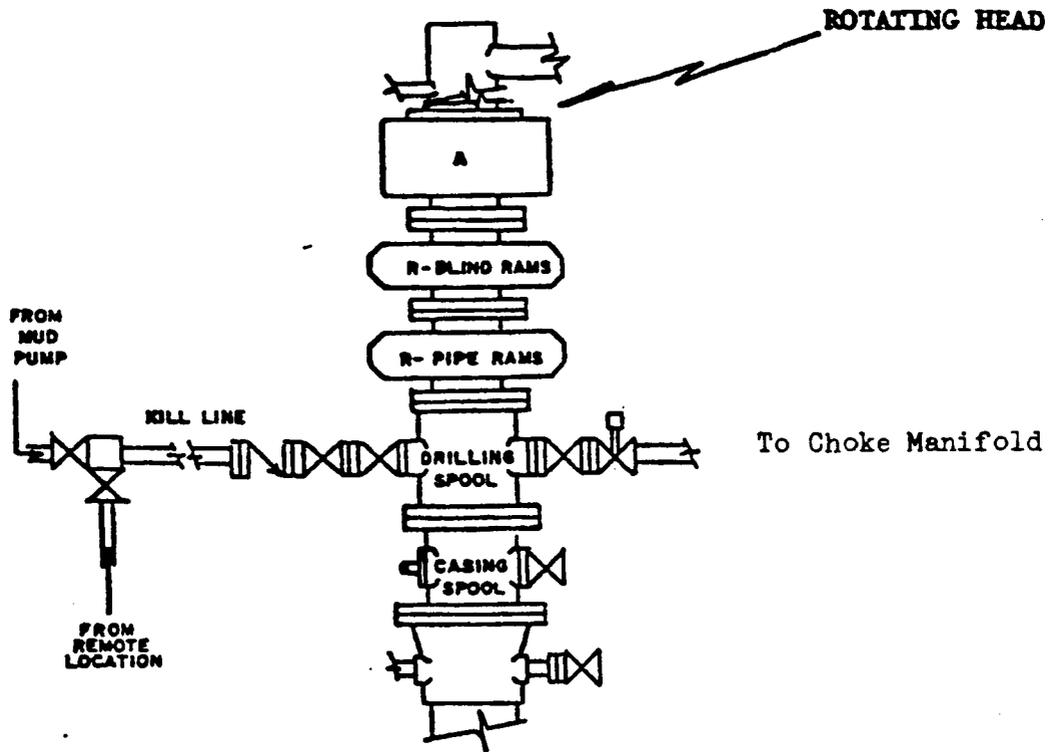
DST's : None Anticipated

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.

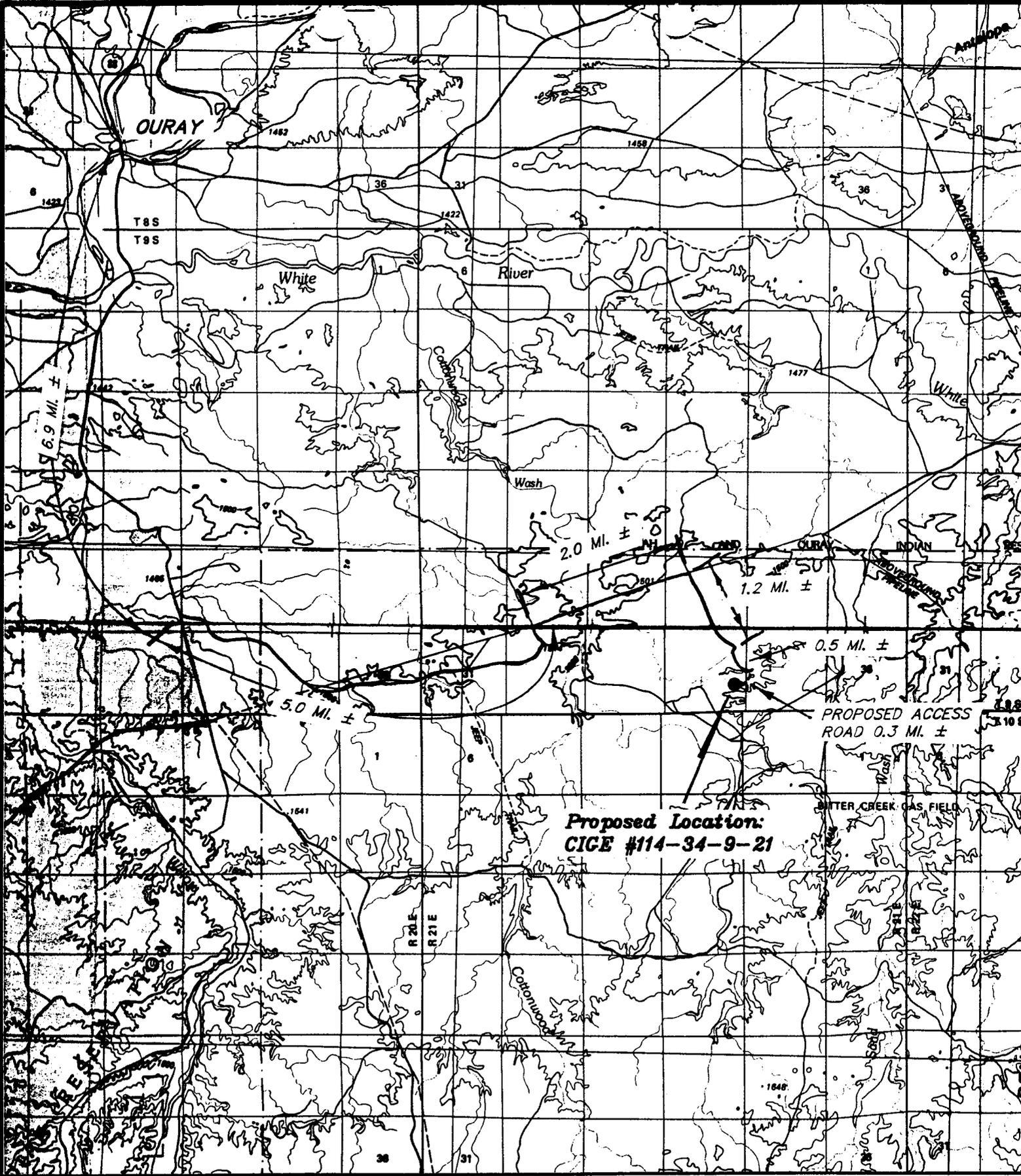
5. Surface Ownership:

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





TOPOGRAPHIC  
MAP "A"

DATE 9-27-90



**COASTAL OIL & GAS CORP.**

CIGE #114-34-9-21  
SECTION 34, T9S, R21E, S.L.B.&M.





## DRILLING LOCATION ASSESSMENT

### State of Utah Division of Oil, Gas and Mining

OPERATOR: C.I.G. EXPLORATION INC. WELL NAME: 114-34-9-21  
SECTION: 34 TWP: 9S RNG: 21E LOC: 1931 FSL 535 FEL  
QTR/QTR NE/SE COUNTY: UINTAH FIELD: NATURAL BUTTES  
SURFACE OWNER: STATE OF UTAH  
SPACING: NATURAL BUTTES UNIT  
INSPECTOR: BRAD HILL DATE AND TIME: 11/7/90 9:00

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. The area is dominated by rolling hills. The pad will be located on a relatively flat area on top of a ridge.

#### 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 86' extension for the reserve pit. An access road .3 miles long will be constructed.

AFFECTED FLOODPLAINS AND/OR WETLANDS: NONE

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

#### ENVIRONMENTAL PARAMETERS

##### SURFACE GEOLOGY

SOIL TYPE AND CHARACTERISTICS: Clayey-silt with cobbles

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 86'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 NONE

ATTACHMENTS

Photographs will be placed on file.

OPERATOR C.T.G. Expl. Co. N-01165 DATE 11-28-90  
WELL NAME CTGE 114-34.9-01  
SEC NESE 34 T 9S R 01E COUNTY Mintah

43-047-31915  
API NUMBER

Actual (1)  
TYPE OF LEASE

CHECK OFF:

PLAT.

BOND

NEAREST WELL

LEASE

FIELD SLBM

POTASH OR OIL SHALE

PROCESSING COMMENTS:

1990 P.O.D. approved 3-8-89 WSTC-MVRD  
Water Permit 49-991 (A57530)  
Permit 11-27-90 on surface  
Oil shale area

APPROVAL LETTER:

SPACING:  R615-2-3 Natural Buttes  
UNIT  
 N/A  
CAUSE NO. & DATE

R615-3-2  
 R615-3-3

STIPULATIONS:

Oil shale stipulation



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter  
Governor

Dee C. Hansen  
Executive Director

Dianné 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

C.I.G. Exploration, Inc.  
P. O. Box 749  
Denver, Colorado 80201-0749

Gentlemen:

Re: CIGE 114-34-9-21 - NE SE Sec. 34, T. 9S, R. 21E - Uintah County, Utah  
1931' FSL, 535' 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 stipulation:

1. Special attention is directed to compliance with Rule R615-3-34, which prescribes drilling procedures for designated oil shale areas.

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

1. Spudding notification 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.
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.

Page 2  
C.I.G. Exploration, Inc.  
CIGE 114-34-9-21  
November 30, 1990

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 43-047-31915.

Sincerely,



R. J. Firth  
Associate Director, Oil & Gas

tas  
Enclosures  
cc: Bureau of Land Management  
J. L. Thompson  
we14/1-6

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

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U-01194-A

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CIGE

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114-34-9-21

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Section 34, T9S, R21E

12. County or Parrish

Uintah

13. State

Utah

1a. Type of Work

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DEEPEN

PLUG-BACK

b. Type of Well

Oil Well

Gas Well

Other

Single Zone

Multiple Zone

2. Name of Operator

C.I.G. Exploration, Inc.

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)

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At proposed prod. zone

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1931'

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6100'

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Rotary

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

5069' GR

22. Approx. date work will start\*

January 1, 1991

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
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PLEASE REFER TO ATTACHED DRILLING PROGNOSIS.

DEC 1990  
RECEIVED

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. \_\_\_\_\_ Approval Date \_\_\_\_\_

Approved by: ACCEPTED BY BLM FOR UNIT PURPOSES ONLY Title: \_\_\_\_\_ Date: DEC 18 1990  
Conditions of approval: \_\_\_\_\_

Ut080-1m12  
DOG+M

WATER PERMIT OK

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

API NO. 43-047-31915 *del*

NAME OF COMPANY: CIG EXPLORATION INC.

WELL NAME: CIGE 114-34-9-21

SECTION NESE 34 TOWNSHIP 9S RANGE 21E COUNTY UINTAH

DRILLING CONTRACTOR LEON ROSS

RIG # \_\_\_\_\_

SPUDDED: DATE 3-18-91

TIME 2:00 p.m.

HOW DRY HOLE

DRILLING WILL COMMENCE COASTAL RIG #1 - Approx. 1 week

REPORTED BY LEON ROSS

TELEPHONE # 823-6311

DATE 3-19-91 SIGNED TAS

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

*del*

COMPANY: CIG EXPLORATION REPRESENTATIVE: LARRY TAVEGIA

WELL NAME: CIGE 114-34-9-21 API NO.: 43-047-31915

QTR/QTR: NESE SECTION: 34 TWP: 09 SOUTH RANGE: 21 EAST

INSPECTOR: CAROL KUBLY DATE: 3/23, 24/91

DRILLING CONTRACTOR: COASTAL RIG 1 TOOL PUSHER: DELOY DUNCAN

DEPTH: 253' SURFACE / INTERMEDIATE SIZE: 8 5/8" AT: 251'

TESTED BY: DOUBLE JACK TESTER: BRAD JACOBSEN

PRESSURE RATING OF STACK: 5000 # H2S RATED: NO

INSIDE BOPE: YES FULL OPENING VALVE ON FLOOR: YES

WRENCH FOR FULL OPENING VALVE / KELLYCOCK ON FLOOR: YES

	PRESSURE	TIME	STACK ARRANGEMENT
ANNULAR BOP	<u>1500 #</u>	<u>10 MIN</u>	1. <u>ROTATING HEAD</u>
TOP PIPE RAMS	<u>2000 #</u>	<u>10 MIN</u>	2. <u>HYDRIL</u>
BOTTOM PIPE RAMS	<u>          </u>	<u>          </u>	3. <u>BLIND RAMS</u>
BLIND RAMS	<u>2000 #</u>	<u>10 MIN</u>	4. <u>PIPE RAMS</u>
KELLY - LOWER	<u>2000 #</u>	<u>10 MIN</u>	5. <u>DRLG SPOOL</u>
KELLY - UPPER	<u>2000 #</u>	<u>10 MIN</u>	6. <u>CASING HEAD</u>
HCR	<u>          </u>	<u>          </u>	7. <u>          </u>
DART VALVE	<u>          </u>	<u>          </u>	8. <u>          </u>
FLOOR VALVE	<u>2000 #</u>	<u>10 MIN</u>	9. <u>          </u>
CHOKE LINES	<u>2000 #</u>	<u>10 MIN</u>	10. <u>          </u>
KILL LINES	<u>2000 #</u>	<u>10 MIN</u>	
CHOKE MANIFOLD	<u>2000 #</u>	<u>10 MIN</u>	
<u>INCLUDES INSIDE AND OUTSIDE VALVES</u>			

ADDITIONAL COMMENTS: TESTED SURFACE CASING TO 1500 # FOR 15 MINUTES.  
150 # BLED OFF. CASING LEAKED.

REPORTED BY: LARRY TAVEGIA TELEPHONE: 781-1736

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

COMPANY NAME: CIG EXPLORATION

WELL NAME: CIGE 114-34-9-21

QTR QTR: NESE SECTION: 34 TWP: 09 SOUTH RANGE: 21 EAST

CEMENTING COMPANY: WESTERN CO. OF NORTH AMERICA WELL SIGN: NO

INSPECTOR: CAROL KUBLY DATE: 3-19-91

CEMENTING OPERATIONS:

PLUGBACK: SQUEEZE: CASING: P-A ZONE:

SURFACE CASING: YES INTERMEDIATE: PROD. CASING:

PERFORATIONS: SQUEEZE PRESSURE:

CASING INFORMATION:

SIZE: 8 5/8" GRADE: J-55 WEIGHT: 24 # LENGTH: 251'

HOLE SIZE: 12 1/4" DEPTH: 253'

SLURRY INFORMATION

1. CLASS:  
LEAD: G TAIL: INCL. 3%CaCl +

2. SLURRY WEIGHT:  
LEAD: 15.8 TAIL: 1/4# SX CELLOSEAL

3. WATER (GAL / SX)  
LEAD: 4.96 TAIL:

4. COMPRESSIVE STRENGTH  
PSI AT: HARD IN HOUR: 1 1/2 HOURS

PIPE CENTRALIZED: X3 + 1 STOP RING CEMENTING STAGES: ONE

LOST RETURNS: NO REGAIN RETURNS: NO BARRELS LOST: 0

TOP OF CEMENT: SFC CEMENT TO SURFACE?: YES % EXCESS: 100 %

ADDITIONAL COMMENTS: PUMPED 6 BBL EATER THEN 10 BBL GEL WATER THEN 180 SX  
CMT (NO PLUG DROPPED) THEN 14 BBL WATER FOR DISPLACEMENT. LEST 50' OF CMT  
IN CASING. NO PLUG, NO FLOAT COLLAR, JUST GUIDE SHOE. GOOD CMT JOB.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING  
DRILLING INSPECTION FORM

COMPANY: CIG EXPLORATION REPRESENTATIVE: LARRY TAVEGIA

WELL NAME: CIGE 114-34-09-21 API #: 43-047-31915

QTR QTR: NESE SECTION: 34 TWP: 09 SOUTH RANGE: 21 EAST

CONTRACTOR: COASTAL RIG #1 TOOL PUSHER: DELOY DUNCAN

INSPECTOR: CAROL KUBLY TIME: 12:50 PM DATE: 3-27-91

OPERATIONS: DRILLING DEPTH: 4186'

SPUD DATE: AIR: 03/18/91 RIG: 03/24/91 T.D DATE: DEPTH:

<input checked="" type="checkbox"/>	APD	<input checked="" type="checkbox"/>	WELL SIGN	<input checked="" type="checkbox"/>	SANITATION
<input checked="" type="checkbox"/>	BOPE	<input checked="" type="checkbox"/>	BLOOIE LINE	<input type="checkbox"/>	H2S POTENTIAL
<input checked="" type="checkbox"/>	HOUSEKEEPING	<input type="checkbox"/>	BURN PIT	<input type="checkbox"/>	LATEST D.S. @ 4186' DEPTH
<input checked="" type="checkbox"/>	RESERVE PIT			<input checked="" type="checkbox"/>	FLARE PIT
<input checked="" type="checkbox"/>	FENCED			<input checked="" type="checkbox"/>	LINES RUN
<input type="checkbox"/>	LINED	<input type="checkbox"/>	PLASTIC BENTONITE		

SITE LAYOUT IN COMPLIANCE WITH SUBMITTED DESIGN

COMPLIANCE WITH PRESITE STIPULATIONS (IF NO, EXPLAIN BELOW).

LEGEND: (Y) - YES (N) - NO (P) - PROBLEM (N/A) - NOT APPLICABLE

REMARKS: DRILLING AT 4186'. RESERVE PIT 3/4 FULL DRILL CUTTINGS. DRLG W/  
AERATED MUD. LOCATION OK. LEFT 130' CEMENT INSIDE CASING AFTER SETTING  
SURFACE

DOUBLE JACK TESTING & SERVICES, INC.

PHONE (801) 781-8448

B.D.P. TEST REPORT

B.U.P. TEST PERFORMED ON (DATE) 3-23-91

OIL COMPANY COASTAL OIL & GAS

WELL NAME & NUMBER C16E# 114

SECTION 34

TOWNSHIP 9-5

RANGE 21E

COUNTY & STATE UINTAH UTAH

DRILLING CONTRACTOR COASTAL #1

OIL COMPANY SITE REPRESENTATIVE \_\_\_\_\_

RIG TOOL PUSHER \_\_\_\_\_

TESTED OUT OF VERNAL OFFICE

NOTIFIED PRIOR TO TEST STATE OF UTAH

COPIES OF THIS TEST REPORT SENT TO: COASTAL OIL & GAS

STATE OF UTAH

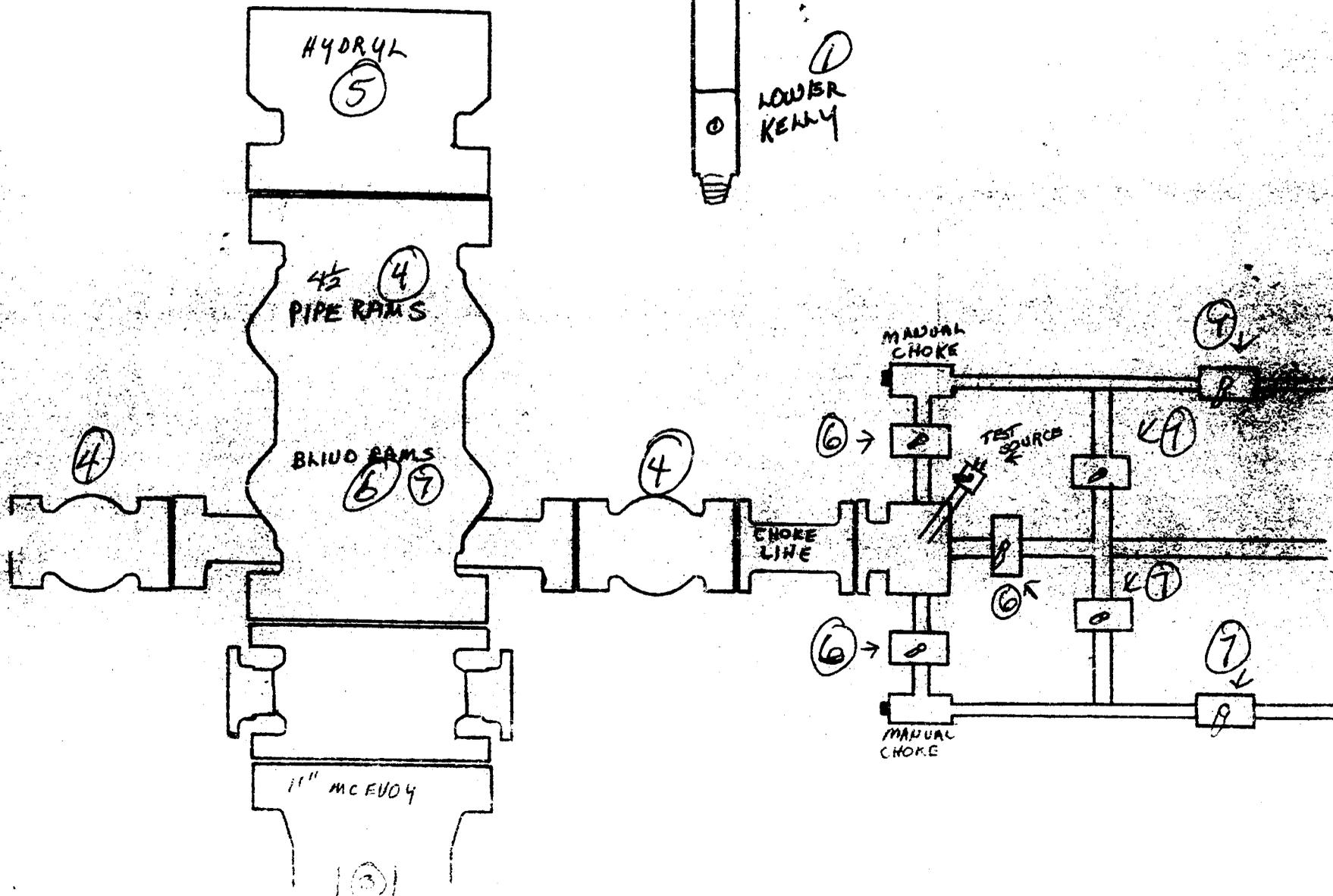
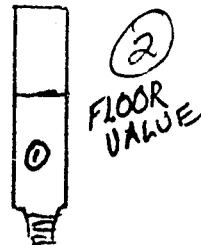
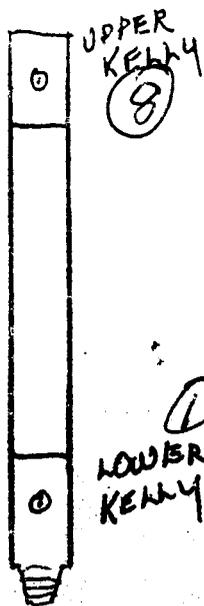
ORIGINAL CHART & TEST REPORT ON FILE AT: VERNAL OFFICE

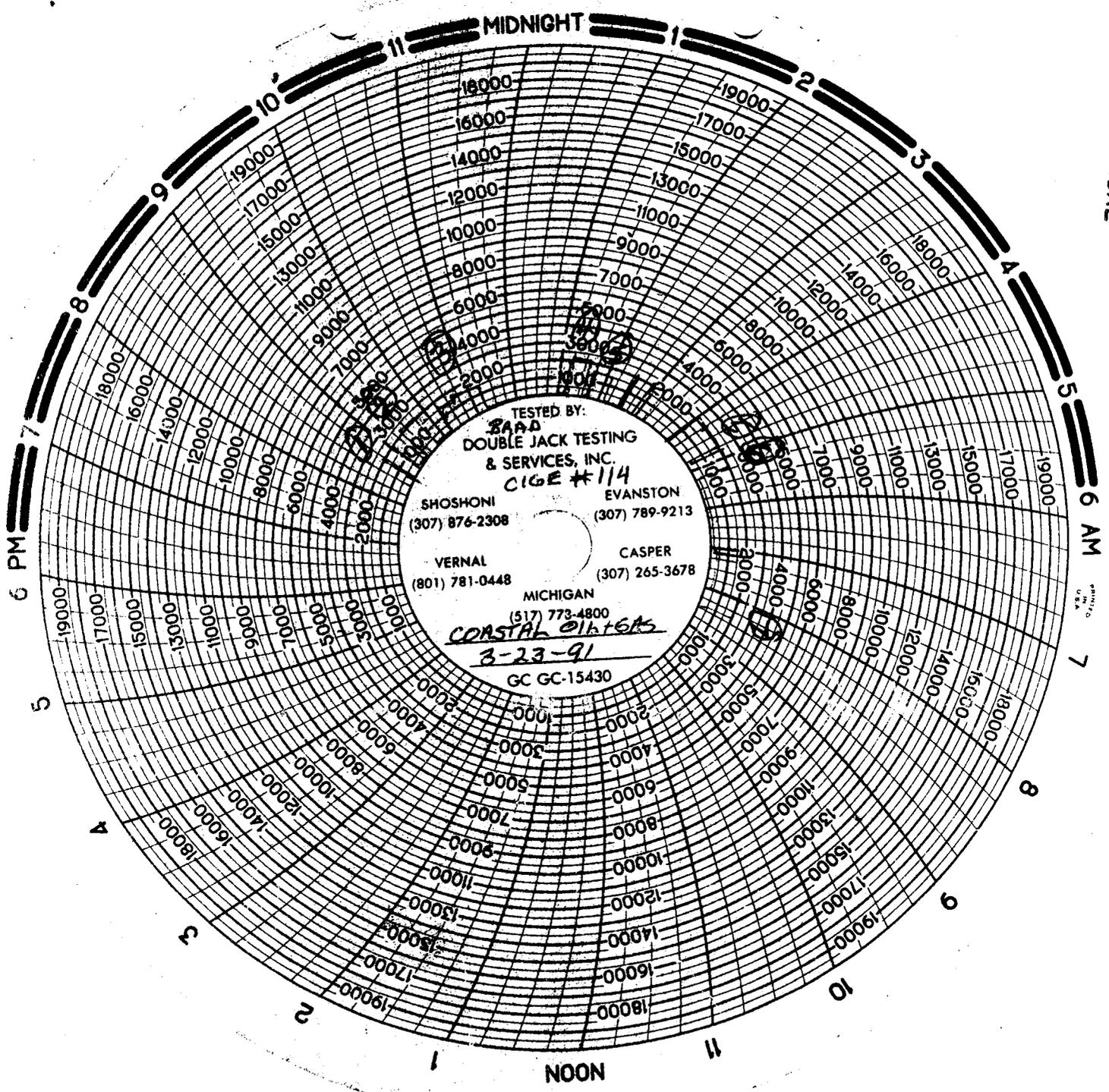
TESTED BY: DOUBLE JACK TESTING & SERVICES, INC.  
1225 E HWY 40 #4  
P O BOX 828  
VERNAL, UTAH 84078



COASTAL #1

MICROFICHE





TESTED BY:  
**BAAD**  
DOUBLE JACK TESTING  
& SERVICES, INC.  
CIGE #114

SHOSHONI (307) 876-2308      EVANSTON (307) 789-9213  
VERNAL (801) 781-0448      CASPER (307) 265-3678  
MICHIGAN (517) 773-4800  
**COASTAL OIL & GAS**  
**3-23-91**  
GC GC-15430

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

3. 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 Unit

2. NAME OF OPERATOR  
Coastal Oil & Gas Corporation

8. FARM OR LEASE NAME

CIGE

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

9. WELL NO.

#114-34-9-21

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

10. FIELD AND POOL, OR WILDCAT

Natural Buttes

At surface 1931' FSL & 535' FEL (NESE)

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

At proposed prod. zone Same as above

Section 34, T9S-R21E

14. API NO.  
43-047-31915 *dl*

13. ELEVATIONS (Show whether OF, RT, GR, etc.)  
5069' GR

12. COUNTY

Uintah

13. STATE

Utah

15. 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)

PULL OR ALTER CASING   
MULTIPLE COMPLETE   
ABANDON   
CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF   
FRACTURE TREATMENT   
SHOOTING OR ACIDIZING   
(Other) Report of spud

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

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) MIRU Leon Ross Drilling, Inc. Spud well at 2:00 P.M., 3/18/91. Drilled 12-1/4" hole to 253'. Ran 6 jts. of 8-5/8", 24#, J55, ST&C and set at 251'. Cemented w/180 sxs C1 "G" cement + additives. Cement to surface.

2) MIRU Coastal Dril #1. NU BOP and press test BOP to 2,000#, hydril and casing to 1500#-OK (Test witnessed by Carol Kubly/Utah State Division of Oil, Gas & Mining). Spud well w/rotary rig at 9:30 A.M., 3/24/91. Drilling ahead.

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MAR 29 1991

DIVISION OF  
OIL GAS & MINING

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

SIGNED

*Steven K. Smith*  
Steven K. Smith

TITLE Regulatory Analyst

DATE 3/27/91

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side

OPERATOR Coastal Oil & Gas Corporation

OPERATOR ACCT. NO. N0230

ADDRESS P. O. Box 749

Denver, Colorado 80201-0749

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	2900		43-047-31930	NBU #112	SESE	33	9S	22E	Uintah	3/7/91	3/7/91
WELL 1 COMMENTS: <i>Federal - Lease Field - Natural Buttes (Entity added 4-2-91) Unit - Natural Buttes</i>											
B	2900		43-047-31915 <sup>dl</sup>	CIGE #114-34-9-21	NESE	34	9S	21E	Uintah	3/18/91	3/18/91
WELL 2 COMMENTS: <i>FOR CIG EXPLORATION Federal - Lease Field - Natural Buttes Unit - Natural Buttes (Entity &amp; Alt. Address code added 4-2-91)</i>											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

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

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

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

(3/89)

**RECEIVED**

APR 01 1991

DIVISION OF  
OIL GAS & MINING

*Eileen Danni Dey*  
Signature Eileen Danni Dey

Regulatory Analyst 3/27/91  
Title Date

Phone No. (303) 573-4476



COASTAL OIL & GAS CORPORATION  
CHRONOLOGICAL HISTORY

CIGE #114  
NATURAL BUTTES UNIT  
UINTAH COUNTY, UTAH  
COASTALDRIL #1  
WI: 100% CIGE AFE: 18120  
ATD: 6150' (WASATCH) SD: 3/24/91  
CSG: 8-5/8" @ 263'; 5-1/2" @ 6149'  
DHC(M\$): 158.9

NE/SE SECTION 34-T9S-R21E

3/19/91 253' Running 8-5/8" csg. Spud surf hole @ 2:00 p.m., 3/18/91 w/Leon Ross Drlg & Const. Drill 253' of 12-1/4" hole. SDFN.

3/20/91 253' WORT. Ran 6 jts 8-5/8" 24# J-55 ST&C (250.49'). RU Western and cmt w/180 sx "G" w/2% CaCl<sub>2</sub> and 1/4#/sk Flocele. CC: \$11,567.

3/24/91 263' PU BHA. MI RURT. Tstg BOPE, witnessed by Carol Kubly w/State. RURT, PU BHA. Will spud early today. CC: \$40,488.

3/25/91 1720' Drlg 1457'/19.5 hrs. PU BHA, fill pit w/wtr. Drlg cmt & shoe. Cmt top @ 140' inside csg. Drlg, spud 9:30 a.m., 3/24/91. Svy, drlg, svy. Wtr @ 1660'. Drlg w/aerated wtr. pH 11.5, 1400 CFM. SVYS: 3/4 deg @ 755'; 1 deg @ 1570'. CC: \$55,578.

3/26/91 2940' Drlg 1220'/23 hrs. Drlg, svys, drlg. Aerated wtr, pH 11.0, 1400 CFM. SVY: 1-1/2 deg @ 2140'; 1-1/2 deg @ 2800'. CC: \$67,307.

3/27/91 3900' Drlg 960'/23-1/4 hrs. Drlg, RS, drlg, svy: 1 deg @ 3750'. Drlg w/aerated wtr. pH 11.0, 700 CFM. CC: \$73,695.

3/28/91 4670' Drlg 770'/18.5 hrs. Drlg, TFNB, SLM, no corr. Worked BOP's, no fill. Drlg, svy, drlg w/aerated wtr. pH 11.0, 450 SCFM air. SVY: 1-1/2 deg @ 4570'. CC: \$85,738.

3/29/91 5400' Drlg 730'/23-3/4 hrs. Drlg, RS, drlg. Drlg brks from 4877-86', 4976-99', 5045-55', 5219-28', 5261-63' - good gas kick. Drlg w/aerated wtr. pH 10+, CFM 450. CC: \$96,126.

3/30/91 6000' Drlg 600'/23-1/4 hrs. Drlg, RS, svy, drlg. Drlg brks from 5423-35', 5878-97' - unload hole. Drlg w/aerated wtr. pH 10.5, 450 CFM. SVY: 1-3/4 deg @ 5550'. CC: \$102,179.

3/31/91 6150' LD DP 150'/6 hrs. Drlg, short trip 15 stds, no drag. Wash 30' to bttm, no fill. Displ hole w/400 bbls 10# brine. TOH for logs. Log open hole w/Howco Logging Service. Logger's TD 6096'. Run DLL-DSN/CBL/GR from 6096-0'; Cal log from 6096' to surf csg. TIH, wash 50' to bttm, small bridge. LD DP. pH 10.5. CC: \$120,183.

4/1/91 6150' PU bit & DC's. TIH, prep to drill cmt. LD DP & DC's. Change pipe rams to 5-1/2". Test rams and BOP seals to 2000# - OK. RU csg tools. Run 152 jts 5-1/2" 17# N-80 LT&C 8rd csg. 6155.12' set @ 6149', FC @ 6106'. Circ & wash bridges from 5810' to 6150'. Circ 5-1/2" csg. Cmt w/Howco. Pump 20 bbls FW, 720 sx Prem + w/.5% LWL, 1.5 gal/sx Howco suds, .75% HC2, w/44,000 SCR Nitrogen. Tail w/320 sx Prem + w/.3% Hal 413, .2% Super CBL, 1#/sk Capseal, 1/4#/sk Floseal. Displ w/114 bbls wtr. Bridged off. Press to 3500#, flwd back 29 bbls short of displ. 1247' of cmt in csg. Set csg slips w/110,000#. Press csg to 3500#, ND BOP's, change rams to 2-3/8" WOC, unload and talley 2-3/8" tbg. Blew off csg, no flow. Cut off csg. CC: \$207,578.

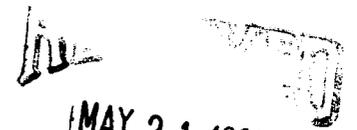
4/2/91 6150' Drill out cmt. PU 4-3/4" bladed bit, 4 - 3-1/2" DC's & 2-3/8" tbg. RIH to 3970'. RU swivel and circ equipment. Circ 100 bbls. RIH to 4654'. Tag cmt, PU swivel. DO cmt, cmt soft. Found plug at 4434'. Drill to 4744', plug turning under mill. Prep to POOH, RU belly board. POOH w/3 bladed bit. RIH w/4-3/4" 3 bladed mill. Bit #1 looks new. Drill cmt from 4744' to 4749'. cutting 2'/hr. CC: \$214,226.

COASTAL OIL & GAS CORPORATION  
CHRONOLOGICAL HISTORY

CIGE #114  
NATURAL BUTTES UNIT  
UINTAH COUNTY, UTAH

PAGE 2

- 4/3/91 6150' Drlg cmt @ 5087'. Drl cmt 4749' to 4769'. Circ, TOH w/mill. RU air drlg equip. TIH w/ 4-3/4" 3 bladed bit. Blow hole each 4 stds going in. Drlg cmt 4969-4835'. Plug bit, RU to reverse circ. Unplug bit WO string float. Install string float, drlg cmt 4835-5087'. CC: \$221,898.
- 4/4/91 6150' LD tbg. Drill out cmt from 5087' to 5595'. Hole loaded up, circ clean. Drill out cmt from 5595' to 6103'. blow hole clean. Circ hole w/200 bbls 3% KCl. RD swivel, start LD tbg. CC: \$233,869.
- 4/5/91 6150' RD MORT. LD tbg & DC's. ND BOP, release rig @ 1:00 p.m., 4/4/91. CC: \$242,679.



MAY 21 1991

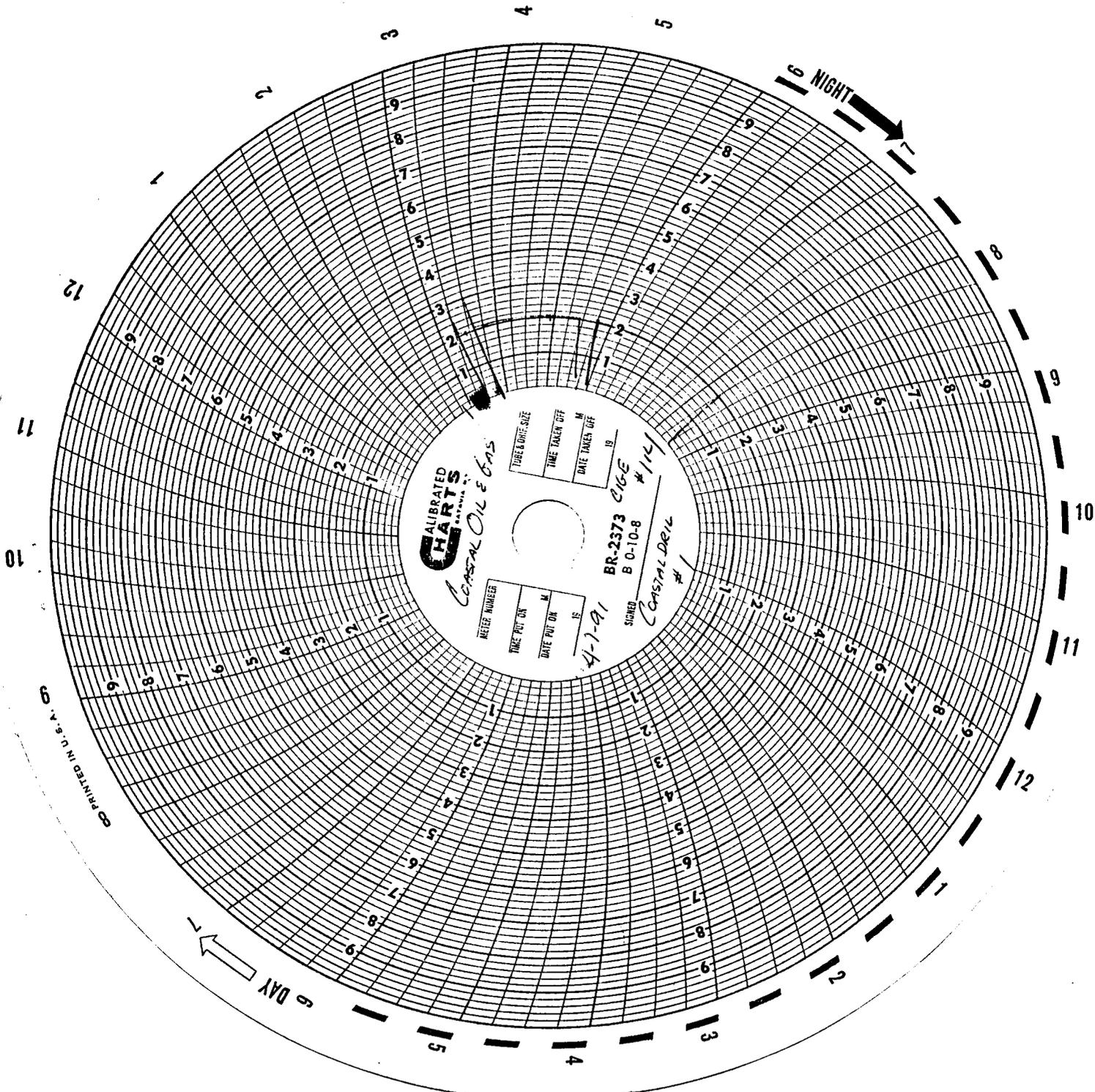
DIVISION OF  
OIL GAS & MINING

Coastal Oil & Gas  
CIGE 114  
Coastal Drilling #1  
Section 34  
Township 9S  
Range 21E  
Uintah County, Utah  
04/01/91  
Tested by Paul Yoder  
43-047-31915

QUICK TEST INC.  
OFFICE (801) 789-8159

Coastal Oil & Gas  
CIGE 114  
04/01/91

TEST #	ITEM TESTED	PRESSURE	MIN. HELD	RESULTS
1	Pipe ram, 1st choke, 1st kill	2000	10	No visible leaks



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

6. Lease Designation and Serial Number

U-01194-A-ST

Indian Allottee or Tribe Name

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.

N/A

8. Unit or Communitization Agreement

Natural Buttes Unit

9. Well Name and Number

CIGE #114-34-9-21

1. Type of Well

Oil Well

Gas Well

Other (specify)

2. Name of Operator

Coastal Oil & Gas Corporation

10. API Well Number

43-047-31915

3. Address of Operator

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

4. Telephone Number

(303) 573-4476

11. Field and Pool, or Wildcat

Natural Buttes

5. Location of Well

Footage 1931' FSL & 535' FEL  
CO. Sec. T. R. M. : NE/SE Section 34, 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 Pipeline Right-of-Way
- 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 CIGE #114-34-9-21 gas well and tie into the existing gas pipeline. This right-of-way will be located in Section 34, T9S-R21E within lease U-01194-A-ST and within the Natural Buttes Unit boundaries. Coastal requests a 30' width easement with a total slope distance of ±1380'. There will be minimum surface disturbance as the pipeline will be laid on the surface. Please see the attached topographic map which illustrates this proposed right-of-way.

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

DATE: 3-9-92

BY: JRM Matthews

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NOV 13 1991

DIVISION OF

OIL GAS & MINING

I hereby certify that the foregoing is true and correct

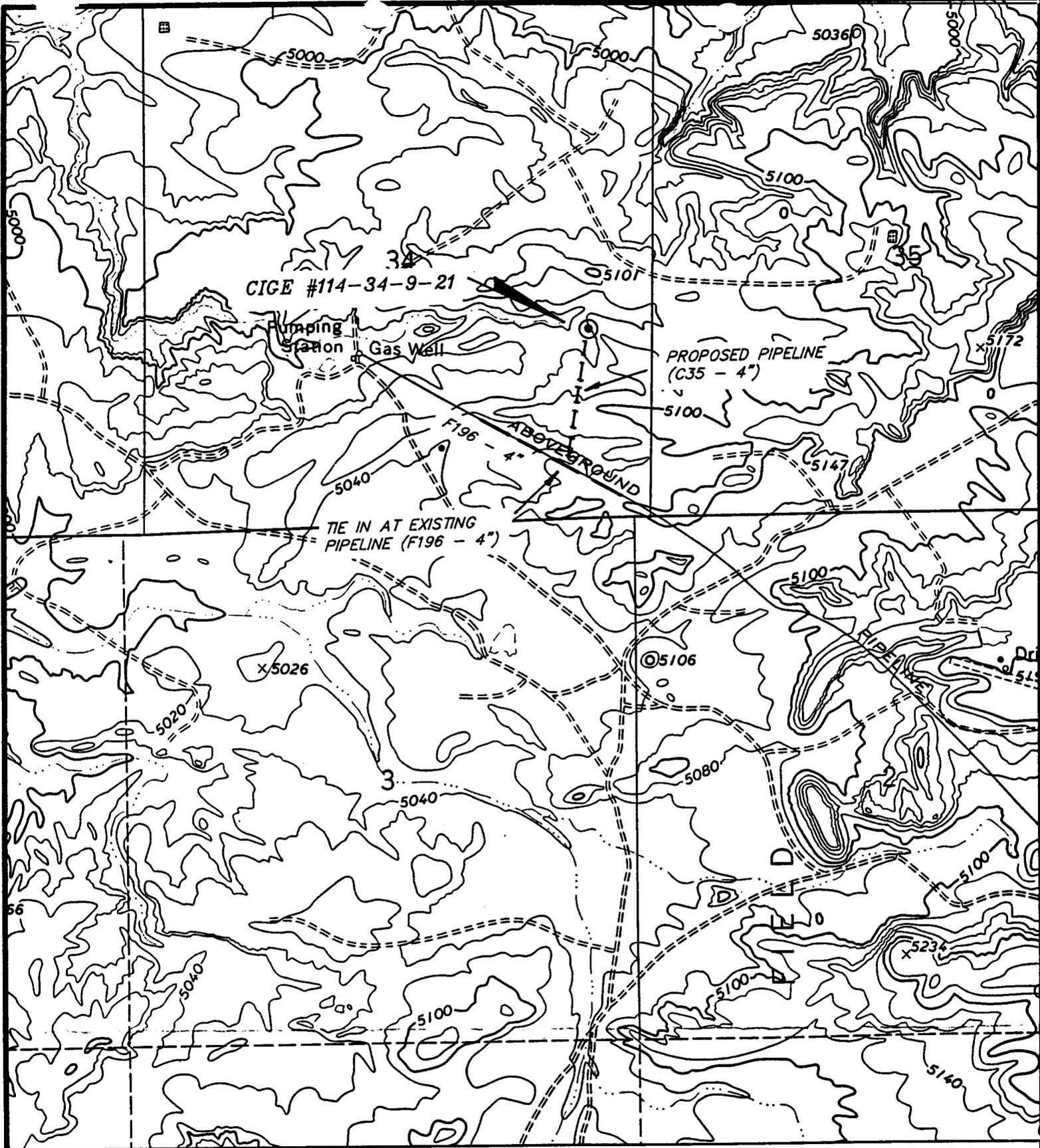
Name & Signature

Gilbert Dennis Day

Title Regulatory Analyst Date 11/12/91

State Use Only

EFFECT DATE



**TOTAL PIPELINE SLOPE DISTANCE = 1,380'**

**TOPOGRAPHIC  
MAP**

LEGEND

- EXISTING PIPELINE
- |-|-|-|- Proposed Pipeline



**COASTAL OIL & GAS CORP.**

PROPOSED PIPELINE RIGHT-OF-WAY FOR  
CIGE #114-34-9-21  
SECTION 34, T9S, R21E, S.L.B.&M.

DATE 11-4-91



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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APR 17 1992

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

SUNDRY NOTICES AND REPORTS ON WELLS OIL GAS & MINING

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 Expioratory Area  
 Natural Buttes

11. County or Parish, State  
 Uintah County, Utah

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

TYPE OF SUBMISSION

TYPE OF ACTION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

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

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

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

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

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

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

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

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

Title Regulatory Analyst Date 4/14/92

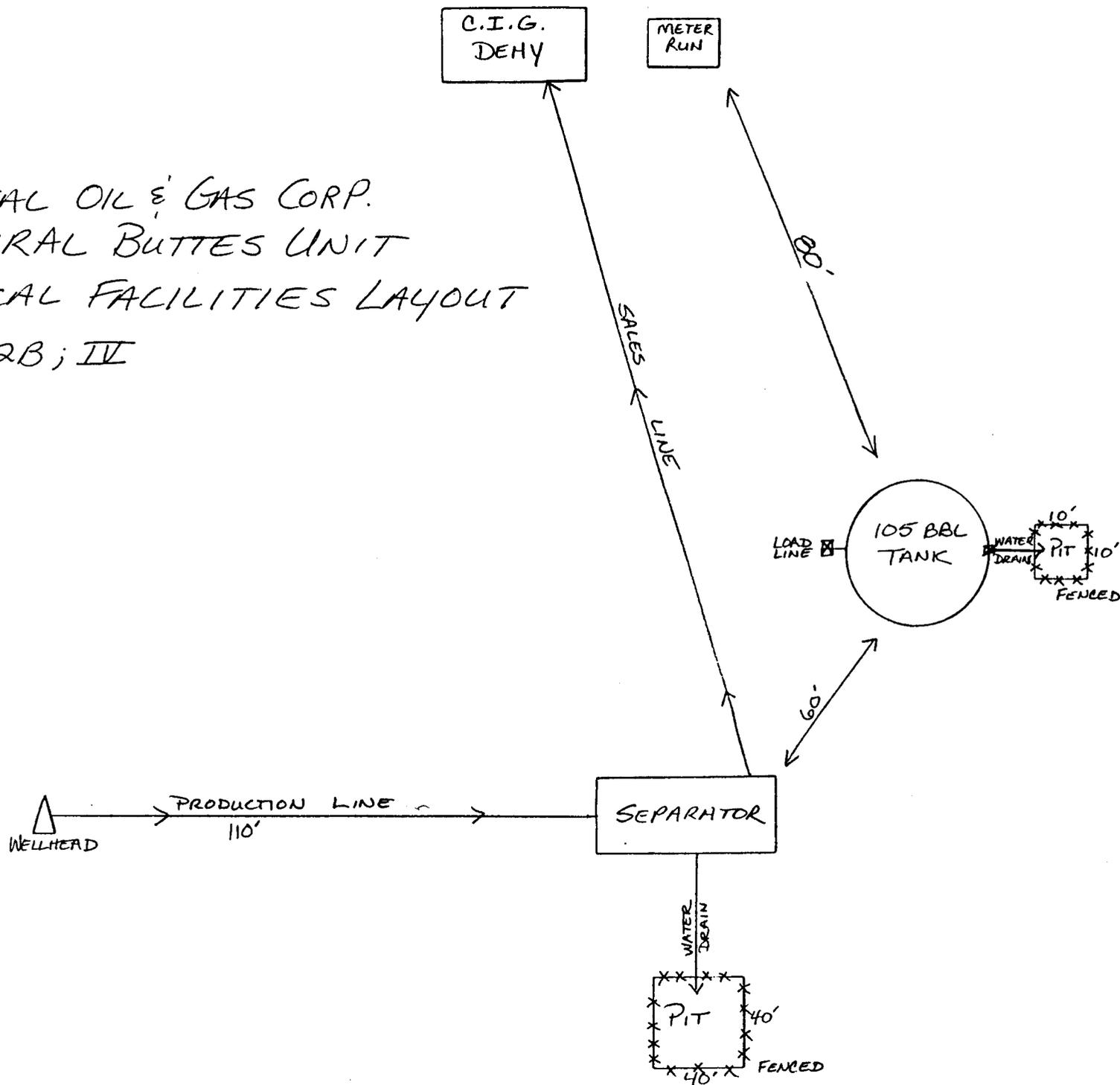
**Accepted by the State  
of Utah Division of  
Oil, Gas and Mining**

Date: 4-29-92

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

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

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



13-Apr-92

NATURAL BUTTES

UINTAH COUNTY, UTAH

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

13-Apr-92

NATURAL BUTTES

UINTAH COUNTY, UTAH

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

13-Apr-92

NATURAL BUTTES

UINTAH COUNTY, UTAH

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

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

6. Lease Designation and Serial Number	U-01194-A-ST
7. Indian Allottee or Tribe Name	N/A
8. Unit or Communitization Agreement	Natural Buttes Unit
9. Well Name and Number	CIGE #114-34-9-21
10. API Well Number	43-047-31915
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 : 1931' FSL & 535' FEL Qd. Sec. T., R., M. : NE/SE Section 34, T9S-R21E	County : Uintah State : UTAH

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

<b>NOTICE OF INTENT</b> (Submit in Duplicate)	<b>SUBSEQUENT REPORT</b> (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 1st Sales</u>
<input type="checkbox"/> Other	
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.)

The above referenced well was connected to CIG's gas salesline and first sales occurred at 2:00 p.m., 1/27/93, with a rate of 1332 MCFPD, 0 BOPD, 0 BWPD, FTP 1651 psi, SICP 1526 psi, on 10/64" choke.

**RECEIVED**  
FEB 01 1993  
DIVISION OF  
OIL GAS & MINING

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

Name & Signature: [Signature] Title: Regulatory Analyst Date: 1/28/93

State Use Only)

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1. TYPE OF WELL: OIL WELL  GAS WELL  DEW  Other \_\_\_\_\_

2. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RECVL.  Other \_\_\_\_\_

3. NAME OF OPERATOR: Coastal Oil & Gas Corporation

4. ADDRESS OF OPERATOR: P. O. Box 749 Denver, CO 80201-0749 (303) 573-4476

5. LOCATION OF WELL (Report location clearly and in accordance with any state requirements):  
At surface: 1931' FSL & 535' FEL (NE/SE)  
At top prod. interval reported below: Same as above.  
At total depth: Same as above.

6. LEASE DESIGNATION AND SERIAL NO.: U-01194-A-ST

7. IF INDIAN, ALLIATED OR TRIBE NAME: N/A

8. UNIT AGREEMENT NAME: Natural Buttes Unit

9. FARM OR LEASE NAME: CICE

10. WELL NO.: 114-34-9-21

11. FIELD AND POOL OR WILDCAT: Natural Buttes

12. SEC. T., R. M., OR BLOCK AND SURVEY OR AREA: Section 34, T9S-R21E

13. DATE ISSUED: 3/18/91

14. DATE T.D. REACHED: 3/30/91

15. DATE COMPL. (Ready to prod.): 1/14/93 (Plug & Abd.)

16. ELEVATIONS (DF. BEB. AT. OR ETC.): 5069' GR

17. COUNTY: Uintah

18. STATE: Utah

19. TOTAL DEPTH, MD & TVR: 6150'

20. PLUG BACK T.D., MD & TVR: 6103'

21. IF MULTIPLE COMPL. HOW MANY: \_\_\_\_\_

22. INTERVALS DRILLED BY: SFC-TD

23. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVR): 4933'-5896' (Wasatch)

24. TYPE ELECTRIC AND OTHER LOGS: DLL/DSN/CDL/GR; CBL

25. WAS WELL CORED YES  NO  (Indicate completion)

26. DRILL STEM TEST YES  NO  (See separate report)

27. WAS DIRECTIONAL SURVEY MADE: No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT POLLED
8-5/8"	24#	251'	12-1/4"	180 sx CL "G" & ADD	None
5-1/2"	17#	6149'	7-7/8"	1040 sx Prem Plus	None
8-5/8" x 5-1/2" Annulus: 205 sx Super "G" Bullhead Squeeze					

29. LINE RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACK CEMENT	SCREEN (MD)	28. TUBING RECORD
					SIZE: 2-3/8" DEPTH SET (MD): 4877'

30. PREPARATION RECORD (Indicate, just one number): csg gun, 1 JSPP @ the following depths: Perf'd w/4"

DEPTH	DEPTH	DEPTH	DEPTH	30. ACID, SHOT, FRACTURE CEMENT SQUEEZE, ETC.
4933'	4992'	5553'	5892'	4933'-5896' 36 bbls Acid w/40 BS's
4982'	4996'	5884'	5894'	4933'-5896' 59,978 gal Purgel III; 118 tons CO <sub>2</sub> ; 230,100# 20/40 sand
4986'	5427'	5886'	5896'	
	5432'	5888'		

31. PRODUCTION

DATE FIRST PRODUCTION: 12/22/92

PRODUCTION METHOD (Flowing, gas lift, pumping-over and type of pump): Flowing

WELL STATUS (Producing or Aband.): Producing

DATE OF TEST	HOURS TESTED	CORR. SIZE	PROD. FOR TEST PERIOD	OIL—GAL.	GAS—MCF.	WATER—GAL.	GAS-OIL RATIO
1/14/93	24	18/64"		0	750	0	N/A

PLW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—GAL.	GAS—MCF.	WATER—GAL.	OIL GRAVITY-API (CORR.)
375	400		0	750	0	N/A

32. DISPOSITION OF GAS (Solid, used for fuel, vented, etc.): Sold

33. LIST OF ATTACHMENTS: Chronological History

34. TEST WITNESSED BY: B. Rawlings

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

SIGNED: *William Darrin Day* Regulatory Analyst

DATE: 2/19/93

## 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.				38. GEOLOGIC MARKERS		
Formation	Top	Bottom	Description, contents, etc.	Name	Top Meas. Depth	Top True Vert. Depth
				Wasatch	4788' 1	4788'

C/O G. H. H.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

RECEIVED

FEB 24 1993

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1. TYPE OF WELL: OIL WELL  GAS WELL  DRY

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

3. NAME OF OPERATOR: Coastal Oil & Gas Corporation

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

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements):  
At surface: 1931' FSL & 535' FEL (NE/SE)  
At top prod. interval reported below: Same as above.  
At total depth: Same as above.

6. LEASE DESIGNATION AND SERIAL NO.: U-01194-A-ST

7. IF INDIAN ALLOTTEE OR TRIBE NAME: N/A

8. UNIT AGREEMENT NAME: Natural Buttes Unit

9. FARM OR LEASE NAME: CICE

10. WELL NO.: 114-34-9-21

11. FIELD AND POOL OR WILDCAT: Natural Buttes

12. SEC. T. R. M. OR BLOCK AND SURVEY OR AREA: Section 34, T9S-R21E

14. API NO.: 43-047-31915 | DATE ISSUED: 11/30/90 | 12. COUNTY: Uintah | 13. STATE: Utah

15. DATE SPUNDED: 3/18/91 | 16. DATE T.D. REACHED: 3/30/91 | 17. DATE COMPL. (Ready to prod.): 1/14/93 (Plug & Abd.) | 18. ELEVATIONS (DF. SER. AT. CR. ETC.): 5069' GR | 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD: 6150' | 21. PLUG BACK T.D., MD & TVD: 6103' | 22. IF MULTIPLE COMPL. HOW MANY: | 23. INTERVALS DRILLED BY: SFC-TD | ROTARY TOOLS: | CABLE TOOLS:

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD): 4933'-5896' (Wasatch) | 25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: DLL/DSN/CDL/GR; CBL A-24-91 | 27. WAS WELL CORED YES  NO  (Indicate completion) | DRILL STEM TEST YES  NO  (See previous table)

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	MOLE SIZE	CEMENTING RECORD	AMOUNT FULLED
8-5/8"	24#	251'	12-1/4"	180 sx CL "G" & ADD	None
5-1/2"	17#	6149'	7-7/8"	1040 sx Prem Plus	None
8-5/8" x 5-1/2" Annulus: 205 sx Super "G" Bullhead Squeeze					

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	PACKER CEMENT	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	4877'	

31. PERFORATION RECORD (Interval, size and number)

Perf'd w/4" csg gun, 1 JSPF @ the following depths:

DEPTH	INTERVAL	AMOUNT AND KIND OF MATERIAL USED
4933'	4992' - 5553'	36 bbls Acid w/40 BS's
4982'	4996' - 5884'	59,978 gal Purgel III; 118 tons CO <sub>2</sub> ; 230,100# 20/40 sand
4986'	5427' - 5888'	

32. ACID SHOT, FRACTURE CEMENT SQUEEZE, ETC.

33. PRODUCTION

DATE FIRST PRODUCTION: 12/22/92 | PRODUCTION METHOD: Flowing | WELL STATUS: Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO
1/14/93	24	18/64"		0	750	0	N/A

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.)
375	400		0	750	0	N/A

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): Sold | TEST WITNESSED BY: B. Rawlings

35. LIST OF ATTACHMENTS: Chronological History

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

SIGNED: Eileen Danni Day | TITLE: Regulatory Analyst | DATE: 2/19/93

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.

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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.				38. GEOLOGIC MARKERS		
Formation	Top	Bottom	Description, contents, etc.	Name	Top	
					Meas. Depth	True Vert. Depth
				Wasatch	4788'	4788'

THE COASTAL CORPORATION  
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

CIGE #114-34-9-21  
SECTION 34-T9S-R21E  
NATURAL BUTTES UNIT  
UINTAH COUNTY, UTAH  
WI: 100% CIGE AFE: 18120 R2

Page 4

- 12/21/92 Prep to perf. MIRU Western Oil Well Service. PU tbg & RIH to 5920'. Displace hole w/150 bbl 3% KCl, test 3000 psi, OK. Start POOH. DC: \$19,350 TC: \$335,762
- 12/22/92 Flow test, RDMO. POOH w/91 stds & 1 single (5888'). MIRU Cutters WLS. Run 4" csg guns, stacked out @ 4383'. Run 3-1/8" csg guns. Perf 14 holes, 4933'-5896'. RDMO Cutters. TIH w/tbg (5888'). MIRU Western Company. Spot 925 gal (22 bbl) 15% HCl across perfs. Flush w/18 bbl 3% KCl. RD Western. POOH & LD 32 jts tbg, EOT @ 4876.5'. ND BOP's, NU WH. MIRU Western & breakdown perfs. Pmpd 36 bbl acid w/40 - 1.3 balls, 4800#, 6.5 BPM. 16.5 bbls into flush, balled off. Surge balls. Flush to BP @ 5896' w/26 bbl 3% KCl @ 4800#, 7 BPM. ISIP 2000#, 5 min 1900#, 10 min 1850#, 15 min 1800#. Max rate 7 BPM - 5000#, avg rate 7 BPM @ 4800#. RDMO Western. Flow well to pit. DC: \$10,919 TC: \$346,681
- 12/22/92 Flwg 900 MCFD, FTP 350 psi, CP 570 psi, 20/64" chk.
- 12/23/92 SI, WO frac. Flwd 500 MCFD dry gas, FTP 250 psi, CP 450 psi, 20/64" chk. SI @ 7:00 a.m., 12/22/92. Drop from report.
- 1/8/93 Flow back after frac. Set & fill frac tanks & CO<sub>2</sub> vessels. RU Halliburton frac equip. Frac perfs 4933'-5896' (14 holes) w/59,978 gal Purgel III + 118 tons CO<sub>2</sub> (30% to 15%) + 230,100# 20/40 sand in 2 stages w/6 balls sealers between stages. AIR 1st stage - 35 BPM @ 3950#, 2nd stage 25 BPM @ 3520#. ISIP 1970#, 5 min 1843#, 10 min 1831#, 15 min 1816#. SI 2-hrs, start flow back @ 6:00 p.m. on 18/64" chk, 1515 BLTBR. DC: \$77,480 TC: \$424,161
- 1/8/93 Flwg 1.0 MMCFD CO<sub>2</sub>, FTP 1250 psi, CP 1250 psi, 18/64" chk, 8 BWPH.
- 1/9/93 Flwg 1.5 MMCFD CO<sub>2</sub>, FTP 875 psi, CP 1000 psi, 18/64" chk, 4 BWPH.
- 1/10/93 Flwg 1.0 MMCFD CO<sub>2</sub>, FTP 650 psi, CP 675 psi, 18/64" chk, 3 BWPH.
- 1/11/93 Flwg 800 MCFD CO<sub>2</sub>, FTP 500 psi, CP 575 psi, 18/64" chk, 2 BWPH.
- 1/12/93 Flwg 1.3 MMCFD CO<sub>2</sub>, FTP 675 psi, CP 525 psi, 18/64" chk, 2 BWPH.
- 1/13/93 Flwg 700 MCFD CO<sub>2</sub>, FTP 400 psi, CP 500 psi, 18/64" chk, 1 BWPH.
- 1/14/93 Flwg 900 MCFD CO<sub>2</sub>, FTP 400 psi, CP 450 psi, 18/64" chk, 1t mist.
- 1/15/93 SI, WOPLC. Flwd 750 MCFD dry gas, FTP 375 psi, CP 400 psi, 18/64" chk. SI @ 2:00 p.m., 1/14/93. Drop from report.

THE COASTAL CORPORATION  
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

Page 3

CIGE #114-34-9-21  
SECTION 34-T9S-R21E  
NATURAL BUTTES UNIT  
UINTAH COUNTY, UTAH  
WI: 100% CIGE AFE: 18120 R2  
TD: 6150' (Wasatch) SD: 3/24/91  
Csg: 5-1/2" @ 6149'  
Perfs: 4933'-5896'  
CWC(MS): 506.0

- 4/23/91 MIRU CU. NU BOP's.  
DC: \$2,150 TC: \$244,829
- 4/24/91 Prep to perf squeeze holes. PU tbg, mill and scraper. TIH to PBTD @ 6103'. Test csg to 4000 psi.  
DC: \$3,280 TC: \$248,109
- 4/25/91 Spotting acid. MIRU Howco and OWP. Run 4" csg gun to 5427'. Shot 4 squeeze holes @ 5427'. Pump down 5-1/2" csg w/Halliburton to establish injection rate. Pump 7 bbl per min @ 2500 psi. RD Howco. RU OWP. Ran a 5-1/2" x 17# WL. Set cmt retainer @ 5320'. RD OWP. RU Howco. TIH w/2-3/8" tbg. Sting into retainer. Test tbg to 2500 psi, held OK. Pump into tbg @ 1-3/4 BPM @ 2000 psi. Pmpd 220 bbl 3% KCl. SD due to low injection rate.  
DC: \$7,195 TC: \$255,304
- 4/26/91 Mill out cmt retainer. Pmpd 15 bbl 3% KCl @ 1-3/4 BPM @ 2000 psi. Pmpd 24 bbl 15% acid. Flushed w/24 bbl 3% KCl @ 1-3/4 BPM @ 2000 psi. SI tbg w/2000 psi; 15 min broke from 1650 psi to 200 psi. Pmpd 400 bbl 3% KCl @ 4 BPM @ 2500 psi. Started cmt job. Pump 10 bbl freshwater. Pump 48 bbl Flocheck. Pump 10 bbl freshwater. Mix and pump 420 sx Silica Lite. Mix and pump 330 sx Premium Plus Class "G". Added 2% CaCl<sub>2</sub> in last 80 sxs. Flushed with 20.5 bbl 3% KCl. AIR 4 BPM, AIP 2200 psi. RD Howco. Sting out of retainer. POOH w/2-3/8" tbg. RU OWP. Run temperature log. Cmt top @ 1620'.  
DC: \$43,735 TC: \$299,039
- 4/27/91 Cmt 8-5/8" x 5-1/2" annulus. No psi on the 5-1/2" csg. Slight blow up 5-1/2" x 8-5/8" annulus. TIH w/mill and 2-3/8" tbg. RU power swivel and break circ. Tag cmt @ 5297'. Drill 23' cmt. Milled cmt retainer @ 5320'. Milled 107' cmt. Circ well clean. POOH w/4 stds. Close BOP's. Shut well in.  
DC: \$4,043 TC: \$303,082
- 4/28/91 WOC. MIRU Western. Cmt 8-5/8" x 5-1/2" annulus. Pump 20 bbl LCM pill @ 200 psi and 24 BPM. Pump 55 sx cmt w/LCM. Pump 150 sx Super "G" cmt. Pumped 10 bbl fresh flush. AIP 200 psi, AIR 2.4 BPM.  
DC: \$6,017 TC: \$309,099
- 4/29/91 SDFS.
- 4/30/91 RD CU. TIH w/tbg to PBTD @ 6103'. Try to circ csg clean. Mill plugged. POOH & LD mill. PU notched collar. TIH to PBTD. Circ csg clean. POOH laying down tbg.  
DC: \$2,505 TC: \$311,604
- 5/1/91 RDMO CU. Could not MO due to mud and weather conditions.
- 5/3/91 Shut-in, waiting to perf. MIRU OWP. Run CBL-CCL-GR from PBTD @ 6013' to surface w/1000 psi on csg. 6103'-4500' showed 95% to 100% bond. 4500' to surface showed 20% to 30% bond. RDMO OWP.  
DC: \$4,808 TC: \$316,412
- 5/4/91 Waiting to perf. Drop from report until further activity.

COASTAL OIL & GAS CORPORATION  
CHRONOLOGICAL HISTORY

CIGE #114  
NATURAL BUTTES UNIT  
UINTAH COUNTY, UTAH

PAGE 2

- 4/3/91 6150' Drlg cmt @ 5087'. Drl cmt 4749' to 4769'. Circ, TOH w/mill. RU air drlg equip. TIH w/ 4-3/4" 3 bladed bit. Blow hole each 4 stds going in. Drlg cmt 4969-4835'. Plug bit, RU to reverse circ. Unplug bit WO string float. Install string float, drlg cmt 4835-5087'. CC: \$221,898.
- 4/4/91 6150' LD tbg. Drill out cmt from 5087' to 5595'. Hole loaded up, circ clean. Drill out cmt from 5595' to 6103'. blow hole clean. Circ hole w/200 bbls 3% KCl. RD swivel, start LD tbg. CC: \$233,869.
- 4/5/91 6150' RD MORT. LD tbg & DC's. ND BOP, release rig @ 1:00 p.m., 4/4/91. CC: \$242,679.

COASTAL OIL & GAS CORPORATION  
CHRONOLOGICAL HISTORY

NE/SE SECTION 34-T9S-R21E

CIGE #114  
NATURAL BUTTES UNIT  
UINTAH COUNTY, UTAH  
COASTALDRIL #1  
WI: 100% CIGE AFE: 18120  
ATD: 6150' (WASATCH) SD: 3/24/91  
CSG: 8-5/8" @ 263'; 5-1/2" @ 6149'  
DHC(M\$): 158.9

- 3/19/91 253' Running 8-5/8" csg. Spud surf hole @ 2:00 p.m., 3/18/91 w/Leon Ross Drlg & Const. Drill 253' of 12-1/4" hole. SDFN.
- 3/20/91 253' WORT. Ran 6 jts 8-5/8" 24# J-55 ST&C (250.49'). RU Western and cmt w/180 sx "G" w/2% CaCl<sub>2</sub> and 1/4#/sk Flocele. CC: \$11,567.
- 3/24/91 263' PU BHA. MI RURT. Tstg BOPE, witnessed by Carol Kubly w/State. RURT, PU BHA. Will spud early today. CC: \$40,488.
- 3/25/91 1720' Drlg 1457'/19.5 hrs. PU BHA, fill pit w/wtr. Drlg cmt & shoe. Cmt top @ 140' inside csg. Drlg, spud 9:30 a.m., 3/24/91. Svy, drlg, svy. Wtr @ 1660'. Drlg w/aerated wtr. pH 11.5, 1400 CFM. SVYS: 3/4 deg @ 755'; 1 deg @ 1570'. CC: \$55,578.
- 3/26/91 2940' Drlg 1220'/23 hrs. Drlg, svys, drlg. Aerated wtr, pH 11.0, 1400 CFM. SVY: 1-1/2 deg @ 2140'; 1-1/2 deg @ 2800'. CC: \$67,307.
- 3/27/91 3900' Drlg 960'/23-1/4 hrs. Drlg, RS, drlg, svy: 1 deg @ 3750'. Drlg w/aerated wtr. pH 11.0, 700 CFM. CC: \$73,695.
- 3/28/91 4670' Drlg 770'/18.5 hrs. Drlg, TFNB, SLM, no corr. Worked BOP's, no fill. Drlg, svy, drlg w/aerated wtr. pH 11.0, 450 SCFM air. SVY: 1-1/2 deg @ 4570'. CC: \$85,738.
- 3/29/91 5400' Drlg 730'/23-3/4 hrs. Drlg, RS, drlg. Drlg brks from 4877-86', 4976-99', 5045-55', 5219-28', 5261-63' - good gas kick. Drlg w/aerated wtr. pH 10+, CFM 450. CC: \$96,126.
- 3/30/91 6000' Drlg 600'/23-1/4 hrs. Drlg, RS, svy, drlg. Drlg brks from 5423-35', 5878-97' - unload hole. Drlg w/aerated wtr. pH 10.5, 450 CFM. SVY: 1-3/4 deg @ 5550'. CC: \$102,179.
- 3/31/91 6150' LD DP 150'/6 hrs. Drlg, short trip 15 stds, no drag. Wash 30' to bttm, no fill. Displ hole w/400 bbls 10# brine. TOH for logs. Log open hole w/Howco Logging Service. Logger's TD 6096'. Run DLL-DSN/CBL/GR from 6096-0'; Cal log from 6096' to surf csg. TIH, wash 50' to bttm, small bridge. LD DP. pH 10.5. CC: \$120,183.
- 4/1/91 6150' PU bit & DC's. TIH, prep to drill cmt. LD DP & DC's. Change pipe rams to 5-1/2". Test rams and BOP seals to 2000# - OK. RU csg tools. Run 152 jts 5-1/2" 17# N-80 LT&C 8rd csg. 6155.12' set @ 6149', FC @ 6106'. Circ & wash bridges from 5810' to 6150'. Circ 5-1/2" csg. Cmt w/Howco. Pump 20 bbls FW, 720 sx Prem + w/.5% LWL, 1.5 gal/sx Howco suds, .75% HC2, w/44,000 SCR Nitrogen. Tail w/320 sx Prem + w/.3% Hal 413, .2% Super CBL, 1#/sk Capseal, 1/4#/sk Floseal. Displ w/114 bbls wtr. Bridged off. Press to 3500#, flwd back 29 bbls short of displ. 1247' of cmt in csg. Set csg slips w/110,000#. Press csg to 3500#, ND BOP's, change rams to 2-3/8" WOC, unload and talley 2-3/8" tbg. Blew off csg, no flow. Cut off csg. CC: \$207,578.
- 4/2/91 6150' Drill out cmt. PU 4-3/4" bladed bit, 4 - 3-1/2" DC's & 2-3/8" tbg. RIH to 3970'. RU swivel and circ equipment. Circ 100 bbls. RIH to 4654'. Tag cmt, PU swivel. DO cmt, cmt soft. Found plug at 4434'. Drill to 4744', plug turning under mill. Prep to POOH, RU belly board. POOH w/3 bladed bit. RIH w/4-3/4" 3 bladed mill. Bit #1 looks new. Drill cmt from 4744' to 4749'. cutting 2'/hr. CC: \$214,226.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

ST U-01194-A

6. Indian, Addressee or Tribe Name

N/A

7. If Unit or CA Agreement Designation

Natural Buttes Unit

8. Well Name and No.

CIGE #114-34-9-21

9. API Well No.

43-047-31915

10. Field and Pool, or Exploratory Area

Natural Buttes

11. County or Parish, State

Uintah County, UT

SUBMIT IN TRIPLICATE

Type of Well

Oil Well  Gas Well  Other

Name of Operator

Coastal Oil & Gas Corporation

Address and Telephone No.

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

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

1,931' FSL & 535' FEL (NE/SE)  
Sec. ~~35~~<sup>34</sup>-T9S-R21E

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

TYPE OF SUBMISSION

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

TYPE OF ACTION

Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other NTL 2B  
 Change of Plans  
 New Construction  
 Non-Routine Fracturing  
 Water Shut-Off  
 Conversion to Injection  
 Dispose Water

(Note: Report revents or monitor completion on Well Completion or Recompletion Report and Log form.)

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

Coastal Oil & Gas Corporation requests permission to install a 400-BBL tank for produced water on the above-referenced well. The produced water will then be hauled off location to an approved disposal pit or disposal well.

RECEIVED

JUL 22 1993

DIVISION OF  
OIL GAS & MINING

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

Date: 7/28/93

By: P. James

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

Signed [Signature] Title Regulatory Analyst Date 7/20/93-mar

(This space for Federal or State office use)

Approved by Federal Approval of this Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any: Action IS Necessary

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.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

5. Lease Designation and Serial Number:  
U-01194-A-ST

**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:  
CIGE #114-34-9-21

2. Name of Operator:  
Coastal Oil & Gas Corporation

9. API Well Number:  
43-047-31915

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: 1931' FSL & 535' FEL  
County: Uintah  
QQ, Sec., T., R., M.: NE/SE Section 34, T9S-R21E  
State: Utah

County: Uintah  
State: Utah

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

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

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

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

**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 type="checkbox"/> Other _____               |   |

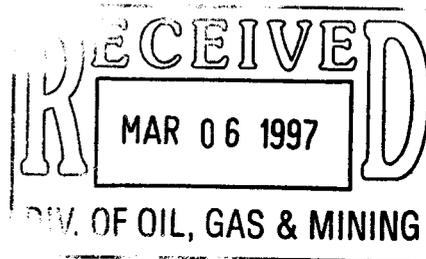
Date of work completion \_\_\_\_\_

Report results of bMultiple Completions and bRecompletions 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.



13. Name & Signature: Bonnie Carson Title: Senior Environmental Analyst Date: 03/04/97

(This space for State use only)

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

**FOR RECORD ONLY**

(See Instructions on Reverse Side)

**CIGE #114-34-9-21**  
**NATURAL BUTTES FIELD**  
**SECTION 34 T9S R21E**  
**WORKOVER PROCEDURE *HWM***

**WELL DATA**

LOCATION: 1931' FSL 535' FEL SEC. 34 T9S R21E  
ELEVATION: 5069' GR., 5083' KB.  
TD: 6150', PBSD 6103' (5/91), 5837' WLS (11/96)  
CSG: 8-5/8", 24.0#, J-55 @ 251' w/ 180 SX.  
5-1/2", 17.0#, N-80 @ 6149' w/ 1040 SX.  
SQZ PERFS @ 5427 w/ 750 SX.  
CMT ANNULUS w/ 205 SX.  
TBG: 2-3/8", 4.7#, J-55 @ 4876'  
FORMATION(S): WASATCH 4933' - 5896', 14 HOLES (1993)

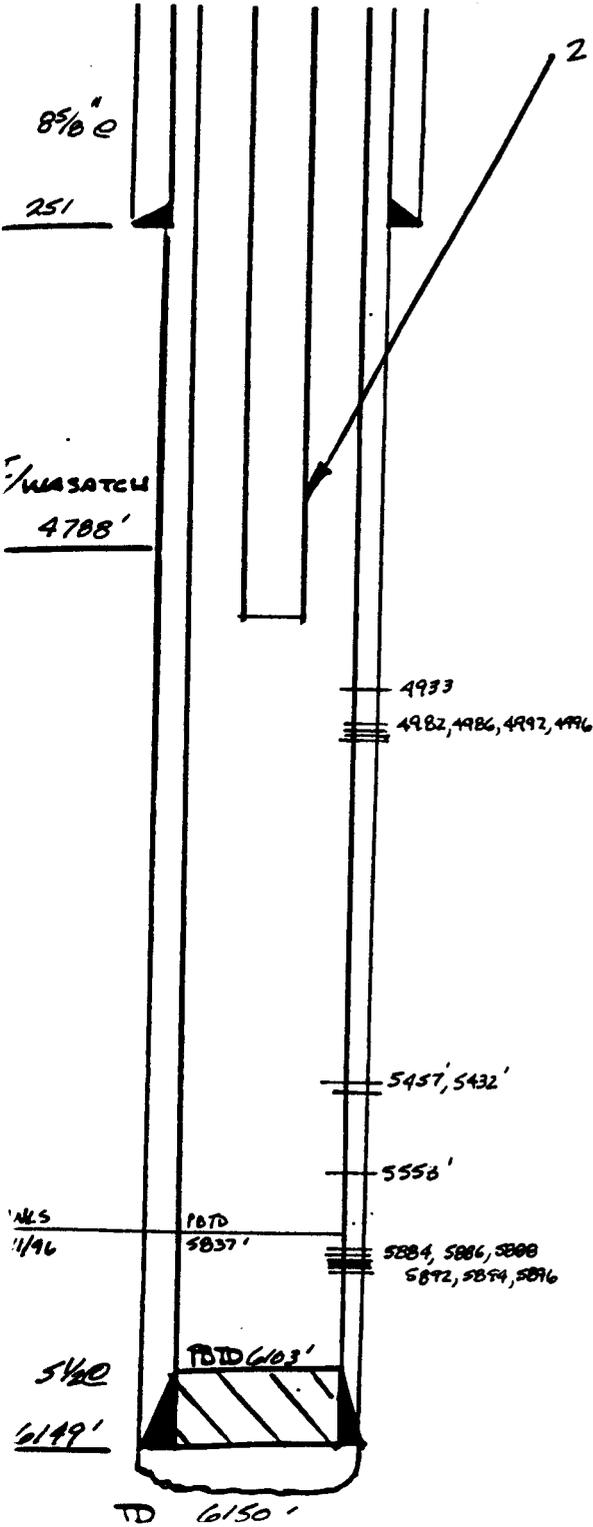
**PROCEDURE**

1. MI & RU pulling unit. Blow down & kill well w/ minimum amount of fresh water w/ clay stabilizing additives (i.e., Dowell's L-64). ND WH. NU BOP. POOH w/ 2-3/8" tbg.
2. PU & TIH w/ 4-3/4" bit & stroke bailer. CO from 5837' (WLS-11/96) to 6103' (PBSD). POOH w/ bit & bailer. TIH w/ 2-3/8" tbg w/ notch collar on bottom & land tbg @ 5896' (BP @ 5896'). ND BOP. NU WH. RD & MO pulling unit.
3. RU service company. Pump 714 gal. 7-1/2% HCL acid w/ inhibitors and clay stabilizers across perfs 4933' - 5896'. RD service company. RU swab unit. Acid to be swabbed/ flowed back within 8- 12 hrs.
4. Install PLE. RD swab unit. Return the well to sales.

**CIGE #114-34-9-21**  
**NATURAL BUTTES FIELD**  
**SECTION 34 T9S R21E**

**WELL DATA**

LOCATION: 1931' FSL 535' FEL SEC. 34 T9S R21E  
 ELEVATION: 5069' GR., 5083' KB.  
 TD: 6150', PBD 6103' (5/91), 5837' WLS (11/96)  
 CSG: 8-5/8", 24.0#, J-55 @ 251' w/ 180 SX.  
 5-1/2", 17.0#, N-80 @ 6149' w/ 1040 SX.  
 SQZ PERFS @ 5427 w/ 750 SX.  
 CMT ANNULUS w/ 205 SX.  
 TBG: 2-3/8", 4.7#, J-55 @ 4876'  
 FORMATION(S): WASATCH 4933' - 5896', 14 HOLES (1993)



2 3/8", 4.7" @ 4876' w/ NOTCH collar on bottom.

(11/96) WLS PBD 5837 (6/14 covered)

(4/91) PERF 5427 (4 JSP) SQZ 750 SX CMT.  
 Bull head 302 205 SX CMT.

(1/93) WASATCH 4933' - 5896' 14 holes 5 sands 15SP w/ 2 3/8" CSG

4933'	4982'	5457'	5553'	5884'
	4986'	5432'		5886'
	4992'			5888'
	4996'			5892'
				5894'
				5896'

SPOTTED 925 gal 15% HCL ACROSS PERFS  
 BD w/ 1512 gal 15% HCL + 40 BS's IFF 500 MCF 2 3/4" OK FTP 250"

FRAC w/ 230,100# sand + 59,978 gal gel w/ 118 tons CO2

IFF (1/93) 750 MCF 1 3/4" OK FTP 375" CP 400"

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial Number:

U-01194-A-ST

6. If Indian, Allottee or Tribe Name:

N/A

7. Unit Agreement Name:

Natural Buttes

8. Well Name and Number:

CIGE #114-34-9-21

9. API Well Number:

43-047-31915

10. Field and Pool, or Wildcat:

Natural Buttes

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: 1931' FSL & 535' FEL  
QQ, Sec., T., R., M.: NE/SE Section 34, T9S-R21E

County: Uintah

State: Utah

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

**NOTICE OF INTENT**

(Submit in Duplicate)

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

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

**SUBSEQUENT REPORT**

(Submit Original Form Only)

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

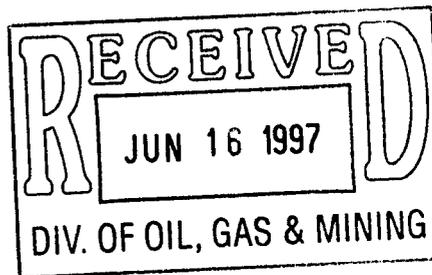
Date of work completion 5/28/97 02/04/97

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 operations performed on the subject well.



13.

Name & Signature:

*Bonnie Carson*

Title

Bonnie Carson

Senior Environmental Analyst

Date

06/13/97

(This space for State use only)

*Tax credit 3/98.*

**Clean Out, Acidize, Lower Tubing and Install PLE**

- 05/22/97 **Will tag PBTD, then land and acidize.** MIRU Colorado Well Service Rig #26. MI Air Foam Unit, ITP 160 psi, ICP 300 psi. Blow down well. ND WH. NU BOP. PU 34 jts tbg, tag fill @ 5890'. Break circ, CO 5890'-6141', circ 4 hrs - still trace of sand. Pull 42 jts to get above perf. SDFN  
DC: \$9,268 TC: \$9,268
- 05/23/97 **Prep to swab load 12 bbls.** ITP 350 psi, ICP 350 psi. Pmp 10 bbls dn tbg. RIH, tag PBTD 6141', no fill. PU LD 9 jts, land @ 5886', with NC, 1 jt, SN, 183 jts, tbg hanger. ND BOP. NU WH. RU BJ. Held Safety Meeting w/ all hands of Coastal, Colorado Well Service Rig #26 & BJ. Press test 1500# - OK. Pmp 25 bbls 2% KCl, 1000 gal 7½% HCl w/ inhibitors & clay stab & other add. Disp w/ 23 bbls 2% KCl. Left acid across perf 3 hrs. Rate 3.6, press from negative 49 psi to 20 psi pos. MIRU Swabbers, ITP 0 psi, ICP 150 psi, IFL 3800', FFL 4800'. Rec 70 BLW in 13 runs, FCP 250 psi - SDFN  
DC: \$11,609 TC: \$20,873
- 05/24/97 **SI to build press, then swab.** ITP 500 psi, ICP 350 psi, IFL 4800', FFL 5200'. Made 8 runs, rec 72 BW. Try to put well on production. FTP 100 psi, FCP 300 psi, left to swab on NBU 81V acid job. Well went dead, TP 0 psi, SICP 350 psi @ 4:30 AM. SI to build press. 12 BLWTR, rec 72 BLW, 60 BW overload.  
DC: \$1,146 TC: \$22,019
- 05/25/97 **SI build press, swab in morning.** Delsco swab, IFL 4800', ITP 0 psi, SICP 400 psi. Made 2 runs, rec 8 BLW. Trip 3 times. Put on production line, well went dead, SI to build press. FFL 4800', FTP 0 psi, FCP 300 psi. 70 bbls overload, rec 8 BLW, 68 bbls overload.  
DC: \$743 TC: \$22,762
- 05/26/97 **SI to build press.** ITP 200 psi, ICP 400 psi, IFL 4000'. Made 2 swab runs, trip plunger 3 times. No arrival. Made 1 swab run, no arrival. Made 1 swab run, no arrival. SI well to build press. FTP 0 psi, FCP 200 psi, FFL 5400'. 68 bbls overload, red 27 BLW, 95 bbls overload.  
DC: \$1,168 TC: \$23,930
- 05/27/97 Flowing 50 MCF, 26 BW, 130 TP, 260 CP, on 30/64" chk.
- 05/28/97 **On production.** ICP 450 psi, ITP 400 psi. Trip plunger 2 times, RD Delsco. Left well selling, FTP 200 psi, FCP 350 psi. Flowing 28 MCF, 30 BW, 125 TP, 260 CP, on 30/64" chk.  
DC: \$210 TC: \$24,140
- 05/29/97 Flowing 43 MCF, 20 BW, 125 TP, 140 CP, on 30/64" chk.
- 05/30/97 Flowing 40 MCF, 0 BW, 140 TP, 160 CP, on 30/64" chk.
- 05/31/97 Flowing 48 MCF, 8 BW, 150 TP, 170 CP, on 30/64" chk. F/18

06/01/97      Flowing 50 MCF, 8 BW, 150 TP, 190 CP, on 30/64" chk.

06/02/97      Flowing 50 MCF, 5 BW, 150 TP, 175 CP, on 30/64" chk.

06/03/97      Flowing 53 MCF, 0 BW, 140 TP, 180 CP, on 30/64" chk.

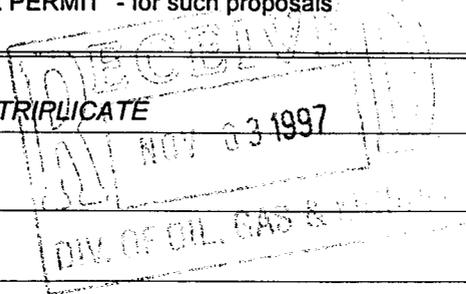
06/04/97      Flowing 54 MCF, 0 BW, 150 TP, 180 CP, on 30/64" chk. Prior Production: Flowing 27  
MCF, 0 BW, 190 TP, 300 CP, on 20/64" chk. **Final Report**

UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 BUREAU OF LAND MANAGEMENT

43-047-31915

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

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



SUBMIT IN TRIPLICATE

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. See attached spreadsheet
2. Name of Operator Coastal Oil & Gas Corporation	6. If Indian, Allottee or Tribe Name See attached spreadsheet
3. Address and Telephone No. P. O. Box 749, Denver, CO 80201-0749 (303) 573-4476	7. If Unit or CA, Agreement Designation Natural Buttes Unit
4. Location of Well (Footage, Sec., T., R., M., Or Survey Description) See attached spreadsheet	8. Well Name and No. See attached spreadsheet
	9. API Well No. See attached spreadsheet
	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
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Dispose Water

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

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

The Operator requests approval to empty produced water into tanks on the listed locations. The produced water will then be transported by truck to the underground injection well NBU #159, located at NE/SW Section 35, T9S-R21E, for disposal. Furthermore, the Operator requests approval for the presence of small unlined pits, approximate dimensions of 7' x 7' x 4' deep, to be located immediately adjacent to the stock tanks on the listed locations. The small pits may be necessary to drain off water from the stock tanks at the time of condensate sales. The water will be emptied from the small pit and trucked to the NBU #159 disposal well. The volume of water to be disposed of at each facility will not exceed an average of 5 barrels per day on a monthly basis, in conformance with the requirements of Onshore Order #7.

The listed locations include all wells listed in a Request to Dispose Water sundry dated 10/11/96, as well as all wells drilled to date in the Operator's 1997 drilling program in the Natural Buttes field.

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

Date: 12-1-97  
 By: [Signature] 10/28/97

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

Signed: Bonnie Carson Title: Senior Environmental Analyst  
 (This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
 Conditions of approval, if any:

must meet pit lining guidelines

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.

Well Name & No.	API No.	Lease Designation & Serial Number	If Indian, Allottee or Tribe Name	Footages	Qtr/Qtr	Section	Township	Range	Field	County
CIGE #10SD-1-10-22E	43-047-31758	U-011336	N/A	842' FNL & 2095' FWL	NENW	1	10	22	Natural Buttes	Uintah
CIGE #114-34-9-21	43-047-31915	ST U-01194-A	N/A	1931' FSL & 535' FEL	NESE	34	9	21	Natural Buttes	Uintah
CIGE #118-35-9-22	43-047-32025	U-010954-A	N/A	2116' FSL & 615' FEL	NESE	35	9	22	Natural Buttes	Uintah
CIGE #124-9-9-21	43-047-32045	U-01188	Ute Tribe Surface	1854' FSL & 1819' FEL	NWSE	9	9	21	Natural Buttes	Uintah
CIGE #129-18-9-21	43-047-32043	U-0581	Ute Tribe Surface	928' FNL & 1837' FWL	NENW	18	9	21	Natural Buttes	Uintah
CIGE #130-19-9-21	43-047-32030	U-0581	Ute Tribe Surface	772' FNL & 714' FEL	NENE	19	9	21	Natural Buttes	Uintah
CIGE #140-16-10-21	43-047-31977	ST ML-10755	N/A	380' FNL & 591' FEL	NENE	16	10	21	Natural Buttes	Uintah
CIGE #144-2-10-22	43-047-32022	ST ML-22651	N/A	1501' FNL & 1719' FEL	SWNE	2	10	22	Natural Buttes	Uintah
CIGE #149-8-10-21	43-047-32056	U-01791	N/A	833' FNL & 2011' FEL	NWNE	8	10	21	Natural Buttes	Uintah
CIGE #161-2-10-22	43-047-32168	ST ML-22651	N/A	297' FSL & 1033' FEL	SESE	2	10	22	Natural Buttes	Uintah
CIGE #164-34-9-22	43-047-32353	U-0149077	N/A	660' FNL & 1739' FWL	NENW	34	9	22	Natural Buttes	Uintah
CIGE #178-5-10-22	43-047-32330	U-01195	N/A	926' FWL & 685' FNL	NWNW	5	10	22	Natural Buttes	Uintah
CIGE #180-16-9-21	43-047-32478	ST ML-3141	N/A	333' FSL & 2557' FWL	SESW	16	9	21	Natural Buttes	Uintah
CIGE #183-20-9-21	43-047-32656	U-0575	Ute Tribe Surface	1725' FSL & 2386' FEL	SWSE	20	9	21	Natural Buttes	Uintah
CIGE #187-13-10-20	43-047-32607	U-4485	N/A	900' FNL & 2200' FWL	NENW	13	10	20	Natural Buttes	Uintah
CIGE #189-29-9-22	43-047-32612	USA U-462	N/A	1574' FNL & 720' FWL	SWNW	29	9	22	Natural Buttes	Uintah
CIGE #194-1-10-22	43-047-32932	USA U-011336	N/A	2017' FNL & 61' FWL	SWNW	1	10	22	Natural Buttes	Uintah
CIGE #197-7-9-21	43-07-32798	U-0149747	N/A	854' FNL & 2178' FEL	NWNE	7	9	21	Natural Buttes	Uintah
CIGE #198-9-9-21	43-047-32799	U-01188	Ute Tribe Surface	2502' FSL & 772' FEL	NESE	9	9	21	Natural Buttes	Uintah
CIGE #199-14-9-21	43-047-32801	U-01193	Ute Tribe Surface	959' FNL & 1760' FWL	NENW	14	9	21	Natural Buttes	Uintah
CIGE #200-16-9-21	43-047-32802	U-38409	Ute Tribe Surface	1950' FNL & 2500' FWL	SENE	16	9	21	Natural Buttes	Uintah
CIGE #201-18-9-21	43-047-32804	U-0575	Ute Tribe Surface	1814' FNL & 944' FEL	SENE	18	9	21	Natural Buttes	Uintah
CIGE #202-21-9-21	43-047-32805	U-0575	Ute Tribe Surface	785' FSL & 471' FEL	SESE	21	9	21	Natural Buttes	Uintah
CIGE #204-35-9-21	43-047-32794	ML-22582	N/A	2055' FNL & 1604' FEL	SWNE	35	9	21	Natural Buttes	Uintah
CIGE #205-1-10-21	43-047-32795	ML-23612	N/A	2110' FNL & 2607' FEL	SWNE	1	10	21	Natural Buttes	Uintah
CIGE #221-36-9-22	43-047-32868	ML-22650	N/A	550' FSL & 514' FEL	NESW	13	9	21	Natural Buttes	Uintah
CIGE #235-25-9-21	43-047-32858	U-01194-ST	N/A	1900' FSL & 1800' FEL	NWSE	25	9	21	Natural Buttes	Uintah
CIGE #236-34-9-21	43-047-32861	U-01194-A-ST	N/A	428' FSL & 882' FEL	SESE	34	9	21	Natural Buttes	Uintah
CIGE #23-7-10-22	43-047-30333	ST ML-23609	N/A	1573' FNL & 1024' FEL	SENE	7	10	22	Natural Buttes	Uintah
CIGE #25-34-9-22	43-047-30737	U-0149077	N/A	2037' FNL & 1608' FWL	SENE	34	9	22	Natural Buttes	Uintah
CIGE #3-32-9-22	43-047-30320	ST ML-22649	N/A	2270' FNL & 900' FEL	SENE	32	9	22	Natural Buttes	Uintah
CIGE #43-14-10-22	43-047-30491	U-01197-A-ST	N/A	1437' FWL & 1416' FNL	NW	14	10	22	Natural Buttes	Uintah
CIGE #59-21-10-21	43-047-30548	U-02278	N/A	809' FSL & 1081' FWL	SWSW	21	10	21	Natural Buttes	Uintah
CIGE #6-19-9-21 (GR)	43-047-30356	U-0581	N/A	1122' FSL & 1542' FEL	SWSE	19	9	21	Natural Buttes	Uintah
CIGE #63D-29-9-22P	43-047-30949	U-462	N/A	521' FNL & 977' FWL	NWNW	29	9	22	Natural Buttes	Uintah
CIGE #9-36-9-22	43-047-30419	ST ML-22650	N/A	2090' FSL & 1852' FEL	NWSE	36	9	22	Natural Buttes	Uintah
CIGE #97D-31-9-22	43-047-31729	U-01530-A-ST	N/A	548' FSL & 907' FEL	SESE	31	9	22	Natural Buttes	Uintah
Morgan State #10-36	43-047-32816	ML-22265	N/A	1794' FNL & 649' FEL	SENE	36	9	21	Natural Buttes	Uintah
Morgan State #11-36	43-047-32813	ML-22265	N/A	1943' FSL & 1843' FEL	NESW	36	9	21	Natural Buttes	Uintah
Morgan State #12-36	43-047-32814	ML-22265	N/A	1992' FSL & 722' FEL	NESE	36	9	21	Natural Buttes	Uintah
Morgan State #13-36	43-047-32817	ML-22265	N/A	540' FSL & 815' FEL	SESE	36	9	21	Natural Buttes	Uintah
Morgan State #2-36	43-047-32585	ST ML-22265	N/A	900' FNL & 804' FWL	NWNW	36	9	21	Natural Buttes	Uintah
Morgan State #4-36	43-047-32729	ST ML-22265	N/A	1912' FSL & 649' FWL	NWSW	36	9	21	Natural Buttes	Uintah
Morgan State #5-36	43-047-32735	ST ML-22265	N/A	2100' FSL & 1800' FEL	NWSE	36	9	21	Natural Buttes	Uintah
Morgan State #8-36	43-047-32812	ML-22265	N/A	650' FNL & 690' FEL	NENE	36	9	21	Natural Buttes	Uintah
Morgan State #9-36	43-047-32815	ML-22265	N/A	1894' FNL & 1978' FEL	SWNE	36	9	21	Natural Buttes	Uintah
NBU #105	43-047-32302	U-0575	N/A	1026' FSL & 1011' FWL	SWSW	17	9	21	Natural Buttes	Uintah
NBU #113	43-047-31931	U-0149077	N/A	580 FSL & 854' FEL	SESE	34	9	22	Natural Buttes	Uintah
NBU #118	43-047-31969	U-5077-B	Ute Tribe Surface	1700' FNL & 660' FEL	SENE	22	9	20	Natural Buttes	Uintah
NBU #12	43-047-30119	U-461	N/A	1563' FSL & 2328' FEL	NWSE	18	9	22	Natural Buttes	Uintah

NBU #121	43-047-32086	UTU-01193	Ute Tribe Surface	819' FNL & 2163' FEL	NWNE	13	9	21	Natural Buttes	Uintah
NBU #123	43-047-31974	U-01188	N/A	827' FNL & 916' FWL	NWNW	15	9	21	Natural Buttes	Uintah
NBU #131	43-047-31966	U-0149075	Ute Tribe Surface	1699' FSL & 800' FWL	NWSW	23	9	21	Natural Buttes	Uintah
NBU #134	43-047-32011	U-0576	N/A	138' FSL & 836' FWL	SWSW	28	9	21	Natural Buttes	Uintah
NBU #140	43-047-31947	U-01191-A	N/A	1031' FNL & 1879' FEL	NWNE	5	10	22	Natural Buttes	Uintah
NBU #148	43-047-31983	U-01191	N/A	279' FSL & 2127' FWL	SESW	4	10	22	Natural Buttes	Uintah
NBU #150	43-047-31992	U-01196-B	N/A	2042' FNL & 2002' FWL	SESW	9	10	22	Natural Buttes	Uintah
NBU #152	43-047-31990	U-01196-D	N/A	815' FSL & 754' FEL	SESE	9	10	22	Natural Buttes	Uintah
NBU #153	43-047-31975	ST U-01197-A	N/A	2500' FNL & 974' FWL	SWNW	11	10	22	Natural Buttes	Uintah
NBU #18	43-047-30221	U-025187	N/A	2401' FNL & 2337' FSL	SWNE	10	10	22	Natural Buttes	Uintah
NBU #180	43-047-32113	U-025187	N/A	843' FSL & 2075' FEL	SWSE	10	10	22	Natural Buttes	Uintah
NBU #182	43-047-32162	U-0141315	N/A	1809' FNL & 1519' FWL	SESW	11	9	21	Natural Buttes	Uintah
NBU #185	43-047-32171	U-01191-A	N/A	2132' FNL & 2126' FEL	SWNE	3	10	22	Natural Buttes	Uintah
NBU #187	43-047-32230	U-0149077	N/A	1057' FSL & 2321' FWL	SESW	34	9	22	Natural Buttes	Uintah
NBU #188	43-047-32234	U-01196-C	N/A	699' FWL & 1248' FSL	SWSW	10	10	22	Natural Buttes	Uintah
NBU #189	43-047-32236	U-0149075	Ute Tribe Surface	1551' FWL & 1064' FSL	SESW	23	9	21	Natural Buttes	Uintah
NBU #198	43-047-32357	U-010950-A	N/A	2041' FEL & 2107' FSL	NWSE	22	9	21	Natural Buttes	Uintah
NBU #201	43-047-32364	U-0149767	Ute Tribe Surface	2310' FNL & 500' FWL	SWNW	9	9	21	Natural Buttes	Uintah
NBU #206	43-047-32341	U-01196-C	N/A	2209' FNL & 303' FWL	SWNW	10	10	22	Natural Buttes	Uintah
NBU #207	43-047-32329	ST U-01197	N/A	912' FNL & 1685' FWL	NENW	10	10	22	Natural Buttes	Uintah
NBU #208	43-047-32343	U-01191	N/A	790' FSL & 569' FEL	SESE	4	10	22	Natural Buttes	Uintah
NBU #210	43-047-32340	U-01196-C	N/A	1956' FSL & 2060' FWL	NESW	10	10	22	Natural Buttes	Uintah
NBU #216	43-047-32487	U-010950-A	Ute Tribe Surface	1875' FSL & 1665' FWL	NESW	15	9	21	Natural Buttes	Uintah
NBU #223	43-047-32517	U-01194-ST	N/A	514' FNL & 2174' FWL	NENW	26	9	21	Natural Buttes	Uintah
NBU #228	43-047-32636	U-0575	Ute Tribe Surface	660' FSL & 1843' FEL	SWSE	17	9	21	Natural Buttes	Uintah
NBU #229	43-47-32594	U-01191-A	N/A	1019' FNL & 1712' FEL	NWNE	3	10	22	Natural Buttes	Uintah
NBU #230A	43-047-32908	U-01191-A	N/A	1849' FNL & 677' FEL	SENE	3	10	22	Natural Buttes	Uintah
NBU #231	43-047-32561	U-01191-A-ST	N/A	966' FNL & 1539' FEL	NWNE	10	10	22	Natural Buttes	Uintah
NBU #252	43-047-32800	U-0141315	Ute Tribal Surface	641' FNL & 1845' FWL	NENW	10	9	21	Natural Buttes	Uintah
NBU #254	43-047-32803	U-0575	Ute Tribal Surface	1840' FNL & 2014' FWL	NESW	17	9	21	Natural Buttes	Uintah
NBU #255	43-047-32806	U-0575	Ute Tribal Surface	642' FSL & 1235' FWL	SESW	21	9	21	Natural Buttes	Uintah
NBU #256	43-047-32807	U-0147566	Ute Tribal Surface	2213' FNL & 2312' FWL	SESW	22	9	21	Natural Buttes	Uintah
NBU #257	43-047-32790	ST U-01194	N/A	1756' FNL & 2150' FWL	SESW	25	9	21	Natural Buttes	Uintah
NBU #258	43-047-32791	ST U-01194	N/A	1880' FNL & 211' FEL	SENE	26	9	21	Natural Buttes	Uintah
NBU #259	43-047-32792	ST U-01194	N/A	2300' FNL & 1850' FEL	SWNE	26	9	21	Natural Buttes	Uintah
NBU #263	43-047-32793	ST U-01194-A	N/A	1641' FNL & 1832' FWL	SESW	34	9	21	Natural Buttes	Uintah
NBU #265	43-047-32796	ML-13826	N/A	1953' FSL & 632' FEL	NESE	2	10	21	Natural Buttes	Uintah
NBU #270	43-047-32862	ML-23608	N/A	1963' FNL & 801' FWL	SWNW	13	10	21	Natural Buttes	Uintah
NBU #280	43-047-32865	ML-32935-A	N/A	2596' FSL & 1459' FWL	NESW	31	9	22	Natural Buttes	Uintah
NBU #289	43-047-32910	U-01191	N/A	463' FSL & 2023' FWL	SESW	3	10	22	Natural Buttes	Uintah
NBU #291	43-047-32911	U-1196-D	N/A	457' FNL & 570' FEL	NENE	9	10	22	Natural Buttes	Uintah
NBU #38N2	43-047-30536	U-08512-ST	N/A	1752' FWL & 1768' FSL	CSW	13	10	22	Natural Buttes	Uintah
NBU #80V	43-047-31240	U-0149077	N/A	2042' FSL & 984' FWL	NWSW	34	9	22	Natural Buttes	Uintah
NBU #86J	43-047-31251	U-01191-A	N/A	492' FNL & 722' FEL	NENE	3	10	22	Natural Buttes	Uintah

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
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:

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

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"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABAHDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>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 [Signature] DATE 06-15-01

El Paso Production Oil & Gas Company  
NAME (PLEASE PRINT) John T. Elzner TITLE Vice President  
SIGNATURE [Signature] DATE 06-15-01

This space for State use only

**RECEIVED**  
JUN 19 2001  
DIVISION OF  
OIL, GAS AND MINING

(5/2000) (See Instructions on Reverse Side)

State of Delaware  
Office of the Secretary of State

---

PAGE 1

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

RECEIVED

MAR 11 2001

DIVISION OF  
OIL, GAS AND MINING



*Harriet Smith Windsor*  
Harriet Smith Windsor, Secretary of State

0610204 8100

AUTHENTICATION: 1061007

010162788

DATE: 04-03-01

CERTIFICATE OF AMENDMENT

OF

CERTIFICATE OF INCORPORATION

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

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

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

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

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

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

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

COASTAL OIL & GAS CORPORATION

David L. Siddall
Vice President

Attest:

Margaret E. Roark
Margaret E. Roark, Assistant Secretary

RECEIVED

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

JUN 19 2001

DIVISION OF
OIL, GAS AND MINING



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

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

# RECEIVED

JUL 12 2001

DIVISION OF  
OIL, GAS AND MINING

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

JUL 10 2001

### NOTICE

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

#### Name Change Recognized

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

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

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

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

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



Opolonia L. Abeyta  
Acting Chief, Branch of  
Minerals Adjudication

Enclosure

1. Exhibit of Leases (1 pp)

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

## Exhibit of Leases

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

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

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

Enter date after each listed item is completed

Change of Operator (Well Sold)

Designation of Agent

Operator Name Change (Only)

**X** Merger

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

<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
<del>CIGE 114-34-9-21</del>	43-047-31915	2900	34-09S-21E	FEDERAL	GW	S
CIGE 143-34-9-21	43-047-31995	2900	34-09S-21E	FEDERAL	GW	P
CIGE 115-35-9-21	43-047-31918	2900	35-09S-21E	FEDERAL	GW	P
NBU 156	43-047-32005	2900	35-09S-21E	FEDERAL	GW	P
NBU 33-17B	43-047-30396	2900	17-09S-22E	FEDERAL	GW	P
NBU 48	43-047-30538	2900	18-09S-22E	FEDERAL	GW	P
NBU 23	43-047-30868	2900	19-09S-22E	FEDERAL	GW	P
NBU 212-19	43-047-31267	2900	19-09S-22E	FEDERAL	GW	P
NBU 108	43-047-31958	2900	19-09S-22E	FEDERAL	GW	P
NBU 136	43-047-31968	2900	19-09S-22E	FEDERAL	GW	P
NBU 172	43-047-32194	2900	19-09S-22E	FEDERAL	GW	P
NBU 339-19E	43-047-32281	2900	19-09S-22E	FEDERAL	GW	P
NBU 200	43-047-32359	2900	19-09S-22E	FEDERAL	GW	P
NBU 277	43-047-33042	2900	19-09S-22E	FEDERAL	GW	P
NBU 388-19E	43-047-33057	2900	19-09S-22E	FEDERAL	GW	P
NBU 8-20B	43-047-30275	2900	20-09S-22E	FEDERAL	GW	S
NBU 32Y	43-047-30514	2900	20-09S-22E	FEDERAL	GW	P
NBU 211-20	43-047-31156	2900	20-09S-22E	FEDERAL	GW	P
NBU 308-20E	43-047-32202	2900	20-09S-22E	FEDERAL	GW	P
NBU 340-20E	43-047-32327	2900	20-09S-22E	FEDERAL	GW	P

**OPERATOR CHANGES DOCUMENTATION**

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

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

---

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 08/01/2001
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 08/01/2001
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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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 **RECEIVED**

BUREAU OF LAND MANAGEMENT

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

FEB 22 2002

DIVISION OF  
OIL, GAS AND MINING

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

FEB 21 2002

NOTICE

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

Name Change Recognized

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

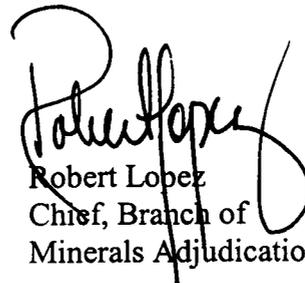
For our purposes, the name change is recognized effective December 31, 2001.

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

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

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

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



Robert Lopez  
Chief, Branch of  
Minerals Adjudication

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

# memorandum

Branch of Real Estate Services  
Uintah & Ouray Agency

Date: 5 December, 2002

Reply to  
Attn of: Supervisory Petroleum Engineer

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

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

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

We have no objection.

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

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

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



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



# United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

Washington, D.C. 20240

FEB 10 2003

IN REPLY REFER TO:  
Real Estate Services

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

Dear Mr. Wilson:

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

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

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

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

Sincerely,

Director, Office of Trust Responsibilities

**ACTING**

Enclosure



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

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

IN REPLY REFER TO  
UT-922

February 27, 2003

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

Re: Natural Buttes Unit  
Uintah County, Utah

Gentlemen:

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

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

Your nationwide (Colorado) oil and gas bond No. 1203 will be used to cover all operations within the Natural Buttes Unit.

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

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks  
Chief, Branch of Fluid Minerals

Enclosure

bcc: Field Manager - Vernal (w/enclosure)  
SITLA  
Division of Oil, Gas & Mining  
Minerals Adjudication Group  
File - Natural Buttes Unit (w/enclosure)  
Agr. Sec. Chron  
Fluid Chron

UT922:TAThompson:tt:02/27/2003

RECEIVED

FEB 28 2003

DIV. OF OIL, GAS & MINING

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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**      ZIP **77064-0995**      PHONE NUMBER: **(832) 676-5933**

4. LOCATION OF WELL

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

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

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: \_\_\_\_\_

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

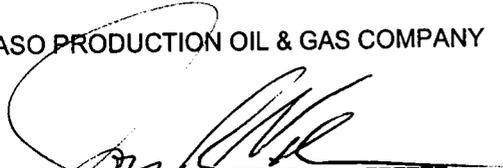
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input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

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

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

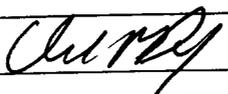
BOND # \_\_\_\_\_  
State Surety Bond No. RLB0005236  
Fee Bond No. RLB0005238

EL PASO PRODUCTION OIL & GAS COMPANY

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

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

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

SIGNATURE       DATE **12/17/02**

(This space for State use only)

Form 3160-5  
(August 1999)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

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

**SUCCESSOR OF  
OPERATOR**

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or 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 when 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

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

Name (Printed/Typed)

**CHERYL CAMERON**

Title

**OPERATIONS**

Signature

Date

**March 4, 2003**

BUREAU OF OIL, GAS & MINING

**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)

**OPERATOR CHANGE WORKSHEET**

1. GLH
2. CDW ✓
3. FILE

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

Designation of Agent/Operator

Operator Name Change

Merger

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

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

**CA No. Unit: NATURAL BUTTES**

**WELL(S)**

NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
NBU 377	31-09S-21E	43-047-34363	99999	FEDERAL	GW	APD
NBU 378	31-09S-21E	43-047-34364	2900	FEDERAL	GW	P
NBU 409	32-09S-21E	43-047-34421	99999	STATE	GW	APD
NBU 411	32-09S-21E	43-047-34422	99999	STATE	GW	APD
NBU 424-32E	32-09S-21E	43-047-33699	2900	STATE	GW	P
NBU 27	33-09S-21E	43-047-30304	2900	STATE	GW	PA
NBU 27-A	33-09S-21E	43-047-30398	2900	STATE	GW	PA
NBU 262	33-09S-21E	43-047-32929	2900	FEDERAL	GW	S
NBU 396	33-09S-21E	43-047-34480	2900	FEDERAL	GW	DRL
NBU 428	33-09S-21E	43-047-34709	99999	STATE	GW	APD
NBU 438	33-09S-21E	43-047-34787	99999	STATE	GW	APD
NBU CIGE 56-34-9-21	34-09S-21E	43-047-30530	2900	STATE	GW	P
NBU CIGE 87D-34-9-21	34-09S-21E	43-047-30869	2900	STATE	GW	P
NBU 98V	34-09S-21E	43-047-31327	2900	FEDERAL	GW	TA
<b>CIGE 114-34-9-21</b>	34-09S-21E	43-047-31915	2900	FEDERAL	GW	S
CIGE 143-34-9-21	34-09S-21E	43-047-31995	2900	FEDERAL	GW	P
NBU 221	34-09S-21E	43-047-32499	2900	FEDERAL	GW	PA
NBU 221X	34-09S-21E	43-047-32545	2900	STATE	GW	P
CIGE 236-34-9-21	34-09S-21E	43-047-32861	2900	STATE	GW	P
CIGE 203-34-9-21	34-09S-21E	43-047-32881	2900	STATE	GW	P

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

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

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

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

8. **Federal and Indian Units:**

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

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

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

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

**DATA ENTRY:**

1. Changes entered in the Oil and Gas Database on: 03/18/2003
2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 03/18/2003
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

**STATE WELL(S) BOND VERIFICATION:**

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

**FEDERAL WELL(S) BOND VERIFICATION:**

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

**INDIAN WELL(S) BOND VERIFICATION:**

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

**FEE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB 0005238
2. The **FORMER** operator has requested a release of liability from their bond on: N/A  
The Division sent response by letter on: N/A

**LEASE INTEREST OWNER NOTIFICATION:**

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

**COMMENTS:**

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

**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) 781-4304731915

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 Multiple Wells - see attached  
 9S 21E 34

5. Lease Serial No.  
 Multiple Wells - see attached

6. If Indian, Allottee or Tribe Name

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

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

9. API Well No.  
 Multiple Wells - see attached

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

11. County or Parish, State  
 Uintah County, UT

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

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

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

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

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

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

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

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

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

SEP 10 2003  
DIV. OF OIL GAS & MINING

THIS SPACE FOR FEDERAL OR STATE USE

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

Office Utah Division of Oil, Gas and Mining    Federal Approval of This Action Is Necessary

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.    Date: 9/16/03

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

**Westport Oil & Gas, L.P.**

**Project Economics Worksheet**

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

Project Name: **Condensate Shrinkage Economics**

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

	BEFORE \$/Year	AFTER \$/Year	DIFFERENCE \$/Year
Gross Oil Revenue	\$1,088	\$1,099	\$11
Gross Gas Revenue	\$0	\$0	\$0
NGL Revenue	\$0	\$0	\$0
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:**

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

Oil Price	\$ 23.00	\$/BO
Gas Price	\$ 3.10	\$/MCF
Electric Cost	\$ -	\$/ HP / day
OPX/BF	\$ 2.00	\$/BF
OPX/MCF	\$ 0.42	\$/MCF

**Production & OPX Detail:**

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

**Project Life:**

Life =  Years  
(Life no longer than 20 years)

**Internal Rate of Return:**

After Tax IROR =

**AT Cum Cashflow:**

Operating Cashflow =  (Discounted @ 10%)

**Payout Calculation:**

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

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

Payout =  Years or  Days

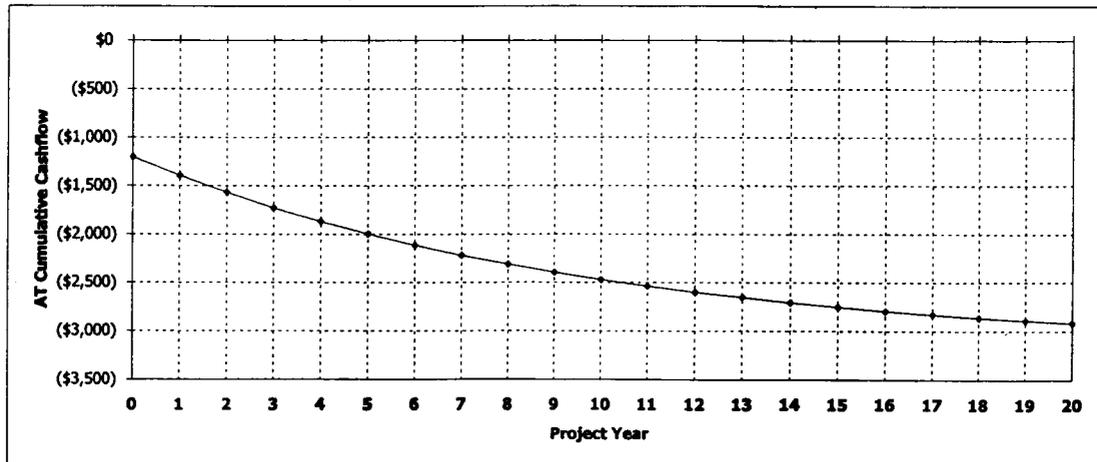
**Gross Reserves:**

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

**Notes/Assumptions:**

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

**Project: Condensate Shrinkage Economics**



# Westport Oil and Gas, Inc.

NBU/Ouray Field

RFL 2003-022

## COMPARISON OF FLASH BACK PRESSURES

Calculated by Characterized Equation-of-State

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

**Calculated at Laboratory Flash Conditions**

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

**Calculated Flash with Backpressure using Tuned EOS**

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

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

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

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

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

WELL	LEGALS	STFLEASENO	CANUMBER	APINO
CIGE 092D	13-10-20 SENW	UTU4485	891008900A	430473116200S1 ✓
CIGE 093D	3-10-21 SWNW	UTU0149078	891008900A	430473116300S1
CIGE 094D	7-10-21 SWNE	UTU01791	891008900A	430473116400S1
CIGE 095D	14-10-21 NESW	UTU01393C	891008900A	430473116600S1
CIGE 096D	32-9-22 NWNE	ML22649	891008900A	430473173000S1
CIGE 097D	31-9-22 SESE	U01530A	891008900A	430473172900S1 ✓
CIGE 098D	25-9-21 NESE	U0868	891008900A	430473172700S1 ✓
CIGE 099D	25-9-21 NWNE	U01189	891008900A	430473122300S1 ✓
CIGE 100D	2-10-21 SENE	ML22652	891008900A	430473173100S1 ✓
CIGE 101D	9-10-21 SWSE	UTU01791	891008900A	430473173600S1
CIGE 102D	8-10-21 SWNW	UTU01791	891008900A	430473174100S1
CIGE 103D	13-10-20 NENE	UTU02270A	891008900A	430473174200S1
CIGE 105D	1-10-22 NENW	U011336	891008900A	430473175800S1
CIGE 106D	32-9-22 SENW	ML22649	891008900A	430473174600S1 ✓
CIGE 107D	1-10-21 NWNW	ML23612	891008900A	430473174700S1 ✓
CIGE 108D	4-10-21 NESE	U01416	891008900A	430473175600S1
CIGE 109D	33-9-22 SWNW	UTU01191A	891008900A	430473175400S1
CIGE 110D	7-9-21 SWSE	UTU0575B	891008900A	430473195900S1
CIGE 111D	13-9-21 SESW	U01193	891008900A	430473230500S1
CIGE 112D	19-9-21 SESE	U0581	891008900A	430473194500S1
CIGE 113	21-9-21 SWNE	UTU0576	891008900A	430473194400S1
CIGE 114	34-9-21 NESE	U01194A	891008900A	430473191500S1 ✓
CIGE 115	35-9-21 NWNE	ML22582	891008900A	430473191800S1 ✓
CIGE 116	29-9-22 NWSW	ML22935	891008900A	430473191900S1
CIGE 117	34-9-22 SWNW	UTU0149077	891008900A	430473192800S1
CIGE 118	35-9-22 NESE	UTU010954A	891008900A	430473202500S1
CIGE 119	15-10-21 NENE	UTU01416A	891008900A	430473192700S1
CIGE 120	15-9-20 NENE	UTU0144868	891008900A	430473225100S1
CIGE 121	15-9-20 SWNE	UTU0144868	891008900A	430473225200S1
CIGE 122	7-9-21 NENE	UTU0149767	891008900A	430473209800S1
CIGE 123	7-9-21 SWNE	UTU0575B	891008900A	430473204700S1
CIGE 124	9-9-21 NWSE	UTU01188	891008900A	430473204500S1
CIGE 125	13-9-21 NWNW	U01193	891008900A	430473208400S1
CIGE 127	16-9-21 NESW	ML3141	891008900A	430473203600S1
CIGE 129	18-9-21 NENW	UTU0581	891008900A	430473204300S1
CIGE 130	19-9-21 NENE	U0581	891008900A	430473203000S1
CIGE 131	19-9-21 SWNE	U0581	891008900A	430473202900S1
CIGE 133	35-9-21 SWSE	ML22582	891008900A	430473197800S1 ✓
CIGE 134D	1-10-20 SWSW	UTU02270A	891008900A	430473198900S1
CIGE 135	3-10-21 SWSW	UTU0149078	891008900A	430473200100S1
CIGE 136	4-10-21 SWNE	ML22940	891008900A	430473197900S1
CIGE 137	6-10-21 SENE	UTU01791	891008900A	430473198800S1
CIGE 138A	6-10-21 SENW	UTU01791	891008900A	430473204900S1
CIGE 139	10-10-21 SWNE	UTU0149079	891008900A	430473198600S1
CIGE 140	16-10-21 NENE	ML10755	891008900A	430473197700S1
CIGE 141	7-10-22 NWNE	ML23609	891008900A	430473197000S1
CIGE 142	25-9-21 SENE	U01189	891008900A	430473199400S1 ✓
CIGE 143	34-9-21 SWNE	U01194A	891008900A	430473199500S1 ✓
CIGE 144	2-10-22 SWNE	ML22651	891008900A	430473202200S1
CIGE 145	29-9-22 SENW	ML22935	891008900A	430473199300S1
CIGE 146	16-10-21 NWNE	ML10755	891008900A	430473202100S1
CIGE 147	36-9-22 SESW	ML22650	891008900A	430473202000S1 ✓
CIGE 148	31-9-22 NWNE	ML22935A	891008900A	430473202400S1 ✓
CIGE 149	8-10-21 NWNE	UTU01791	891008900A	430473205600S1
CIGE 150	9-10-21 SWNE	UTU01416	891008900A	430473205800S1
CIGE 151	10-10-21 SWSE	UTU0149079	891008900A	430473205900S1
CIGE 152	33-9-22 SESW	UTU01191A	891008900A	430473206800S1
CIGE 153	35-9-22 SESW	UTU010954A	891008900A	430473206700S1
CIGE 154	13-10-20 NWNW	UTU4485	891008900A	430473211900S1
CIGE 155	9-9-21 SENE	UTU01188B	891008900A	430473215700S1
CIGE 156	16-9-21 NESE	ML3282	891008900A	430473219500S1
CIGE 157	16-9-21 SWNW	UTU38409	891008900A	430473216000S1
CIGE 158	21-9-21 NESE	UTU0576	891008900A	430473215800S1
CIGE 159	6-10-21 NWNE	UTU01791	891008900A	430473212000S1
CIGE 160	14-10-21 SWSE	UTU01393C	891008900A	430473212400S1
CIGE 161	2-10-22 SESE	ML22651	891008900A	430473216800S1
CIGE 162	36-9-22 SESE	ML22650	891008900A	430473216400S1 ✓
CIGE 163	15-9-21 SENE	UTU01193	891008900A	430473219200S1
CIGE 164	34-9-22 NENW	UTU0149077	891008900A	430473235300S1
CIGE 165	1-10-20 SWNW	UTU02270A	891008900A	430473211400S1
CIGE 166	3-10-21 NENW	UTU0149078	891008900A	430473217200S1
CIGE 167	7-10-21 NENE	UTU01791	891008900A	430473214200S1
CIGE 168	16-10-21 NWSE	ML10755	891008900A	430473212300S1
CIGE 170	14-9-21 SWNW	UTU01193	891008900A	430473240300S1
CIGE 171	15-9-21 SWSE	UTU010950A	891008900A	430473234800S1

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.  
**SEE ATTACHED**

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
**SEE ATTACHED**

9. API Well No.  
**SEE ATTACHED**

10. Field and Pool, or Exploratory Area  
**VARIOUS**

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

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

1. Type of Well  
 Oil Well  Gas Well  Other

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

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

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

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

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"/> Subsequent Report	<input type="checkbox"/> Deepen
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Fracture Treat
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Change Plans
	<input checked="" type="checkbox"/> Plug and Abandon
	<input type="checkbox"/> Convert to Injection
	<input type="checkbox"/> Plug Back
	<input type="checkbox"/> Production (Start/Resume)
	<input type="checkbox"/> Reclamation
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Well Integrity
	<input checked="" type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Other _____
	<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 recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

THE OPERATOR REQUESTS AUTHORIZATION TO PLACE THE SUBJECT WELL LOCATIONS ON TEMPORARILY ABANDONMENT STATUS, UNTIL SUCH TIME THE WELL LOCATIONS CAN BE PLUGGED AND ABANDON.

PLEASE REFER TO THE ATTACHED LIST OF PROPOSED PLUG AND ABANDONMENTS FOR THE NEXT 5 YEARS.

**COPY SENT TO OPERATOR**  
Date: 8-24-04  
Initials: CTD

**APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING**  
DATE: 8/20/2004  
BY: D. Stokely  
\* See Conditions of Approval (Attached)  
Federal Approval of This Action Is Necessary

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

Name (Printed/Typed)  
**Sheila Upchego**

Signature  
*Sheila Upchego*

Title  
Regulatory Analyst

Date  
May 25, 2004

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.

**43-047 Proposed 2007 P&A's - 15 Wells**

30494	CIGE 035	1-10-20 NESW	UTU-02270A
30542	CIGE 066	23-10-21 SENW	UTU-02278A
30952	CIGE 073D	5-10-22 SWSW	UTU-01191A
30953	CIGE 074D	6-10-22 NWSE	UTU-01195
31915	CIGE 114	34-9-21 NESE	U-01194A
34436	CIGE 282	7-10-22 NENE	ML-23609
30962	KURIP 01-027	1-9-20 NENW	14-20-H62-3004
30848	NBU 043	26-10-20 NWSE	UTU-4476
30534	NBU 047N2	30-10-22 SESW	UTU-0132568A
31250	NBU 087J	3-10-22 NESW	UTU-01191A
31923	NBU 114	5-10-21 SWSW	UTU-01393D
31982	NBU 149	5-10-22 NESE	UTU-01191
31992	NBU 150	9-10-22 SENW	UTU-01196B
32234	NBU 188	10-10-22 SWSW	U-01196C
33692	WONSITS FEDERAL 01-05	5-8-22 LOT 5	UTU-72633

**Proposed 2008 P&A's - 11 wells**

32401	NBU 213	15-10-22 NWNW	UTU-025187
32480	NBU 217	28-9-21 NESW	U-05678
32944	NBU 242	5-10-22 SWSE	UTU-01191
32917	NBU 253	10-9-21 SWNW	U-0141315
32929	NBU 262	33-9-21 NENE	UTU-0576
33011	NBU 278	30-9-22 SWSW	U-463
32976	NBU 285	3-10-22 NWNW	UTU-01191
32886	NBU 296 GR	24-10-20 NWNE	UTU-4485
33776	NBU 364	29-9-21 SESE	UTU-0581
30838	NBU 58N2	27-10-22 NENW	U-473
31327	NBU 98-V	34-9-21 SWSW	U-01194-A

69 total wells

API #	WELL NAME	S-T-R	LEASE NUMBERS
43-047-			

**Proposed 2004 P&A's - 13 Wells**

31900	EAST GUSHER 15-1A	15-6-20 NENE	UTU-58007
30423	JACK RABBIT 1-11	11-10-23 SWNE	UTU-38425
32540	SOUTHMAN CANYON 09-03M	9-10-23 SWSW	UTU-37355
32543	SOUTHMAN CANYON 31-01-L	31-9-23 NWSW	UTU-33433
31100	NBU 070N3	3-10-22 SWNW	UTU-01191
30221	NBU 018	10-10-22 SWNE	UTU-025187
20280	WALKER HOLLOW U MCLISH 1	8-7-23 SWSW.	UTU-02651
30011	WALKER HOLLOW U MCLISH 2	8-7-23 SWSE	UTU-02651
30030	WALKER HOLLOW U MCLISH 4	8-7-23 NESW	UTU-02651
31034	WALKER HOLLOW UNIT 6	8-7-23 SESE	UTU-02651
30027	WALKER HOLLOW U MCLISH 3	8-7-23 NESE	UTU-02651
31092	WALKER HOLLOW UNIT J-8	8-7-23 NWSE	UTU-02651
31975	NBU 153	11-10-22 SWNW	U-01197A

**Proposed 2005 P&A's - 15 Wells**

31833	BASER DRAW 5-1	5-7-22 NWNW	UTU-075939
31834	BASER DRAW 6-1	6-7-22 NWNW	UTU-075939
31859	BASER DRAW FEDERAL 6-2	6-7-22 SWNE	UTU-075939
31304	COORS FEDERAL 14-1D	14-7-21 NWNW	UTU-65223
32009	COORS FEDERAL 2-10HB	10-7-21 NWNW	UTU-6522
30753	DM ICE FRIDAY 34-22	34-8-20 NESE	14-20-H62-2997
32333	FEDERAL 11-1-M	11-6-20 SWSW	UTU-64376
33831	HORSESHOE BEND FED 03-1	3-7-21 NWSE	UTU-0142175
33832	HORSESHOE BEND FED 04-1	4-7-21 NWSE	UTU-66401
33872	HORSESHOE BEND FED 26-3	26-6-21 NWSW	UTU-38401
33667	KENNEDY WASH FED 14-1	14-8-23 NWSW	UTU-71424
30623	SAND RIDGE FED 23-17	17-8-23 NESW	UTU-0143276
31508	STIRRUP FEDERAL 29-2	29-6-21 NWSE	UTU-46699
31634	STIRRUP FEDERAL 29-3	29-6-21 SESE	UTU-78854
30815	WEST WALKER FED. 1-33	33-6-22 NWSW	UTU-38411

**Proposed 2006 P&A's - 15 Wells**

30524	BITTER CREEK 01-03	3-11-22 SWNE	UTU-29797
30379	CANYON VIEW FEDERAL 1-18	18-10-23 SENW	UTU-38421
30369	CROOKED CYN FED 1-17	17-10-23 NENW	UTU-37355
31778	E BENCH UNIT #1	33-11-22 NWSE	UT-121P
30365	FLAT MESA FED. 1-7	7-10-23 NWSE	UTU-38420
30544	LOOKOUT POINT STATE 1-16	16-10-23 NESE	ML-221886A
30766	LOVE UNIT B2-3	3-11-21 SWSW	UTU-8347
30560	NSO FEDERAL 1-12	12-10-23 NENW	UTU-38423
30558	PETE'S FLAT 1-1	1-10-23 NESE	UTU-40736
30382	SAGE HEN FEDERAL 1-6	6-10-23 NESE	UTU-38419
30383	SAGEBRUSH FEDERAL 1-8	8-10-23 SWNE	UTU-37355
30856	SOUTHMAN CANYON 01-05 FED	5-10-23 SENW	UTU-33433
30632	SOUTHMAN CANYON 4-4	4-10-23 NWSE	UTU-33433
30481	WHITE RIVER 1-14	14-10-23 NENW	UTU-38427
31775	WILLOW CREEK UNIT #1	27-11-20 SENE	UT-128P



State of Utah

Department of  
Natural Resources

Division of  
Oil, Gas & Mining

ROBERT L. MORGAN  
*Executive Director*

LOWELL P. BRAXTON  
*Division Director*

MICHAEL O. LEAVITT  
*Governor*

OLENE S. WALKER  
*Lieutenant Governor*

## ***CONDITIONS OF APPROVAL TO EXTEND SI/TA OF WELL***

Well Name and Number:	Several State and Federal wells
API Number:	See Sundry List
Operator:	Westport Oil and Gas Company L.P.
Reference Document:	Original Sundry dated May 25, 2004, received by DOGM on June 3, 2004

The Division of Oil, Gas and Mining (DOGM) accepts Westport's plan of action to Plug and Abandon sixty-nine wells by year-end 2008. Based upon the plan of action DOGM approves these-sixty-nine (69) wells for extended shut-in until September 1, 2005.

### Approval Conditions (Federal Approval necessary on all Federal/Indian wells):

1. If SI/TA is desired beyond the approval date listed above, the operator should submit a request for extended SI/TA at that time. Adherence to the accepted plan of action, wellbore conditions etc. will be taken into consideration.
2. A well monitoring program should be in place to ensure that health, safety and the environment are all protected (wellbore integrity).
3. Any changes in wellbore conditions or integrity; or sustained pressure on casing/casing annuli shall be reported to the Division immediately. A new monitoring program or remedial action may be necessary at that time.

Dustin K. Doucet  
Petroleum Engineer

August 20, 2004

Date

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**

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5. Lease Serial No.  
**U-011194-A-ST**

6. If Indian, Allottee or Tribe Name

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

**NATURAL BUTTES UNIT**

8. Well Name and No.

**CIGE 114**

9. API Well No.

**43-047-31915**

10. Field and Pool, or Exploratory Area

**NATURAL BUTTES**

11. County or Parish, State

**UINTAH COUNTY, UTAH**

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

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

**WESTPORT OIL & GAS COMPANY L.P.**

3a. Address

**1368 SOUTH 1200 EAST VERNAL, UT 84078**

3b. Phone No. (include area code)

**(435) 781-7024**

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

**NESE SECTION 34-T9S-R21E 1931'FSL & 535'FEL**

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

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

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

THE OPERATOR REQUESTS AUTHORIZATION TO PERFORATE AND SAMPLE WATER FROM THE BIRD'S NEST INTERVAL OF THE GREEN RIVER FORMATION. THE JOB TO BE PERFORMED ON THE SUBJECT WELL LOCATION WILL DETERMINED IF THIS WELL IS A SUITABLE CANDIDATE FOR CONVERSION TO SALT WATER DISPOSAL. IF THE WELL LOCATION IS DETERMINED TO BE A SUITABLE SWD CANDIDATE, A UIC PERMIT APPLICATION WILL BE FILED WITH THE EPA. IF IS IS UNSUITABLE THE WELL WILL BE PLUGGED AND ABANDONED.

PLEASE REFER TO THE ATTACHED PERFORATE AND SAMPLE WATER PROCEDURE.

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

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

Name (Printed/Typed)

**Sheila Upchego**

Signature



Title

**Regulatory Analyst**

Date

**August 24, 2005**

**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)

**RECEIVED**

**AUG 30 2005**

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

**CIGE 114**  
**1931' FSL & 535' FEL**  
**Section 34 - T9S - R21E**  
**Uintah County, UT**

**KBE:** 5083'  
**GLE:** 5069'  
**TD:** 6150'  
**PBTD:** 6103'

**API NUMBER:** 43-047-31915  
**LEASE NUMBER:** U-01194-A-ST  
**WI:** 100.000000%  
**NRI:** 81.24800%  
**ORRI:** 7.592840%  
**UNIT/CA NUMBER:**

**CASING:** 12.25" hole  
 8.625", 24.0#, J-55 @ 251' w/ 180 sx cement

7.875" hole  
 5.5", 17.0#, N-80 @ 6149' w/ 720 sx. Foamed Premium lead, 320 sx. Premium tail on primary job. Bridged out and left 1247' of cement in the casing. TOC from primary job at 5402' by CBL.

Remedial cement consisting of 420 sx Silicalite lead and 330 sx Class G tail pumped from squeeze perforations at 5427', TOC at 1620' by temperature log from remedial cementing.

**Pumped a top job consisting of 205 sx Class G. Cement fill from surface to TOC @ 1620' by calculation.**

**TUBING:** 2.375" 4.7# J-55 landed at 5886'

Tubular	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# N-80 csg.	4.767	6280	7740	0.9764	0.1305	0.02324
8.625" 24# J-55 csg		1370	2950	2.6749	0.3575	0.0636
<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" hole				1.2978	0.1733	0.0309
7.875" hole				2.5302	0.3382	0.0602

**GEOLOGIC INFORMATION:**

Formation	Depth to top, ft.
Uinta	Surface
Green River	1162
Wasatch	4150'

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

USDW Elevation  
USDW Depth

~1000' MSL  
~4083' KBE

### PERFORATIONS

Formation	Date	Top	Bottom	SPF	Status
Wasatch	12/21/1992	4933		1	Open
Wasatch	12/21/1992	4982		1	Open
Wasatch	12/21/1992	4986		1	Open
Wasatch	12/21/1992	4992		1	Open
Wasatch	12/21/1992	4996		1	Open
Wasatch	12/21/1992	5427		1	Open
Wasatch	12/21/1992	5432		1	Open
Wasatch	12/21/1992	5553		1	Open
Wasatch	12/21/1992	5884		1	Open
Wasatch	12/21/1992	5886		1	Open
Wasatch	12/21/1992	5888		1	Open
Wasatch	12/21/1992	5892		1	Open
Wasatch	12/21/1992	5894		1	Open
Wasatch	12/21/1992	5896		1	Open

### WELL HISTORY

#### Remedial Cementing – April 1991

- TD'd on March 31, 1991.
- As noted, bridged off while displacing primary cement job and left 1247' of cement in the casing.
- Drilled out cement to PBTD of 6103'.
- Ran CBL showing TOC at 5402'.
- Shot four squeeze holes at 5427', acidized and gained circulation, set CICR at 5320'.
- Cemented with 420 sx. Silicalite lead and 330 sx. Class G tail. TOC at 1620' by temperature log.

#### Completion – January 1993

- Perforated gross Wasatch interval 4933' through 5896' with 3.125" casing gun, 14 holes. Broke down and balled out with 925 gal 15% HCl, then fractured with 59,978 gals gel containing 230,100# 20/40 mesh sand.
- On production 1/93, IP 750 MCF, 18 CK, FTP 375#, CP 400#.

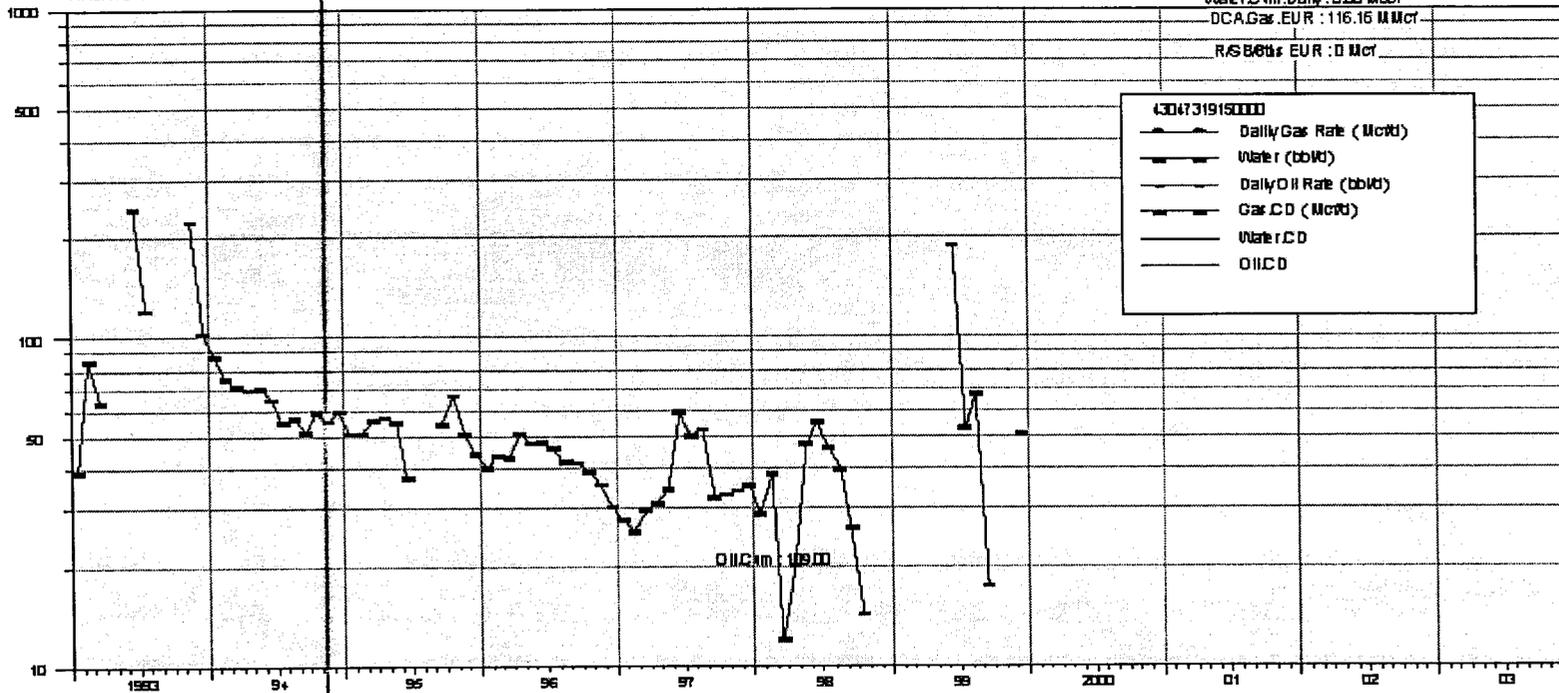
#### Remarks:

- Everything with x-o completed, simply not a lot of sand in the well.
- Top perforations and vertical spread limit refrac potential.
- **Bird's Nest ~1660', where water was reported during drilling. Drilled with aerated water, no lost circulation reported.**
- **Need to sample Bird's Nest in this well.**

NBU  
WESTPORT OIL & GAS  
WASATCH-MSVD

CIG 114  
43D47319150000  
9S-21E34

Gas Cum : 116.16 MMcf  
Gas Cum Daily : 0.00 MMcf  
Water Cum : 0.96 Mbbbl  
Water Cum Daily : 0.00 Mbbbl  
DCA Gas EUR : 116.16 MMcf  
R/SB Gas EUR : 0 Mcf



43D47319150000

- Daily Gas Rate (Mcf/d)
- Water (bbbl/d)
- Daily Oil Rate (bbl/d)
- Gas Cum (MMcf)
- Water Cum (Mbbbl)
- Oil Cum

**CIGE 114 - CEMENT EVALUATION & WATER SAMPLING PROCEDURE**

1. MIRU. KILL WELL AS NEEDED. ND WH AND NU BOPE. TOH WITH TUBING.
  2. MAKE BIT AND SCRAPER RUN TO ~4900'.
  3. SET CIBP AT ~4900' AND CAP WITH 10' OF CEMENT.
  4. PRESSURE TEST CASING TO 1000 PSI.
  5. RUN GR-CCL-CBL FROM NEW PBTD TO TOC. THE MAIN PURPOSE OF THE CBL IS TO EVALUATE CEMENT FROM THE TOP JOB PUMPED ON THE WELL AT COMPLETION. SEE REMARKS IN CASING DETAILS ABOVE.
  6. ASSUMING SUITABLE CBL CHARACTERISTICS, PERFORATE THE "BIRD'S NEST" INTERVAL 1652-1660' WITH 4 SPF. DEPTHS ARE FROM THE HALLIBURTON DUAL LATEROLOG DATED 3/30/1991.
  7. TIH WITH PACKER AND SET SAME AT ~1630'. BREAK DOWN PERFORATIONS USING MINIMUM FLUID POSSIBLE. SWAB WELL TO OBTAIN REPRESENTATIVE FLUID SAMPLE. MONITOR TDS OF SAMPLES UNTIL VALUES STABILIZE. ONCE STABLE SAMPLES ARE BEING OBTAINED, SEND IN FINAL SAMPLE TO LABORATORY FOR WATER ANALYSIS. TOH AND LD PACKER.
  8. TIH WITH KILL STRING. ND BOPE AND NU WH.
  9. RDMO.
-

**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**

<b>FROM:</b> (Old Operator): N2115-Westport Oil & Gas Co., LP 1368 South 1200 East Vernal, UT 84078 Phone: 1-(435) 781-7024	<b>TO:</b> ( New Operator): N2995-Kerr-McGee Oil & Gas Onshore, LP 1368 South 1200 East Vernal, UT 84078 Phone: 1-(435) 781-7024
---	--

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

- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: 3/27/2006

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

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

**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**  
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**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 5116106

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

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

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

THIS SPACE FOR FEDERAL OR STATE USE

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

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

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

1. Type of Well  
 Oil Well  Gas Well  Other

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

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

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

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

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

6. If Indian, Allottee or Tribe Name

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

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

9. API Well No.

10. Field and Pool, or Exploratory Area

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

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

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

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

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

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

**RECEIVED**  
 MAY 10 2006

DIV OF OIL, GAS & MINING

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

Name (Printed/Typed) <b>BRAD LANEY</b>	Title <b>ENGINEERING SPECIALIST</b>
Signature <i>Brad Laney</i>	Date <b>May 9, 2006</b>

**THIS SPACE FOR FEDERAL OR STATE USE**

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

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



## 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. OF OIL, GAS & MINES

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.  
**U-011194-A-ST**

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
**CIGE 114**

9. API Well No.  
**43-047-31915**

10. Field and Pool, or Exploratory Area  
**NATURAL BUTTES**

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

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

1. Type of Well  
 Oil Well  Gas Well  Other

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

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**NESE SECTION 34, T9S, R21E 1931'FSL, 535'FEL**

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

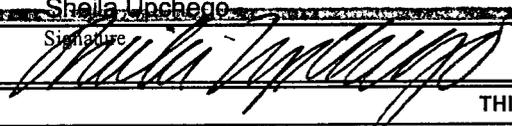
TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/>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

THE OPERATOR PERFORMED A WORKOVER TO PERFORATE AND SAMPLE WATER FOR AN SWD CONVERESION.

PLEASE REFER TO THE WORKOVER CHRONOLOGICAL WELL HISTORY.

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

Name (Printed/Typed) <b>Sheila Unchege</b>	Title <b>Regulatory Analyst</b>
Signature 	Date <b>July 18, 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.

**RECEIVED**  
**JUL 25 2006**

## KERR McGEE OIL &amp; GAS ONSHORE LP

CHRONOLOGICAL HISTORY

CIGE #114-34-9-21  
 Section 34-T9S-R21E  
 Natural Buttes Unit  
 Uintah County, Utah

Page 1

WORKOVER/RECOMPLETIONS

- 06/15/06      PROG: 7:00 a.m. HSM  
 PULL TST DEAD MAN ANCHORS. (OK). MIRU RIG EQUIP. R/U RIG. UNLAND TBG @ 5800'. BEG TO POOH W/ TBG. TBG BECAME VERY WAXY. CALL FOR H.O.T. WAIT 3HRS. MIRU H.O.T. PMP 100 BBLs 2% KCL @ 200 DEG DWN CSG. X-O PMP 5 BBLs 2% KCL DWN TBG. TBG PSI UP TO 1500#. BLOW OUT TBG & FLUSH W/ 40 BBLs. POOH L/D 5 JTS TBG. SWI.
- 06/16/06      PROG: 7:00 A.M. HSM  
 MIRU H.O.T. PMP 40 BBLs 2% KCL DWN CSG @ 200 DEG. POOH W/ PROD TBG. L/D BHA. NOTE: WHILE POOH, FOUND SCALE ON O.D. OF TBG F/ 3041' TO 3950'? L/D 26 JTS. P/U 4 3/4" MILL, 4 3/4" CSG SCRAPER & RIH ON TBG TO 5000'. R/U H.O.T. PMP 40 BBLs HOT DWN TBG. R/U PMP & LINES PMP 60 BBLs DWN CSG. DID NOT BRK CIRC. POOH W/ TBG. L/D MILL & SCRAPER. SWI. SDFWE.
- 06/19/06      PROG: MIRU CUTTERS WIRELINE SERVICE. HSM. 500 PSI ON WELL, BLOW DN. PU 5.5" CIBP. RIH, SET CIBP @ 4900'. POOH, LD MANDRELL. PU DMP BAILER, MIX UP 2 SX CMNT. RIH, DMP BAIL CMNT ON CIBP TOP, TOC @ ~4877'. POOH, LD BAILER & LUB. PU NOTCH CLR, RIH W/CLR & TBG TO 4778'. RU RIG PMP TO WELL, FILL CSG W/67 BBL 2%, START TO CIRC WELL W/600 PSI CIRC PRES. CIRC CLN W/243 BBL 2%. ATTEMPT TO PRES TEST CSG TO 1000 PSI, WELL TOOK FLUID @ 5 BPM / 580 PSI. RD PMP. POOH W/TBG. RDMO CWLS. CALL FOR WEATHERFORD PKR. PU WEATHERFORD 5.5" HD PKR, RIH W/PKR & TBG. SET PKR @ 2501', TEST ABOVE PKR: GOOD TEST. RLSE PKR, CONT TO RIH, SET PKR @ 3857', TEST ABOVE PKR FAILED. TEST BELOW PKR FAILED. RLSE PKR, POOH TO 2501', SET PKR, TEST ABOVE PKR: GOOD. TEST BELOW PKR: FAILED. RIH, SET PKR @ 3657'. TEST ABOVE PKR: FAILED. RLSE PKR, POOH, SET PKR @ 3082'. TEST ABOVE PKR: FAILED, TEST BELOW PKR: FAILED. RLSE PKR, POOH. SET PKR @ 2824'. TEST ABOVE & BELOW PKR FAILED. RLSE PKR, POOH TO 2694', SET PKR. TEST ABOVE: GOOD, TEST BELOW: FAILED. RLSE PKR. RIH TO 2759', TEST ABOVE: FAILED. RLS PKR, POOH. SET PKR @ 2727', TEST ABOVE PKR: FAILED. RLS PKR, POOH TO 2712', SET PKR, TEST ABOVE PKR: GOOD. TOP OF HOLE(S) 2712-2727'. RLS PKR, RIH, SET PKR @ 2759', POSSIBLE PKR FAILURE, WILL TEST TMRW. POOH, STND
- 06/20/06      PROG: RIH W/PKR & TBG TO 4885', TEST PLUG & PKR TO 1000 PSI (GOOD). POOH TO 3752', BELOW PKR, NO TEST. POOH TO 2695', TEST FROM PKR TO SURF HELD 1000 PSI. POOH, LD HD PKR. HSM. PU RET BP. RIH W/RBP & TBG. SET RBP @ 2696'. RU PMP TO WELL. CIRC WELL CLN W/2% KCL. POOH W/TBG. MIRU CUTTERS WIRELINE SERVICE. RIH W/CCL - CBL & GAMMA TOOLS. BOP FLANGE FAILED. RD CWLS. CALL OUT WEATHERFORD FOR MAINT ON BOP. MAKE REPAIRS, RIH, RUN CBL SURVEY. RDMO

- 06/21/06      PROG: HSM. MIRU CUTTERS WIRELINE SERVICE. PU 4", 4 SPF EXP PERF GUN (38.5 Gm CHG, 0.38" ENTRY HOLE, 42" PENETRATION. RIH W/GUN, PERFORATE 1652-1660'. POOH, RDMO CWLS. PU WEATHERFORD 32-A TENSION SET PKR, RIH W/PKR & TBG. SET PKR @ 1579'. RU PMP TO TBG. ATTEMPT TO BRK PERFS, RATE: 3.5 BPM @ 0 PSI. RU SWAB LUB, RIH W/ CUPS. FL @ SURFACE. PREP TO SWAB WELL. WELL STARTED FLOWING W/GAS CUT FLUID. RAN CL- @ 32 BBL: 3020 Mg/L, 48 BBL: 3550 Mg/L, 47.5 BBL: 3550 Mg/L, 53 BBL: 2980 Mg/L, 72 BBL: 3050 Mg/L, 82.5 BBL: 3550 Mg/L. TURN WELL OVER TO FLOW BACK MAN (CHANCE
- 06/22/06      PROG: FLOWING WELL TO TANK. RIG ON STANDBY
- 06/23/06      PROG: RIG ON STBY
- 06/26/06      PROG: 7:00 AM. HSM. WELL FLOWING 12 BBLS AN HOUR. PMP 20 BBLS OF 2% KCL WATER TO KILL TBG. POOH W 5 1/2" 32A TENSION PAKER. L/D PAKER. RIH RETRIVE BRIDGE PLUG. PUMP 65 BBLS TO KEEP WELL DEAD. POOH LD RBP. PU SN & NC RIH W/ 153 JTS OF 2 3/8" J-55 4.7# TBG 4,874.01' HANGE OFF TBG @ 4,890.51' SWI. RDMO. ROAD RIG TO NBU 302.

KB	14.00'
HANGER	1.00'
153 JTS 2 3/8" TBG	4,874.01'
SEATING NIPPLE	1.10'
NC	.40'
TOTAL	4,895.51'



Kerr-McGee Oil & Gas Onshore LP  
1999 Broadway, Suite 3700  
Denver, CO 80205

March 20, 2007

U.S. Certified Mail:  
70032260000178093293

Division of Oil, Gas and Mining  
ATTN: Gil Hunt  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: <sup>43,047,319/5</sup> Water Disposal Well proposal CIGE 114 SWD  
1931' FSL, 535' FEL (NE/4SE/4) Sec 34-9S-21E  
Uintah County, Utah  
Natural Buttes Unit

Dear Mr. Hunt,

Kerr-McGee Oil & Gas Onshore LP proposes to convert the CIGE 114 into a saltwater disposal well down the Bird's Nest of the Green River formation. The well is owned by Kerr-McGee 100%. We must notify all owners within one-quarter mile of the well site prior to filing the UIC. Please feel free to contact me at (720) 264 6698 should you have any questions. Thank you for your assistance.

Sincerely,

Beau Colligan  
Landman

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

RECEIVED  
MAR 26 2007  
DIV. OF OIL, GAS & MINING



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8
1595 WYNKOOP STREET
DENVER, CO 80202-1129
http://www.epa.gov/region8

Ref: 8P-W-GW

OCT 03 2008

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Grizz Oleen
Kerr McGee Oil and Gas Onshore, LP
1368 South 1200 East
Vernal, UT 84078

43 047 31915
95 21E 3A

Re: FINAL Permit
EPA UIC Permit UT21145-07823
Well: CIGE 114 SWD
Uintah County, UT

Dear Mr. Oleen:

Enclosed is your copy of the FINAL Underground Injection Control (UIC) Permit for the proposed CIGE 114 SWD injection well. A Statement of Basis that discusses the conditions and requirements of this EPA UIC Permit, is also included.

The Public Comment period for this Permit ended on SEP 12 2008. No comments on the Draft Permit were received during the Public Notice period; therefore the Effective Date for this EPA UIC Permit is the date of issuance. All conditions set forth herein refer to Title 40 Parts 124, 144, 146, and 147 of the Code of Federal Regulations (CFR) and are regulations that are in effect as of the Effective Date of this Permit.

Please note that under the terms and conditions of this Final Permit you are authorized only to construct the proposed injection well. Prior to commencing injection, you first must fulfill all "Prior to Commencing Injection" requirements of the Final Permit, Part II Section C.1, and obtain written Authorization to Inject from the EPA. It is your responsibility to be familiar with and to comply with all provisions of your Final Permit. The EPA forms referenced in the permit are available at http://www.epa.gov/safewater/uic/reportingforms.html. Guidance documents for Cement Bond Logging, Radioactive Tracer testing, Step Rate testing, Mechanical Integrity demonstration, Procedure in the Event of a Mechanical Integrity Loss, and other UIC guidances, are available at http://www.epa.gov/region8/water/uic/deep\_injection.html. Upon request, hard copies of the EPA forms and guidances can be provided.

This EPA UIC Permit is issued for the operating life of the well unless terminated (Part III,



Printed on Recycled Paper RECEIVED

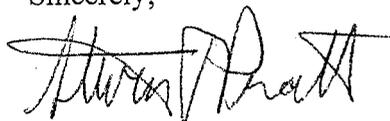
OCT 16 2008

DIV. OF OIL, GAS & MINING

Section B). The EPA may review this Permit at least every five (5) years to determine whether any action is warranted pursuant to 40 CFR § 144.36(a).

If you have any questions on the enclosed Final Permit or Statement of Basis, please call Patricia Pfeiffer of my staff at (303) 312-6271, or toll-free at (800) 227-8917, ext. 312-6271.

Sincerely,



for Stephen S. Tuber  
Assistant Regional Administrator  
Office of Partnerships and Regulatory Assistance

enclosure: Final UIC Permit  
Statement of Basis  
Form 7520-7 Application to Transfer Permit  
Form 7520-11 Monitoring Report  
Form 7520-14 Plugging Plan  
Form 7520-12 Well Rework Record  
Groundwater Section Guidance 34  
Groundwater Section Guidance 35  
Groundwater Section Guidance 37  
Groundwater Section Guidance 39

cc: Gil Hunt, Utah Division of Oil Gas and Mining  
Matt Baker, Fluid Minerals Engineering Office, Bureau of Land Management  
Robin Hansen, Fluid Minerals Engineering Office, Bureau of Land Management  
Stan Perkes, Solid Minerals Office, Bureau of Land Management  
Larry Love, Director, Energy and Minerals Department, Ute Indian Tribe  
Michelle Sabori, Land Use Department, Ute Indian Tribe  
Elaine Willie, GAP Coordinator, Ute Indian Tribe  
Daniel Picard, Bureau of Indian Affairs, U&O Agency  
Curtis Cesspooch, Chairman, Uintah & Ouray Business Committee  
Irene Cuch, Vice-Chairwoman, Uintah & Ouray Business Committee  
Ronald Groves, Councilman, Uintah & Ouray Business Committee  
Frances Poowegup, Councilwoman, Uintah & Ouray Business Committee  
Phillip Chimburas, Councilman, Uintah & Ouray Business Committee  
Steven Cesspooch, Councilman, Uintah & Ouray Business Committee



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

FORM 9

6. LEASE DESIGNATION AND SERIAL NUMBER:  
**U-01194-A**

**SUNDRY NOTICES AND REPORTS ON WELLS**

8. 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:  
**NATURAL BUTTES**

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

8. WELL NAME and NUMBER:  
**CIGE 114**

2. NAME OF OPERATOR:  
**KERR MCGEE OIL & GAS ONSHORE LP**

9. API NUMBER:  
**4304731915**

3. ADDRESS OF OPERATOR:  
**1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078**

PHONE NUMBER:  
**(435) 781-7024**

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

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: **1931' FSL, 535' FEL**

COUNTY: **UINTAH**

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: **NESE 34 9S 21E**

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 type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input checked="" 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 TO DO THE ATTACHED PROCEDURE TO CONVERT THE SUBJECT WELL TO AN INJECTION WELL PER THE EPA PERMIT NUMBER UT21145-07823.**

**PLEASE SEE ATTACHED.**

**COPY SENT TO OPERATOR**

Date: 11.13.2008

Initials: KS

NAME (PLEASE PRINT) **SHEILA UPCHEGO**

TITLE **REGULATORY ANALYST**

SIGNATURE *Sheila Upchego*

DATE **11/7/2008**

(This space for State use only)

Accepted by the  
Utah Division of  
Oil, Gas and Mining

Federal Approval of This  
Action Is Necessary

**RECEIVED**

**NOV 10 2008**

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

(5/2000)

(See Instructions on Reverse Side)

Date: 11/10/08  
By: *Dr. [Signature]*

## APPENDIX A

### WELL CONSTRUCTION REQUIREMENTS

#### FORMATION DATA:

- \* Base of USDWs: Uinta Formation at 1485' and 2669' (Pub. #92)
- \* Upper Confining Zone: Green River Formation interval between 1485'-1654'
- \* Lower Confining Zone: Green River Formation interval between 1959'-2036'
- \* Permitted Injection Zone: Birds Nest member of the Green River Formation between 1654'-1959'

#### CURRENT WELL CONSTRUCTION:

- \* 8-5/8" surface casing in 12-1/4" hole to 251' with cement to surface (180 sx)
- \* 5-1/2" casing set inside 7-7/8" hole from surface to 6149' with cement to 4408' (1040 sx)
- \* Well TD at 6149' with perforations from 1652' - 1660' and 4933' - 5896'

CORRECTIVE ACTION PROCEDURE: ALL PERFORATIONS ARE FROM THE CUTTERS GR-CBL-CCL DATED 20 JUNE 2006.

#### 1. MIRU. ND WELLHEAD AND NU BOPE.

---

2. WITH TUBING AT PBTD, SET CEMENT PLUG #1 FROM 4877' TO 4677' USING ~23 SX CLASS G CEMENT (1.15 CUFT/SX YIELD). PULL OUT OF CEMENT, CIRCULATE CLEAN AND DISPLACE CASING TO ~2769' USING 10 PPG BRINE. TOH.

3. SET CIBP AT 2769' WITH WIRELINE. RIH WITH TUBING AND SET CEMENT PLUG #2 FROM 2639' TO 2769' USING ~15 SX CLASS G CEMENT (1.15 CUFT/SX YIELD). PULL OUT OF CEMENT, CIRCULATE CLEAN AND DISPLACE CASING TO ~2365' USING 10 PPG BRINE. TOH.

4. PLUG #3 ACROSS TOP OF MAHOGANY BENCH MEMBER OF THE GREEN RIVER AT 2265' MD: PERFORATE AT 2365' WITH 4 SPF. SET CICR AT 2140'. STING INTO CICR AND ESTABLISH CIRCULATION DOWN TUBING AND UP 7.875" BOREHOLE X 5.5" CASING ANNULUS.

5. CEMENT SQUEEZE PERFORATIONS AT 2365' WITH ~131 SX CLASS G CEMENT (1.15 CUFT/SX YIELD) IN AN ATTEMPT TO EXACTLY FILL THE CALCULATED VOLUME OF THE CASING BELOW CICR AND THE 7.875" BOREHOLE X 5.5" CASING ANNULAR VOID FROM 1660'-2365'. STING OUT AND CIRCULATE CLEAN. TOH.

6. PERFORATE 1450' WITH 4 SPF. TIH, SET PACKER AT ~1400' AND CEMENT

SQUEEZE PERFORATIONS AT 1450' WITH ~63 SX CLASS G CEMENT (1.15 CUFT/SX YIELD), OR ~100% EXCESS OF CALCULATED VOLUME TO FILL ANNULAR VOID FROM 1450-1660'. WOC. TOH.

7. TIH, DRILL OUT CEMENT TO 2100' AND TEST SQUEEZE TO 500 PSI. TOH.

8. RUN GR-CBL-CCL FROM ~2100' TO TOP OF IMPROVED BOND HOLDING 500 PSI ON THE CASING. USE THE 20 JUNE 2006 CBL TO DETERMINE THE TOP OF THE IMPROVED BOND. ANY ADDITIONAL DEMONSTRATION OF EXTERNAL MECHANICAL INTEGRITY WILL BE CONTINGENT UPON RESULTS FROM THE CBL. IF >80% BOND INDEX IS NOT PRESENT ACROSS CONFINING ZONES, RADIOACTIVE TRACER SURVEY AND TEMPERATURE LOGGING WILL BE REQUIRED.

9. LAND TUBING AT ~1400'. ND BOPE, NU WELLHEAD. TA WELL PENDING ADDITIONAL EVALUATION.

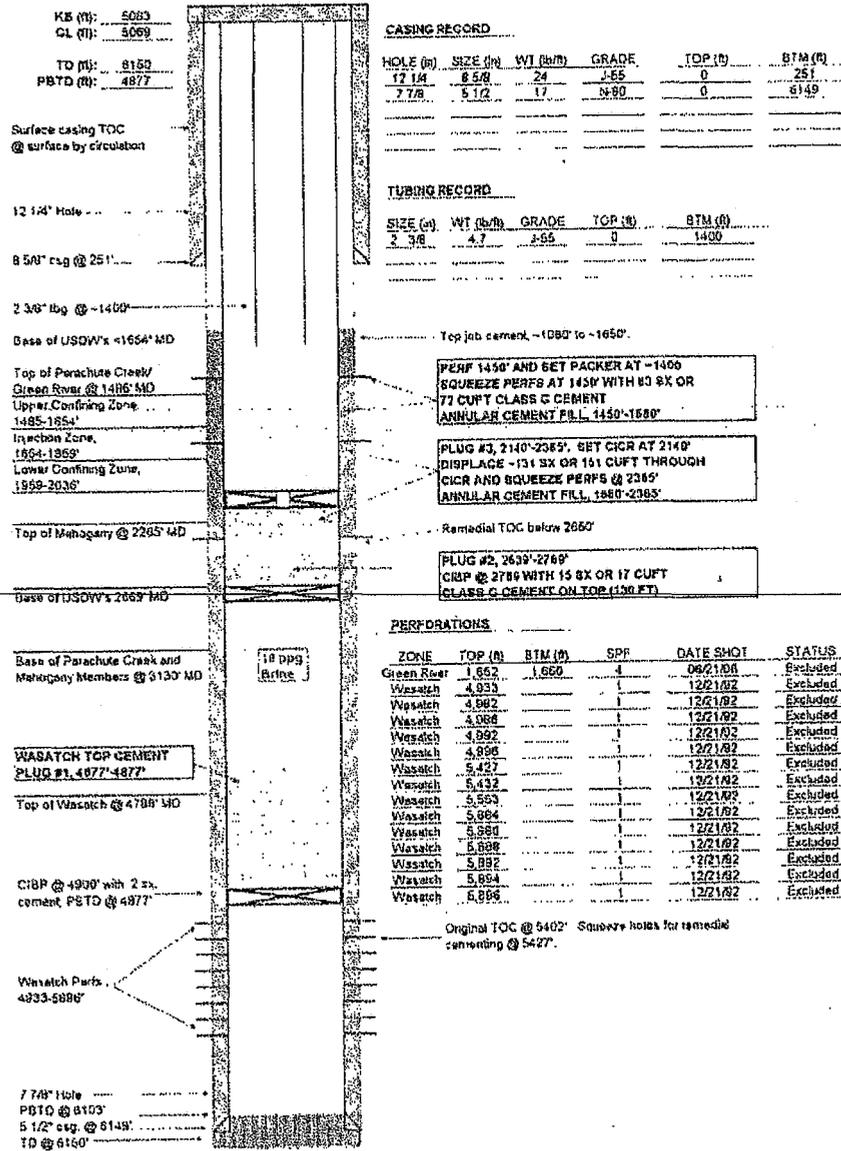
10. RDMO.

#### WELLHEAD EQUIPMENT:

- \* Sampling tap located to enable sampling fluid in the injection tubing
- \* Sampling tap located to enable sampling fluid in the tubing-casing annulus
- \* Pressure gauge isolated by 1/2" FIP shut-off valve or quick-connect and located to enable reading the pressure on the injection tubing
- \* ~~Pressure gauge isolated by 1/2" FIP shut-off valve or quick-connect and located to enable reading the pressure on the tubing-casing annulus~~
- \* Pressure actuated shut-off device located on the injection line, and set to prevent injection operations from exceeding the maximum allowable injection pressure
- \* Non-resettable cumulative volume

WELL: CIGE 114      CNTY: UTAH      FT.: 1031' PBL 615' FEL  
 FIELD: NATURAL BUTTE      STATE: UTAH      G-C: NEEB  
 API # 43-047-31815      SEC.: 34  
 LEASE #: U-01162-A-8T      TWS: 5B  
 EPA PERMIT #:      ROE: 21E

PROPOSED WELLBORE DIAGRAM



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: NATURAL BUTTES
PHONE NUMBER: (435) 781-7024		8. WELL NAME and NUMBER: CIGE 114
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1931' FSL, 535' FEL		9. API NUMBER: 4304731915
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 34 9S 21E		10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
COUNTY: UINTAH		STATE: UTAH

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

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"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
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KERR MCGEE OIL AND GAS ONSHORE LP REQUESTS TO DO THE ATTACHED PROCEDURE TO CONVERT THE SUBJECT WELL TO AN INJECTION WELL PER THE EPA PERMIT NUMBER UT21145-07823.

PLEASE SEE ATTACHED.

COPY SENT TO OPERATOR  
Date: 11.26.2008  
Initials: KS

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST  
SIGNATURE *Sheila Upchego* DATE 11/7/2008

(This space for State use only) **APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING**  
DATE: 11/25/08  
BY: *[Signature]* (See Instructions on Reverse Side)  
\* Aug #2 shall be extended down to 2950' to isolate the Base of the Parachute Creek member  
\* Call Dave Huckford @ 435.722.7589 prior to playback.  
**RECEIVED**  
NOV 12 2008  
DIV. OF OIL, GAS & MINING  
(5/2000)

## APPENDIX A

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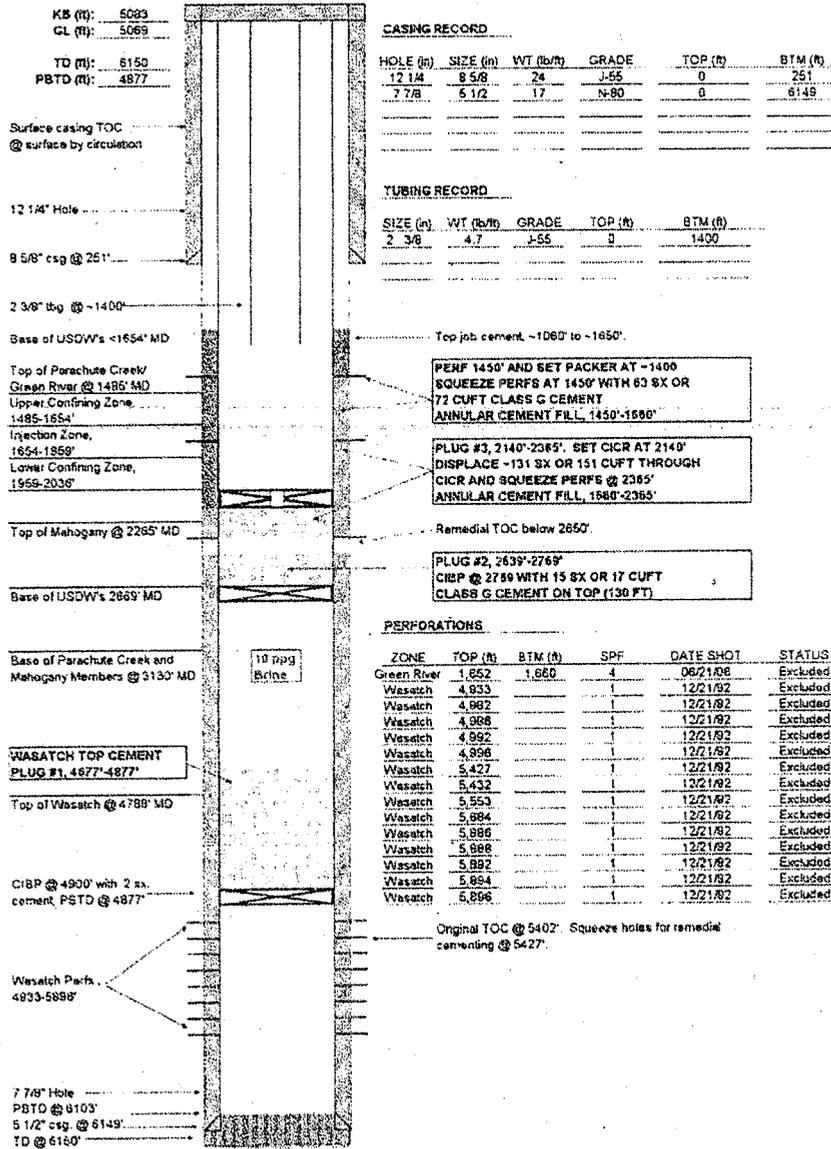
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- \* Pressure actuated shut-off device located on the injection line, and set to prevent injection operations from exceeding the maximum allowable injection pressure
- \* Non-resettable cumulative volume

WELL: CIGE 114 CNTY: UTAH FT.: 1931' FBL 535' FEL  
 FIELD: NATURAL BUTTES STATE: UTAH Q-Q: NESE  
 API # 43-047-31915 SEC.: 34  
 LEASE #: U-01184-A-BT TWS: 98  
 EPA PERMIT #: RGE: 21E

PROPOSED WELLBORE DIAGRAM





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8

1595 Wynkoop Street  
DENVER, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>

Ref: 8P-W-GW

JUN 12 2009

RECEIVED

JUN 22 2009

DIV. OF OIL, GAS & MINING

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Grizz Oleen  
Staff Environmental Analyst  
Kerr McGee Oil & Gas Onshore, LP  
1368 South 1200 East  
Vernal, UT 84078

95 21E 3A

RE: Underground Injection Control (UIC)  
**180-Day Limited Authorization to Inject**  
Well: CIGE 114 SWD  
EPA Permit No.: UT21145-07823  
Uintah County, UT  
API No.: 43-047-31915

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

Dear Mr. Oleen:

The Kerr McGee Oil & Gas Onshore, LP letter with attached information regarding injection conversion of CIGE 114 SWD was received by the Environmental Protection Agency (EPA), Region 8, on May 18, 2009. The submittal satisfactorily completed the **Prior to Commencing Injection** requirements for Final Class II Underground Injection Control Permit UT21145-07823, effective October 3, 2008. The Part I (Internal) Mechanical Integrity Test (MIT), Well Rework Record (EPA Form No. 7520-12), schematic diagram, calculated pore pressure, Cement Bond Log, Radioactive Tracer Survey (Upper and Lower confining zone demonstrations), and an AoR wellbore diagram (NBU 921-34H) were reviewed and approved by EPA on March 25, 2009.

As of the date of this letter, Newfield is authorized to commence injection into CIGE 114 SWD well at a **Maximum Allowable Injection Pressure (MAIP) of 260 psig** for 180 days from the date injection begins.

Because the cementing records have not satisfactorily demonstrated the presence of adequate cement to prevent migration of injection fluids behind the casing from the injection zone, a Radioactive Tracer Survey (RTS) is required to confirm the presence of adequate cement near the uppermost and lowermost perforations. The 180-day period is intended to allow time for injection zone pressure to reach the MAIP of 260 psig prior to executing the RTS.

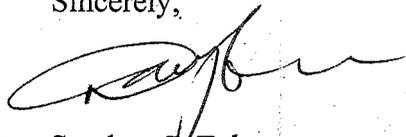
Kerr McGee Oil & Gas Onshore, LP must receive prior authorization from the Director in order to inject at pressures greater than the permitted MAIP during any test. Please note that the

maximum pressure used during the RTS may become the new MAIP because cement integrity was demonstrated at that pressure. Therefore, it may be advantageous to run a step rate test to determine the fracture gradient of the injection zone prior to conducting the RTS. Should Kerr McGee Oil & Gas Onshore, LP apply for an increase in the MAIP at a later date, a demonstration of cement integrity at the higher MAIP must be conducted at that time.

Please remember that it is Kerr McGee Oil & Gas Onshore, LP's responsibility to be aware of and to comply with all conditions of Permit UT21145-07823 for the CIGE 114 SWD injection well.

If you have questions regarding the above action, please call Tricia Pfeiffer at 303-312-6271 or 1-800-227-8917, ext. 312-6271. Results of the RTS should be mailed directly to the attention of Tricia Pfeiffer, at the letterhead address citing **Mail Code: 8P-W-GW**.

Sincerely,

  
*for* Stephen S. Tuber

Assistant Regional Administrator  
Office of Partnerships and Regulatory Assistance

cc: Uintah & Ouray Business Committee  
The Honorable Curtis Cesspooch, Chairman  
Ronald Groves, Councilman  
Irene Cuch, Vice-Chairwoman  
Steven Cesspooch, Councilman  
Phillip Chimburas, Councilman  
Frances Poowegup, Councilwoman

Daniel Picard  
BIA - Uintah & Ouray Indian Agency

Ferron Secakuku  
Director, Natural Resources  
Ute Indian Tribe

Larry Love  
Director of Energy & Minerals Dept.  
Ute Indian Tribe

Gil Hunt, Associate Director  
Utah Division of Oil, Gas, and Mining



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8

1595 Wynkoop Street  
Denver, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region8>

DEC 11 2009

Ref: 8P-W-GW

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Grizz Oleen  
Kerr McGee Onshore Oil and Gas, LP  
1368 South 1200 East  
Vernal, UT 84078

RECEIVED

DEC 24 2009

DIV. OF OIL, GAS & MINING

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

Re: Authorization to Inject  
EPA UIC Permit UT21145-07823  
Well: CIGE 114 SWD 21  
NESE Sec. 34-T9S-R23E  
Uintah County, UT  
API #: 43-047-31915

Dear Mr. Oleen:

Thank you for submitting information regarding completion of construction and testing for the above referenced well. Requirements of your UIC Permit required submittal of the following information to the Director:

1. Well Completion forms and diagrams
2. Mechanical Integrity Test results
3. Injection Zone Pore Pressure
4. CBL
5. Injection Fluid Sample
6. Temperature Logs
7. Radioactive Tracer Surveys
8. Step Rate Test

All required information has been submitted, and has been reviewed and approved by the EPA. Therefore, effective upon receipt of this letter, Administrative approval is hereby granted for injection under conditions of your UIC Permit.

As of this approval, responsibility for permit compliance and enforcement is transferred to the Region 8 UIC Technical Enforcement Program office. Please direct all future notification, reporting, monitoring and compliance correspondence to the following address, and reference



Printed on Recycled Paper

your UIC Permit number and well name.

U.S Environmental Protection Agency  
Region 8 UIC Technical Enforcement Program, 8ENF-UFO  
1595 Wynkoop Street  
Denver, CO 80202-1129

**NOTE FOR FOLLOW-UP TEMPERATURE SURVEYS ON THE 921-34H Production Well**

On 2/24/09, a Radioactive Tracer Survey was conducted on the nearby 921-33F production well to prove that no flow could migrate out of the injection formation along the cemented wellbore. When this survey was conducted, flow was detected moving from the perforations at 1955 feet downward to 2004 feet. Following this test, the perforations at 1925 feet were squeezed and tested to 1000 psi.

Although this zone at 1925 feet was squeezed, subsequent annual Temperature Logs will be designed and conducted with emphasis placed on determining the existence of any fluid flow downward from 1955 feet. This interval should receive particular attention during the logging and the follow-up review. This requirement is also documented in UT21144-07813.

As of this approval, responsibility for permit compliance and enforcement is transferred to the Region 8 UIC Technical Enforcement Program office. Please direct all future notification, reporting, monitoring and compliance correspondence to the following address, and reference your UIC Permit number and well name.

U.S Environmental Protection Agency  
Region 8 UIC Technical Enforcement Program, 8ENF-UFO  
1595 Wynkoop Street  
Denver, CO 80202-1129

If you have any questions regarding this Authorization, please call Tricia Pfeiffer of my staff at (303) 312-6271. For questions regarding notification, testing, monitoring, reporting or other permit requirements, please contact Nathan Wisner of the UIC Technical Enforcement Program by calling (303) 312-6211.

Sincerely,



Steven J. Pratt, P.E., CAPM (inactive)  
Director, Ground Water Program



Printed on Recycled Paper

cc:

Gil Hunt, Utah Division of Oil, Gas, and Mining  
Fluid Minerals Engineering Office, Bureau of and management.  
Lynn Becker, Director, Energy and Minerals department, Ute Indian Tribe

Uinta and Ouray Business Committee  
Curtis Cesspooch, Chairman  
Ronald Groves, Councilman  
Irene Cuch, Vice-Chairwoman  
Steven Cesspooch, Councilman  
Phillip Chimburas, Councilman  
Frances Poowegup, Councilwoman

Daniel Picard, Superintendent  
BIA - Uintah & Ouray Indian Agency  
Ute Indian Tribe

Ferron Secakuku  
Director, Natural resources  
Ute Indian Tribe



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-01194-A
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>1. TYPE OF WELL</b> Water Injection Well	<b>8. WELL NAME and NUMBER:</b> CIGE 114
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>9. API NUMBER:</b> 43047319150000
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6007 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1931 FSL 0535 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 34 Township: 09.0S Range: 21.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES  <b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH

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

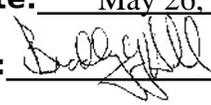
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion: 5/11/2009	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input checked="" type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
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	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: _____

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

THE OPERATOR HAS PERFORMED THE PLUG BACK AND THE CONVERSION TO A SWD ON THE SUBJECT WELL LOCATION. IN ACCORDANCE WITH THE EPA PERMIT NUMBER UT21145-07823. PLEASE REFER TO THE ATTACHED PLUG BACK AND SWD CHRONOLOGICAL WELL HISTORY.

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

Date: May 26, 2010

By: 

<b>NAME (PLEASE PRINT)</b> Sheila Wopsock	<b>PHONE NUMBER</b> 435 781-7024	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A		<b>DATE</b> 5/25/2010

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

Well: CIGE 114 Spud Date:  
 Project: UTAH-UINTAH Site: CIGE 114 Rig Name No: SWABBCO 1/1  
 Event: RE ENTER Start Date: 1/2/2009 End Date: 5/11/2009  
 Active Datum: RKB @0.00ft (above Mean Sea Level) UWI: CIGE 114

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
1/2/2009	9:30 - 16:00	6.50	WO/REP	07		P		RRTL & ALL EQUIPMENT SPOT IN RIG UP GUY OUT LAY HARDLINE BWD NDWH NUBOP TEST BOP = GOOD TEST UNLTBG = TBG STUCK TRY TO ROTATE WITH NO LUCK WORK TBG @ 55,000 # WORK TBG FREE TOH 30 STANDS LOTS OF PARAFIN ON TBG TIH 5 STANDS SWI SDFN
1/5/2009	7:00 - 16:30	9.50	WO/REP	07		P		HSM HOKK UP HOT OILER HEAT FLAT TANK P/90 BBLS DOWN TBG @ 250 DEG WITH NO CIRC 60 BBLS DOWN CSG @ 250 DEG WITH NO CIRC TOH TBG TALLYING 153 JNTS 2 3/8 J-55 REMOVE PSN TIH 153 JNTS TO 4870' SWI SDFN
1/6/2009	7:00 - 18:00	11.00	WO/REP	07		P		HSM R/U CEMENTERS P/25 SKS FROM 4870' TO 4670' TOH 7 STANDS P/60 BBLS 10# BRINE TO DISPLACE FLUID FROM 4670' TO 2365' TOH 36 STANDS = 43 STANDS IN DERRICK LD 67 JNTS ON TRAILER R/U WIRELINE WITH PACK OFF SET 5K CIBP @ 2775' PERF 4 SPF @ 2365' & @ 1450' POOH R/D WIRELINE TIH 87 JNTS TO 2760' P/25 SKS CEMENT FROM 2760' TO 2560' TOH 34 STANDS LD 19 JNTS TIH 5 1/2 CICR & 68 JNTS SET CICR @ 2154' P/100 SKS WITH 2% CALCIUM & 50 SKS G-NEAT WELL ON VACUME FLUSH 8 BBLS STUNG OUT OF CICR LEAVING 15' OF CEMENT ON TOP OF CICR = CEMENT TOP @ 2140' TOH 34 STANDS R/U WIRELINE RIH SET CBP @ 1640' POOH R/D WIRELINE SWI SDFN
1/7/2009	7:00 - 10:00	3.00	WO/REP	07		P		HSM TIH 5 1/2 FULL BORE TENSION PKR & 42 JNTS SET PKR @ 1332' WITH 18,000# TENSION LOAD & TEST CSG ABOVE PKR TO 750 PSI = GOOD TEST EST INJ RATE OF 2 BPM @ 600 PSI P/100SKS WITH 2% CALCIUM & 100 SKS G-NEAT WELL ON VACUME LET WELL SIPHEN FLUSH WITH OUT PUMP STOPPED VACUME WITH 4 BBLS FLUSH IN WELL WAIT 10 MINUTES INBETWEEN 1/2 BBL PUMPS FLUSH CEMENT TO 1410' SWI WITH 50 PSI ON WELL CEMENT TOP 40' ABOVE PERFS @ 1450' SDFN
1/9/2009	7:00 - 18:30	11.50	WO/REP	07		P		HSM PRESSURE TEST CSG BELOW PKR TO 500 PSI = GOOD TEST = CEMENT OVER PERFS @ 1450' RELEASE PKR TOH TOH 4 3/4 BIT & 44 JNTS TO 1390' ROLL HOLE WITH HOT OILER LD 10 JNTS TIH 5 STANDS P/U SWIVEL WITH JNT 45 TAG CEMENT @ 1400' = 50' ABOVE PERFS @ 1450' DRILL CEMENT TO 1455' FELL THROUGH SWIVEL IN TAG CBP @ 1640' TEST SQUEEZE TO 500 PSI = GOOD TEST DRILL PLUG WELL TAKING FLUID = PERFS @ 1652'-1660' STILL OPEN HUNG R/O SWIVEL TIH TO 2130' P/70 BBLS WITH HOT OILER UNABLE TO GET CIRC LD 67 JNTS ON TRAILER NDBOP NUWH R/O PUMP & TANKS RDMO SDFN

US ROCKIES REGION  
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Event: RE ENTER		Start Date: 1/2/2009	End Date: 5/11/2009
Active Datum: RKB @0.00ft (above Mean Sea Level)		UWI: CIGE 114	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
1/10/2009	7:00 - 16:00	9.00	WO/REP	11		P		HSM R/U WIRELINE RIH STACK OUT @ 300' HOT OILER BROKE DOWN WAIT ON NEW HOT OILER P/40 BBLS HOT RUN CBL FROM 2100' TO 1400' PERFS @ 1652'-1660' GIVING UP GAS UNABLE TO GET CBL FROM 1660' UP SET CBP @ 1640' RUN CBL FROM 1640 UP TO 1100' SHOWS NO CEMENT BELOW 1450' TO 2100' & ALL CEMENT FROM SQUEEZE @ 1450' WENT UP R/D WIRELINE
1/22/2009	7:00 - 17:30	10.50	WO/REP	07		P		RRTL SPOT IN ALL EQUIPMENT SERVICE RIG PUMP & SWIVEL RIG UP GUY OUT BWD NDWH NUBOP TIH 4 3/4 BIT & 52 JNTS TAG PLUG P/U SWIVEL WITH JNT 52 LAY HARD LINE BREAK CIRC DRILL PLUG HUNG SWIVEL TIH TO 2130' WITH JNT 67 SWI SDFN
1/23/2009	7:00 - 17:00	10.00	WO/REP	07		P		HSM WAIT ON HOT OILER UNTIL 8:00 AM DECIDE TO TOH R/U WIRELINE RIH STACK OUT ON PARAFIN @ 2095' PERF @ 2091' & 1460' POOH TIH CICR & 65 JNTS WITH 6' SUB SET CICR @ 2071' R/U CEMENTERS BREAK DOWN PERFS @ 2500 PSI PUMP 8 BBLS & LOCKED UP PRESSURE OUT TO 3700 PSI WORK PRESSURE FROM 0-3700 PSI BUT UNABLE TO BREAK DOWN STUNG OUT OF CICR TOH RIH WIRELINE PERF @ 2050' POOH TIH PKR & 64 JNTS SET PKR @ 2043' BREAK DOWN PERFS @ 1400 PSI P/20 BBLS RELEASE PKR TOH TIH CICR & 64 JNTS ATTEMPT TO SET @ 2040' WITH NO LUCK TOH TBG & CICR CICR PACKED TIGHT WITH PARAFIN TIH 64 JNTS OPEN ENDED SWI SDFN
1/24/2009	7:00 - 15:00	8.00	WO/REP	07		P		HSM P/35 BBLS DOWN TBG & 35 BBLS DOWN CSG HOT TOH TIH CICR & 64 JNTS SET CICR @ 2040' P/20 BBLS @ 200 PSI P/150 SACKS CEMENT WELL ON VACUME LET WELL PULL FLUSH FROM TRUCK STUNG OUT OF CICR LEAVING 1/2 BBL CEMENT ON CICR TOH R/U WIRELINE RIH SET CBP @ 1640' POOH TIH PKR & 42 JNTS SET PKR @ 1343' = 117' ABOVE PERFS @ 1460' = 3 BBLS BELOW PKR EST INJ RATE OF 3 BPM @ 700 PSI P/150 SKS CEMENT PERFS ON VACUME LET WELL PULL FLUSH FROM TRUCK LEVELED OFF @ 4 1/2 BBLS INTO FLUSH WAIT & WORKED CEMENT WITH LAST 2 BBLS OF FLUSH SWI WITH 300 PSI ON CEMENT EST CEMENT TOP @ 1386' = 74' OF CEMENT TO PERFS @ 1460' SDFWE
1/26/2009	7:00 - 16:00	9.00	WO/REP	07		P		HSM PRESSURE TEST BELOW PKR TO 500 PSI = GOOD TEST RELEASE PKR TOH TIH 4 3/4 BIT & 43 JNTS TAG CEMENT @ 1378' P/U SWIVEL WITH JNT 44 DRILL CEMENT TO 1468' = 8' PAST PERFS TEST SQUEEZE TO 500 PSI = GOOD TEST HUNG SWIVEL TIH TO CBP @ 1640' WITH JNT 52 TOH R/U WIRELINE RIH RUN CBL FROM 1640' TO 1100' SHOWS NO CEMENT BELOW 1460' & LOG NOT MATCHING FROM 1450' UP TO 1100' FROM 1/12/09 CHANGE BON TOOLS RUN CBL MATCHES 1ST RUN POOH SWI SDFN

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Event: RE ENTER		Start Date: 1/2/2009	End Date: 5/11/2009
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Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
1/27/2009	7:00 - 15:30	8.50	WO/REP	07		P		HSM R/U WIRELINE RIH PERF @ 1525' POOH R/D WIRELINE TIH PKR & 44 JNTS SET PKR @ 1406' R/U CEMENTERS TEST ABOVE PKR WITH 500 PSI = FAILED TEST LD 1 JNT SET & TEST PKR = FAILED LD 1 JNTS SET & TEST PKR = FAILED TOH WAIT ON NEW PKR TIH SET PKR @ 1406' TEST ABOVE PKR TO 500 PSI = GOOD TEST EST INJ RATE OF 2 BPM @ 900 PSI P/450 SKS WITH 2% CALCIUM WELL ON VACUME LET WELL PULL FLUSH OFF TRUCK WELL PULLING SLOWLY BUT NEVER STOPPED SWI WITH 6 1/2 BBL IN = 1 BBL PAST PKR LEAVING 76' OF CEMENT IN CSG @ SHUT IN R/D CEMENTERS SDFN
1/28/2009	7:00 - 14:30	7.50	WO/REP	07		P		HSM PRESSURE TEST BELOW PKR TO 500 PSI = GOOD TEST RELEASE PKR TOH HUNG UP WITH PKR ON LAST STAND FOUND ICE IN CSG BELOW BOP WAIT ON HOT OILER HEAT 10 BBL TO 250 DEG PUMP DOWN CSG LD PKR TIH 4 3/4 BIT & 46 JNTS TAG CEMENT @ 1475' = 50' ABOVE PERFS P/U SWIVEL WITH JNT 47 DRILL CEMENT TO 1535' = 10' PAST PERFS SWIVEL IN TO CBP @ 1640' TEST SQUEEZE = FAILED TEST HUNG SWIVEL TOH R/U WIRELINE RUN CBL SHOWS CEMENT COVERED ONLY 12' FROM 1525' TO 1537' POOH SWI SDFN
1/29/2009	7:00 - 14:00	7.00	WO/REP	07		P		HSM WAIT ON ORDERS R/U CEMENTERS PUMP SQUEEZE AS FOLLOWS P/50 BBL FRESH @ 0 PSI WITH 4 BPM P/10 BBL CALCIUM P/ 1/2 BBL FRESH /15 BBL SODIUM SILICATE P/ 1/2 BBL FRESH P/120 SKS CEMENT FLUSH WITH WITH 29 1/4 BBL LEAVING 260' OF CEMENT IN CSG PRESSURE OUT SQUEEZE @ 1000 PSI BLED OFF TO 500 PSI SWI SDFN
1/30/2009	7:00 - 11:00	4.00	WO/REP	07		P		HSM TIH BIT & 42 JNTS TAG CEMENT @ 1328' SWIVEL UP DRILL CEMENT TO 1495' = 35' ABOVE PERFS @ 1525' CEMENT STILL GREEN SWIVEL OUT TO JNTS SWI SDFWE
2/2/2009	7:00 - 12:00	5.00	WO/REP	07		P		HSM DRILL CEMENT TEST SQUEEZE TO 500 PSI = GOOD TEST CLEAN OUT TO CBP @ 1640' HUNG SWIVEL TOH R/U WIRE LINE RUN CBL SHOWS CEMENT FROM 1500' TO 1564' POOH CHANGE OUT BOP SWI SDFN

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Event: RE ENTER		Start Date: 1/2/2009	End Date: 5/11/2009
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2/3/2009	7:00 -		WO/REP	07		P		HSM R/U WIRELINE PERF @ 1568' POOH R/U CEMENTERS BREAK DOWN PERFS @ 1850 PSI WORK FORMATION WITH 60 BBLS UNABLE TO BREAK DOWN LOW ENOUGH FOR TROPICAL CEMENT INJ RATE OF 1 BPM @ 1100 PSI SWITCH TRUCKS TO G-NEAT P/250 SKS = 150 SKS G-NEAT 50 SKS 2% CALCIUM & 50 SKS 3% CALCIUM FLUSH 25 BBLS @ 2 BPM @ 1100 PSI FLUSH 5 BBLS @ 1/2 BPM @ 850 PSI SHUT DOWN PRESSURE LEVELED OFF @ 600 PSI + HYDRSTATIC = 1350 PSI ON CEMENT WAIT 20 MINUTES PRESSURE @ 0 PSI WORK LAST 6 BBLS FLUSH @ 1BBL EVERY 10 MIN HOLD 15 MIN FORMATION PUSHED 1 BBL BACK IN TRUCK IN 5 MIN WAIT 5 MIN P/1 BBL EST CEMENT TOP @ 1520' WELL STILL PUSHING FLUID BACK OPEN BOP RIH 5 1/2 CBP TAG CEMENT @ 1490' SET CBP @ 1490' POOH RIH PERF @ 1468' POOH TIH PKR & 36 JNTS SET PKR @ 1184' = 316' ABOVE PERFS EST INJ RATE OF 1 BPM @ 1100 PSI PUMP 100 SKS G-NEAT WITH 2% CALCIUM & 50 SKS WITH 3% CALCIUM WELL ON VACUME LET WELL PULL FLUSH FROM TRUCK LEVELED OFF @ 4 BBLS INTO FLUSH WORKED CEMENT WITH LAST 4 1/2 BBLS OF FLUSH SQUEEZED OUT @ 1850 PSI SWI EST CEMENT TOP @ 1338' SDFN
2/4/2009	7:00 - 20:30	13.50	WO/REP	07		P		HSM TBG PRESSURE @ 0 PSI BUT STILL FULL OF WATER RELEASE PKR TOH TIH 4 3/4 BLADE BIT TAG CEMENT @ 1345' P/U SWIVEL WITH JNT 44 DRILL CEMENT TO 1475' = 7' PAST PERFS TAG PLUG TEST SQUEEZE TO 500 PSI = GOOD TEST START DRILLING CBP @ 1490' BERRING WENT OUT IN SWIVEL R/O SWIVEL WAIT ON NEW ONE R/U SWIVEL WITH JNT 47 DRILL UP CBP BIT PLUGGING UP DRILL TO 1527' BIT PLUGGED UNABLE TO PUMP PLUG FREE HUNG SWIVEL TOH TBG DRY BIT ONLY 1 PORT ON BIT PLUGGED WITH RUBBER & BIT WORE DOWN BAD SHOWS SOME WEAR ON OUTSIDE TIH NEW 4 3/4 BLADE BIT P/U SWIVEL WITH JNT 49 TAG SAME SPOT @ 1527' PRESSURED UP AGAIN DRY DRILLED FOR 5 MIN & FELL THROUGH DRILL CEMENT TO 1545' STARTED HAVING SAME PROBLEM CIRC HOLE CLEAN GOT 2 PIECES OF METAL BACK IN RETURNS LOOKS LIKE CSG HUNG SWIVEL TOH 2 STANDS SWI DRAIN UP SDFN

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Project: UTAH-UINTAH		Site: CIGE 114	Rig Name No: SWABBCO 1/1
Event: RE ENTER		Start Date: 1/2/2009	End Date: 5/11/2009
Active Datum: RKB @0.00ft (above Mean Sea Level)		UWI: CIGE 114	

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2/5/2009	7:00 - 18:00	11.00	WO/REP	07		P		HSM TOH TBG & BIT LARGE PIECE OF SLIP FROM CBP & PIECE OF RUBBER STUCK IN BIT TIH 4 3/4 MILL STACK OUT @ 1275' FEELS LIKE CEMENT STRINGER ON CSG WALL LD 9 JNTS TIH 4 STANDS P/U SWIVEL WITH JNT 40 CLEAN OUT TO 1527' MILLED THROUGH VERY EASY CLEAN OUT TO 1640' WITH JNT 52 CIRC HOLE CLEAN TEST SQUEEZE TO 500 PSI = GOOD TEST TOH R/U WIRELINE RUN CBL SHOWS GOOD CEMENT FROM 1500' DOWN RUN CBL FROM 1640' TO SURFACE R/D WIRE LINE TIH 4 3/4 CONE BIT DRILL UP CBP @ 1640' SWIVEL IN TO 1779' WITH JNT 56 CIRC HOLE CLEAN PERFS @ 1652' TO 1660' ARE SQUEEZED OFF HAD CEMENT INSIDE CSG HUNG SWIVEL LD 2 JNTS SWI
2/6/2009	7:00 - 18:30	11.50	WO/REP	07		P		HSM TOH TBG CHANGE BIT TO BLADE 4 3/4 TIH TAG @ 2002' WITH JNT 63 P/U SWIVEL DRILL CEMENT TO CICR @ 2040' DRILL ON CICR 40 MIN PERFS @ 1652'-1660' BROKE DOWN STARTED LOOSING FLUID UNABLE TO KEEP GOOD CICR PICK TBG UP 30' WAIT ON FOAM UNIT HOOK UP FOAM UNIT BREAK CIRC DRILL ON CICR PERFS GIVING UP LOTS OF FLUID DRILL ON CICR 5 HRS LOST ALL TORQUE ACTS LIKE BIT IS WORE OUT KILL WELL HUNG SWIVEL TOH BIT BAD TIH NEW BIT & 64JNTS SWI SDFN
2/7/2009	7:00 - 17:30	10.50	WO/REP	07		P		HSM P/U SWIVEL BREAK CIRC DRILL ON CICR 4 1/2 HRS = 9 1/2 HRS ON CICR LOST TORQUE HUNG SWIVEL TOH BIT WORE OUT LOOKS LIKE BIT GETTING HOT TIH CONE BIT INCREASE WATER WITH FOAM & REDUCE ROTATION SPEED TO TRY & KEEP BIT COOL DRILL ON CICR FINISH DRILLING UP IN 1 1/2 HRSDRILLING CEMENT BELOW CICR VERY SLOW FINISH DRILLING CEMENT TO CICR @ 2071' 3 1/2 HRS TOTAL ON CONE BIT DECIDE TO STOP BEFORE LOOSING CONE CIRC HOLE CLEAN TOH SWI SDFN
2/9/2009	7:00 - 17:00	10.00	WO/REP	07		P		HSM TIH 4 3/4 4 BLADED BIT P/U SWIVEL WITH JNT 65 DRILL ON CICR @ 2071' FELL FREE AFTER 2 1/2 HRS HIT AGAIN @ 2094' DRILL MAKING HOLE SLOWLY DRILL TO 2100' STOP MAKING HOLE CIRC HOLE CLEAN HUNG SWIVEL TOH R/U WIRE LINE RIH RUN CBL FLUID TO GASSY POOH TIH 64 JNTS PUMP 40 BBLS FLUID TOH RUN CBL SHOWS GOOD CEMENT FROM 2100' TO 2082' STILL HAVE BUBBLES POOH SWI SDFN
2/10/2009	7:00 - 12:00	5.00	WO/REP	07		P		HSM R/U WIRELINE RIH RUN CBL POOH TIH 66 JNTS LD ON TRAILER NDBOP NUWH R/O PUMP & TANKS RDMO
3/20/2009	9:00 - 17:00	8.00	WO/REP	07		P		RRTL & ALL EQUIPMENT SPOT IN RIG UP GUY OUT LAY ALL HARDLINE BWD NDWH NUBOP TIH SCRAPER & 64 JNTS CHANGED OUT 13 BAD COLLARS TOH SWI SDFWE
3/23/2009	7:00 - 7:30	0.50	WO/REP	23		P		HSM. WIRE LINE WORK

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	7:30 - 17:00	9.50	WO/REP	11	C	P		<p>SICP 100 BLOW WELL DOWN. MIRU PLS. PU TEMPERATURE LOG TOOL &amp; LOG FROM SURFACE TO 2,100' TEMP @ 2,100' = 84.5 DEG. POOH W/ TEMP LOG TOOL.</p> <p>PU 3 1/8" PORTED GNS, 23 GRM, .36 HOLE, 4 SPF 90 DEG PHASING.</p> <p>RIH PERFORATE 1,930' 4 SPF, 4 HOLES &amp; 1,680' 4 SPF, TOTAL 8 HOLES. POOH W/ WIRE LINE.</p> <p>PU RCIBP &amp; PACKER &amp; RIH W/ 62 JTS OF 2 3/8 L-80 TBG &amp; SET CIBP @ 1,981'.</p> <p>PRESSURE TEST TOOLS TO 1,500 PSI FOR 10 MIN. MOVE PACKER UP TO 1,816'.</p> <p>STRADDLING PERFS @ 1,930'. PUMPED 5 BBLs OF 2% KCL WATER @ 2 1/2 BPM @ 100 PSI.</p> <p>RU PLS &amp; RIH W/ TRACER TOOLS. PUMP 1/2 BPM @ 0 PSI &amp; INJECT I-131 RA MATERIAL. PUMPED 25 BBLs FRESH WATER.</p> <p>TRACER SHOWED TOP @ 1,924' &amp; BOTTOM @ 1,946'. LOWER CONFINING ZONE @ 1,959' TO 2,036'.</p> <p>POOH W/ TRACER TOOLS. REALESE PACKER. RIH W/ 5 JTS &amp; RELEASE CIBP. PU &amp; SET CIBP @ 1,760' &amp; SET PACKER @ 1,501'.</p> <p>STRADDLING PERF 1,652' - 1,660' - 1,680'. PUMP 1/2 BPM @ 0 PSI &amp; INJECT I-131 RA MATERIAL. PUMPED 30 BBLs FRESH WATER.</p> <p>TRACER SHOWED TOP 1,652' &amp; BOTTOM @ 1,674'. UPPER CONFINING ZONE @ 1,485' - 1,654'.</p> <p>RELEASE PACKER &amp; RIH RELEASE CIBP. POOH LD PACKER &amp; CIBP.</p> <p>PU 2 3/8" SN &amp; 50 JTS OF 2 3/8" L-80 TBG. LAND TBG W/ 50 JTS @ 1,597.79'. ND BOP NU WELL HEAD. SDFN</p> <p>PUMPED 5 BBLs OF 2% KCL WATER &amp; 55 BBLs OF FRESH WATER TOTAL 60 BBLs.</p>
4/22/2009	7:00 - 14:00	7.00	WO/REP	07		P		<p>HSM RRTL &amp; ALL EQUIPMENT SPOT IN RIG UP GUY OUT BLOW DOWN TBG @ 200 PSI R/U SWAB IFL 200' FROM SURFACE MADE 10 RUNS RECOVERED 45 BBLs FFL 200' FROM SURFACE R/D SWAB NDWH NUBOP UNLTBG TOH 50 JNTS R/U CUTTERS WIRELINE PERFORATE FROM 1700' TO 1954' IN 4 RUNS R/D WIRELINE WELL STARTED TO FLOW FLOW WELL BACK TIH 50 JNTS TO 1598' SWI R/U SLICKLINE RIH SET PRESSURE BOMB @ 1798' SWI FOR 24 HRS</p>
4/23/2009	15:00 -		WO/REP	07		P		<p>HSM POOH WITH PRESSURE BOMB BWD CIRC WELL WITH N2 FOR WATER SAMPLES EVERY 20 BBLs RECOVERED 240 BBLs TODAY &amp; 295 TOTAL SWI SDFN</p>

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4/27/2009	7:00 - 20:00	13.00	WO/REP	07		P		<p>HSM BWD TOH TIH SCRAPER TO 1998' TOH TIH PKR &amp; RBP SET PLUG @ 1981' &amp; PKR @ 1970' TEST PLUG TO 1000 PSI ISOLATE &amp; PUMP ACID IN PERFS AS FOLLOWS:</p> <p>1898'-1954'= 1000 GAL ACID WITH 8.8 BBLS FLUSH            1860'-1872'= 300 GAL ACID WITH 7.6 BBLS FLUSH            1790'-1809'= 300 GAL ACID WITH 7.4 BBLS FLUSH            1754'-1762'= 200 GAL ACID WITH 7.2 BBLS FLUSH            1700'-1722'= 400 GAL ACID WITH 7 BBLS FLUSH            STARTING RATE OF 3 1/2 BPM @ 292 PSI ON 1ST STAGE            FINAL RATE OF 4 BPM @ 300 PSI ON LAST STAGE            148 BBLS TOTAL FLUID TO RECOVER AFTER ACID JOB            SET PKR @ 1598' = 54' ABOVE PERFS ATTEMPT            1000 PSI TEST ON CSG = FAILED @ 950 PSI LOST ALL PRESSURE IN 4 MIN RESET PKR @ 1407' = 43' ABOVE ALL PERFS FROM SQUEEZE JOBS TEST TO 1000 PSI = SLOW LEAK PAST PKR TOH CHECK PKR PACKED FULL OF PARAFIN CALL FOR NEW PKR TIH OPEN ENDED TO 2000' KICK IN N2 UNIT CIRC BACK 290 BBLS TO TANK = DOUBLE THE BBLS PUMPED FOR ACID JOB TOH TIH PKR &amp; 44 JNTS SET @ 1407' TEST CSG TO 1000 PSI = GOOD TEST RESET PKR WITH 46 JNTS @ 1470' TEST TO 1000 PSI = FAILED SQUEEZE JOB @ 1450' OR 1460' BROKE DOWN EST INJ RATE OF 1/2 BPM @ 600 PSI LD 2 JNTS SWI SDFN</p>
4/28/2009	7:00 - 15:00	8.00	WO/REP	07		P		<p>HSM BWD TOH PKR R/U WIRELINE RIH SET 5K CBP @ 1600' POOH R/D WIRELINE TIH PKR &amp; 50 JNTS SET @ 1595" TEST PLUG BELOW PKR TO 1100 PSI = GOOD TEST TOH 2 JNTS SET PKR @1533' TEST SQUEEZE @ 1568' = FAILED EST INJ RATE OF 1/2 BPM @ 900 PSI TOH TIH 5 1/2 CICR SET @ 1500' WITH 47 JNTS P/175 SKS G-NEAT FOLLOWED WITH 50 SKS 2% = 225 SKS SQUEEZED OUT @ 800 PSI STUNG OUT OF CICR LEFT .3 BBLS OF CEMENT ON CICR EST CEMENT TOP 1475' TOH TIH 5 1/2 PKR SET @ 1153' WITH 36 JNTS P/75 SKS G-NEAT WELL WENT ON VACUME P/150 SKS 2% LET PERFS PULL FLUSH FROM TRUCK LEVELED OFF WITH 3 BBLS IN ON 9 1/2 BBL FLUSH WORK CEMENT OVER NEXT 1 1/2 HRS WITH LAST 6 1/2 BBLS SQUEEZED OUT @ 200 PSI CEMENT TOP @ 1770' SWI SDFN</p>
4/29/2009	-							
4/30/2009	7:00 - 7:30	0.50						JSA
	7:30 - 10:49	3.32						SIWP=0 PSI TUB, CAS 100 PSI BLOW PRESS DWN REL. PKR POOH , PU ROCK BIT & BS RIH TAG CEM @ 1330' RU PWR SWVL & PMP DRILL CEM TO 1450' CEM GREEN POOH 30' APPLY 500 PSI SWIFN. ALLOW CEM TO HARDEN
5/1/2009	7:00 - 7:30	0.50						JSA

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	7:30 - 17:30	10.00		02				SIWP=0 PSI RU PWR SWVL & PMP START DRILLING CEM @ 1415' DRILL TO CEM RET @ 1496' TEST CAS TO 500 PSI HOLD F/ 30 MIN W/ 10 PSI LOSS DRLL THRU CEM RET STARTED HAVING CIRC PROB POOH LOOK @ BIT SWAP BIT OUT TIH W 44 JNS SWIFW
5/4/2009	7:00 - 7:15	0.25	COMP	23		P		JSA-SAFETY MEETING #32, DAY 32
	7:15 - 15:00	7.75	COMP	02		P		NO PRESSURE ON WELL, RIH TAG CEMENT @ 1500', R/U POWWR SWIVEL, DRILL OUT CEMENT FROM 1500' TO 1590', CIRC WELL CLEAN, PRESSURE TEST CSG TO 500# W/ BLEED DN TO 225# IN 10 MIN, LOST OF 275#, BLEED WELL DN, TOOH W/ 2-3/8" TBG, SWI, SDFN,
5/5/2009	7:00 - 7:15	0.25	COMP	23		P		JSA-SAFETY MEETING #33, DAY 33
	7:15 - 9:00	1.75	COMP	06		P		P/U WEATHERFORD 5-1/2" PACKEER, TIH W/ 2-3/8" TBG, SET PACKER @ 1534', PRESSURE TEST CSG TO 500#, OK, PUMP DN TBG PRESSURE UP TO 500#, BLEED OFF 250# IN 10 MIN, RELEASE PACKER RIH SET PACKER @ 1562', PRESSURE UP ON CSG TO 500# OK, PRESSURE UP TBG TO 500# BLEED OFF 250# IN 10 MIN, RELEASE PACKER RIH SET PACKER @ 1577', PRESSURE UP TBG TO 500#, OK, PRESSURE UP CSG TO 500 # W/ BLEED OFF 250 # IN 10 MIN, RELEASE PACKER P/U TO @ 1562', SET PACKER PRESSURE UP CSG TO 500#, PRESSURE UP CSG TO 1000# W/ BLEEDING OFF 500 # IN 3 MIN, TRY TO GET PUMP IN RATE W/ PRESSURE UP TO 1000# AND BLEED OFF TO 500# IN 3 MIN, COULD NOT BREAK DN, RELEASE PACKER TOOH,
	9:00 - 11:00	2.00	COMP	21		P		WAIT ON WIRELINE TO SPOT ACID ACROSS HOLE IN CSG.
	11:00 - 12:00	1.00	COMP	11		P		R/U CASED HOLE WIRELINE, RIH W/ DUMP BAILER, DUMP ACID ACROSS HOLE @ 1565', R/D WIRELINE.
	12:00 - 15:00	3.00	COMP	06		P		TIH W/ PACKER AND TBG, SET PACKER @ 1502', PRESSURE TEST CSG 500#. OK, PUMP DN TBG W/ PRESSURE UP TO 1000#, KEEP WORKING PRESSURE TO 1000#, TILL ACID GOT INTO HOLE, SHUT DN FOR 5 MIN, PUMP INTO HOLE W/ GETTING @ 1/2 B/M AT 1000#, CSG HOLDING @ 500#, RELEASE PACKER TOOH, P/U 5-1/2" CICR TIH W/ 2-3/8" TBG SET CICR @ 1502',

US ROCKIES REGION  
**Operation Summary Report**

Well: CIGE 114		Spud Date:	
Project: UTAH-UINTAH		Site: CIGE 114	Rig Name No: SWABBCO 1/1
Event: RE ENTER		Start Date: 1/2/2009	End Date: 5/11/2009
Active Datum: RKB @0.00ft (above Mean Sea Level)		UWI: CIGE 114	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	15:00 - 15:00	0.00	COMP	18	A	P		R/U PRO PETRO CEMENTERS, GOT PUMP IN RATE AT 3/4 B/M @ 950#, PUMP DN TBG 5 BBL FRESH WTR THEN MIX AND PUMP 50 SKS W/ 2%CLC THEN 100 SKS NEAT CEMENT W/ START TO SQUEEZE OFF W/ @ 50 SKS BEHIND CSG, PUMP SLOW W/ PUMP @ 10 BBL CEMENT LEFT, PRESUURE @ 800#, START STG CEMENT W/ PRESSURE COME DN TO @ 300#, KICK PUMP IN PRESSURE GO BACK TO 900#, PRESSURE STAYING @ 600# W/ 1/2 BBL CEMENT LEFT IN TUB,PUMP TOLAL OF140 SACKS BEHIND CSG AND 8 SACKS IN CSG, UNSTUNG FROM CICR, PULLED UP 20' REVERSE OUT TBG W/ GETTING @ 1/2 BBL CEMENT BACK,, TOOH W/ TBG LAY DN STINGER, SHUT WELL IN SDFN,
5/6/2009	7:00 - 7:15	0.25	COMP	23		P		JSA-SAFETY MEETING #34, DAY 34
	7:15 - 15:00	7.75	COMP	02	F	P		P/U AND RIH W/ 4-3/4" BIT, BIT SUB, 6- 3-1/8" DRILLCOLLERS, X-OVER 2-3/8" TBG, TAG CEMENT @ 1490', R/U POWER SWIVER , DRILL OUT 10' CEMENT AND CICR, drill dn to @ 1502', CIRC WELL CLEAN, P/U TO @ 1480', PRESSURE TEST CSG TO 500# W/ HOLDING, SHUT WELL IN W/ 500# ON CSG, SDFN
5/7/2009	7:00 - 7:15	0.25	COMP	23		P		JSA-SAFETY MEETING #35, DAY 35
	7:15 - 14:00	6.75	COMP	02	F	P		TIH TO 1502', BROKE CORC, DRILL OUT CEMENT FROM 1502' TO 1590', CORC WELL CLEAN, PTRESSURE TES CSG TO 500# HOLD FOR 30 MIN, OK, DRILL OUT CBP AT 1600' LOST CIRC, DROP FREE, TIH TO 2100' PBTD,
	14:00 - 16:00	2.00	COMP	06	J	P		TOOH W/ LAYIND DN 2-3/8" TBG ON TRAILER, LAY DN DRILL COLLERS, CHANGE BOP RAM AND TBG EQUIP TO 2-7/8",
	16:00 - 16:00	0.00	COMP	06		P		P/U WEATHERFORD PACKER, X-N NIPPLE, TIH W/ 2-7/8" TBG W/ TALLY TBG IN, SET PACKER AT 1594', PRESSURE TEST CSG AND PACKER TO 500# OK, SHUT WELL IN, SDFN,
5/8/2009	7:00 - 9:00	2.00	COMP	23		P		JSA-SAFETY MEETING #36, DAU 36, MEETING W/ SCHLUMBERGER, DELSCO WIRELINE AND RIG CREW, R/U WIRELINE AND SCHLUMBERGER TO 2-7/8" TBG, PRESSURE TESTED TO 1500#, WIRELINE RIH HUNG PRESSURE BOMB AT 1827', PERF AT 1700' TO 1954'

US ROCKIES REGION  
**Operation Summary Report**

Well: CIGE 114		Spud Date:	
Project: UTAH-UINTAH		Site: CIGE 114	Rig Name No: SWABBCO 1/1
Event: RE ENTER		Start Date: 1/2/2009	End Date: 5/11/2009
Active Datum: RKB @0.00ft (above Mean Sea Level)		UWI: CIGE 114	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	9:00 - 17:30	8.50	COMP	07		P		<p>SCHLUMBERGER FILLED TBG W/ WTR STARTED STEP RATE TEST AT 9:07 A.M.</p> <p>( RATE #1 ) PUMP .75 BBLS P/M @ 22 LBS w/ WELL SUCKING DN HOLE AT 2.6 B/M, PUMP 10 MIN, 22#, 20 MIN, 22#, 30 MIN 22 #, 40 MIN 22 #, 50 MIN 22#, 60 MIN 22#, PUMP 157 BBLS, INCREASE RATE TO 3 B/M</p> <p>( RATE #2 ) PUMP RATE 3 B/M, START PRESSURE 22#, 10 MIN 62#, 20 MIN 68#, 30 MIN 68#, 40 MIN 73#, 50 MIN 71#, 60 MIN 73#, PUMP 187 BBLS FOR 60 MIN, INCREASE RATE TO 4.5 B/M</p> <p>( RATE #3 ) PUMP RATE 4.5 B/M, START PRESSURE 190 #, 10 MIN 209#, 20 MIN 215#, 30 MIN 229# , 40 MIN 233#, 50 MIN 240#, 60 MIN 240#, PUMP 270 BBLS FOR 60 MIN, INCREASE RATE TO 6 B/M</p> <p>( RATE #4 ) PUMP RATE 6 B/M, START PRESSURE 390#, 10 MIN 415#, 20 MIN 440#, 30 MIN 460#, 40 MIN 482#, 50 MIN 490#, 60 MIN 517#, PUMP 360 BBLS FOR 60 MIN, INCREASE RATE TO 9 B/M,</p> <p>( RATE #5 ) PUMP RATE 9 B/M, START PRESSURE 936#, 10 MIN 933#, 20 MIN 1002#, 30 MIN 1015#, 40 MIN 1030#, 50 MIN 1050 #, 60 MIN 1090#, PUMP 540 BBL FOR 60 MIN, INCREASE TO 12 B/M,</p> <p>( RATE #6 ) PUMP RATE 12 B/M, START PRESSURE 1543#, 10 MIN 1586#, 20 MIN 1572#, 30 MIN 1540#, 40 MIN 1520#, 50 MIN 1517#, 60 MIN 1514#, PUMP 720 BBLS FOR 60 MIN, INCREASE RATE TO 14.5 B/M,</p> <p>( RATE #7 ) PUMP RATE 14.5 B/M, START PRESSURE 2031#, 10 MIN 2018#, PUMP TRUCK COULD NOT HOLD RATE DROP TO 14.1 B/M, PUMP 150 BBLS,</p> <p>( RATE #8 ) PUMP RATE 14.1 B/M, START PRESSURE 2016#, 10 MIN 2010#, 20 MIN 2014#, 30 MIN 2010#, LOST ONE PUMP, SHUT DOWN, PUMP 423 BBLS,</p> <p>ISIP = 391#, 5 MIN = 194#, 10 MIN = 135#, 15 MIN = 102#, F.G. = 0.65,</p> <p>SLICKLINE P/O PRESSURE BOMB, SHUT WELL IN, R/D SCHLUMBERGER AND SLICKLINE, PUMP TOTAL OF 2807 BBLS, SDFWE</p>

US ROCKIES REGION  
**Operation Summary Report**

Well: CIGE 114		Spud Date:	
Project: UTAH-UINTAH		Site: CIGE 114	Rig Name No: SWABBCO 1/1
Event: RE ENTER		Start Date: 1/2/2009	End Date: 5/11/2009
Active Datum: RKB @0.00ft (above Mean Sea Level)		UWI: CIGE 114	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
5/11/2009	7:00 - 15:30	8.50	WO/REP	07		P		HSM BWD RELEASE PKR TOH LAYING DOWN P/U 5 1/2 NICKLE PLATED ARROW SET1 PKR TIH WITH 51 JNTS 2 7/8 FIBER LINED TBG PUMP PKR FLUID SET PKR @ 1601' WITH 6000# COMPRESSION FILL CSG RUN MIT TEST TO 500 PSI HELD 30 MIN = GOOD TEST NUWH SWI R/O PUMP & TANK RDMO SDFN

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9  5. LEASE DESIGNATION AND SERIAL NUMBER: UO-1194-AST
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Water Disposal Well	8. WELL NAME and NUMBER: CIGE 114
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047319150000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6100  9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1931 FSL 0535 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 34 Township: 09.0S Range: 21.0E Meridian: S	COUNTY: UINTAH  STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/7/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="workover"/>

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

The operator completed workover operations to repair casing leak found from MIT test on 3/18/2014. The work was completed on April 7, 2014. Please let this Sundry stand as a Subsequent report. Please see the attached procedure. Thank you.

**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
 May 15, 2014**

Date: \_\_\_\_\_

By: Dark Quif

NAME (PLEASE PRINT) Matthew P Wold	PHONE NUMBER 720 929-6993	TITLE Regulatory Analyst I
SIGNATURE N/A	DATE 4/3/2014	

**Workover to repair casing leak found from MIT test on**  
**3/18/2014**

**CIGE 114**  
**1931' FSL & 535' FEL**  
**NESE Section 34 – T9S – R21E**  
**Uintah County, UT**

<b>KBE:</b>	5083'	<b>API NUMBER:</b>	43-047-31915
<b>GLE:</b>	5069'	<b>LEASE NUMBER:</b>	U-01194-A-ST
<b>TD:</b>	6150'	<b>WI:</b>	100.000000%
<b>PBTD:</b>	2139'	<b>NRI:</b>	81.24800%
		<b>ORRI:</b>	7.592840%
		<b>UNIT/CA NUMBER:</b>	

**CASING:** 12.25" hole  
8.625", 24.0#, J-55 @ 251' w/ 180 sx cement

7.875" hole  
5.5", 17.0#, N-80 @ 6149' w/ 720 sx. Foamed Premium lead, 320 sx. Premium tail on primary job. Bridged out and left 1247' of cement in the casing. TOC from primary job at 5402' by CBL.  
Remedial cement consisting of 420 sx Silicalite lead and 330 sx Class G tail pumped from squeeze perforations at 5427', TOC at 1620' by temperature log from remedial cementing.  
Pumped a top job consisting of 205 sx Class G. Cement fill from surface to TOC @ 1620' by calculation.

**TUBING:** 2.875" 6.5# J-55 **Fiberlined I** tubing landed at 1601' (Tbg ID = 2.144", .0045 bbl/ft). Packer @ 1594'-1601'.

Tubular	Drift inches	Collapse psi	Burst Psi	Capacities		
				Gal./ft.	Cuft/ft.	Bbl./ft.
2.875" 4.7# J-55 FL I tbg.	2.144	7260	7680			.0045
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1626	0.02173	0.00387
5.5" 17# N-80 csg.	4.767	6280	7740	0.9764	0.1305	0.02324
8.625" 24# J-55 csg		1370	2950	2.6749	0.3575	0.0636
<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" hole				1.2978	0.1733	0.0309
7.875" hole				2.5302	0.3382	0.0602

**GEOLOGIC INFORMATION:**

<b>Formation</b>	<b>Depth to top, ft.</b>
Uinta	Surface
Green River	1162
Wasatch	4150'

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

USDW Elevation	~1000' MSL
USDW Depth	~4083' KBE

**PERFORATIONS**

<b>Formation</b>	<b>Date</b>	<b>Top</b>	<b>Bottom</b>	<b>SPF</b>	<b>Status</b>
Birds Nest	6/21/2006	1652	1660	4	Open
Birds Nest	4/29/2009	1700	1706	4	Open
Birds Nest	4/29/2009	1709	1715	4	Open
Birds Nest	4/29/2009	1718	1722	4	Open
Birds Nest	4/29/2009	1754	1762	4	Open
Birds Nest	4/29/2009	1790	1796	4	Open
Birds Nest	4/29/2009	1801	1809	4	Open
Birds Nest	4/29/2009	1860	1872	4	Open
Birds Nest	4/29/2009	1898	1902	4	Open
Birds Nest	4/29/2009	1907	1911	4	Open
Birds Nest	4/29/2009	1915	1923	4	Open
Birds Nest	4/29/2009	1926	1934	4	Open
Birds Nest	4/29/2009	1936	1954	4	Open
Wasatch	12/21/1992	4933	4933	1	Excluded
Wasatch	12/21/1992	4982	4982	1	Excluded
Wasatch	12/21/1992	4986	4986	1	Excluded
Wasatch	12/21/1992	4992	4992	1	Excluded
Wasatch	12/21/1992	4996	4996	1	Excluded
Wasatch	12/21/1992	5427	5427	1	Excluded
Wasatch	12/21/1992	5432	5432	1	Excluded
Wasatch	12/21/1992	5553	5553	1	Excluded
Wasatch	12/21/1992	5884	5884	1	Excluded
Wasatch	12/21/1992	5886	5886	1	Excluded
Wasatch	12/21/1992	5888	5888	1	Excluded
Wasatch	12/21/1992	5892	5892	1	Excluded
Wasatch	12/21/1992	5894	5894	1	Excluded
Wasatch	12/21/1992	5896	5896	1	Excluded

**WELL HISTORY****Remedial Cementing – April 1991**

- TD'd on March 31, 1991.

- As noted, bridged off while displacing primary cement job and left 1247' of cement in the casing.
- Drilled out cement to PBTD of 6103'.
- Ran CBL showing TOC at 5402'.
- Shot four squeeze holes at 5427', acidized and gained circulation, set CICR at 5320'.
- Cemented with 420 sx. Silicalite lead and 330 sx. Class G tail. TOC at 1620' by temperature log.
- Drilled out CICR and cement, then cleaned out to PBTD.
- Pumped a top job down 8.625" X 5.5" annulus using 205 sx Class G cement and 10 bbl water for flush.
- Suspended operations pending completion work.

#### **Completion – January 1993**

- Perforated gross Wasatch interval 4933' through 5896' with 3.125" casing gun, 14 holes. Broke down and balled out with 925 gal 15% HCl, then fractured with 59,978 gals gel containing 230,100# 20/40 mesh sand.
- On production 1/93, IP 750 MCF, 18 CK, FTP 375#, CP 400#.

#### **Workover #1 – May 1997**

- Cleaned out to 6141' and landed tubing at 5886'.
- Acidized with 1000 gal 7.5% HCl and ball sealers.
- Swabbed well to kick off, RTP.

#### **Workover #2 – June 2006**

- Pulled tubing and cleaned out to 5000' with scraper. Due to wax in the well, ran tubing to 5000' and circulated hot water with hot oiler to clean wellbore.
- Set CIBP at 4900' with 2 sx cement on top, new PBTD at 4877'.
- Attempted to pressure test casing, but well took 5 BPM at 580 psi.
- Went in hole with a packer to commence isolating apparent leaks. After extensive testing, the leaks were found to begin below 2712', with casing testing to 1000 psi above 2685'. The bottom of the leaks was not isolated.
- Set RBP at 2696' and ran a CBL from 2650' to surface.
- Perforated the Bird's Nest of the Green River Formation at 1652-1660'.
- Set packer at 1579' and swabbed well checking water samples. TDS was in the 6000-7000 mg/l range, which is significantly less than Bird's Nest samples collected from numerous other wells in the immediate. The well was drilled with aerated water and had a significant volume of water and mud spacer expelled into the Bird's Nest during cementing operations. **These samples are believed to be contaminated. A more reasonable TDS value would be between 15000-25000 mg/l.**

Pulled packer, retrieved RBP, landed tubing at 4874'. Well TA'd

Well history from 2006 and on (see attached .PDF file)

## **WORKOVER PROCEDURE April 2014 (Repair Casing Leak)**

### **Procedure Outline:**

Note: Will need to have tools for fiberlined tubing (stabbing guide, rabbit, and mastic) 2 7/8" tubing, a 5 1/2" plug and packer, and will need to get a 2 3/8" workstring.

- MIRU. Kill well and NDWH. Release packer and POOH standing back FL tubing (**Note: this well has the fiberline tubing (expensive) so be careful when handling and standing back. Check the lining while POOH**). Visually inspect hanger, tubing, and packer. Weatherford has been contacted to bring a new 5 1/2" nickel plated packer to swap out (will probably need to call for timing).
- RIH with a 5 1/2" packer and plug to isolate casing leak. There are some existing squeeze perfs @ 1450' and 1460' that were squeezed off in Jan 2009. Establish an injection rate @ 500 psi. (**Note: during a MIT test on the well (3/18/2014), the casing would not hold 500 psi. Pressure would bleed off if not pumping into it. Could only pump a few gpm into the leak during the MIT test.**)
- Squeeze the leak (get with engineering on squeeze procedure).
- RIH, drill out, and test the casing to 500 psi for 30 minutes. Once you get a test, clean out to PBTD 2139'. Collect samples to have analyzed.
- POOH laying down work string.
- RIH with new packer and 2 7/8" Fiberline injection string to same depth as before ±1601' (Contact Steve Wall for questions on running the tubing, he has run this tubing before, plus see attached documents). Circulate well with packer fluid and set packer.
- Have BC Quick test on location to run a mechanical integrity (MI) test. Pressure up casing to 500 psi for 30 minutes and have it charted and signed. (Note: have Russell Shaw on location to witness and to bring the chart to Robert Miller to send to the EPA.

RDMOL. **Note: Do not return well to injection until the EPA gives approval to initiate injection again**

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UO-1194-AST	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
<b>1. TYPE OF WELL</b> Water Disposal Well	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>8. WELL NAME and NUMBER:</b> CIGE 114
<b>PHONE NUMBER:</b> 720 929-6114	<b>9. API NUMBER:</b> 43047319150000
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1931 FSL 0535 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 34 Township: 09.0S Range: 21.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
	<b>COUNTY:</b> UINTAH
	<b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 3/19/2015	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="RADIO SITE"/>

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

Kerr-McGee Oil & Gas Onshore, LP has installed a 60 foot self-support radio tower at coordinates 39 deg 56 31.19 N, 109 deg 30 36.29 W and it is referred to by Kerr-McGee as the South Tower. This is a repeater site which communicates only with other sites within the Natural Buttes Unit Lease. It does not communicate to any site outside of the lease boundary. Please see the attached summary, map and original onsite documentation for details.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 March 23, 2015

<b>NAME (PLEASE PRINT)</b> Kristina Geno	<b>PHONE NUMBER</b> 720 929-6824	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 3/19/2015	

Kerr-McGee Oil & Gas Onshore, LP has installed a 60 foot self-support radio tower at coordinates 39°56'31.19"N, 109°30'36.29"W and it is referred to by Kerr-McGee as the South Tower. This is a repeater site which communicates only with other sites within the Natural Buttes Unit Lease. It does not communicate to any site outside of the lease boundary.

The equipment housed on the tower is as follows:

One 11 Ghz Radio  
Three 5.8 Ghz Radios  
One 2.4 Ghz Radio  
Three 5.2 Ghz Radios

The South Tower connects with the following site locations:

NBU 281 tower: 39°59'18.40"N, 109°28'12.60"W  
Love 16D tower: 39°51'57.40"N, 109°34'48.95"W  
Sage Grouse Compressor: 39°54'4.66"N, 109°28'13.91"W  
Bitter Creek Compressor: 39°56'3.98"N, 109°28'54.10"W  
CIGE 114 SWD Injection Well: 39°59'25.58"N, 109°31'48.47"W  
NBU 921-34K SWD Injection Well: 39°59'31.21"N, 109°32'21.13"W  
East Bench Compressor: 39°54'27.72"N, 109°27'57.64"W  
South Compressor: 39°56'57.02"N, 109°33'12.17"W

Attached is the original onsite documentation and location plats for this repeater site as well as a location diagram of the South Tower Site as it is currently located. Thank you.



**Greater Natural Buttes**

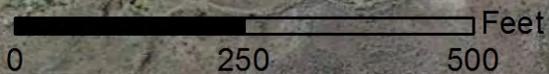
**Tower: South Tower**

Scale: 1:2,500

Projection: NAD83 SP UT Central

Date: 5 Jan 2015

Author: Regulatory GIS





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

1368 South 1200 East Vernal Utah 84078  
Telephone: 435 789 4433 Fax: 435 789 4436

February 5, 2003

Bureau of Land Management  
170 South 500 East  
Vernal, Utah 84078  
Fax (435) 781-4410

Attention: Byron Tolman:

The on-site date has been scheduled for the Repeater Site as we discussed earlier today. Please meet at the BLM office at 8:00 am., February 7, 2003, for the following:

**REPEATER SITE #1:            NESE SEC. 14, T10S, R21E**  
**REPEATER SITE #2:            SESE SEC. 14, T10S, R21E**

Should need additional information, or have any questions, please do not hesitate to contact me at (435) 781-7023.

Sincerely,

Cheryl Cameron  
Westport Oil & Gas Company, L.P.

cc:    Clay Einerson                    Mitch Phillips  
      Carroll Wilson                Les Streeb  
      Sam Prutch                     Carroll Estes  
      Tracy Henline                 Robert Kay (435) 789-1813

**Westport Oil & Gas Company  
Rocky Mountain Division of Environmental Affairs**

**Date of Onsite: February 7, 2003**

LOCATION: Repeater Site #2 \_\_\_\_\_ TIME & WEATHER: 9:15, Sunny Cold

ACCESS: Is this well within the 100 Yr. Flood Plain? Yes  No

Any improvement(s) to existing access \_\_\_\_\_

Planned Access Roads: Develop as two-track only.

Ownership (BIA): BLM

Turnouts, Low Water Crossings, Major Cuts & Fills, Bridges, or Culverts? \_\_\_\_\_

Gates, Cattle Guards, or Fences? \_\_\_\_\_

**FACILITIES**

Pit Liner: \_\_\_\_\_

Pipeline Location: \_\_\_\_\_

**OTHER:**

Catchments Dams: \_\_\_\_\_

Wildlife Stipulations: Antelope stipis waived

Special Arch/Paleo Monitoring: waved by BLM

Other Misc: Tower to have no guy-wires to eliminate risks to raptors.

**Westport Oil & Gas Company  
Rocky Mountain Division of Environmental Affairs**

**Date of Onsite: February 7, 2003**

LOCATION: Repeater Site #1 \_\_\_\_\_

TIME & WEATHER: 9:00 Sunny, Cold

**ACCESS:**

Is this well within the 100 Yr. Flood Plain? Yes  No

Any improvement(s) to existing access \_\_\_\_\_

Planned Access Roads: \_\_\_\_\_

Ownership (BIA): \_\_\_\_\_

Turnouts, Low Water Crossings, Major Cuts & Fills, Bridges, or Culverts? \_\_\_\_\_

Gates, Cattle Guards, or Fences? \_\_\_\_\_

**FACILITIES**

Pit Liner: \_\_\_\_\_

Pipeline Location: \_\_\_\_\_

**OTHER:**

Catchments Dams: \_\_\_\_\_

Wildlife Stipulations: \_\_\_\_\_

Special Arch/Paleo Monitoring: \_\_\_\_\_

Other Misc: Repeater site 1 was eliminated because of terrain problems w/ road



T10S, R21E, S.L.B.&M.

EL PASO  
PRODUCTION OIL & GAS COMPANY

Well location, REPEATER SITE #1, located as shown in the NE 1/4 SE 1/4 of Section 14, T10S, R21E, S.L.B.&M. Uintah County, Utah.

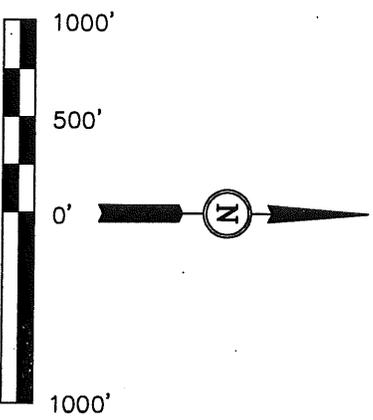
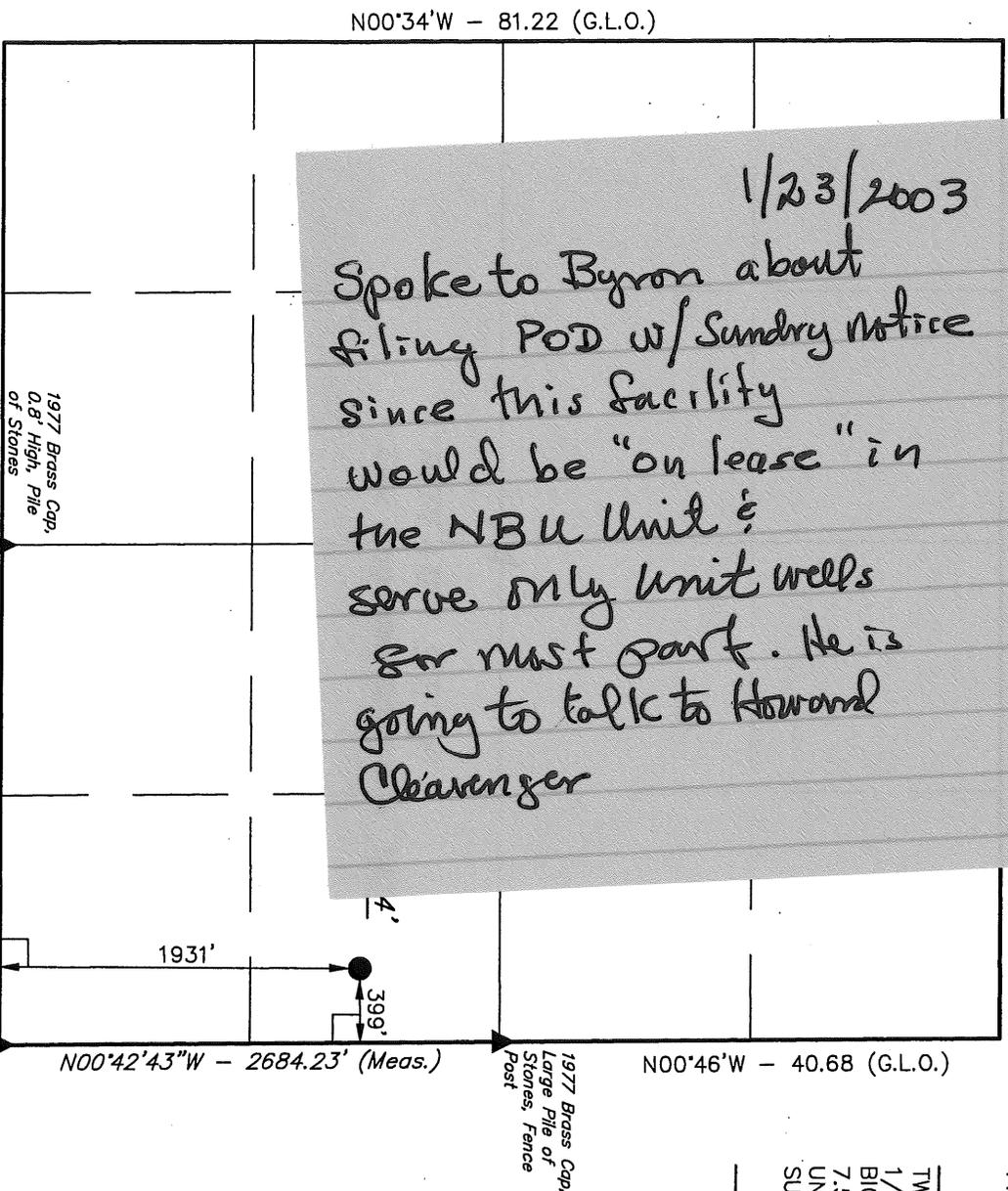
BASIS OF ELEVATION

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

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

1/23/2003  
Spoke to Byron about filing POD w/ Sundry notice since this facility would be "on lease" in the NBU Unit & serve only unit wells for most part. He is going to talk to Howard Clearinger



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.

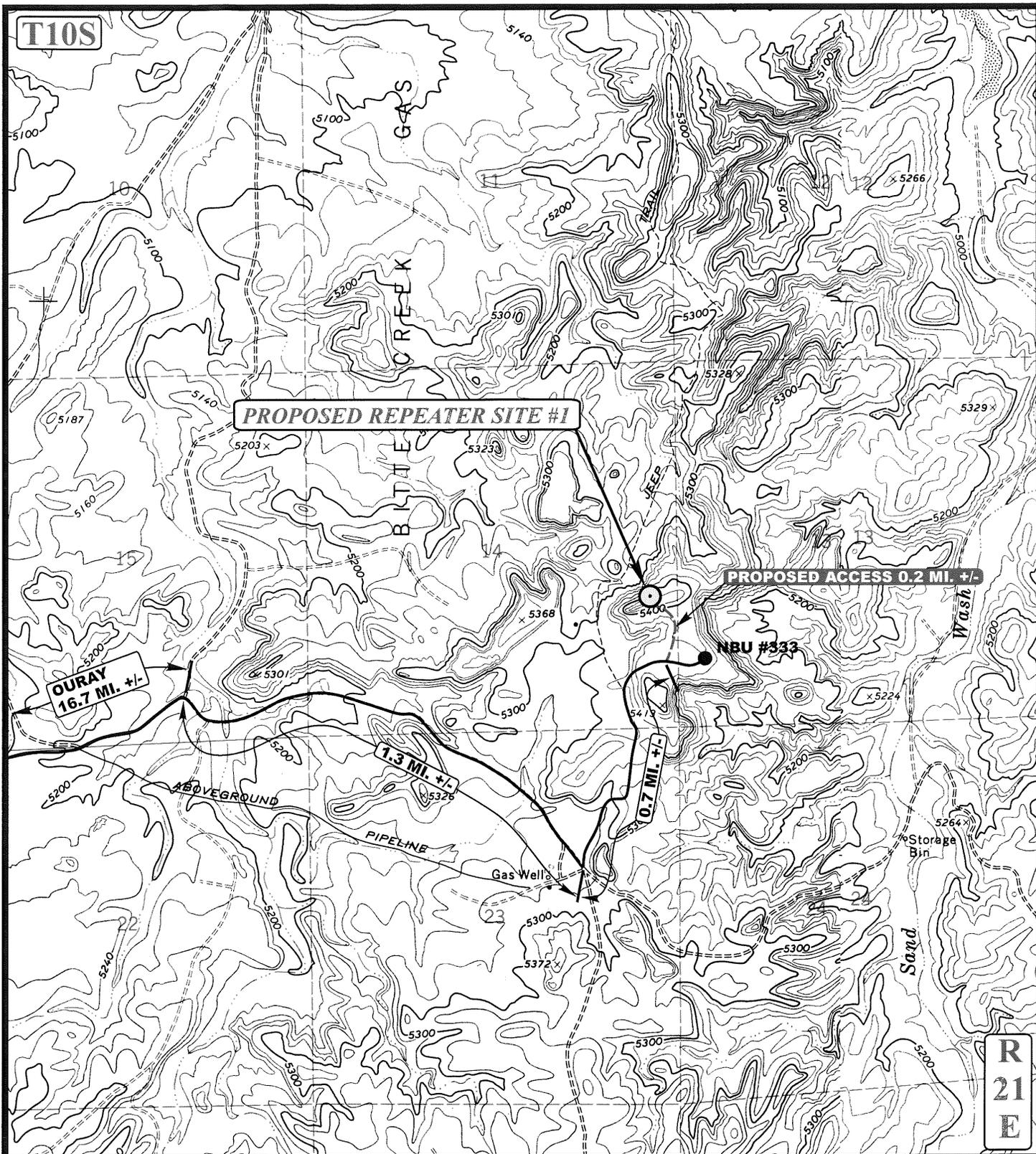
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 161319  
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING  
85 SOUTH 200 EAST - VERNAL, UTAH 84078  
(435) 789-1017

LEGEND:  
 — = 90° SYMBOL  
 ● = PROPOSED WELL HEAD.  
 ▲ = SECTION CORNERS LOCATED.

LATITUDE = 39°56'46.06" (NAD 83)  
 LONGITUDE = 109°30'38.75" (109.510764)

SCALE	1" = 1000'	DATE SURVEYED:	11-4-02	DATE DRAWN:	11-5-02
PARTY	B.B. JR. C.G.	REFERENCES	G.L.O. PLAT		
WEATHER	COOL	FILE	EL PASO PRODUCTION OIL & GAS COMPANY		



**LEGEND:**

- EXISTING ROAD
- - - - - PROPOSED ACCESS ROAD



**EL PASO PRODUCTION OIL & GAS COMPANY**

REPEATER SITE #1  
 SECTION 14, T10S, R21E, S.L.B.&M.  
 1931' FSL 399' FEL

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

**TOPOGRAPHIC** 11 5 02  
 MAP MONTH DAY YEAR  
 SCALE: 1" = 2000' DRAWN BY: C.G. REVISED: 00-00-00



# T10S, R21E, S.L.B.&M.

## EL PASO PRODUCTION OIL & GAS COMPANY

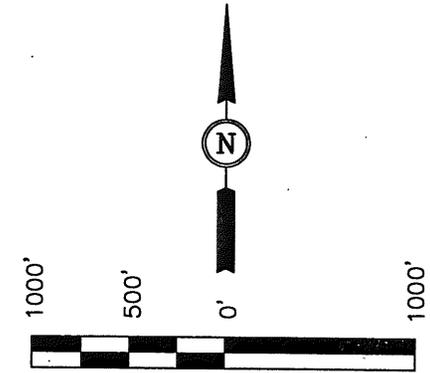
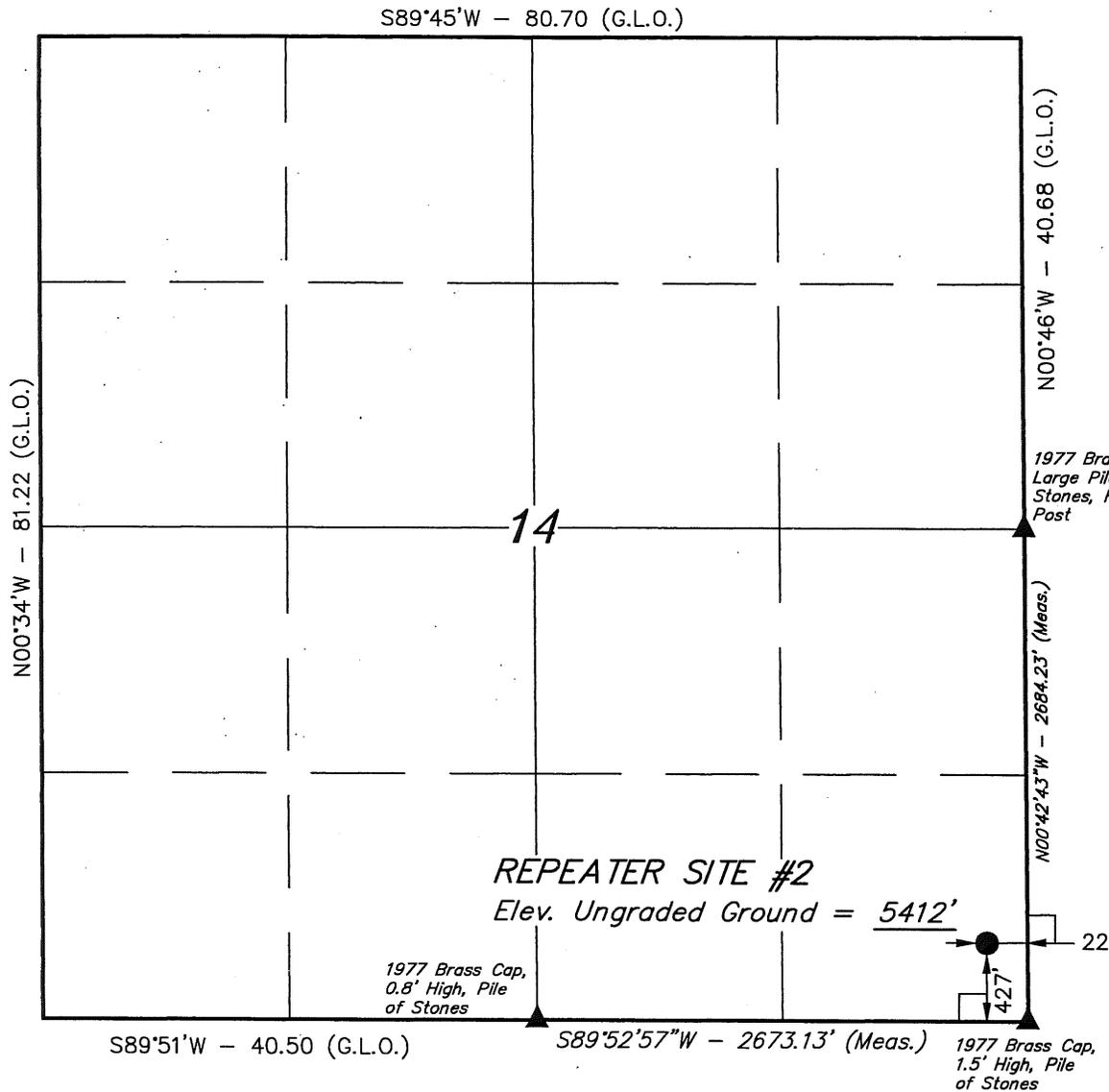
Well location, REPEATER SITE #2, located as shown in the SE 1/4 SE 1/4 of Section 14, T10S, R21E, S.L.B.&M. Uintah County, Utah.

### BASIS OF ELEVATION

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

### BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



### SCALE CERTIFICATE

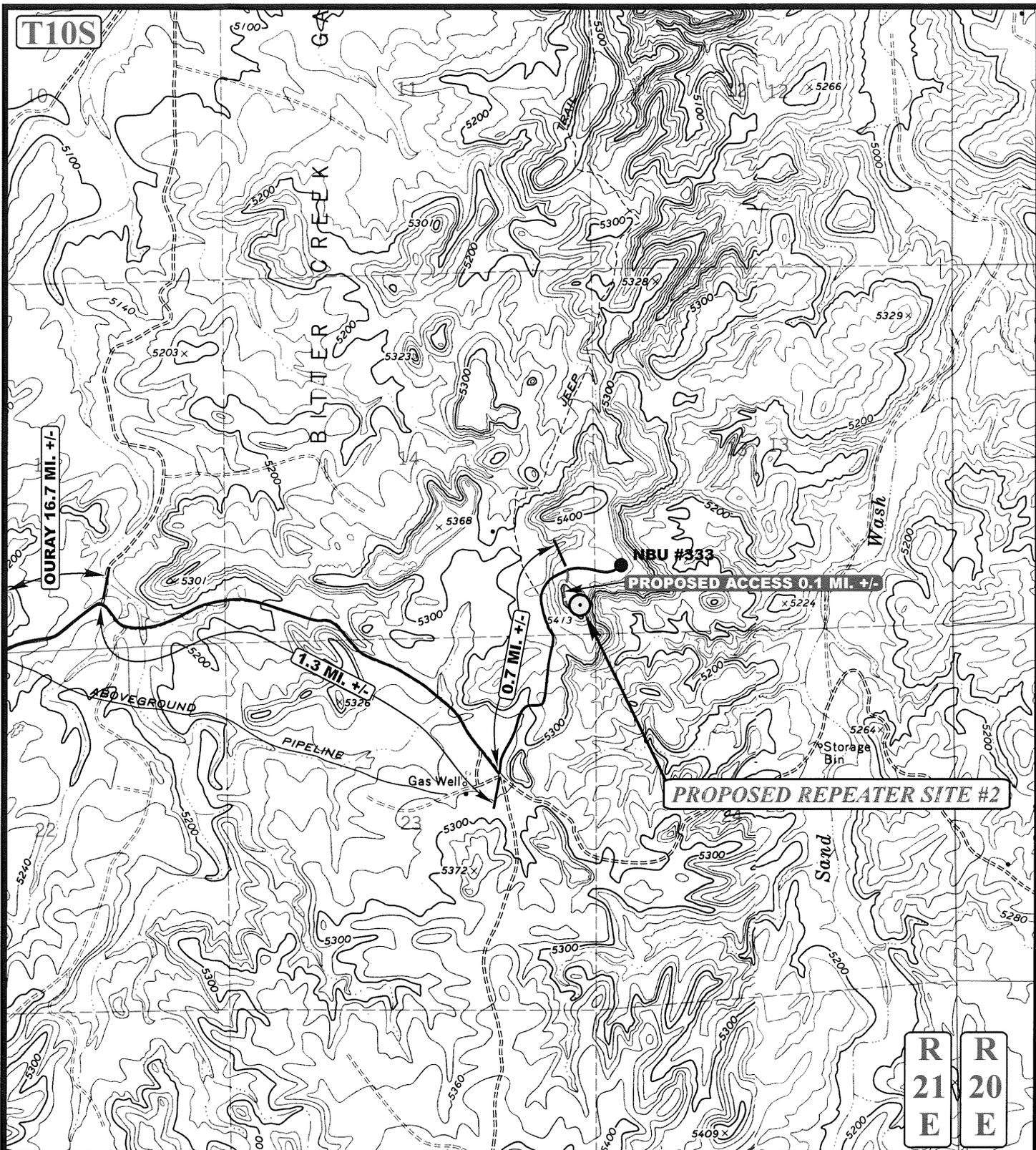
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

*Robert H. Gray*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 161319  
STATE OF UTAH

- LEGEND:**
- └─┘ = 90° SYMBOL
  - = PROPOSED WELL HEAD.
  - ▲ = SECTION CORNERS LOCATED.

(NAD 83)  
LATITUDE = 39°56'31.20" (39.942000)  
LONGITUDE = 109°30'36.19" (109.510053)

<b>UINTAH ENGINEERING &amp; LAND SURVEYING</b>		
85 SOUTH 200 EAST - VERNAL, UTAH 84078		
(435) 789-1017		
SCALE 1" = 1000'	DATE SURVEYED: 11-4-02	DATE DRAWN: 11-5-02
PARTY B.B. J.R. C.G.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE EL PASO PRODUCTION OIL & GAS COMPANY	



**LEGEND:**

- EXISTING ROAD
- - - - - PROPOSED ACCESS ROAD



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



**EL PASO PRODUCTION OIL & GAS COMPANY**

REPEATER SITE #2  
 SECTION 14, T10S, R21E, S.L.B.&M.  
 427' FSL 220' FEL

TOPOGRAPHIC MAP	11	5	02	B TOPO
	MONTH	DAY	YEAR	
SCALE: 1" = 2000'	DRAWN BY: C.G.		REVISED: 00-00-00	