

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

SUBMIT IN TRIPLA
(Other instructions on
reverse side)

FORM APPROVED
OMB NO. 1004-0136
Expires: February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

| | | |
|---|---|---|
| 1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> | | 5. LEASE DESIGNATION AND SERIAL NO. U-01791 |
| b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A |
| 2. NAME OF OPERATOR Coastal Oil & Gas Corporation | | 7. UNIT AGREEMENT NAME Natural Buttes Unit |
| 3. ADDRESS AND TELEPHONE NO. P.O. Box 749, Denver, CO 80201-0749 (303) 573-4476 | | 8. FARM OR LEASE NAME, WELL NO. CIGE 227-9-10-21 |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. *) At surface 7 th 947' FSL & 523' ^{6A} FEL (SESE) At proposed prod. zone | | 9. API WELL NO. |
| 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approximately 20.3 miles south of Ouray, Utah | | 10. FIELD AND POOL, OR WILDCAT Natural Buttes Field |
| 15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) N/A | 16. NO. OF ACRES IN LEASE 2163.60 | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 9-T10S-R21E |
| 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. See Topo Map C | 19. PROPOSED DEPTH 6200' | 12. COUNTY OR PARISH Uintah |
| 21. ELEVATIONS (Show whether DF, RT, GR, etc.) Ungraded GR = 5135.6 | 17. NO. OF ACRES ASSIGNED TO THIS WELL N/A | 13. STATE Utah |
| | | 20. ROTARY OR CABLE TOOLS Rotary |
| | | 22. APPROX. DATE WORK WILL START* Upon Approval |

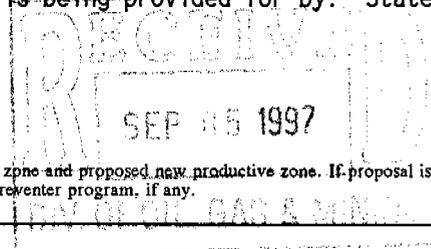
23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | GRADE SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|------------------|----------------------|-----------------|---------------|--------------------|
| See NBU SOP | | | | |
| Drilling Program | | | | |

Coastal Oil & Gas Corporation proposes to drill a well to the proposed TD as stated above. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per BLM and State of Utah requirements.

See the attached Drilling Program and Multi-point Surface Use & Operations Plan.

Coastal Oil & Gas Corporation is considered to be the operator of the subject well. It agrees to be responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided for by: State of Utah Bond #102103 and BLM Nationwide Bond #U605382-9.



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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 Bonnie Carson TITLE Bonnie Carson Sr. Environmental Analyst DATE 9/13/97

(This space for Federal or State office use)

PERMIT NO. 43-047-32998 APPROVAL DATE _____

Application approval 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.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY John R. Baya TITLE Associate Director DATE 11/6/97
*See Instructions On Reverse Side

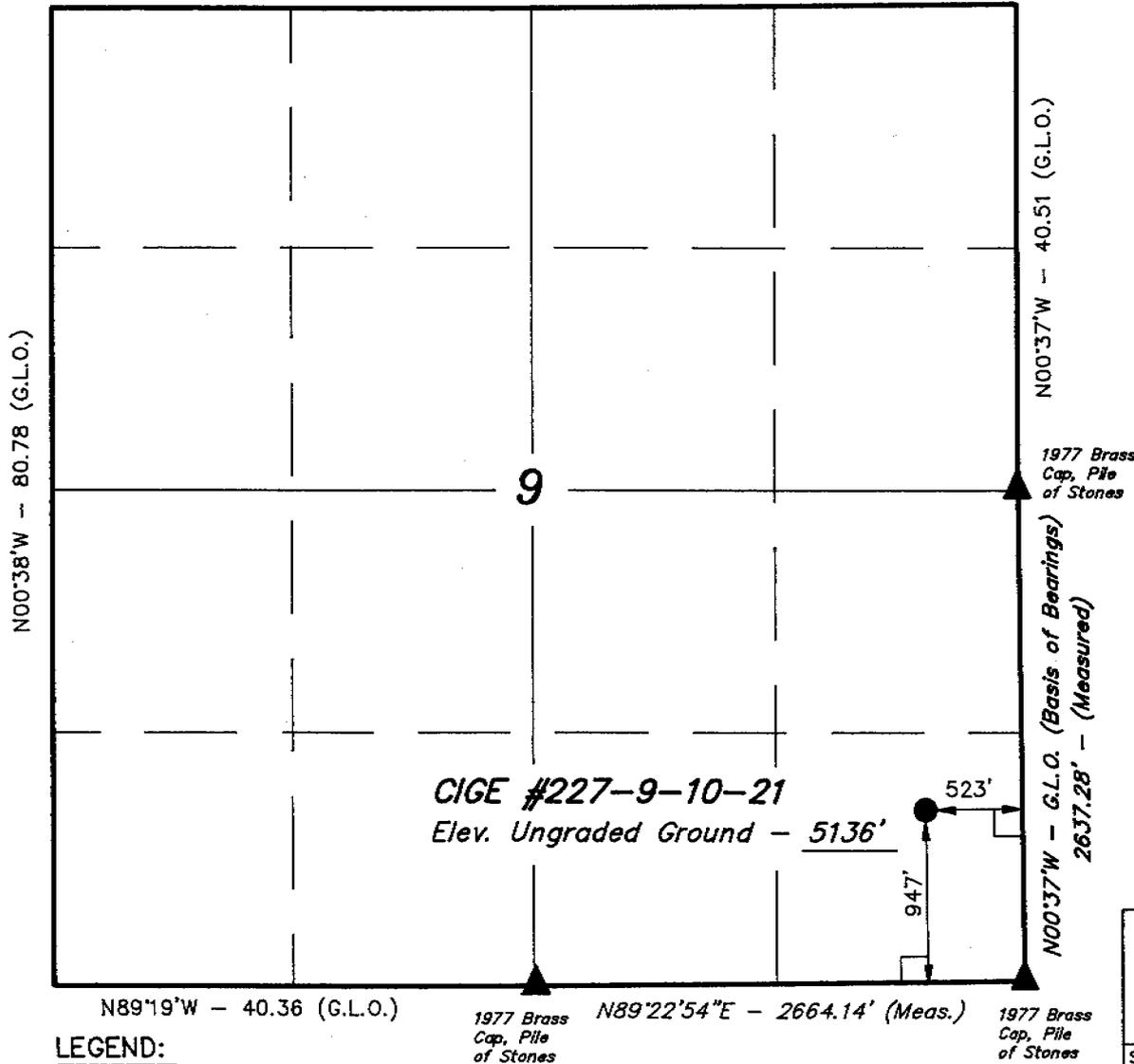
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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

COASTAL OIL & GAS CORP.

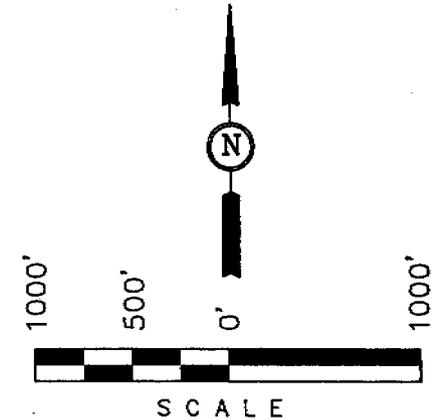
Well location, CIGE #227-9-10-21, located as shown in the SE 1/4 SE 1/4 of Section 9, T10S, R21E, S.L.B.&M., Uintah County, Utah.

S89°07'W - 80.76 (G.L.O.)



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, UTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.



CERTIFICATE

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

Robert J. Taylor
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 161319
 STATE OF UTAH

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

LEGEND:

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

| | | |
|---------------------------|---------------------------------|------------------------|
| SCALE 1" = 1000' | DATE SURVEYED: 1-20-97 | DATE DRAWN: 2-12-97 |
| PARTY B.B. D.R. C.B.T. | REFERENCES G.L.O. PLAT | |
| WEATHER COLD | FILE COASTAL OIL & GAS CORP. | |

**CIGE 227-9-10-21
947' FSL & 523' FEL
SE/SE, SECTION 9-T10S-R21E
UINTAH COUNTY, UTAH
LEASE NUMBER: U-01791**

**ONSHORE ORDER NO. 1
COASTAL OIL & GAS CORPORATION**

DRILLING PROGRAM

1. Estimated Tops of Important Geologic Markers:

| Formation | Depth |
|----------------------|---------|
| Duchesne River/Uinta | Surface |
| Green River | 1,310' |
| Wasatch | 4,520' |
| Total Depth | 6,200' |

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

| Substance | Formation | Depth |
|----------------|-------------|--------|
| Oil/Gas | Green River | 1,310' |
| | Wasatch | 4,520' |
| Water | N/A | |
| Other Minerals | N/A | |

3. Pressure Control Equipment:

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

4. Proposed Casing & Cementing Program:

Please see the Natural Buttes Unit SOP.

5. Drilling Fluids Program:

Please see the Natural Buttes Unit SOP.

6. Evaluation Program:

Please see the Natural Buttes Unit SOP.

7. Abnormal Conditions:

Maximum anticipated bottomhole pressure approximately equals 2,480 psi (calculated at 0.4 psi/foot).

Maximum anticipated surface pressure equals approximately 1,116 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. Anticipated Starting Dates & Notification of Operations:

Please see the Natural Buttes Unit SOP.

9. Variances:

Please see the Natural Buttes Unit SOP.

10. Other Information:

Please see the Natural Buttes Unit SOP.

**CIGE # 227-9-10-21
947' FSL & 523' FEL
SE/SE, SECTION 9, T10S-R21E
Uintah County, Utah
Lease Number: U-01791
ONSHORE ORDER NO. 1**

MULTI-POINT SURFACE USE AND OPERATIONS PLAN

An onsite inspection was conducted for the CIGE #227 on 8/26/97 at approximately 1:45 p.m. Weather conditions were partly cloudy with moderate temperatures at the time of the onsite. In attendance at the inspection were the following individuals:

| | |
|--|-------------------------------|
| Bonnie Carson | Coastal Oil & Gas Corporation |
| Bill Rawlins | Coastal Oil & Gas Corporation |
| Byron Tolman, Steve Strong, & Steve Madsen | BLM |
| Robert Kay | U.E.L.S. |
| Harley Jackson | Jackson Construction |
| Jim Justice | J-West |
| John Faucett | John E. Faucett Construction |
| Cory Stubbs | Stubbs and Stubbs |

1. Existing Roads:

The proposed well site is approximately 20.3 miles southeast of Ouray, Utah.
Directions to the location from Vernal, Utah:

Proceed in a westerly direction from Vernal, Utah, along U.S. Highway 40 approximately 14.0 miles to the junction of State Highway 88; exit left and proceed in a southerly direction approximately 17.0 miles to Ouray, Utah; proceed in a southerly direction approximately 6.9 miles on the Seep Ridge Road to the junction of this road and an existing road to the east; turn left and proceed in an easterly direction approximately 5.0 miles to the junction of this road and an existing road to the north; turn left and proceed in a northerly direction approximately 0.3 miles to the junction of this road and an existing road to the northeast; turn right and proceed in a northeasterly direction approximately 3.9 miles to the junction of this road and an existing road to the south; turn right and proceed in a southerly direction approximately 1.8 miles to the junction of this road and an existing road to the southwest; turn right and proceed in a southwesterly direction approximately 1.5 miles to the junction of this road and an existing road to the south; turn left and proceed in a southerly direction approximately 0.9 miles to the junction of this road and existing road to the southwest; turn right and proceed in a southwesterly direction approximately 1.0 miles to the junction of this road and an existing road to the

northwest; turn right and proceed in a northwesterly direction approximately 0.2 miles to the beginning of the proposed access road to the southwest; follow the road flags in a southwesterly, then northwesterly direction approximately 0.2 miles to the proposed location.

Refer to Topo Maps A and B for location of access roads within a 2 mile radius.

There will be no improvement to existing access roads.

2. Planned Access Roads

Please see the Natural Buttes Unit Standard Operating Procedure.

Please see Map B to determine the location of the proposed access road.

3. Location of Existing Wells Within a 1-Mile Radius: See Map C

4. Location of Existing and Proposed Facilities:

Please see the Natural Buttes Unit Standard Operating Procedure.

Please see Map D to determine the location of the proposed pipeline.

5. Location and Type of Water Supply

Please see the Natural Buttes Unit Standard Operating Procedure.

6. Source of Construction Materials

Please see the Natural Buttes Unit Standard Operating Procedure.

7. Methods of Handling Waste Materials

Please see the Natural Buttes Unit Standard Operating Procedure.

8. Ancillary Facilities

Please see the Natural Buttes Unit Standard Operating Procedure.

9. Well Site Layout: See Location Layout Diagram

A Location Layout Diagram is attached. It describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

The reserve pit will not be lined.

10. Plans for Reclamation of the Surface

Please see the Natural Buttes Unit Standard Operating Procedure.

The following seed mixture will be used to reclaim the surface. A total of 12# per acre will be used if the seeds are drilled (Twice as much seed will be used per acre if the seed is broadcast). Per acre requirements (drilled) are:

| | |
|---------------------|----|
| galleta | 2# |
| shadscale | 3# |
| four wing salt bush | 4# |
| Nuttal's salt bush | 3# |

11. Surface Ownership

Well pad and access road: The well pad and access road are located on lands owned by:

United States of America
Bureau of Land Management
170 South 500 East
Vernal, Utah 84078
(801) 789-1362

12. Other Information

A Class III archaeological survey was conducted by Metcalf Archaeological Consultants on April 8, 1997. A copy of this report was submitted directly to the appropriate agencies by Metcalf Archaeological Consultants. Cultural resource clearance was recommended for this location.

Burrowing owl stipulation: There will be no construction or drilling during the period from April 1 to July 15.

Critical Soils: Because of the presence of critical soils, there will be no construction during those periods when the soil is wet or muddy.

A dam will be constructed at the bottom of the drainage leading north out of the location. The BLM surface representative (Byron Tolman: (801) 781-4482) will be notified prior to construction of the dam.

13. Lessee's or Operators's Representative and Certification

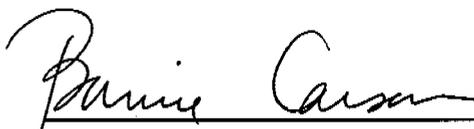
Bonnie Carson
Senior Environmental Analyst
Coastal Oil & Gas Corporation
P.O. Box 749
Denver, CO 80201-0749
(303) 573-4476

Tom Young
Drilling Manager
Coastal Oil & Gas Corporation
9 Greenway Plaza, Suite 2770
Houston, TX 77046
(713) 877-7044

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

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.



Bonnie Carson

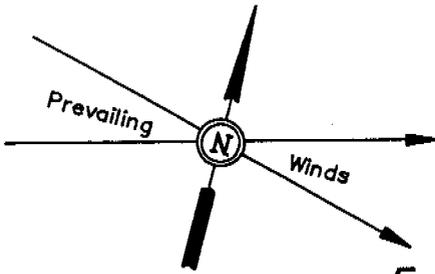
9/3/97

Date

COASTAL OIL & GAS CORP.

LOCATION LAYOUT FOR

CIGE #227-9-10-21
SECTION 9, T10S, R21E, S.L.B.&M.
947' FSL 523' FEL



F-1.7'
El. 30.8'

F-3.9'
El. 28.6'

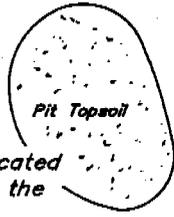
F-10.4'
El. 22.1'

Sta. 3+25

SCALE: 1" = 50'
DATE: 2-12-97
Drawn By: C.B.T.
Revised: 8-26-97 C.G.

NOTE:

Flare Pit is to be located a min. of 100' from the Well Head.



C-4.1'
El. 36.6'

C-4.0'
El. 36.5'

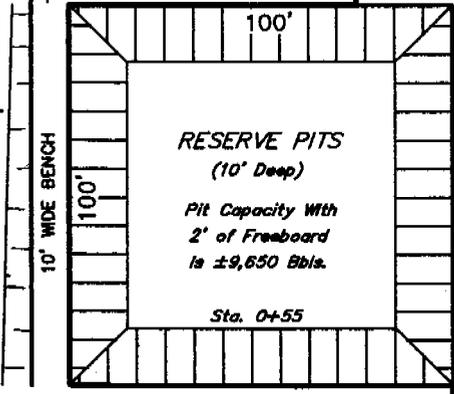
C-3.1'
El. 35.6'

El. 36.1'
C-13.6'
(btm. pit)

Sta. 1+50

F-3.5'
El. 29.0'

Approx. Top of Cut Slope



El. 38.2'
C-15.7'
(btm. pit)

Reserve Pit Backfill & Spoils Stockpile
El. 37.2'
C-4.7'

C-4.8'
El. 37.3'

Sta. 0+00

C-3.0'
El. 35.5'

F-3.7'
El. 28.8'

Proposed Access Road

FIGURE #1

NOTES:

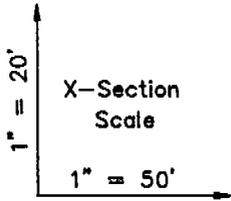
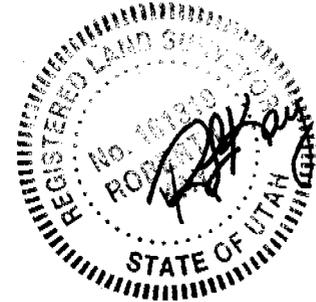
Elev. Ungraded Ground At Loc. Stake = 5135.6'

FINISHED GRADE ELEV. AT LOC. STAKE = 5132.5'

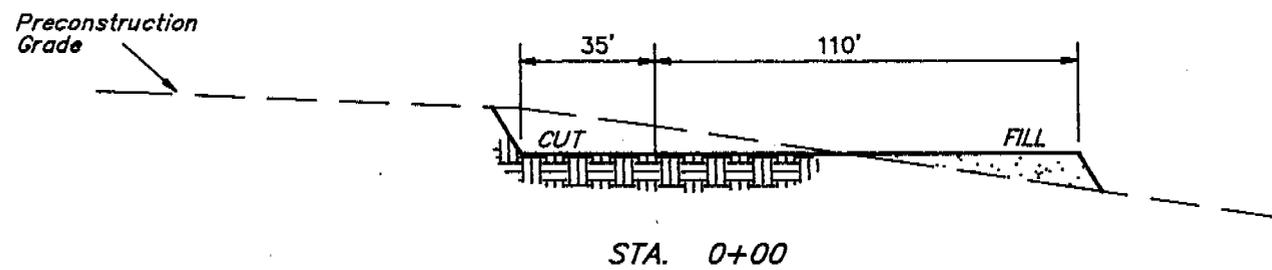
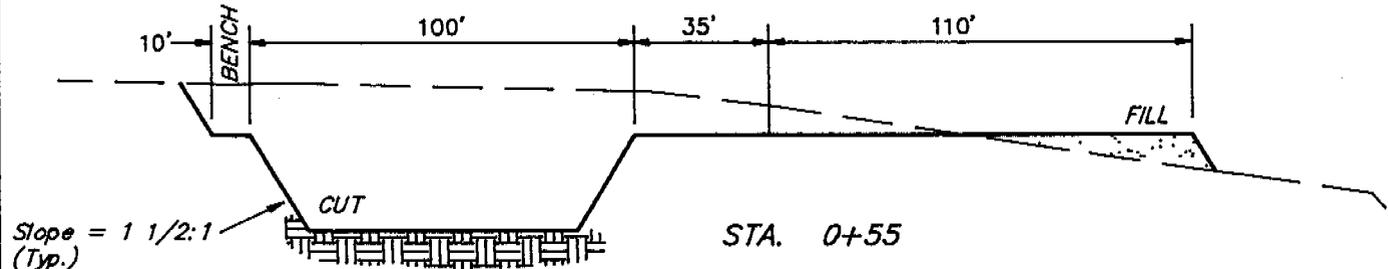
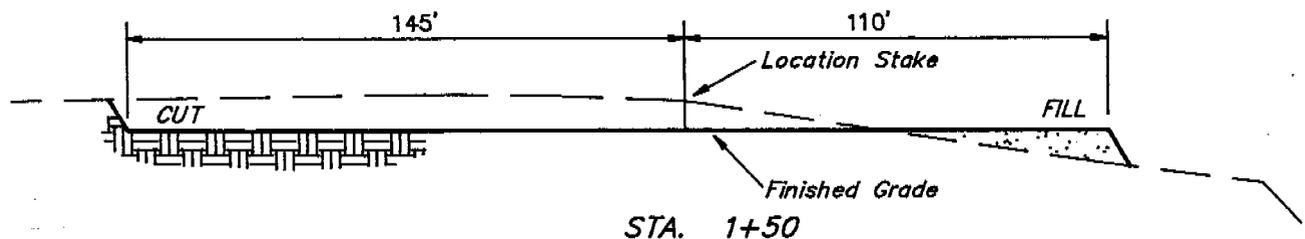
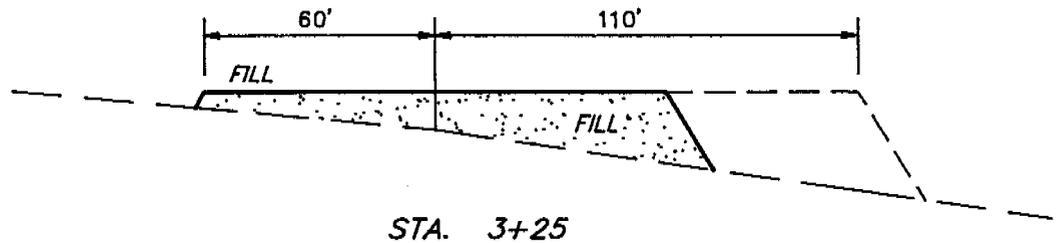
COASTAL OIL & GAS CORP.

TYPICAL CROSS SECTIONS FOR

CIGE #227-9-10-21
SECTION 9, T10S, R21E, S.L.B.&M.
947' FSL 523' FEL



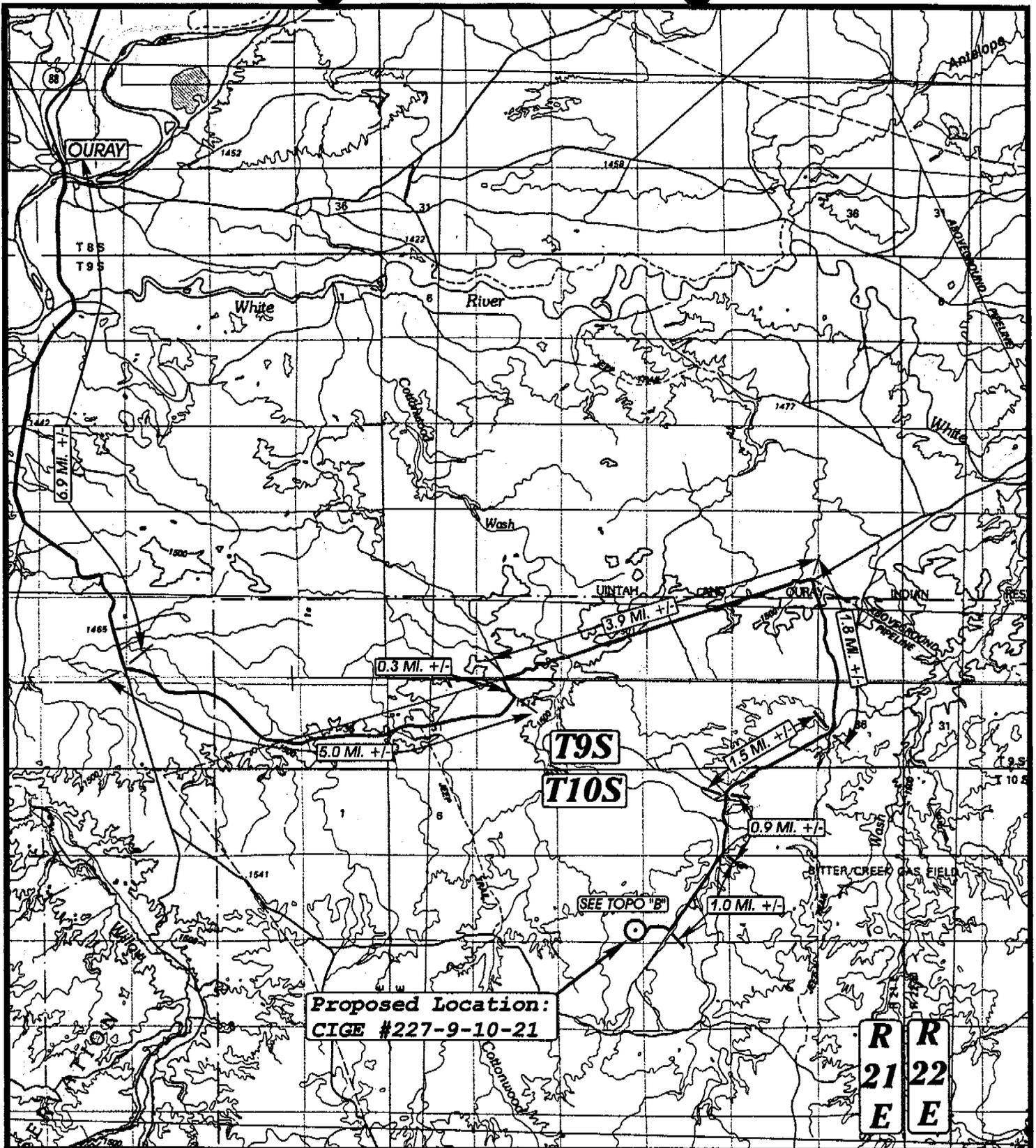
DATE: 2-12-97
Drawn By: C.B.T.
Revised: 3-12-97 C.B.T.



APPROXIMATE YARDAGES

| | | | |
|------------------------|---|----------------|---|
| CUT | | | |
| (6") Topsoil Stripping | = | 1,140 Cu. Yds. | EXCESS MATERIAL AFTER 5% COMPACTION |
| Remaining Location | = | 6,160 Cu. Yds. | = 2,480 Cu. Yds. |
| TOTAL CUT | = | 7,300 CU.YDS. | Topsoil & Pit Backfill (1/2 Pit Vol.) |
| FILL | = | 4,580 CU.YDS. | = 2,480 Cu. Yds. |
| | | | EXCESS UNBALANCE (After Rehabilitation) |
| | | | = 0 Cu. Yds. |

FIGURE #2



UELS

**TOPOGRAPHIC
MAP "A"**

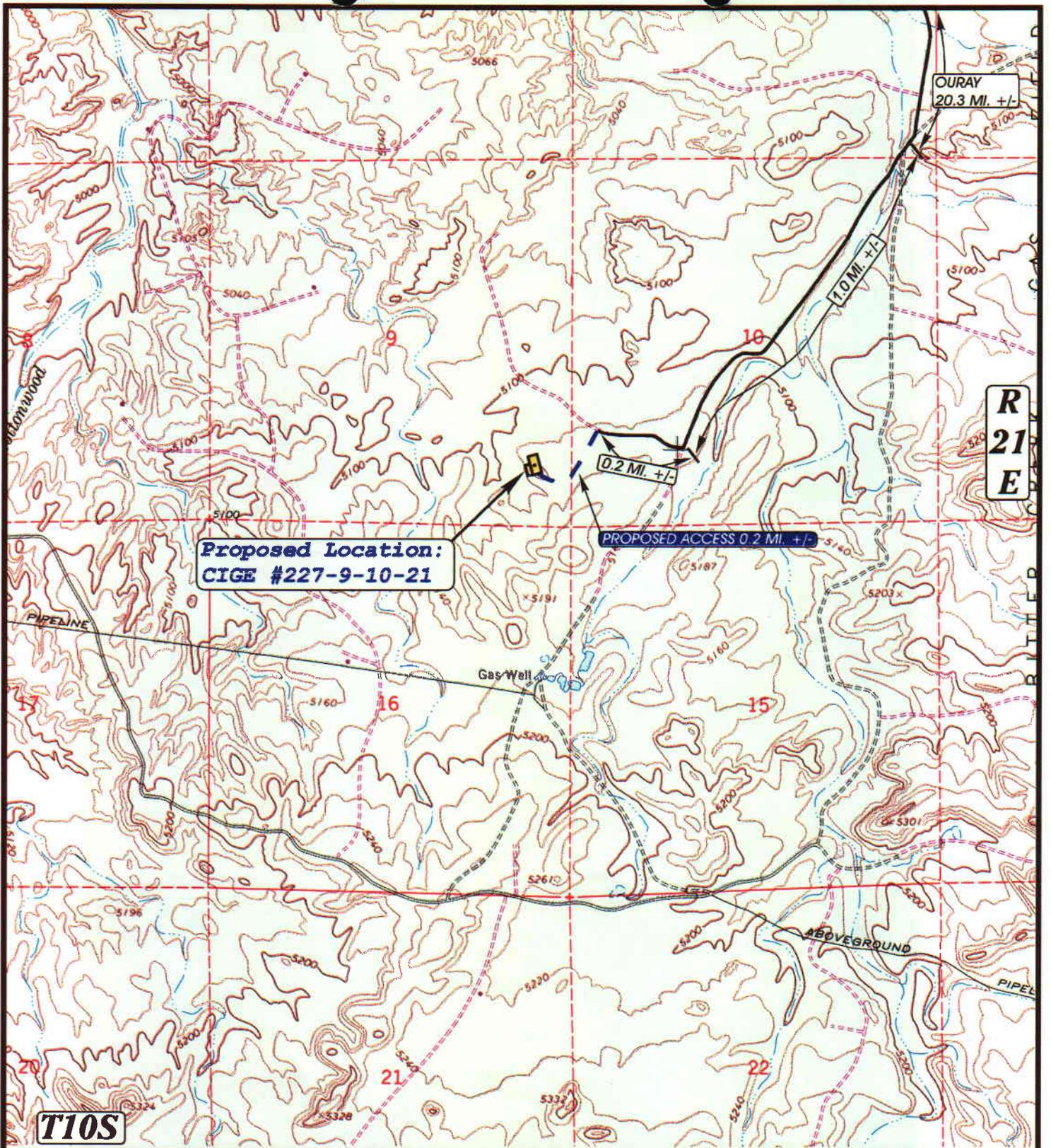
DATE: 1-24-97
Drawn by: J.L.G.



COASTAL OIL & GAS CORP.

CIGE #227-9-10-21
SECTION 9, T10S, R21E, S.L.B.&M.
947' FSL 523' FEL

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017



T10S

UELS

**TOPOGRAPHIC
MAP "B"**

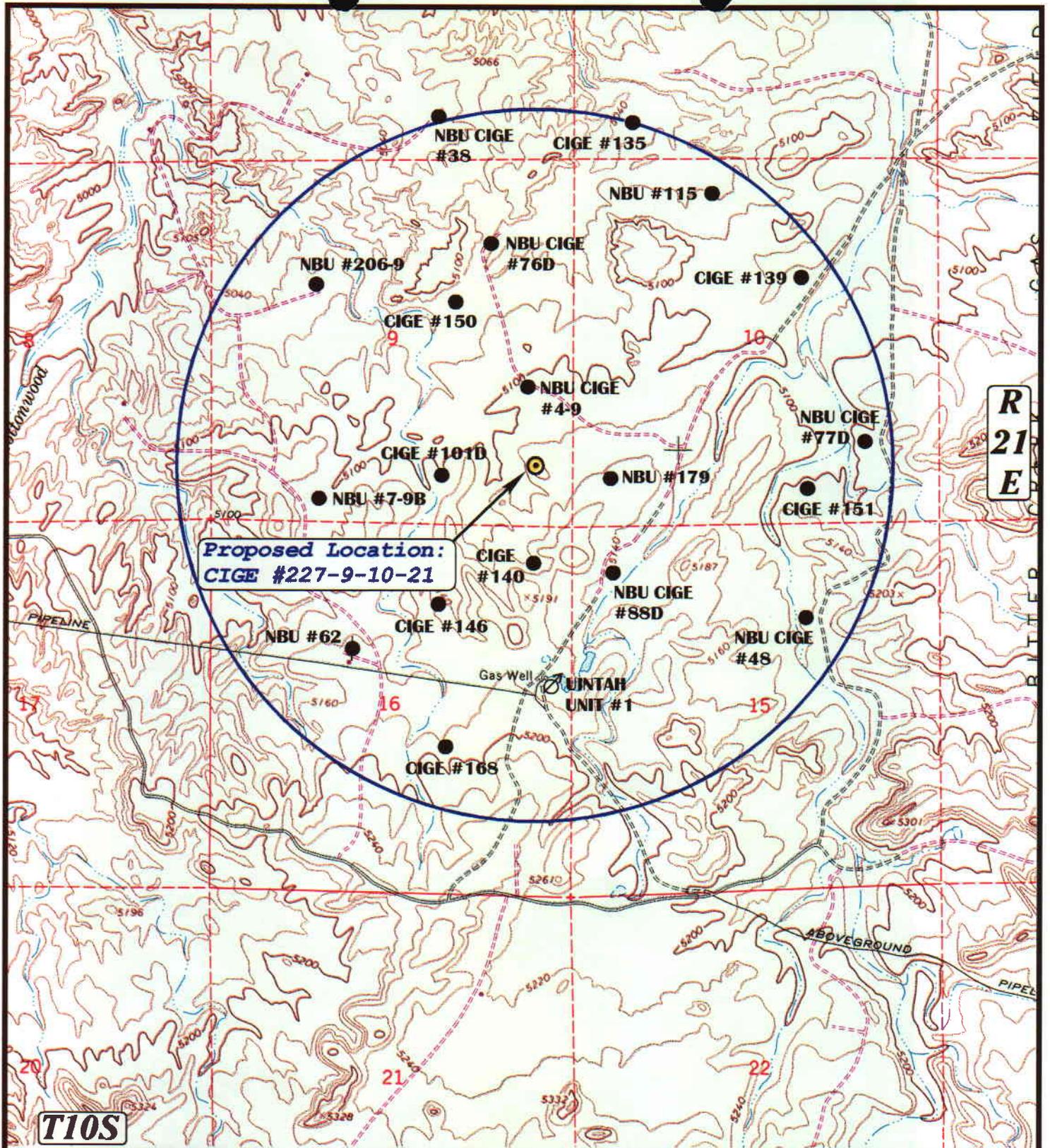
**DATE: 1-24-97
Drawn by: J.L.G.**



COASTAL OIL & GAS CORP.

**CIGE # 227-9-10-21
SECTION 9, T10S, R21E, S.L.B.&M.
947' FSL 523' FEL**

SCALE: 1" = 2000'



Proposed Location:
CIGE #227-9-10-21

UELS

- Water Wells
- Abandoned Wells
- Temporarily Abandoned Wells
- Disposal Wells
- Drilling Wells
- Producing Wells
- Shut-in Wells

LEGEND:
 Water Wells
 Abandoned Wells
 Temporarily Abandoned Wells
 Disposal Wells
 Drilling Wells
 Producing Wells
 Shut-in Wells



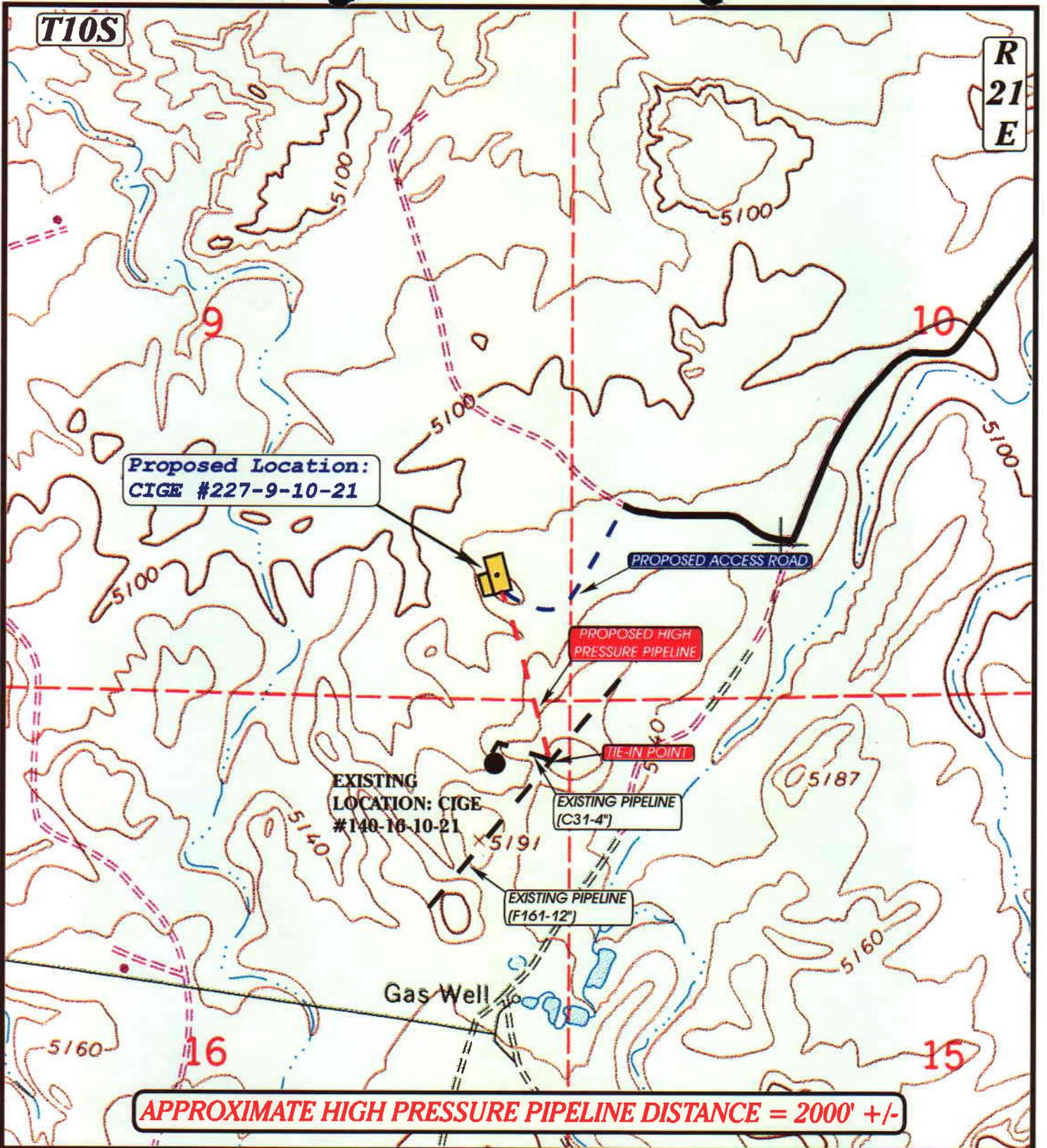
Uintah Engineering & Land Surveying
 85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017

SCALE: 1" = 2000'

COASTAL OIL & GAS CORP.
CIGE # 227-9-10-21
SECTION 9, T10S, R21E, S.L.B.&M.
TOPOGRAPHIC MAP "C"
 DATE: 1-24-97
 Drawn by: J.L.G.

T10S

R
21
E



UEIS

**TOPOGRAPHIC
MAP "D"**

--- Existing Pipeline
 - - - Proposed Pipeline



SCALE: 1" = 1000'

COASTAL OIL & GAS CORP.

CIGE # 227-9-10-21
SECTION 9, T10S, R21E, S.L.B.&M.

DATE: 3-9-97

Drawn by: D.COX

REVISED: 8-10-97 D.COX

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 09/05/97

API NO. ASSIGNED: 43-047-32998

WELL NAME: CIGE 227-9-10-21
OPERATOR: COASTAL OIL & GAS (N0230)

PROPOSED LOCATION:

SESE 09 - T10S - R21E
SURFACE: 0947-FSL-0523-FEL
BOTTOM: 0947-FSL-0523-FEL
UINTAH COUNTY
NATURAL BUTTES FIELD (630)

LEASE TYPE: FED
LEASE NUMBER: U - 01791

PROPOSED PRODUCING FORMATION: WSTC

| INSPECT LOCATION BY: / / | | |
|--------------------------|----------|------|
| TECH REVIEW | Initials | Date |
| Engineering | | |
| Geology | | |
| Surface | | |

RECEIVED AND/OR REVIEWED:

Plat
 Bond: Federal State Fee
(Number 4605382-9)
 Potash (Y/N)
 Oil shale (Y/N)
 Water permit
(Number 43-8496)
 RDCC Review (Y/N)
(Date: _____)

LOCATION AND SITING:

R649-2-3. Unit: NATURAL BUTTES
____ R649-3-2. General.
____ R649-3-3. Exception.
____ Drilling Unit.
____ Board Cause no: _____
____ Date: _____

COMMENTS:

STIPULATIONS:

Oil shale

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

U-01791

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

Natural Buttes Unit

8. Well Name and No.

CIGE 227-9-10-21

9. API Well No.

10. Field and Pool, or exploratory Area

Natural Buttes Field

11. County or Parish, State

Uintah UT

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Coastal Oil & Gas Corporation

3. Address and Telephone No.

P.O. Box 749, Denver, CO 80201-0749 (303) 573-4455

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

947' FSL & 523' FEL
Section 9-T10S-R21E

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

TYPE OF SUBMISSION

- Notice of Intent
 Subsequent Report
 Final Abandonment Notice

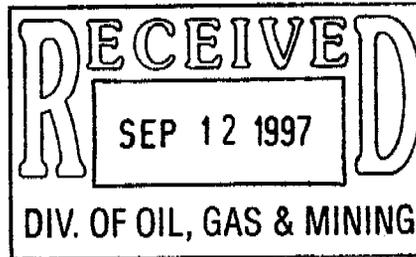
TYPE OF ACTION

- Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other Pipeline
- 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.)*

The proposed pipeline will be installed as per the Natural Buttes Standard Operating Procedure. The pipeline will leave the well pad in a southerly direction for an approximate distance of 2000' and tie into an existing pipeline. Please see Topo Map D.



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

Signed Sheila Bremer

Sheila Bremer

Title Environmental & Safety Analyst

Date September 8, 1997

(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

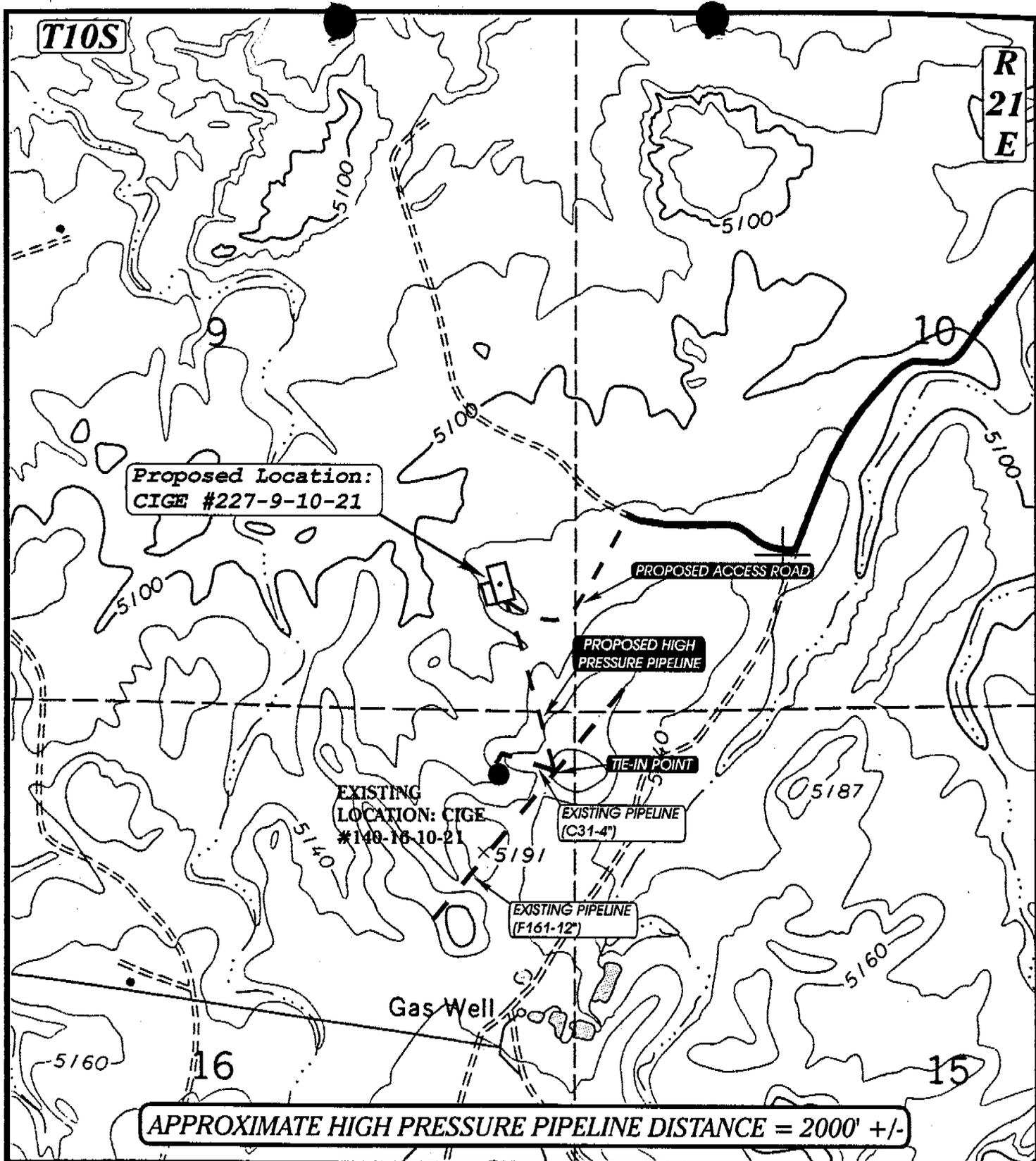
Conditions of approval, if any:

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

* See Instruction on Reverse Side

T10S

R
21
E



APPROXIMATE HIGH PRESSURE PIPELINE DISTANCE = 2000' +/-

UE
Ls

**TOPOGRAPHIC
MAP "D"**

--- Existing Pipeline
 - - - Proposed Pipeline



SCALE: 1" = 1000'

COASTAL OIL & GAS CORP.

CIGE # 227-9-10-21
 SECTION 9, T10S, R21E, S.L.B.&M.

DATE: 3-9-97

Drawn by: D.COX

REVISED: 8-10-97 D.COX

UINTAH ENGINEERING & LAND SURVEYING
 85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017

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 to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT - " for such proposals

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

5. Lease Designation and Serial No.
U-01791

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

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

8. Well Name and No.
CIGE 227-9-10-21

9. API Well No.
42-047-32998

10. Field and Pool, or exploratory Area
Natural Buttes Field

11. County or Parish, State
Uintah UT

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Coastal Oil & Gas Corporation

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
947' FSL & 523' FEL
Section 9-T10S-R21E

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

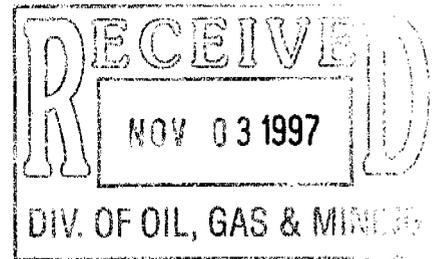
| TYPE OF SUBMISSION | TYPE OF ACTION |
|--|---|
| <input checked="" type="checkbox"/> Notice of Intent | <input type="checkbox"/> Abandonment |
| <input type="checkbox"/> Subsequent Report | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/>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

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

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

Operator proposes changing the TD from the TD described in the APD to 6,800'.

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



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

Signed Bonnie Carson Title Environmental Analyst Date October 28, 1997

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

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



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
James W. Carter
Division Director

1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

November 6, 1997

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

Re: CIGE 227-9-10-21 Well, 947' FSL, 523' FEL, SE SE, Sec. 9,
T. 10 S., R. 21 E., Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-32998.

Sincerely,

John R. Baza
Associate Director

lwp

Enclosures

cc: Uintah County Assessor
Bureau of Land Management, Vernal District Office

Operator: Coastal Oil & Gas Corp.
Well Name & Number: CIGE 227-9-10-21
API Number: 43-047-32998
Lease: U-01791
Location: SE SE Sec. 9 T. 10 S. R. 21 E.

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jim Thompson at (801)538-5336.

Notify the Division prior to commencing operations to plug and abandon the well. Contact John R. Baza (801)538-5334.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. In accordance with the Order in Cause No. 190-5(b) dated October 28, 1982, the operator shall comply with the requirements of Rule R649-3-31 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the 4½" casing is cemented over the entire oil shale section as defined by Rule R649-3-31.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK
 DRILL DEEPEN

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER

SINGLE ZONE MULTIPLE ZONE

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 (Report location clearly and in accordance with any State requirements.)
 At surface
 947' FSL & 523' FEL (SESE)
 At proposed prod. zone

5. LEASE DESIGNATION AND SERIAL NO.
 U-01791

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 N/A

7. UNIT AGREEMENT NAME
 Natural Buttes Unit

8. FARM OR LEASE NAME, WELL NO.
 CIGE 227-9-10-21

9. API WELL NO.

10. FIELD AND POOL, OR WILDCAT
 Natural Buttes Field

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Section 9-T10S-R21E

12. COUNTY OR PARISH
 Uintah

13. STATE
 Utah

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SEP 08 1997

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approximately 20.3 miles south of Ouray, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) N/A

16. NO. OF ACRES IN LEASE
 2163.60

17. NO. OF ACRES ASSIGNED TO THIS WELL
 N/A

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. See Topo Map C

19. PROPOSED DEPTH
 6200'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF,KT, GR, etc.)
 Ungraded GR = 5135.6

22. APPROX. DATE WORK WILL START*
 Upon Approval

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | GRADE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|------------------|-------|----------------|-----------------|---------------|--------------------|
| See NBU SOP | | | | | |
| Drilling Program | | | | | |

Coastal Oil & Gas Corporation proposes to drill a well to the proposed TD as stated above. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per BLM and State of Utah requirements.

See the attached Drilling Program and Multi-point Surface Use & Operations Plan.

Coastal Oil & Gas Corporation is considered to be the operator of the subject well. It agrees to be responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided for by: State of Utah Bond #102103 and BLM Nationwide Bond #U605382-9.

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NOV 20 1997

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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. Bonnie Carson
 SIGNED Bonnie Carson TITLE Sr. Environmental Analyst DATE 9/13/97
 DIV. OF OIL, GAS & MINING

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

PERMIT NO. _____ APPROVAL DATE _____
 Application approval 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.
 CONDITIONS OF APPROVAL, IF ANY:
 APPROVED BY [Signature] TITLE Assistant Field Manager DATE OCT 30 1997
Mineral Resources

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

316080 200-1125

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Coastal Oil & Gas Corporation

Well Name & Number: CIGE 227-9-10-21

API Number: 43-047-32998

Lease Number: U-01791

Location: SESE Sec. 09 T.10S R. 21E

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

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

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

A. DRILLING PROGRAM

1. Casing Program and Auxiliary Equipment

As a minimum, the usable water resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the shallowest potential productive zone.

**CONDITIONS OF APPROVAL
FOR THE SURFACE USE PROGRAM OF THE
APPLICATION FOR PERMIT TO DRILL**

- The reserve pit topsoil should be piled seperately as shown on the cut sheet.
- Once the reserve pit is dry, it should be filed in and recontoured, then the pit topsoil should be respread and the pit seeded with the seed mix specified in the APD.
- All poundages are in Pure Live Seed. If the seed mixture is applied aerially, then the rates should be doubled. Reseeding will be done immediately after the topsoil is spread.
- The location topsoil piled should also be seeded immediately after the topsoil is piled in the same manner as above with the same seed mix.

Form 3160-5
(June 1990)

29 1997

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

U-01791

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

Natural Buttes Unit

8. Well Name and No.

CIGE 227-9-10-21

9. API Well No.

43-047-32998

10. Field and Pool, or exploratory Area

Natural Buttes Field

11. County or Parish, State

Uintah UT

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Coastal Oil & Gas Corporation

3. Address and Telephone No.

P.O. Box 749, Denver, CO 80201-0749 (303) 573-4455

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

947' FSL & 523' FEL
SESE, Section 9-T10S-R21E

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

TYPE OF SUBMISSION

Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other Spud Notice

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.)*

12/18/97: MIRU Bill Martin Drlg. Spud @ 10:00. Drilled 255' of 11" hole and ran 6 jts 8-5/8", 24#, J-55 csg w/Howco shoe.

12/19/97: Cmt w/Halliburton. Pmpd 20 bbls gel water ahead of 100 sx Prem+ AG w/2% CaCl2, wt. 15.6, yld 1.18. Dropped plug & displ w/14 bbls water, +/- 4 bbls cmt to surface. Hole stayed full.

Notified Wayne Bankert w/BLM.

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

Signed Sheila Bremer

Title Sheila Bremer

Environmental & Safety Analyst

Date 12/22/97

(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

Conditions of approval, if any:

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* See Instruction on Reverse Side

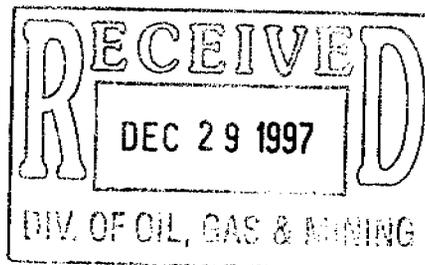
ENTITY ACTION FORM - FORM 6

| ACTION CODE | CURRENT ENTITY NO. | NEW ENTITY NO. | API NUMBER | WELL NAME | WELL LOCATION | | | | | SPUD DATE | EFFECTIVE DATE |
|--|--------------------|----------------|--------------|------------------|---------------|----|-----|-----|--------|---------------------|----------------|
| | | | | | QQ | SC | TP | RG | COUNTY | | |
| B | 99999 | 02900 | 43-047-32997 | CIGE 208-8-10-21 | SWNE | 8 | 10S | 21E | Uintah | 12/17/97 | 12/17/97 |
| WELL 1 COMMENTS: (A - CIGE) <i>Entity added 12-30-97. (Natural Buttes Unit/Wsmvd P.A.)</i> | | | | | | | | | | | |
| B | 99999 | 02900 | 43-047-32998 | CIGE 227-9-10-21 | SESE | 9 | 10S | 21E | Uintah | 12/18/97 | 12/18/97 |
| WELL 2 COMMENTS: (A - CIGE) <i>Entity added 12-30-97. (Natural Buttes Unit/Wsmvd P.A.)</i> | | | | | | | | | | | |
| B | 99999 | 02900 | 43-047-32931 | NBU 244 | NESE | 7 | 10S | 22E | Uintah | 12/19/97 | 12/19/97 |
| WELL 3 COMMENTS: (Coastal) <i>Entity added 12-30-97. (Natural Buttes Unit/Wsmvd P.A.)</i> | | | | | | | | | | | |
| 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.



Sheila Bremer
 Signature Sheila Bremer
 Title Environ. & Safety Analyst Date 12/22/97
 Phone No. (303) 573-4455

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

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Oil Well Gas Well Other

2. Name of Operator

Coastal Oil & Gas Corporation

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

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947' FSL & 523' FEL
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CIGE 227-9-10-21

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 Final Abandonment Notice

TYPE OF ACTION

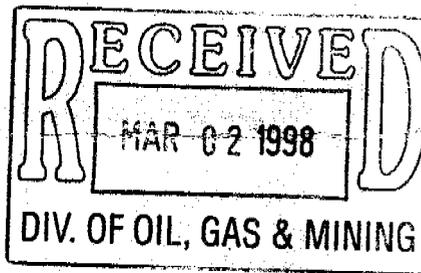
Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other First Production

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.)*

First production on subject well occurred on 2/25/98.



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

Signed Sheila Bremer

Title Sheila Bremer

Environmental & Safety Analyst

Date 2/27/98

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

REPORT NO.
1109977

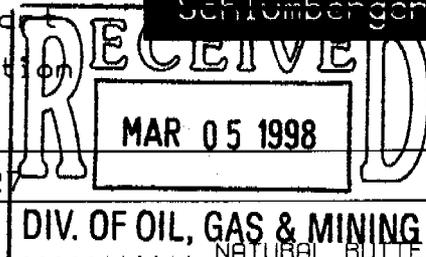
PAGE NO. 1

TEST DATE:
23-FEB-1998

STAR

Schlumberger Transient Analysis Report
Based on Model Verified Interpretation
Of a Schlumberger Well Test

Schlumberger



COMPANY: COASTAL OIL & GAS
TEST IDENTIFICATION **43 047 32998**
Test Type CH-DST
Test No. ONE **SESE**
Test Interval (ft) 5432 to 5468
Depth Reference KELLY BUSHING

WELL: CIGE # 22
WELL LOCATION
Field NATURAL BUTTES
County UINTAH
State UTAH
Sec/Twn/Rng 9/10S/21E **DRL**

HOLE CONDITIONS
Total Depth (MD/TVD) (ft) 5518
Hole Size (in) 7.875
Casing Size O.D. (in) 4.5"-11.6
Perf'd Interval/Net Pay (ft) .. -- / 32

MUD PROPERTIES
Mud Type KCL
Mud Weight (lb/gal) 8.4
Filtrate Chlorides (ppm) 10000

INITIAL TEST CONDITIONS
Initial Hydrostatic (psi) 509
Gas Cushion Type NONE
Surface Pressure (psi) --
Liquid Cushion Type NONE
Cushion Length (ft) --

TEST STRING CONFIGURATION
Tubing Size I.D. (in) 2.441
Packer Depths (ft) 5432
Bottomhole Choke Size (in) ... 0.50
Gauge Depth (ft)/Type 5438/SLSR 1050

NET PIPE RECOVERY

| Volume | Fluid Type | Properties |
|--------|------------|----------------------|
| 15 ft | WATER | Rw0.632@68F 10000ppm |
| | | |
| | | |
| | | |

NET SAMPLE CHAMBER RECOVERY

| Volume | Fluid Type | Properties |
|--------|------------|------------|
| | | |
| | | |
| | | |
| | | |

Pressure: GOR: 0 GLR: 0

INTERPRETATION RESULTS
Model of Behavior 2-POROSITY
Fluid Type Used for Analysis.. GAS
Reservoir Pressure (psi) 2490 @ 5438 Ft
Transmissibility (md.ft/cp) .. 1.08
Effective Permeability (md) .. 0.0005 (to Gas)
Skin Factor -0.28
Storativity Ratio, Omega 0.004
Interporos.Flow Coef., Lambda.. 0.33
Radius of Investigation (ft) .. 2

ROCK/FLUID/WELLBORE PROPERTIES
Gas Gravity 0.60
Impurities, N2/CO2/H2S (mol.%) 0/0/0
Liquid/Gas Ratio (STB/MMSCF) . 0
Water Cut (%) 100
Viscosity (cp) 0.0175
Total Compressibility (1/psi) . 2.808E-04
Porosity (%) 6
Reservoir Temperature (F) 145

PRODUCTION RATE DURING TEST: 7.10 MSCF/D

COMMENTS:
AN 18-Hr BOTTOMHOLE PRESSURE BUILDUP TEST WAS CONDUCTED 23-FEB-1998 TO 24-FEB-1998 AFTER FLOWING 3 HOURS. ANALYSIS OF THE DIAGNOSTIC LOG-LOG PLOT OF PRESSURE AND DERIVATIVE INDICATES THE PRESENCE OF A TWO-POROSITY SYSTEM WITH SKIN AND VARIABLE WELLBORE STORAGE EFFECTS AT EARLY TIME AND TRANSITIONAL FLOW REGIME AT MID TO LATE TIME. THE BUILDUP WAS MATCHED USING A TWO-POROSITY (SLABS) RESERVOIR MODEL WITH SKIN AND VARIABLE WELLBORE STORAGE (SEE ANALYSIS RESULTS AND PLOTS, PAGES 2-6). THE RADIUS OF INVESTIGATION FOR THE MATCH IS ONLY 2-FT. THIS VALUE, WHEN CONSIDERED TOGETHER WITH THE EXTREMELY LOW PERMEABILITY EFFECTIVE TO GAS AND NEGLIGIBLE SKIN FACTOR (-0.2), SUGGESTS THAT ONLY THE DAMAGED AREA NEAR THE WELLBORE WAS "SEEN" DURING THIS TEST, THUS, THE PERMEABILITY CALCULATED IS THE PERMEABILITY OF THE DAMAGED AREA. ANOTHER TEST IS RECOMMENDED, AFTER LONGER PRODUCTION OR STIMULATION TREATMENT. QUESTIONS ABOUT THIS REPORT SHOULD BE DIRECTED TO DEBORA HALLFORD AT (303) 843-9090.

REPORT NO.
1109977

PAGE NO. 2

CALCULATIONS
GAS WELL
LOG-LOG ANALYSIS

Schlumberger

LOG [DELTA M(P)] VS. LOG (DELTA T) PLOT

TWO-POROSITY SYSTEM WITH TRANSIENT INTERPOROSITY FLOW
SKIN AND VARIABLE WELLBORE STORAGE
PD VS. TD/CD

DATA IDENTIFICATION

FLOW PERIOD = 2, BUILDUP
M(P) = 71072 PSI**2/CP @ DELTA T=0
FLOW RATE CHANGE = 7.100 MSCF/D

TYPE-CURVE MATCH

CURVE MATCH, CD*E(2S) = 0.0835139
STORATIVITY RATIO, OMEGA = 3.974E-03
TRANSITION CURVE, LAMBDA*E(-2S) = 5.8115E-01
Skin(ma) = 0.249228
PRESSURE MATCH, PD/DELTA M(P) = 3.095E-09 1/(PSI**2/CP)
TIME MATCH, (TD/CD)/DELTA T = 29.648 1/HR

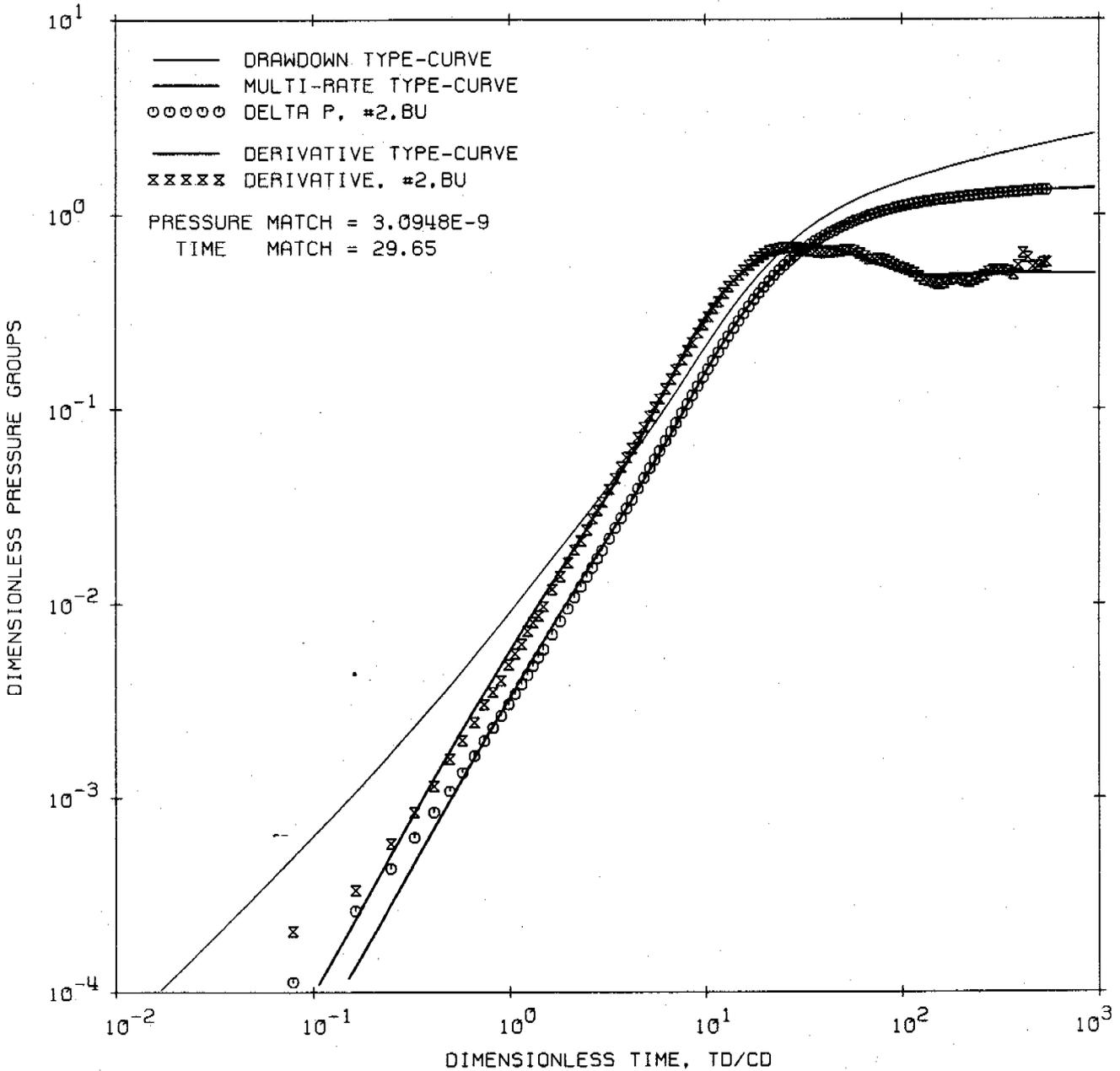
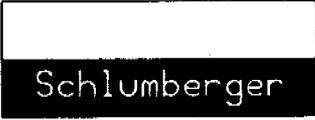
CALCULATIONS

KH 0.01890 MD.FT
KH/MU 1.079 MD.FT/CP
K 5.250E-04 MD
C 1.074E-05 BBL/PSI
CD 0.1470
LAMBDA 0.330166
SKIN, S -0.2826
RADIUS OF INVESTIGATION ... 2.119 FT (@ 3 HR)

COMMENTS

USING TWO-POROSITY (SLABS), INFINITE SYSTEM RESERVOIR
MODEL WITH SKIN AND VARIABLE WELLBORE STORAGE ;
Ca/C=55.5 (1) 2.97 (2) CoD=20 (1) 4.6 (2)

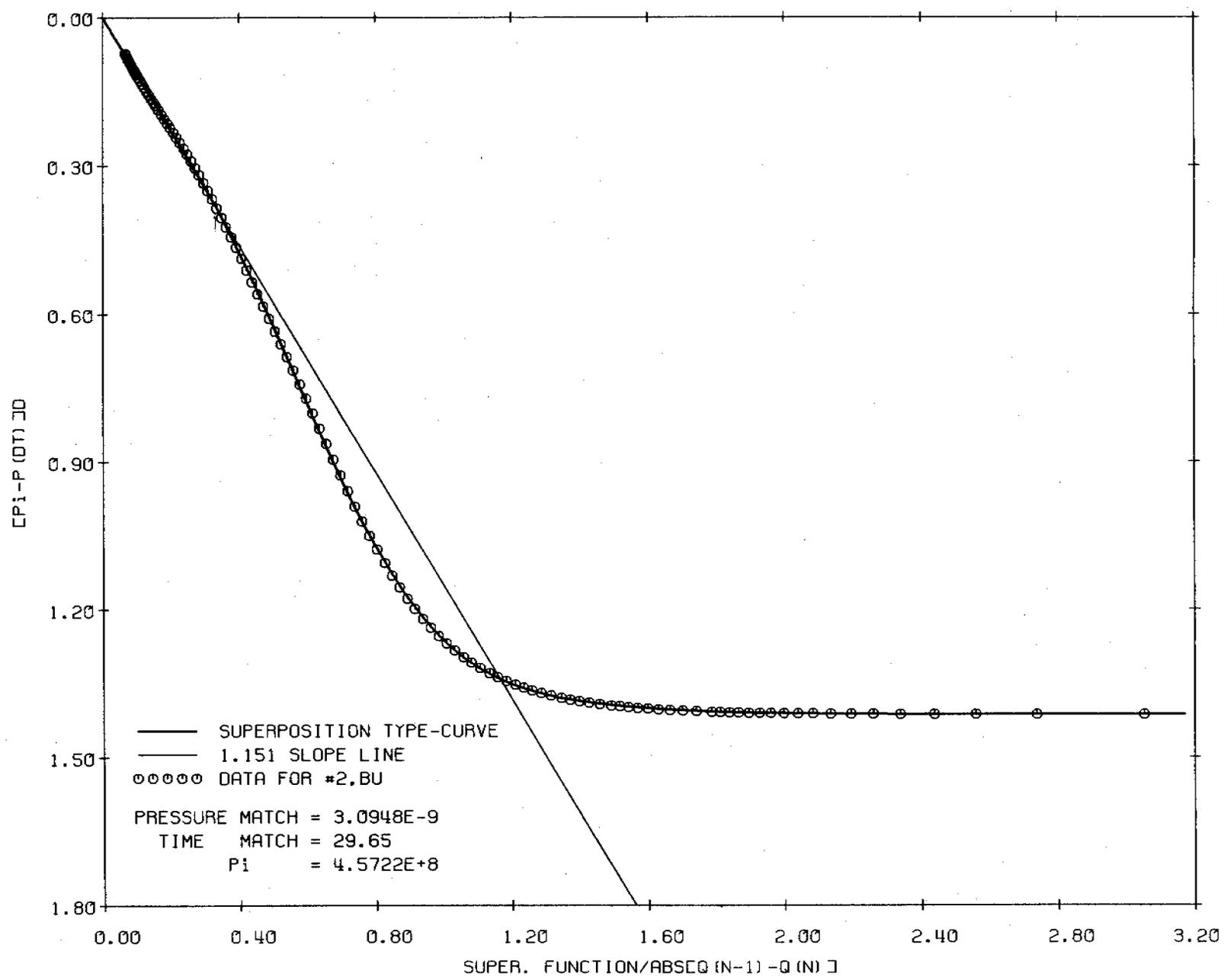
DIMENSIONLESS MULTI-RATE
PLOT: LOG-LOG MATCH FOR
#2.BU



TYPE-CURVE : 2-POROSITY (SLABS), SKIN & VARIABLE WBS
 INFINITE SYSTEM ; CD*E (2S) = 8.35E-02 OMEGA = 3.97E-3 LAM*E (-2S) = .58

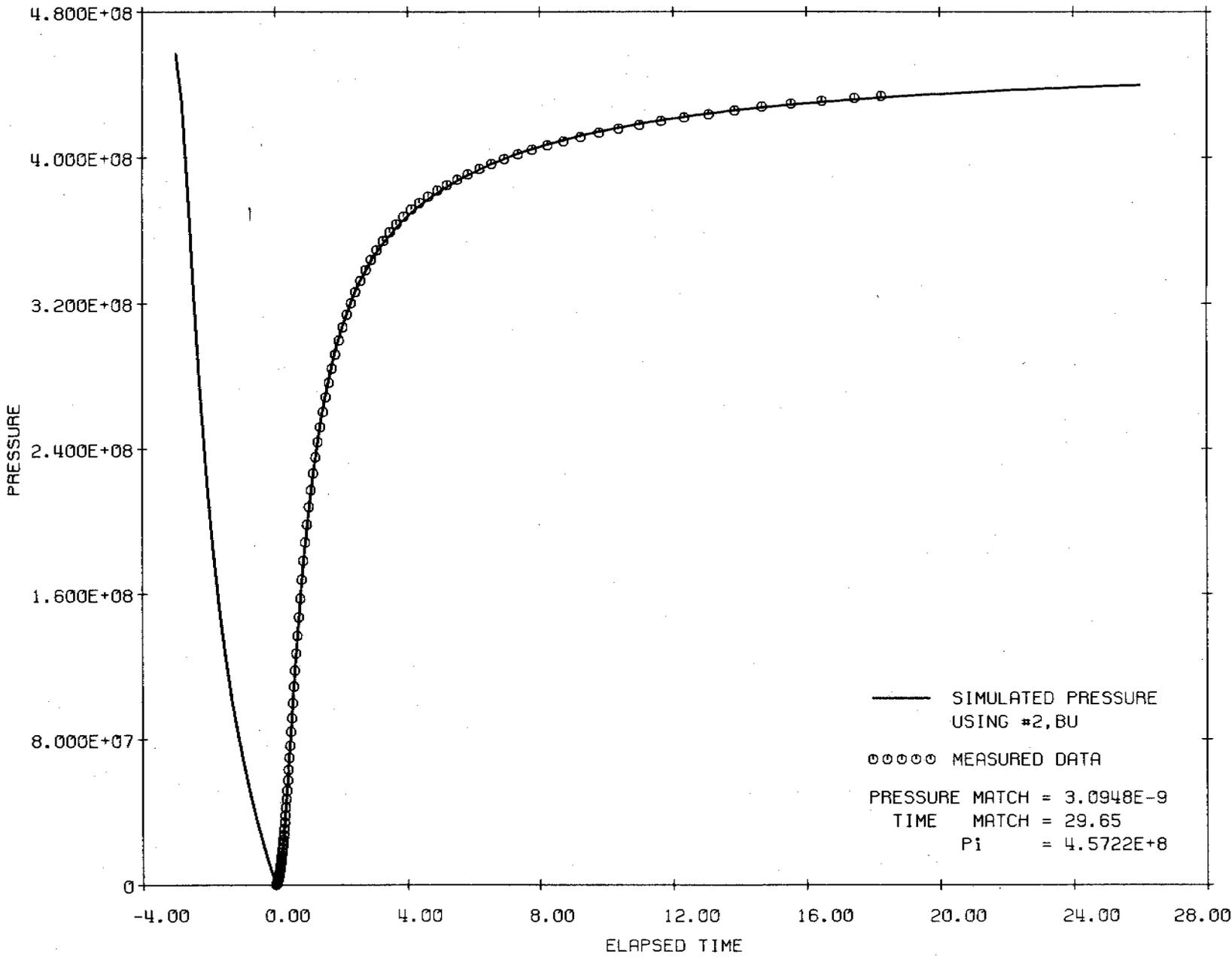
DIMENSIONLESS SUPERPOSITION
PLOT FOR
#2, BU

Schlumberger



TYPE-CURVE : 2-POROSITY (SLABS), SKIN & VARIABLE WBS
 INFINITE SYSTEM ; CD*E (2S) = 8.35E-02 OMEGA = 3.97E-3 LAM*E (-2S) = .58

PRESSURE HISTORY MATCH
SIMULATION



TYPE-CURVE : 2-POROSITY (SLABS), SKIN & VARIABLE WBS
 INFINITE SYSTEM ; CD*E (2S) = 8.35E-02 OMEGA = 3.97E-3 LAM*E (-2S) = .58

REPORT NO.
1109977

PAGE NO. 6

FLOWRATE DATA
USED IN ANALYSIS
CIGE #227

Schlumberger

Page 1 of 1

ET VS. FLOWRATE

USING PRODUCTION DATA MEASURED DURING TESTING
CIGE #227 - CH-DST CONDUCTED 23-FEB-1998

| | ET (hrs) PRIOR TO BUILDUP TEST | GAS FLOWRATE (MSCF/D) |
|---|--------------------------------|-----------------------|
| 1 | -3.0000 | 7.1000 |
| 2 | 0.00000E-01 | 0.00000E-01 |

ANY INTERPRETATIONS OR RECOMMENDATIONS ARE OPINIONS AND NECESSARILY BASED ON INFERENCES AND EMPIRICAL FACTORS AND ASSUMPTIONS, WHICH ARE NOT INFALLIBLE. ACCORDINGLY, SCHLUMBERGER - GEOQUEST CANNOT AND DOES NOT WARRANT THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATION OR MEASUREMENT. UNDER NO CIRCUMSTANCES SHOULD ANY INTERPRETATION OR MEASUREMENT BE RELIED UPON AS THE SOLE BASIS FOR ANY DRILLING, COMPLETION, WELL TREATMENT OR PRODUCTION DECISION OR ANY PROCEDURE INVOLVING RISK TO THE SAFETY OF ANY DRILLING VENTURE, DRILLING RIG OR ITS CREW OR ANY OTHER INDIVIDUAL. THE CUSTOMER HAS FULL RESPONSIBILITY FOR ALL DRILLING, COMPLETION, WELL TREATMENT, AND PRODUCTION PROCEDURES, AND ALL OTHER ACTIVITIES RELATING TO THE DRILLING OR PRODUCTION OPERATION.

THIS IS SCHLUMBERGER'S MODEL-VERIFIED (t_m) INTERPRETATION REPORT. WITH MODEL-VERIFIED (t_m) INTERPRETATION, THE GOAL OF THE SCHLUMBERGER ANALYST IS TO CONSTRUCT A TOTAL SYSTEM RESERVOIR MODEL THAT MATCHES ALL OF YOUR WELL TEST DATA. THIS PROVIDES YOU WITH RELIABLE ANSWERS THAT YOU CAN HAVE CONFIDENCE IN.

FROM THE DIAGNOSTIC LOG-LOG PLOT OF PRESSURE AND PRESSURE DERIVATIVE, THE SCHLUMBERGER ANALYST IDENTIFIES THE FLOW REGIMES GOVERNED BY THE INNER BOUNDARY CONDITIONS, BASIC RESERVOIR BEHAVIOR, AND OUTER BOUNDARY CONDITIONS. A RESERVOIR MODEL IS THEN CONSTRUCTED AND THE TEST DATA ARE MATCHED TO IT. IN ORDER TO VERIFY THE QUALITY OF THE MATCH, THE THEORETICAL MODEL RESPONSE (TYPE CURVE) AND THE TEST DATA ARE PLOTTED TOGETHER. THE PRESENTATION OF THE MATCH CAN BE SHOWN IN ANY OF THREE DIFFERENT FORMS.

- 1) LOG-LOG PLOT (DELTA PRESSURE AND DERIVATIVE vs. DELTA TIME)
- 2) SEMI-LOG PLOT (PRESSURE vs. SUPERPOSITION TIME)
- 3) CARTESIAN PLOT (PRESSURE vs. TIME)

SCHLUMBERGER USES SUPERPOSITION TECHNIQUES (MULTI-RATE ANALYSIS) TO ACCOUNT FOR THE WELL'S PRIOR PRODUCTION HISTORY. ESPECIALLY IN CASES WHERE THE PRIOR PRODUCTION IS ERRATIC OR UNUSUAL, SUPERPOSITION IS THE ONLY MEANS OF PROVIDING AN ACCURATE TYPE CURVE MATCH OF THE WELL TEST DATA. FOR GAS WELLS, THE PSEUDO-PRESSURE TECHNIQUE IS USED TO ACCOUNT FOR THE CHANGE IN GAS PROPERTIES WITH CHANGING PRESSURE.

IN SOME INSTANCES, THE WELL TEST DATA WILL NOT BE UNIQUE, i.e., MORE THAN ONE RESERVOIR MODEL WILL MATCH THE TEST DATA. THE MOST APPROPRIATE MODEL CAN BE DETERMINED AS WE WORK WITH YOU AND DISCUSS THE AREA LITHOLOGY AND GEOLOGY.

THE RESERVOIR ANSWERS DERIVED FROM MODEL-VERIFIED (t_m) INTERPRETATION CAN INCLUDE; EFFECTIVE PERMEABILITY (K), SKIN DAMAGE (s), RESERVOIR PRESSURE (P^*), FRACTURE HALF-LENGTH (X_f), FRACTURE CAPACITY (Kf_w), BOUNDARY CONDITIONS AND DISTANCE TO BOUNDARIES, AS WELL AS THE MODEL OF BASIC RESERVOIR BEHAVIOR.

USING THE RESERVOIR MODEL DETERMINED BY MODEL-VERIFIED (t_m) INTERPRETATION, FLOWRATE PREDICTIONS CAN BE MADE FOR THE WELL. ADDITIONALLY, WE CAN HELP YOU OPTIMIZE WELL PERFORMANCE BY USING SCHLUMBERGER'S NODAL ANALYSIS SOFTWARE TO EXAMINE THE WELL'S SENSITIVITY TO DIFFERENT COMPLETION DESIGNS (e.g., FRACTURE HALF-LENGTH, TUBING SIZE, WELLHEAD PRESSURE, SKIN VALUE, SHOT DENSITY). THIS AFFORDS YOU THE OPPORTUNITY TO FORECAST PRODUCTION POTENTIAL FOR THE WELL BEFORE MAKING FINAL COMPLETION/RECOMPLETION DECISIONS.

THE SCHLUMBERGER ANALYST CONSTRUCTS THE TOTAL SYSTEM RESERVOIR MODEL THAT BEST MATCHES YOUR TEST DATA BY CHOOSING THE INNER BOUNDARY CONDITION(S), A BASIC RESERVOIR MODEL, AND THE OUTER BOUNDARY CONDITION(S). THESE COMPONENTS ARE PUT TOGETHER INTO ONE RESERVOIR MODEL AND THE TEST DATA IS MATCHED BY ADJUSTING THE MODEL PARAMETERS (e.g., PERMEABILITY AND SKIN) TO OBTAIN THE BEST FIT. THE FOLLOWING IS A PARTIAL LIST OF THE MODEL COMPONENTS AVAILABLE TO THE SCHLUMBERGER ANALYST FOR MATCHING YOUR WELL TEST DATA.

INNER BOUNDARY CONDITION

NO WELLBORE STORAGE
CONSTANT WELLBORE STORAGE
VARIABLE WELLBORE STORAGE
FINITE CONDUCTIVITY VERTICAL FRACTURE
INFINITE CONDUCTIVITY VERTICAL FRACTURE
UNIFORM FLUX VERTICAL FRACTURE
HORIZONTAL FRACTURE
PARTIAL PENETRATION

BASIC RESERVOIR MODEL

HOMOGENEOUS
DUAL POROSITY, PSEUDO STEADY STATE INTERPOROSITY FLOW
DUAL POROSITY, TRANSIENT INTERPOROSITY FLOW
TRIPLE POROSITY
DUAL PERMEABILITY
RADIAL COMPOSITE

OUTER BOUNDARY CONDITION

INFINITE SYSTEM
SINGLE SEALING NO FLOW BOUNDARY
PARTIALLY SEALING BOUNDARY
SINGLE CONSTANT PRESSURE BOUNDARY
TWO INTERSECTING NO FLOW BOUNDARIES (WEDGE GEOMETRY)
PARALLEL NO FLOW BOUNDARIES (CHANNEL)
GAS CAP/BOTTOM WATER DRIVE
CLOSED (NO FLOW) CIRCLE
CONSTANT PRESSURE CIRCLE
CLOSED (NO FLOW) RECTANGLE
CONSTANT PRESSURE RECTANGLE
MIXED BOUNDARY RECTANGLE

FOR SOME APPLICATIONS, SUCH AS HORIZONTAL AND LAYERED RESERVOIR TESTS, ALL OF THE POSSIBLE COMBINATIONS ARE NOT AVAILABLE. REFERENCES ON MOST MODEL COMPONENTS CAN BE FOUND IN SPE PAPERS.

REPORT NO.
1109977

PAGE NO. 9

SEQUENCE OF EVENTS

Schlumberger

| DATE | TIME (HR:MIN) | DESCRIPTION | ET (MINS) | BHP (PSIA) | WHP (PSIG) |
|--------|------------------|----------------------------|--------------|---------------|---------------|
| 23-FEB | 09:55 | HYDROSTATIC MUD SET PACKER | -1 | 509 | |
| | 09:56 | START FLOW 1/8" PLATE | 0 | 103 | 5.0 |
| | 10:06 | | 10 | | 6.5 |
| | 10:16 | | 20 | | 8.0 |
| | 10:26 | | 30 | | 8.0 |
| | 10:36 | | 40 | | 7.0 |
| | 10:46 | 7.10 MCF | 50 | | 6.25 |
| | 11:06 | 7.10 MCF | 70 | | 6.25 |
| | 11:26 | 7.10 MCF | 90 | | 6.25 |
| | 11:46 | 7.10 MCF | 110 | | 6.25 |
| | 12:06 | 7.10 MCF | 130 | | 6.25 |
| | 12:26 | 7.10 MCF | 150 | | 6.25 |
| | 12:46 | 7.10 MCF | 170 | | 6.25 |
| | 12:56 | 7.10 MCF | 180 | | 6.25 |
| | 12:56 | END FLOW & START SHUT-IN | 180 | 30 | |
| 24-FEB | 07:11 | END SHUT-IN | 1275 | 2418 | |
| | 07:15 | HYDROSTATIC MUD | 1279 | 2403 | |

BOTTOMHOLE TEMPERATURE LOG

FIELD REPORT NO. 1109977

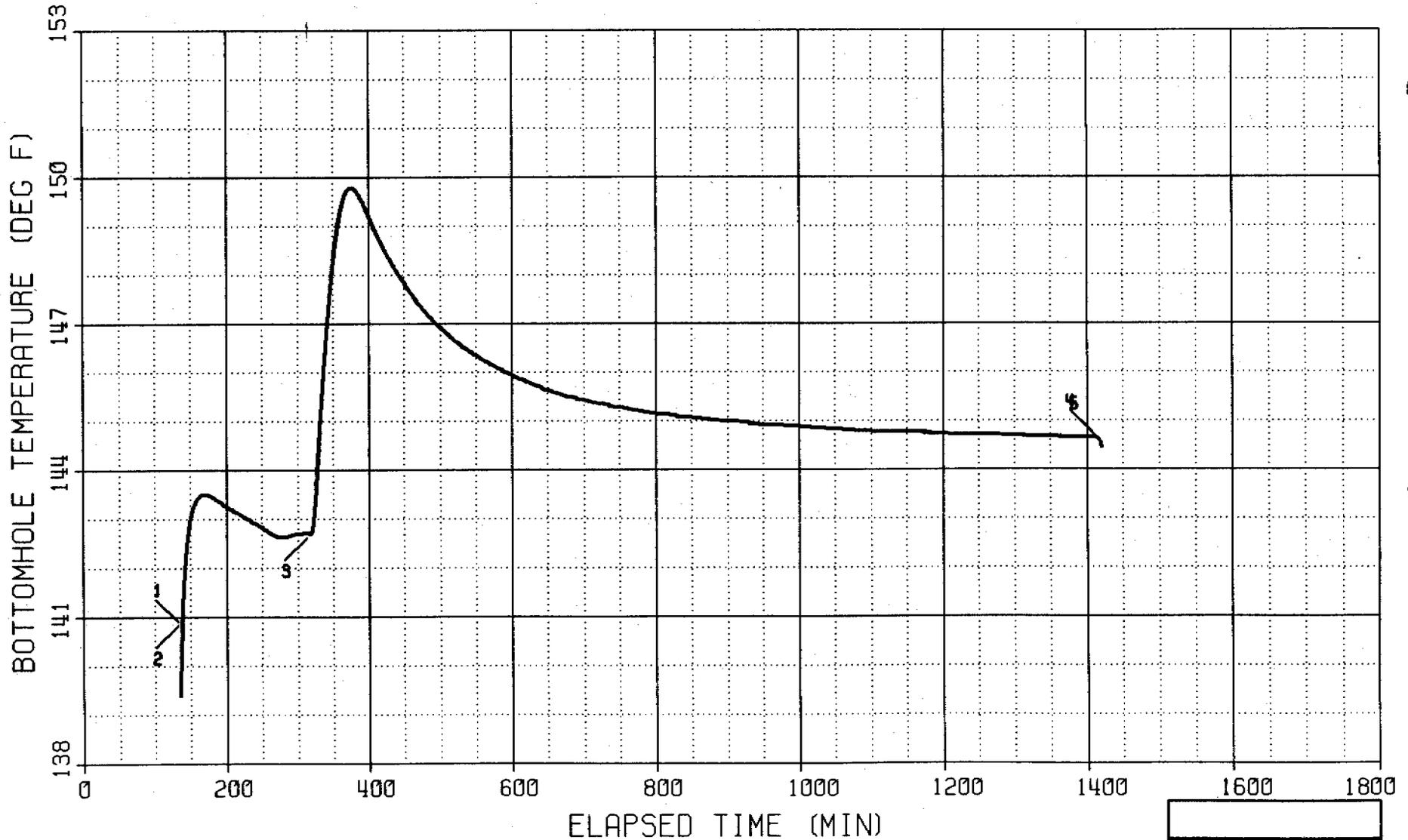
COMPANY : COASTAL OIL & GAS

INSTRUMENT NO. SLSR0

WELL : CIGE 227

DEPTH : 5438 FT

Electronic Temperature Data

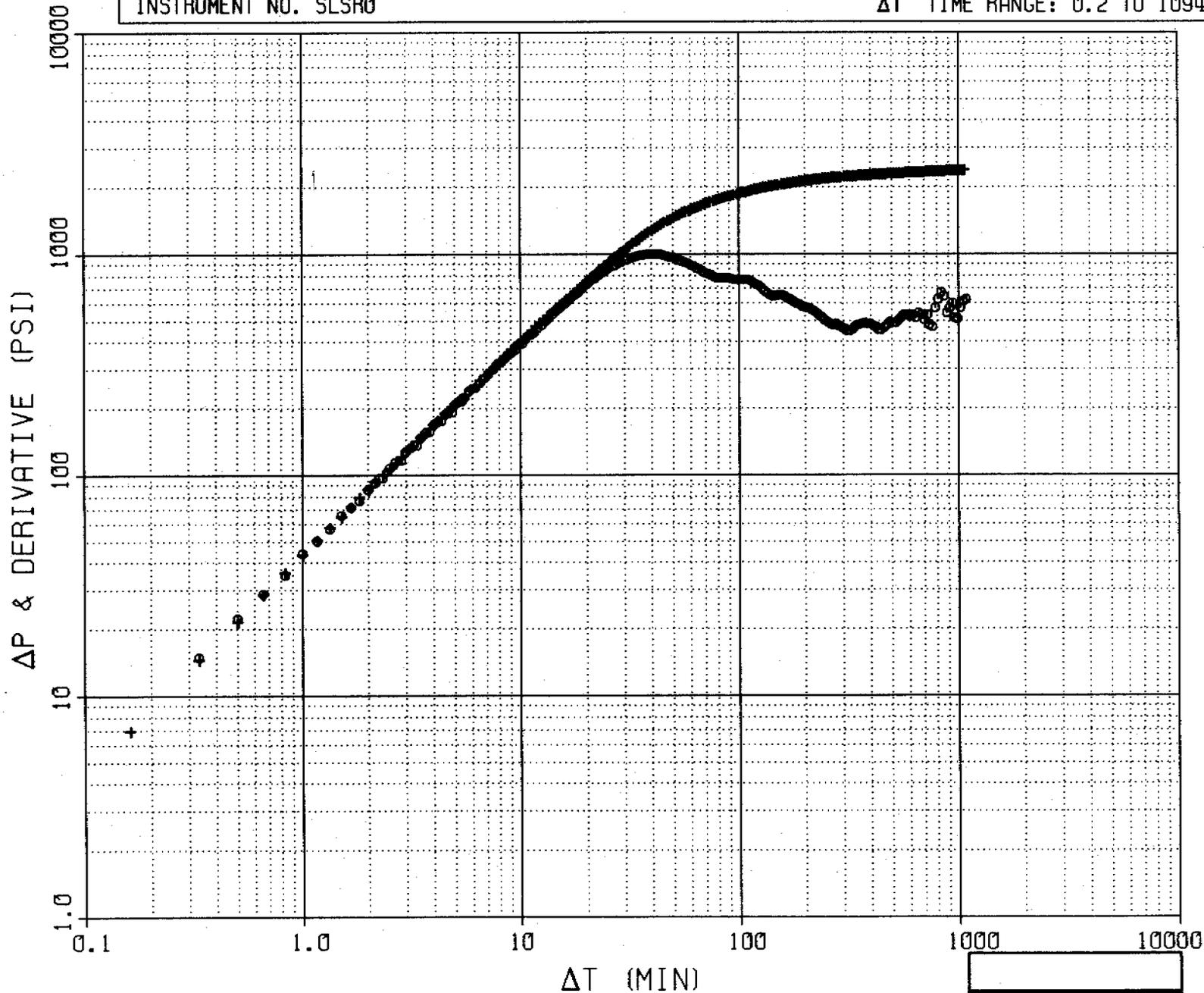


Schlumberger

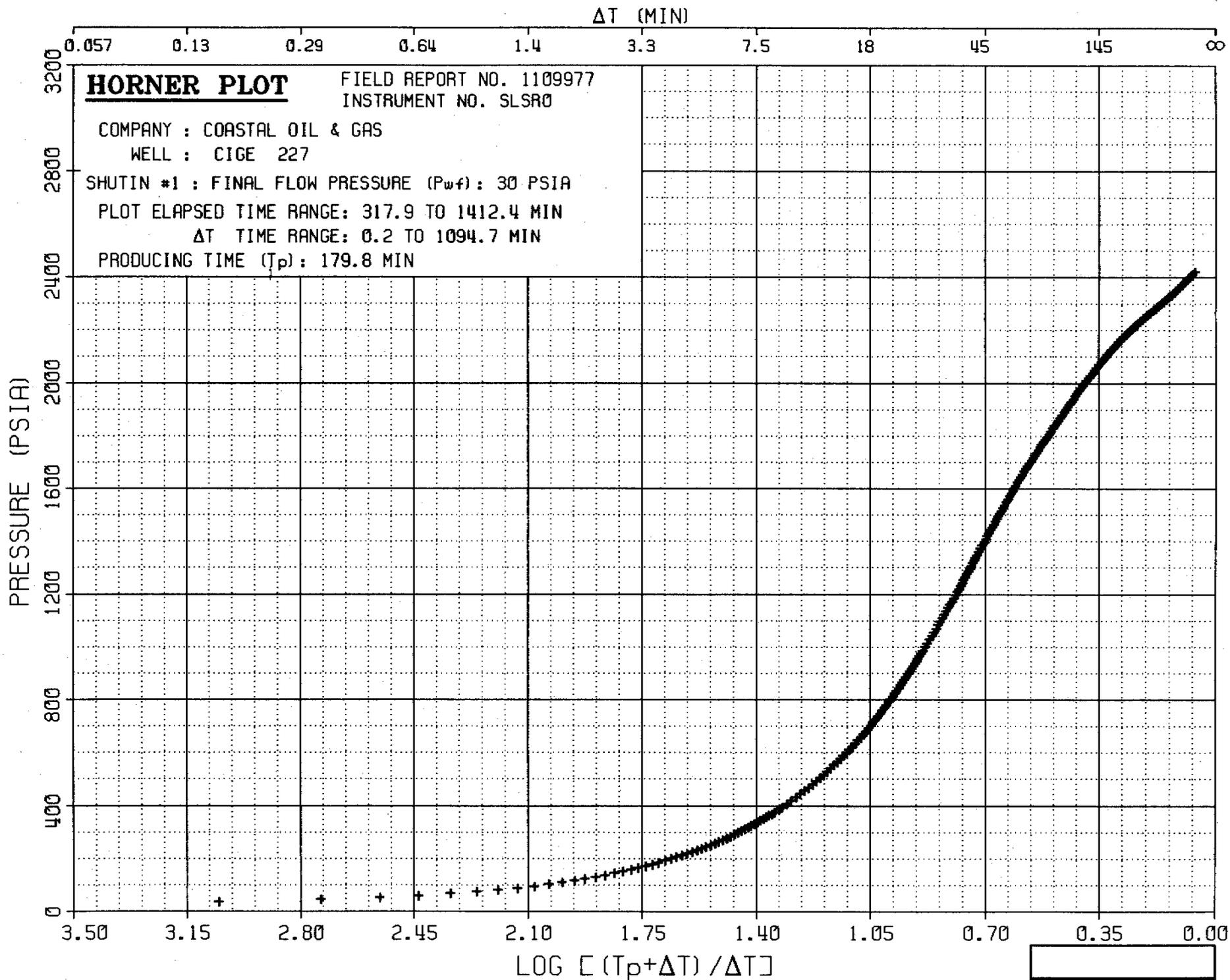
LOG LOG PLOT

COMPANY : COASTAL OIL & GAS
WELL : CIGE 227
FIELD REPORT NO. 1109977
INSTRUMENT NO. SLSR0

SHUTIN #1 : PRODUCING TIME (T_p): 179.8 MIN
FINAL FLOW PRESSURE (P_{wf}): 30 PSIA
PLOT ELAPSED TIME RANGE: 317.9 TO 1412.4 MIN
 ΔT TIME RANGE: 0.2 TO 1094.7 MIN



Schlumberger



Schlumberger

 ** WELL TEST DATA PRINTOUT **

COMPANY: COASTAL OIL & GAS
 WELL: CIGE 227

FIELD REPORT NO. 1109977
 INSTRUMENT NO. SLSRO

RECORDER CAPACITY: 20000 PSI PORT OPENING: OUTSIDE DEPTH: 5438 FT

LABEL POINT INFORMATION

| # | TIME | | EXPLANATION | ELAPSED TIME, MIN | BOT HOLE PRESSURE PSIA | BOT HOLE TEMP. DEG F |
|---|--------------------|----------------|--------------------------|----------------------|------------------------------|----------------------------|
| | OF DAY HH:MM:SS | DATE DD-MMM | | | | |
| 1 | 9:55:53 | 23-FEB | HYDROSTATIC MUD | 137.38 | 509.11 | 140.81 |
| 2 | 9:56:23 | 23-FEB | START FLOW | 137.88 | 102.66 | 140.92 |
| 3 | 12:56:13 | 23-FEB | END FLOW & START SHUT-IN | 317.72 | 29.98 | 142.70 |
| 4 | 7:10:53 | 24-FEB | END SHUT-IN | 1412.38 | 2417.95 | 144.66 |
| 5 | 7:15:13 | 24-FEB | HYDROSTATIC MUD | 1416.72 | 2403.45 | 144.59 |

SUMMARY OF FLOW PERIODS

| PERIOD | START ELAPSED TIME, MIN | END ELAPSED TIME, MIN | DURATION MIN | START PRESSURE PSIA | END PRESSURE PSIA | INITIAL PRESSURE PSIA |
|--------|-------------------------------|-----------------------------|-----------------|---------------------------|-------------------------|-----------------------------|
| 1 | 137.88 | 317.72 | 179.84 | 102.66 | 29.98 | 102.66 |

SUMMARY OF SHUTIN PERIODS

| PERIOD | START ELAPSED TIME, MIN | END ELAPSED TIME, MIN | DURATION MIN | START PRESSURE PSIA | END PRESSURE PSIA | FINAL FLOW PRESSURE PSIA | PRODUCING TIME, MIN |
|--------|-------------------------------|-----------------------------|-----------------|---------------------------|-------------------------|--------------------------------|------------------------|
| 1 | 317.72 | 1412.38 | 1094.66 | 29.98 | 2417.95 | 29.98 | 179.84 |

TEST PHASE: FLOW PERIOD # 1

| TIME OF DAY HH:MM:SS | DATE DD-MMM | ELAPSED TIME, MIN | DELTA TIME, MIN | BOT HOLE TEMP. DEG F | BOT HOLE PRESSURE PSIA |
|----------------------------|----------------|----------------------|--------------------|----------------------------|------------------------------|
| 9:56:23 | 23-FEB | 137.88 | 0.00 | 140.92 | 102.66 |
| 10:11:23 | 23-FEB | 152.88 | 15.00 | 143.22 | 31.83 |
| 10:26:23 | 23-FEB | 167.88 | 30.00 | 143.51 | 31.62 |
| 10:41:23 | 23-FEB | 182.88 | 45.00 | 143.42 | 30.52 |
| 10:56:23 | 23-FEB | 197.88 | 60.00 | 143.28 | 30.12 |
| 11:11:23 | 23-FEB | 212.88 | 75.00 | 143.13 | 29.70 |
| 11:26:23 | 23-FEB | 227.88 | 90.00 | 143.01 | 29.48 |
| 11:41:23 | 23-FEB | 242.88 | 105.00 | 142.88 | 29.32 |
| 11:56:23 | 23-FEB | 257.88 | 120.00 | 142.74 | 29.11 |
| 12:11:23 | 23-FEB | 272.88 | 135.00 | 142.65 | 29.53 |
| 12:26:23 | 23-FEB | 287.88 | 150.00 | 142.66 | 29.19 |
| 12:41:23 | 23-FEB | 302.88 | 165.00 | 142.72 | 29.43 |
| 12:56:13 | 23-FEB | 317.72 | 179.84 | 142.70 | 29.98 |

TEST PHASE: SHUTIN PERIOD # 1

FINAL FLOW PRESSURE = 29.98 PSIA
PRODUCING TIME = 179.84 MIN

| TIME OF DAY HH:MM:SS | DATE DD-MMM | ELAPSED TIME, MIN | DELTA TIME, MIN | BOT HOLE TEMP. DEG F | BOT HOLE PRESSURE PSIA | DELTA P PSI | LOG HORNER TIME |
|----------------------------|----------------|----------------------|--------------------|----------------------------|------------------------------|----------------|-----------------------|
| 12:56:13 | 23-FEB | 317.72 | 0.00 | 142.70 | 29.98 | 0.00 | |
| 12:57:13 | 23-FEB | 318.72 | 1.00 | 142.72 | 73.05 | 43.07 | 2.2573 |
| 12:58:13 | 23-FEB | 319.72 | 2.00 | 142.77 | 115.52 | 85.54 | 1.9587 |
| 12:59:13 | 23-FEB | 320.72 | 3.00 | 142.86 | 157.12 | 127.14 | 1.7849 |
| 13:00:13 | 23-FEB | 321.72 | 4.00 | 142.99 | 197.99 | 168.01 | 1.6624 |
| 13:01:13 | 23-FEB | 322.72 | 5.00 | 143.13 | 238.10 | 208.12 | 1.5678 |
| 13:02:13 | 23-FEB | 323.72 | 6.00 | 143.31 | 277.71 | 247.73 | 1.4910 |
| 13:03:13 | 23-FEB | 324.72 | 7.00 | 143.51 | 316.57 | 286.59 | 1.4264 |
| 13:04:13 | 23-FEB | 325.72 | 8.00 | 143.73 | 355.13 | 325.15 | 1.3707 |
| 13:05:13 | 23-FEB | 326.72 | 9.00 | 143.94 | 393.02 | 363.04 | 1.3219 |
| 13:06:13 | 23-FEB | 327.72 | 10.00 | 144.18 | 430.30 | 400.32 | 1.2784 |
| 13:08:13 | 23-FEB | 329.72 | 12.00 | 144.63 | 503.54 | 473.56 | 1.2038 |
| 13:10:13 | 23-FEB | 331.72 | 14.00 | 145.08 | 574.91 | 544.93 | 1.1413 |
| 13:12:13 | 23-FEB | 333.72 | 16.00 | 145.51 | 644.61 | 614.63 | 1.0878 |
| 13:14:13 | 23-FEB | 335.72 | 18.00 | 145.96 | 712.64 | 682.66 | 1.0410 |
| 13:16:13 | 23-FEB | 337.72 | 20.00 | 146.35 | 778.61 | 748.63 | 0.9997 |
| 13:18:13 | 23-FEB | 339.72 | 22.00 | 146.75 | 842.96 | 812.98 | 0.9626 |
| 13:20:13 | 23-FEB | 341.72 | 24.00 | 147.11 | 904.99 | 875.01 | 0.9291 |
| 13:22:13 | 23-FEB | 343.72 | 26.00 | 147.45 | 964.90 | 934.92 | 0.8986 |
| 13:24:13 | 23-FEB | 345.72 | 28.00 | 147.78 | 1022.41 | 992.43 | 0.8706 |
| 13:26:13 | 23-FEB | 347.72 | 30.00 | 148.06 | 1077.22 | 1047.24 | 0.8448 |
| 13:31:13 | 23-FEB | 352.72 | 35.00 | 148.69 | 1202.70 | 1172.72 | 0.7880 |
| 13:36:13 | 23-FEB | 357.72 | 40.00 | 149.16 | 1312.58 | 1282.60 | 0.7400 |
| 13:41:13 | 23-FEB | 362.72 | 45.00 | 149.49 | 1407.73 | 1377.75 | 0.6987 |
| 13:46:13 | 23-FEB | 367.72 | 50.00 | 149.70 | 1489.06 | 1459.08 | 0.6625 |
| 13:51:13 | 23-FEB | 372.72 | 55.00 | 149.77 | 1558.98 | 1529.00 | 0.6304 |
| 13:56:13 | 23-FEB | 377.72 | 60.00 | 149.77 | 1619.11 | 1589.13 | 0.6018 |
| 14:01:13 | 23-FEB | 382.72 | 65.00 | 149.70 | 1670.96 | 1640.98 | 0.5760 |
| 14:06:13 | 23-FEB | 387.72 | 70.00 | 149.59 | 1716.10 | 1686.12 | 0.5526 |
| 14:11:13 | 23-FEB | 392.72 | 75.00 | 149.43 | 1755.91 | 1725.93 | 0.5312 |

TEST PHASE: SHUTIN PERIOD # 1

FINAL FLOW PRESSURE = 29.98 PSIA

PRODUCING TIME = 179.84 MIN

| TIME OF DAY HH:MM:SS | DATE DD-MMM | ELAPSED TIME, MIN | DELTA TIME, MIN | BOT HOLE TEMP. DEG F | BOT HOLE PRESSURE PSIA | DELTA P PSI | LOG HORNER TIME |
|----------------------------|----------------|----------------------|--------------------|----------------------------|------------------------------|----------------|-----------------------|
| 14:16:13 | 23-FEB | 397.72 | 80.00 | 149.27 | 1791.30 | 1761.32 | 0.5116 |
| 14:21:13 | 23-FEB | 402.72 | 85.00 | 149.11 | 1823.72 | 1793.74 | 0.4936 |
| 14:26:13 | 23-FEB | 407.72 | 90.00 | 148.95 | 1853.71 | 1823.73 | 0.4769 |
| 14:31:13 | 23-FEB | 412.72 | 95.00 | 148.78 | 1881.16 | 1851.18 | 0.4614 |
| 14:36:13 | 23-FEB | 417.72 | 100.00 | 148.62 | 1906.56 | 1876.58 | 0.4469 |
| 14:41:13 | 23-FEB | 422.72 | 105.00 | 148.48 | 1930.24 | 1900.26 | 0.4334 |
| 14:46:13 | 23-FEB | 427.72 | 110.00 | 148.35 | 1952.49 | 1922.51 | 0.4208 |
| 14:51:13 | 23-FEB | 432.72 | 115.00 | 148.23 | 1973.25 | 1943.27 | 0.4089 |
| 14:56:13 | 23-FEB | 437.72 | 120.00 | 148.10 | 1992.28 | 1962.30 | 0.3977 |
| 15:01:13 | 23-FEB | 442.72 | 125.00 | 147.99 | 2009.85 | 1979.87 | 0.3872 |
| 15:06:13 | 23-FEB | 447.72 | 130.00 | 147.88 | 2025.87 | 1995.89 | 0.3772 |
| 15:11:13 | 23-FEB | 452.72 | 135.00 | 147.76 | 2040.52 | 2010.54 | 0.3678 |
| 15:16:13 | 23-FEB | 457.72 | 140.00 | 147.65 | 2054.18 | 2024.20 | 0.3588 |
| 15:21:13 | 23-FEB | 462.72 | 145.00 | 147.56 | 2066.77 | 2036.79 | 0.3503 |
| 15:26:13 | 23-FEB | 467.72 | 150.00 | 147.45 | 2078.78 | 2048.80 | 0.3422 |
| 15:31:13 | 23-FEB | 472.72 | 155.00 | 147.36 | 2090.44 | 2060.46 | 0.3345 |
| 15:36:13 | 23-FEB | 477.72 | 160.00 | 147.27 | 2101.39 | 2071.41 | 0.3272 |
| 15:41:13 | 23-FEB | 482.72 | 165.00 | 147.18 | 2111.73 | 2081.75 | 0.3201 |
| 15:46:13 | 23-FEB | 487.72 | 170.00 | 147.09 | 2121.57 | 2091.59 | 0.3134 |
| 15:51:13 | 23-FEB | 492.72 | 175.00 | 147.02 | 2130.83 | 2100.85 | 0.3070 |
| 15:56:13 | 23-FEB | 497.72 | 180.00 | 146.95 | 2139.55 | 2109.57 | 0.3008 |
| 16:11:13 | 23-FEB | 512.72 | 195.00 | 146.75 | 2162.80 | 2132.82 | 0.2838 |
| 16:26:13 | 23-FEB | 527.72 | 210.00 | 146.57 | 2182.74 | 2152.76 | 0.2687 |
| 16:41:13 | 23-FEB | 542.72 | 225.00 | 146.41 | 2199.96 | 2169.98 | 0.2551 |
| 16:56:13 | 23-FEB | 557.72 | 240.00 | 146.26 | 2214.96 | 2184.98 | 0.2429 |
| 17:11:13 | 23-FEB | 572.72 | 255.00 | 146.14 | 2227.80 | 2197.82 | 0.2318 |
| 17:26:13 | 23-FEB | 587.72 | 270.00 | 146.03 | 2238.97 | 2208.99 | 0.2217 |
| 17:41:13 | 23-FEB | 602.72 | 285.00 | 145.92 | 2249.24 | 2219.26 | 0.2125 |
| 17:56:13 | 23-FEB | 617.72 | 300.00 | 145.83 | 2258.34 | 2228.36 | 0.2040 |
| 18:11:13 | 23-FEB | 632.72 | 315.00 | 145.72 | 2266.56 | 2236.58 | 0.1962 |
| 18:26:13 | 23-FEB | 647.72 | 330.00 | 145.65 | 2274.00 | 2244.02 | 0.1889 |
| 18:41:13 | 23-FEB | 662.72 | 345.00 | 145.56 | 2281.17 | 2251.19 | 0.1822 |
| 18:56:13 | 23-FEB | 677.72 | 360.00 | 145.51 | 2288.06 | 2258.08 | 0.1760 |
| 19:11:13 | 23-FEB | 692.72 | 375.00 | 145.45 | 2294.60 | 2264.62 | 0.1701 |
| 19:26:13 | 23-FEB | 707.72 | 390.00 | 145.40 | 2300.64 | 2270.66 | 0.1647 |
| 19:41:13 | 23-FEB | 722.72 | 405.00 | 145.35 | 2306.32 | 2276.34 | 0.1596 |
| 19:56:13 | 23-FEB | 737.72 | 420.00 | 145.31 | 2311.47 | 2281.49 | 0.1548 |
| 20:11:13 | 23-FEB | 752.72 | 435.00 | 145.27 | 2316.30 | 2286.32 | 0.1503 |
| 20:26:13 | 23-FEB | 767.72 | 450.00 | 145.24 | 2320.73 | 2290.75 | 0.1460 |
| 20:41:13 | 23-FEB | 782.72 | 465.00 | 145.18 | 2324.98 | 2295.00 | 0.1420 |
| 20:56:13 | 23-FEB | 797.72 | 480.00 | 145.17 | 2329.09 | 2299.11 | 0.1382 |
| 21:11:13 | 23-FEB | 812.72 | 495.00 | 145.13 | 2333.25 | 2303.27 | 0.1346 |
| 21:26:13 | 23-FEB | 827.72 | 510.00 | 145.11 | 2337.10 | 2307.12 | 0.1312 |
| 21:41:13 | 23-FEB | 842.72 | 525.00 | 145.08 | 2340.68 | 2310.70 | 0.1279 |
| 21:56:13 | 23-FEB | 857.72 | 540.00 | 145.06 | 2344.34 | 2314.36 | 0.1248 |
| 22:11:13 | 23-FEB | 872.72 | 555.00 | 145.04 | 2347.78 | 2317.80 | 0.1219 |
| 22:26:13 | 23-FEB | 887.72 | 570.00 | 145.00 | 2351.29 | 2321.31 | 0.1191 |
| 22:41:13 | 23-FEB | 902.72 | 585.00 | 144.99 | 2354.50 | 2324.52 | 0.1164 |
| 22:56:13 | 23-FEB | 917.72 | 600.00 | 144.97 | 2357.56 | 2327.58 | 0.1139 |
| 23:11:13 | 23-FEB | 932.72 | 615.00 | 144.95 | 2360.52 | 2330.54 | 0.1114 |

TEST PHASE: SHUTIN PERIOD # 1

FINAL FLOW PRESSURE = 29.98 PSIA
PRODUCING TIME = 179.84 MIN

| TIME OF DAY | DATE | ELAPSED TIME, MIN | DELTA TIME, MIN | BOT HOLE TEMP. DEG F | BOT HOLE PRESSURE PSIA | DELTA P PSI | LOG HORNER TIME |
|----------------|--------|----------------------|--------------------|----------------------------|------------------------------|----------------|-----------------------|
| 23:26:13 | 23-FEB | 947.72 | 630.00 | 144.93 | 2363.40 | 2333.42 | 0.1091 |
| 23:41:13 | 23-FEB | 962.72 | 645.00 | 144.93 | 2366.13 | 2336.15 | 0.1068 |
| 23:56:13 | 23-FEB | 977.72 | 660.00 | 144.91 | 2368.68 | 2338.70 | 0.1047 |
| 0:11:13 | 24-FEB | 992.72 | 675.00 | 144.90 | 2371.41 | 2341.43 | 0.1026 |
| 0:26:13 | 24-FEB | 1007.72 | 690.00 | 144.88 | 2373.47 | 2343.49 | 0.1006 |
| 0:41:13 | 24-FEB | 1022.72 | 705.00 | 144.86 | 2375.95 | 2345.97 | 0.0987 |
| 0:56:13 | 24-FEB | 1037.72 | 720.00 | 144.84 | 2378.06 | 2348.08 | 0.0968 |
| 1:11:13 | 24-FEB | 1052.72 | 735.00 | 144.84 | 2380.29 | 2350.31 | 0.0951 |
| 1:26:13 | 24-FEB | 1067.72 | 750.00 | 144.82 | 2381.90 | 2351.92 | 0.0933 |
| 1:41:13 | 24-FEB | 1082.72 | 765.00 | 144.81 | 2383.74 | 2353.76 | 0.0917 |
| 1:56:13 | 24-FEB | 1097.72 | 780.00 | 144.81 | 2385.66 | 2355.68 | 0.0901 |
| 2:11:13 | 24-FEB | 1112.72 | 795.00 | 144.79 | 2387.78 | 2357.80 | 0.0886 |
| 2:26:13 | 24-FEB | 1127.72 | 810.00 | 144.79 | 2389.93 | 2359.95 | 0.0871 |
| 2:41:13 | 24-FEB | 1142.72 | 825.00 | 144.77 | 2391.90 | 2361.92 | 0.0856 |
| 2:56:13 | 24-FEB | 1157.72 | 840.00 | 144.77 | 2394.09 | 2364.11 | 0.0843 |
| 3:11:13 | 24-FEB | 1172.72 | 855.00 | 144.77 | 2396.35 | 2366.37 | 0.0829 |
| 3:26:13 | 24-FEB | 1187.72 | 870.00 | 144.75 | 2397.94 | 2367.96 | 0.0816 |
| 3:41:13 | 24-FEB | 1202.72 | 885.00 | 144.75 | 2399.81 | 2369.83 | 0.0803 |
| 3:56:13 | 24-FEB | 1217.72 | 900.00 | 144.73 | 2401.20 | 2371.22 | 0.0791 |
| 4:11:13 | 24-FEB | 1232.72 | 915.00 | 144.73 | 2402.67 | 2372.69 | 0.0779 |
| 4:26:13 | 24-FEB | 1247.72 | 930.00 | 144.72 | 2404.23 | 2374.25 | 0.0768 |
| 4:41:13 | 24-FEB | 1262.72 | 945.00 | 144.72 | 2405.78 | 2375.80 | 0.0757 |
| 4:56:13 | 24-FEB | 1277.72 | 960.00 | 144.72 | 2407.28 | 2377.30 | 0.0746 |
| 5:11:13 | 24-FEB | 1292.72 | 975.00 | 144.70 | 2408.43 | 2378.45 | 0.0735 |
| 5:26:13 | 24-FEB | 1307.72 | 990.00 | 144.70 | 2409.53 | 2379.55 | 0.0725 |
| 5:41:13 | 24-FEB | 1322.72 | 1005.00 | 144.68 | 2410.74 | 2380.76 | 0.0715 |
| 5:56:13 | 24-FEB | 1337.72 | 1020.00 | 144.68 | 2412.04 | 2382.06 | 0.0705 |
| 6:11:13 | 24-FEB | 1352.72 | 1035.00 | 144.68 | 2413.15 | 2383.17 | 0.0696 |
| 6:26:13 | 24-FEB | 1367.72 | 1050.00 | 144.66 | 2414.55 | 2384.57 | 0.0687 |
| 6:41:13 | 24-FEB | 1382.72 | 1065.00 | 144.66 | 2415.81 | 2385.83 | 0.0678 |
| 6:56:13 | 24-FEB | 1397.72 | 1080.00 | 144.66 | 2417.01 | 2387.03 | 0.0669 |
| 7:10:53 | 24-FEB | 1412.38 | 1094.66 | 144.66 | 2417.95 | 2387.97 | 0.0661 |

Schlumberger GeoQuest

Interpretation & Computing Services

Debora Hallford
Reservoir Analyst6090 Greenwood Plaza Blvd.
Englewood, CO 80111
(303) 486-3262 (Direct)
(303) 694-4690 (Fax)
(303) 734-1707 (Res.)
email:hallford@englewood.geoquest.slb.com

PERC**WELL CHRONOLOGY REPORT**

| | | |
|--------------------------------|---------------------|---------------------------------|
| WELL NAME : CIGE #227 | | DISTRICT : <u>DRLG</u> |
| FIELD : <u>NATURAL BUTTES</u> | | LOCATION : |
| COUNTY & STATE : <u>UINTAH</u> | <u>UT</u> | CONTRACTOR : <u>COASTALDRIL</u> |
| WI% : | AFE# : <u>18835</u> | API# : <u>43-047-32998</u> |
| DHC : | CWC : | AFE TOTAL : |
| | | PLAN DEPTH : |
| | | SPUD DATE : <u>12/18/98</u> |
| | | FORMATION : |

| | | | | | |
|-------------------------------|-----------------|----------------------|----------------------------|-----------------|----------------------|
| REPORT DATE : 12/19/97 | MD : <u>255</u> | TVD : <u>0</u> | DAYS : <u>0</u> | MW : | VISC : |
| DAILY : DC : <u>\$29,355</u> | CC : <u>\$0</u> | TC : <u>\$29,355</u> | CUM : DC : <u>\$29,355</u> | CC : <u>\$0</u> | TC : <u>\$29,355</u> |

DAILY DETAILS : 12/18/97 MI & RU BILL MARTIN DRLG & DRILLED 255' OF 11" HOLE. RAN 6 JTS 8 5/8" 24# J55 CSG W/HOWCO SHOE TOTAL. 12/19/97 CMT W/HALLIBURTON. PMPD 20 BBLs GEL WTR AHEAD OF 100 SXS PREM + AG W/2% CACL2, WT 15.6, Y 1.18. DROPPED PLUG & DISP W/14 BBLs WTR +/- 4 BBLs CMT TO SURF. HOLE STAYED FULL. NOTIFIED WAYNE BANKERT BLM. SPUD @ 10:00 12/18/97

| | | | | | |
|------------------------------|-----------------|----------------------|----------------------------|-----------------|----------------------|
| REPORT DATE : 2/6/98 | MD : <u>267</u> | TVD : <u>0</u> | DAYS : | MW : | VISC : |
| DAILY : DC : <u>\$15,811</u> | CC : <u>\$0</u> | TC : <u>\$15,811</u> | CUM : DC : <u>\$45,166</u> | CC : <u>\$0</u> | TC : <u>\$45,166</u> |

DAILY DETAILS : MI RU RT'S NU BOP, TEST BOPS VALVES AND MANIFOLD TO 3000 TEST ANNULAR TO 1500 TEST SURFACE CSG TO 1500 RD TESTER NOTIFIED BLM OF BOP TEST NO WITNESS

| | | | | | |
|------------------------------|-------------------|----------------------|----------------------------|-----------------|----------------------|
| REPORT DATE : 2/7/98 | MD : <u>1,375</u> | TVD : <u>0</u> | DAYS : | MW : | VISC : |
| DAILY : DC : <u>\$11,413</u> | CC : <u>\$0</u> | TC : <u>\$11,413</u> | CUM : DC : <u>\$56,579</u> | CC : <u>\$0</u> | TC : <u>\$56,579</u> |

DAILY DETAILS : REPAIR BLOOIE LINE DRLG CMT TO 265' DRLG TO 617' RIG MAINTENANCE DRLG TO 824' SURVEY AT 775' DRLG TO 1344' SURVEY AT 1299' DRLG TO 1375'

| | | | | | |
|-----------------------------|-------------------|---------------------|----------------------------|-----------------|----------------------|
| REPORT DATE : 2/8/98 | MD : <u>2,460</u> | TVD : <u>0</u> | DAYS : | MW : <u>8.4</u> | VISC : <u>27</u> |
| DAILY : DC : <u>\$9,917</u> | CC : <u>\$0</u> | TC : <u>\$9,917</u> | CUM : DC : <u>\$66,495</u> | CC : <u>\$0</u> | TC : <u>\$66,495</u> |

DAILY DETAILS : DRLG TO 1457' UNLOAD HOLE DRLG TO 1868' RIG SERVICE AND SURVEY AT 1825' DRLG TO 2392' SURVEY AT 2347' DRLG TO 2460'

| | | | | | |
|------------------------------|-------------------|----------------------|----------------------------|-----------------|----------------------|
| REPORT DATE : 2/9/98 | MD : <u>3,390</u> | TVD : <u>0</u> | DAYS : | MW : <u>8.4</u> | VISC : <u>27</u> |
| DAILY : DC : <u>\$10,621</u> | CC : <u>\$0</u> | TC : <u>\$10,621</u> | CUM : DC : <u>\$77,116</u> | CC : <u>\$0</u> | TC : <u>\$77,116</u> |

DAILY DETAILS : DRLG TO 2862' SURVEY AT 2817' DRLG TO 3364' SURVEY AT 3319' DRLG TO 3390'

| | | | | | |
|------------------------------|-------------------|----------------------|-----------------------------|-----------------|-----------------------|
| REPORT DATE : 2/10/98 | MD : <u>4,240</u> | TVD : <u>0</u> | DAYS : | MW : <u>8.4</u> | VISC : <u>27</u> |
| DAILY : DC : <u>\$27,404</u> | CC : <u>\$0</u> | TC : <u>\$27,404</u> | CUM : DC : <u>\$104,520</u> | CC : <u>\$0</u> | TC : <u>\$104,520</u> |

DAILY DETAILS : DRLG TO 3548' RIG MAINTENANCE DRLG TO 3854' SURVEY AT 3809' DRLG TO 4240'

| | | | | | |
|------------------------------|-------------------|----------------------|-----------------------------|-----------------|-----------------------|
| REPORT DATE : 2/11/98 | MD : <u>4,885</u> | TVD : <u>0</u> | DAYS : | MW : <u>8.4</u> | VISC : <u>27</u> |
| DAILY : DC : <u>\$17,787</u> | CC : <u>\$0</u> | TC : <u>\$17,787</u> | CUM : DC : <u>\$122,307</u> | CC : <u>\$0</u> | TC : <u>\$122,307</u> |

DAILY DETAILS : DRLG TO 4351' SURVEY AT 4306' DRLG TO 4600' TOO H PU BIT #2 TIH BRK CIRC, WASH AND REAM TO BOTTOM, NO FILL DRLG TO 4885'

PERC**WELL CHRONOLOGY REPORT**

REPORT DATE : 2/12/98 MD : 6.659 TVD : 0 DAYS : MW : 8.4 VISC : 27
 DAILY : DC : \$12.692 CC : \$0 TC : \$12.692 CUM : DC : \$134.999 CC : \$0 TC : \$134.999
 DAILY DETAILS : DRLG TO 5011' SURVEY AT 4966' DRLG TO 5082' REPAIR LIGHT PLANT DRLG TO 5659'
 DRILLING BREAKS: 5265-5273, 5560-5567'

REPORT DATE : 2/13/98 MD : 6.529 TVD : 0 DAYS : MW : 8.4 VISC : 27
 DAILY : DC : \$13.640 CC : \$0 TC : \$13.640 CUM : DC : \$148.639 CC : \$0 TC : \$148.639
 DAILY DETAILS : DRLG TO 6000' SURVEY AT 5955' DRLG TO 6529' DRLG BRKS 5923-5928', 6295-6305'

REPORT DATE : 2/14/98 MD : 6.600 TVD : 0 DAYS : MW : 8.5 VISC : 27
 DAILY : DC : \$16.696 CC : \$0 TC : \$16.696 CUM : DC : \$165.335 CC : \$0 TC : \$165.335
 DAILY DETAILS : DRLG TO 6600' CIRCULATE & CONDITION SHORT TRIP CIRC SPOT 400 BBLS 10# GELLED
 BRINE TOOH FOR E LOGS RU SCHLUMBERGER, RIH WITH PLATFORM EXPRESS, TAG AT
 6600, RESISTIVITY FAILED, LOG TO 2500 WITH DENSITY NEUTRON AND GAMMA RAY, LOG TO
 265 WITH CALIPER PU NEW RESISTIVITY TOOL, RIH TO 6600, LOG TO 265 RD SCHLUMBERGER
 TIH TO LD DP AND BHA RU LD CREW LD DP

REPORT DATE : 2/15/98 MD : 6.600 TVD : 0 DAYS : MW : VISC :
 DAILY : DC : \$116.131 CC : \$0 TC : \$116.131 CUM : DC : \$281.466 CC : \$0 TC : \$281.466
 DAILY DETAILS : LD DP BRK KELLY LD BHA RU CSG CREW RU FS 1 JT, FC 26 CENTRALIZERS EO JT 4
 CENTRALIZERS ACROSS TRONA 1650-1450. PU 147 JTS 4 1/2" 11.6# N-80 LT&C CSG, SHORT JT
 AT 4486 TAG AT 6606 RD CSG CREW CIRC CSG NO RETURNS RU DOWELL TO CEMENT
 PUMP 10 BBLS 40# GEL, 80 BBL FW SPACER, 305 SKS 12 PPG LEAD CMT 145 BBLS 2.66 YIELD
 600 SKS, 14.5 PPG TAIL 163 BBLS 1.53YIELD, DROP PLUG DISPLACE WITH 102 BBLS 2% KCL
 WATER NO RETURNS DURING JOB, BUMP PLUG AT 500 PSI, OVER DIFFERENTIAL 1300 PSI, LIFT
 PRESSURE FLOATS HELD RD DOWELL SET CSG SLIPS IN TENSION 80000# ND BOP CUT
 OFF CSG, CLEAN PITS. RELEASE RT'S T CIGE 220 6:30 PM

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT - " for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Coastal Oil & Gas Corporation

3. Address and Telephone No.

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

(303) 573-4476

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

947' FSL & 523' FEL
SESE, Section 9-T10S-R21E

5. Lease Designation and Serial No.

U-01791

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

Natural Buttes Unit

8. Well Name and No.

CIGE 227-9-10-21

9. API Well No.

43-047-32998

10. Field and Pool, or exploratory Area

Natural Buttes Field

11. County or Parish, State

Uintah UT

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

TYPE OF SUBMISSION

- Notice of Intent
 Subsequent Report
 Final Abandonment Notice

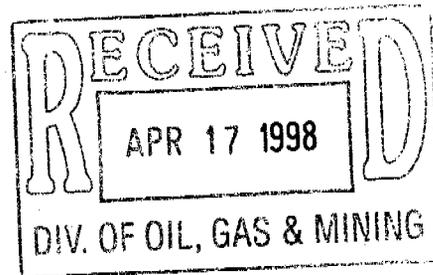
TYPE OF ACTION

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

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

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

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



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

Signed Bonnie Carson

Bonnie Carson

Title Senior Environmental Analyst

Date 4/15/98

(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

Conditions of approval, if any: _____

PERC**WELL CHRONOLOGY REPORT****WELL NAME : CIGE #227**

| | | | |
|------------------|-----------------------|--------------|-----------------------------|
| FIELD : | <u>NATURAL BUTTES</u> | DISTRICT : | <u>DRLG</u> |
| COUNTY & STATE : | <u>UINTAH</u> | LOCATION : | |
| WI% : | <u>AFE# : 18835</u> | CONTRACTOR : | <u>COASTALDRIL</u> |
| DHC : | <u>CWC :</u> | API# : | <u>43-047-32998</u> |
| | | PLAN DEPTH : | <u>SPUD DATE : 12/18/98</u> |
| | | AFE TOTAL : | |
| | | FORMATION : | |

REPORT DATE : 2/20/98 MD : 6,558 TVD : 0 DAYS : MW : VISC :
 DAILY : DC : \$0 CC : \$11,454 TC : \$11,454 CUM : DC : \$281,466 CC : \$11,454 TC : \$292,920
 DAILY DETAILS : MIRU GWS #101. SET WELL HEAD OFF & NU BOP'S. PU 3 7/8 MILL & 4 1/2" CSG SCRAPER. PU 2 3/8 TBG. PU 138 JTS EOT 4524'. SIFN

REPORT DATE : 2/21/98 MD : 6,558 TVD : 0 DAYS : MW : VISC :
 DAILY : DC : \$0 CC : \$3,534 TC : \$3,534 CUM : DC : \$281,466 CC : \$14,988 TC : \$296,454
 DAILY DETAILS : FINISH RIH W/2-3/8" TBG TO 6558', RU PUMP CIRC 185 BBLS FILTERED 3% KCL. POOH W/2-3/8" TBG, LD 4-1/2" SCRAPER. 3-7/8" MILL ASSEMBLY. RU SCHLUMBERGER WL TO RUN CCL, GR, CBL WHILE MAINTAINING 1000 PSI ON CSNG. WL 6558' TO TOC @ 1750' TEST CSG TO 5000 PSI. PUMP DOWN 8-5/8" X 4-1/2 ANNULUS @ 5-1/2 BPM 20 PSI. SDFN. BBLS FLUID PUMPED: 176, BBLS FLUID REC: 0, BBLS LEFT TO REC: 175. CHEMICALS PUMPED: 3% KCL WTR.

REPORT DATE : 2/22/98 MD : 6,558 TVD : 0 DAYS : MW : VISC :
 DAILY : DC : \$0 CC : \$13,168 TC : \$13,168 CUM : DC : \$281,466 CC : \$28,156 TC : \$309,622
 DAILY DETAILS : CSG PRESS, 0 PSI. PU RIH W/3-3/8" PORT PLUG CSG GUN, 180' PHASING (.34" HOLE & PERF THE WASATCH AS FOLLOWS: 4772' - 5299' - 5350' - 5468' - 6166' - 6170' - 2 - 6358' - 6365' - 2 - 6455' - 2 - 12 HOLES. NO PRESSURE CHANGE BEFORE OR AFTER. RD SCHLUMBERGER WL SERV. PU RIH W/ NC, 1 JT, SN & 196 JTS 2-3/8" TBG. EOT @ 6460'. RU DOWELL SPOT 500 GAL, 15% HCL W/ ADD ACROSS BTM PERFS (6455') W/ 26 BBLS 3% KCL. RD DOWELL, POOH W/ 2-3/8" TBG & LAND W/ EOT @ 4690'. RU DOWELL TO BRK DN WAS PERFS 4772' TO 6455' W/ 1250 GALS, 15% HCL ACID & 26 BALL SEALERS EVENLY SPACED. 4250 MAX PSI, AVG 3650 PSI MAX RATE @ 5.0 BPM. AVG 3.5 BPM. ISIP 2250 PSI. SURGE BALLS. ESTAB INJ RATE @ 3.5 BPM @ 3650 PSI, L.T.R. 117 TOTAL BBLS. RD DOWELL. OPEN WELL FLOWED 18 BBLS. RU SWAB. RAN SWAB & FOUND FL @ SURF. SWAB 4 HRS, MADE 7 RUNS. RECOVER 99 BBLS FFL @ 1900' GAS CUT W/ 25 PSI. CP. SDFN. NOTE: SJ @ 4478' BBLS FLUID PUMPED: 117, BBLS FLUID REC: 117, BBLS LEFT TO REC: 0, pH: 7. END OF TUBING DEPTH: 4690', SN SETTING DEPTH: 4659'.

REPORT DATE : 2/23/98 MD : 6,558 TVD : DAYS : MW : VISC :
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$281,466 CC : \$28,156 TC : \$309,622
 DAILY DETAILS : SHUT DOWN FOR WEEKEND (SUNDAY).

REPORT DATE : 2/24/98 MD : 6,558 TVD : 0 DAYS : MW : VISC :
 DAILY : DC : \$0 CC : \$2,996 TC : \$2,996 CUM : DC : \$281,466 CC : \$31,152 TC : \$312,618
 DAILY DETAILS : SITP 1800 PSI, SICP 1600 PSI, BLEW DOWN IN 30 MIN. POOH W/ TBG. PU & RIH W/ SCHLUMBERGER DST TOOLS. SET RBP @ 5518', SET PKR @ 5432'. LOAD ANNULUS W/ 3% KCL WATER. TEST PERF @ 5468'. STABILIZED FTP 6.25 PSI. 1/8" ORFICE 7.1 MCF/D. CLOSED DST TOOL. SDFN. BBLS FLUID PUMPED: 50, BBLS FLUID REC: 10, BBLS LEFT TO REC: 40.

PERC**WELL CHRONOLOGY REPORT**

REPORT DATE : 2/25/98 MD : 6,558 TVD : 0 DAYS : MW : VISC :
 DAILY : DC : \$0 CC : \$70,340 TC : \$70,340 CUM : DC : \$281,466 CC : \$101,492 TC : \$382,958

DAILY DETAILS : TBG PRESS 0 PSI, SICP 300 PSI, BLEW DWN, REL 4 1/2" PKR @ 5432'. RIH W/2 JTS TBG, LATCH ONTO RBP @ 5518'. REL PLUG. POOH W/2 3/8" TBG, LD SCH DST TOOLS, WELL KICKING, KILL W/40 BBLs 3% KCL, PU & RIH W/NC, 1 JT, PSN, 142 JTS 2 3/8" TBG, LAND W/BLAST JT @ SURF, EOT @ 4703'. SN @ 4669'. RD FLOOR & EQUIP, ND BOP, NU WH, MIRU DOWELL, HOLD SAFETY MEETING, PT LINES TO 8000 PSI, FRAC WASATCH PERFS 4772-6455' W/34,000 GAL YF-120LGM + 81,640# 20/40 SD RAMPED 2-6 PPG + 20,000 20/40 RESIN COATED SD @6 PPG, AVG INJ RATE 29 BPM @ 4900 PSI, MAX PRESS 4960 PSI, ISIP 1827 PSI, 5 MIN 1730 PSI, 10 MIN 1698 PSI, 15 MIN 1666 PSI, START FLW BACK ON 12/64" CK, BBLs FLUID PMPD 880, BBLs LEFT TO REC 88

FLOW BACK REPORT

| TIME | CP | TP | CHOK | WTR | SAND |
|---------|------|------|------|-----|------|
| 2:00 PM | 1500 | 1500 | 12 | - | - |
| 3:00 | 1300 | 1100 | 14 | 55 | M |
| 4:00 | 1200 | 950 | 16 | 50 | M |
| 5:00 | 900 | 675 | 18 | 38 | M |
| 6:00 | 400 | 210 | 18 | 7 | M |
| 7:00 | 175 | 50 | 18 | 7 | M |
| 8:00 | 100 | 25 | 18 | 9 | M |
| 9:00 | 100 | 25 | 18 | 10 | M |
| 10:00 | 100 | 10 | 18 | 7 | L |
| 11:00 | 75 | 10 | 18 | 7 | L |
| 12:00AM | 100 | 20 | 18 | 5 | L |
| 1:00 | 175 | 100 | 20 | 10 | T |
| 2:00 | 250 | 140 | 20 | 10 | T |
| 3:00 | 300 | 200 | 20 | 10 | T |
| 4:00 | 400 | 300 | 20 | 14 | T |
| 5:00 | 500 | 350 | 20 | 10 | T |
| 6:00 | 650 | 350 | 20 | 5 | T |

GAS RATE 300 MCF/D, TOTAL WTR 254 BBLs, TOTAL LTR 821 BBLs.

REPORT DATE : 2/26/98 MD : 6,558 TVD : 0 DAYS : MW : VISC :
 DAILY : DC : \$0 CC : \$320 TC : \$320 CUM : DC : \$281,466 CC : \$101,812 TC : \$383,278

DAILY DETAILS : RD & MO GENERAL WELL SERV RIG #101, WELL FLWG TO FLOW BACK TANK ON 20/64" CHOKE

FLOW BACK REPORT

| TIME | CP | TP | CH | WR | SAND |
|---------|-----|-----|----|----|------|
| 5:30 PM | 775 | 375 | 20 | 5 | T |
| 6:30 | 775 | 375 | 20 | 5 | T |
| 7:30 | 775 | 350 | 20 | 5 | T |
| 8:30 | 700 | 500 | 20 | 4 | - |
| 9:30 | 700 | 350 | 20 | 4 | - |
| 10:30 | 700 | 450 | 20 | 5 | - |
| 11:30 | 700 | 450 | 20 | 5 | T |
| 12:30AM | 700 | 450 | 20 | 5 | T |
| 1:30 | 700 | 450 | 20 | 5 | - |
| 2:30 | 675 | 400 | 20 | 5 | T |
| 3:30 | 675 | 375 | 20 | 4 | - |
| 4:30 | 675 | 375 | 20 | 5 | T |
| 5:30 | 650 | 350 | 20 | 5 | T |
| 6:30 | 650 | 350 | 20 | 5 | T |

GAS RATE 475 MCF/D, TOTAL WATER 97 BBLs, TOTAL LOAD TO REC 724 BBLs

REPORT DATE : 2/27/98 MD : 6,558 TVD : 0 DAYS : MW : VISC :
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$281,466 CC : \$101,812 TC : \$383,278

DAILY DETAILS : FLWG 438 MCF, 0 BW, FTP 760#, CP 1105#, 13/64" CK, 20 HRS.

PERC**WELL CHRONOLOGY REPORT**

REPORT DATE : 2/28/98 MD : 6,558 TVD : DAYS : MW : VISC :
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$281,466 CC : \$101,812 TC : \$383,278
 DAILY DETAILS : FLWG 449 MCF, 10 BW, FTP 760#, CP 1040#, 13/64" CK, 24 HRS.

REPORT DATE : 3/1/98 MD : 6,558 TVD : DAYS : MW : VISC :
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$281,466 CC : \$101,812 TC : \$383,278
 DAILY DETAILS : FLWG 348 MCF, 3 BW, FTP 1010#, CP 1145#, 14/64" CK, 24 HRS.

REPORT DATE : 3/2/98 MD : 6,558 TVD : DAYS : MW : VISC :
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$281,466 CC : \$101,812 TC : \$383,278
 DAILY DETAILS : FLWG 248 MCF, 2 BW, FTP 940#, CP 1225#, 15/64" CK, 24 HRS. DN APPROX 100 MCF DUE TO CK PLUGGING. OPEN TO 16/64".

REPORT DATE : 3/3/98 MD : 6,558 TVD : DAYS : MW : VISC :
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$281,466 CC : \$101,812 TC : \$383,278
 DAILY DETAILS : FLWG 607 MCF, 32 BW, FTP 398#, CP 580#, 20/64" CK, LLTR 704 BBLs. IP DATE: 3/3/98 - FLWG 607 MCF, 32 BW, FTP 398#, CP 580#, 20/64" CK. - FINAL REPORT -

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

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

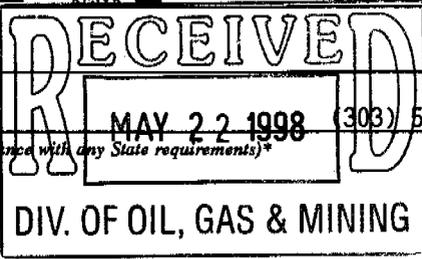
WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____
 b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR Other _____

2. NAME OF OPERATOR
Coastal Oil & Gas Corporation

3. ADDRESS AND TELEPHONE NO.
P.O. Box 749, Denver, CO 80201-0749

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
 At surface: 947' FSL & 523' FEL
 At top prod. interval reported below: Same as above
 At total depth: Same as above



5. LEASE DESIGNATION AND SERIAL NO.
U-01791

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

7. UNIT AGREEMENT NAME
Natural Buttes Unit

8. FARM OR LEASE NAME, WELL NO.
CIGE 227-9-10-21

9. API WELL NO.
43-047-32998

10. FIELD AND POOL, OR WILDCAT
Natural Buttes Field

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 9, T10S-R21E

14. PERMIT NO. 43-047-32998 DATE ISSUED 11/6/97

12. COUNTY OR PARISH Uintah 13. STATE Utah

15. DATE SPUNDED 12/18/97 16. DATE T.D. REACHED 2/14/98 17. DATE COMPL. (Ready to prod.) 2/25/98 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5132' GR 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 6600' 21. PLUG, BACK T.D., MD & TVD 6558' 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 24. ROTARY TOOLS YES 25. CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
4772' - 6455' Wasatch

25. WAS DIRECTIONAL SURVEY MADE
Single Shot

26. TYPE ELECTRIC AND OTHER LOGS RUN 2-19-98
HALS/LDT/CNL/GR/CAL, CCL/GR/CBL TRANSIENT ANALYSIS REPORT

27. WAS WELL CORED

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

| CASING SIZE/GRADE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | TOP OF CEMENT, CEMENTING RECORD | AMOUNT PULLED |
|-------------------|-----------------|----------------|-----------|---------------------------------|---------------|
| 8 5/8" J-55 | 24# | 255' | 11" | See chrono 12/19/97 | 4 bbl |
| 4 1/2" N-80 | 11.6# | 6600' | 7 7/8" | See chrono 2/15/98 | |

29. LINER RECORD 30. TUBING RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | SIZE | DEPTH SET (MD) | PACKER SET (MD) |
|------|----------|-------------|---------------|-------------|--------|----------------|-----------------|
| | | | | | 2 3/8" | 4703' | |

31. PERFORATION RECORD (Interval, size and number)
3 3/8" Gun: 4772', 5299', 5350', 5468', 6166', 6170' (2), 6358', 6365' (2), 6455' (2) - 12 holes

| 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. | |
|--|----------------------------------|
| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED |
| 4772' - 6455' | See chrono 2/22/98, 2/25/98 |

33.* PRODUCTION

| | | | | | | | |
|----------------------------------|---|---|-------------------------|------------|-------------------|---------------------------|-----------------|
| DATE FIRST PRODUCTION 2/25/98 | PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) Flowing | WELL STATUS (Producing or shut-in) Producing | | | | | |
| DATE OF TEST 3/3/98 | HOURS TESTED 24 | CHOKE SIZE 20/64 | PROD'N. FOR TEST PERIOD | OIL - BBL. | GAS - MCF. 607 | WATER - BBL. 32 | GAS - OIL RATIO |
| FLOW. TUBING PRESS. 398# | CASING PRESSURE 580# | CALCULATED 24-HOUR RATE | OIL - BBL. | GAS - MCF. | WATER - BBL. | OIL GRAVITY - API (CORR.) | |

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Sold

TEST WITNESSED BY

35. LIST OF ATTACHMENTS
Chronological History, DST

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

Bonnie Carson

SIGNED Bonnie Carson TITLE Senior Environmental Analyst DATE 5/20/98

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

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

38. GEOLOGIC MARKERS

| FORMATION | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC. | NAME | MEAS. DEPTH | TOP TRUE VERT. DEPTH |
|-----------|-----|--------|-----------------------------|---------|-------------|----------------------------|
| | | | | Wasatch | 4522 (+626) | |

PERC**WELL CHRONOLOGY REPORT**

| | | |
|--------------------------------|----------------------------|--|
| WELL NAME : CIGE #227 | | DISTRICT : <u>DRLG</u> |
| FIELD : <u>NATURAL BUTTES</u> | | LOCATION : |
| COUNTY & STATE : <u>UINTAH</u> | <u>UT</u> | CONTRACTOR : <u>COASTALDRIL</u> |
| WI% : <u>AFE# : 18835</u> | API# : <u>43-047-32998</u> | PLAN DEPTH : <u>SPUD DATE : 12/18/98</u> |
| DHC : <u>CWC :</u> | AFE TOTAL : | FORMATION : |

REPORT DATE : 12/19/97 MD : 255 TVD : 0 DAYS : 0 MW : VISC :
 DAILY : DC : \$29,355 CC : \$0 TC : \$29,355 CUM : DC : \$29,355 CC : \$0 TC : \$29,355

DAILY DETAILS : 12/18/97 MI & RU BILL MARTIN DRLG & DRILLED 255' OF 11" HOLE. RAN 6 JTS 8 5/8" 24# J55 CSG W/HOWCO SHOE TOTAL. 12/19/97 CMT W/HALLIBURTON. PMPD 20 BBLs GEL WTR AHEAD OF 100 SXS PREM + AG W/2% CACL2, WT 15.6, Y 1.18. DROPPED PLUG & DISP W/14 BBLs WTR +/- 4 BBLs CMT TO SURF. HOLE STAYED FULL. NOTIFIED WAYNE BANKERT BLM. SPUD @ 10:00 12/18/97

REPORT DATE : 2/6/98 MD : 267 TVD : 0 DAYS : MW : VISC :
 DAILY : DC : \$15,811 CC : \$0 TC : \$15,811 CUM : DC : \$45,166 CC : \$0 TC : \$45,166

DAILY DETAILS : MI RU RT'S NU BOP, TEST BOPS VALVES AND MANIFOLD TO 3000 TEST ANNULAR TO 1500 TEST SURFACE CSG TO 1500 RD TESTER NOTIFIED BLM OF BOP TEST NO WITNESS

REPORT DATE : 2/7/98 MD : 1,375 TVD : 0 DAYS : MW : VISC :
 DAILY : DC : \$11,413 CC : \$0 TC : \$11,413 CUM : DC : \$56,579 CC : \$0 TC : \$56,579

DAILY DETAILS : REPAIR BLOOIE LINE DRLG CMT TO 265' DRLG TO 617' RIG MAINTENANCE DRLG TO 824' SURVEY AT 775' DRLG TO 1344' SURVEY AT 1299' DRLG TO 1375'

REPORT DATE : 2/8/98 MD : 2,460 TVD : 0 DAYS : MW : 8.4 VISC : 27
 DAILY : DC : \$9,917 CC : \$0 TC : \$9,917 CUM : DC : \$66,495 CC : \$0 TC : \$66,495

DAILY DETAILS : DRLG TO 1457' UNLOAD HOLE DRLG TO 1868' RIG SERVICE AND SURVEY AT 1825' DRLG TO 2392' SURVEY AT 2347' DRLG TO 2460'

REPORT DATE : 2/9/98 MD : 3,390 TVD : 0 DAYS : MW : 8.4 VISC : 27
 DAILY : DC : \$10,621 CC : \$0 TC : \$10,621 CUM : DC : \$77,116 CC : \$0 TC : \$77,116

DAILY DETAILS : DRLG TO 2862' SURVEY AT 2817' DRLG TO 3364' SURVEY AT 3319' DRLG TO 3390'

REPORT DATE : 2/10/98 MD : 4,240 TVD : 0 DAYS : MW : 8.4 VISC : 27
 DAILY : DC : \$27,404 CC : \$0 TC : \$27,404 CUM : DC : \$104,520 CC : \$0 TC : \$104,520

DAILY DETAILS : DRLG TO 3548' RIG MAINTENANCE DRLG TO 3854' SURVEY AT 3809' DRLG TO 4240'

REPORT DATE : 2/11/98 MD : 4,885 TVD : 0 DAYS : MW : 8.4 VISC : 27
 DAILY : DC : \$17,787 CC : \$0 TC : \$17,787 CUM : DC : \$122,307 CC : \$0 TC : \$122,307

DAILY DETAILS : DRLG TO 4351' SURVEY AT 4306' DRLG TO 4600' TOOH PU BIT #2 TIH BRK CIRC, WASH AND REAM TO BOTTOM, NO FILL DRLG TO 4885'

PERC**WELL CHRONOLOGY REPORT**

REPORT DATE : 2/12/98 MD : 5.659 TVD : 0 DAYS : MW : 8.4 VISC : 27
 DAILY : DC : \$12,692 CC : \$0 TC : \$12,692 CUM : DC : \$134,999 CC : \$0 TC : \$134,999
 DAILY DETAILS : DRLG TO 5011' SURVEY AT 4966' DRLG TO 5082' REPAIR LIGHT PLANT DRLG TO 5659'
 DRILLING BREAKS: 5265-5273, 5560-5567'

REPORT DATE : 2/13/98 MD : 6.529 TVD : 0 DAYS : MW : 8.4 VISC : 27
 DAILY : DC : \$13,640 CC : \$0 TC : \$13,640 CUM : DC : \$148,639 CC : \$0 TC : \$148,639
 DAILY DETAILS : DRLG TO 6000' SURVEY AT 5955' DRLG TO 6529' DRLG BRKS 5923-5928', 6295-6305'

REPORT DATE : 2/14/98 MD : 6.600 TVD : 0 DAYS : MW : 8.5 VISC : 27
 DAILY : DC : \$16,696 CC : \$0 TC : \$16,696 CUM : DC : \$165,335 CC : \$0 TC : \$165,335
 DAILY DETAILS : DRLG TO 6600' CIRCULATE & CONDITION SHORT TRIP CIRC SPOT 400 BBLs 10# GELLED
 BRINE TOOHP FOR E LOGS RU SCHLUMBERGER, RIH WITH PLATFORM EXPRESS, TAG AT
 6600, RESISTIVITY FAILED, LOG TO 2500 WITH DENSITY NEUTRON AND GAMMA RAY, LOG TO
 265 WITH CALIPER PU NEW RESISTIVITY TOOL, RIH TO 6600, LOG TO 265 RD SCHLUMBERGER
 TIH TO LD DP AND BHA RU LD CREW LD DP

REPORT DATE : 2/15/98 MD : 6.600 TVD : 0 DAYS : MW : VISC :
 DAILY : DC : \$116,131 CC : \$0 TC : \$116,131 CUM : DC : \$281,466 CC : \$0 TC : \$281,466
 DAILY DETAILS : LD DP BRK KELLY LD BHA RU CSG CREW RU FS 1 JT, FC 26 CENTRALIZERS EO JT 4
 CENTRALIZERS ACROSS TRONA 1650-1450. PU 147 JTS 4 1/2" 11.6# N-80 LT&C CSG, SHORT JT
 AT 4486 TAG AT 6606 RD CSG CREW CIRC CSG NO RETURNS RU DOWELL TO CEMENT
 PUMP 10 BBLs 40# GEL, 80 BBL FW SPACER, 305 SKS 12 PPG LEAD CMT 145 BBLs 2.66 YIELD
 600 SKS, 14.5 PPG TAIL 163 BBLs 1.53YIELD, DROP PLUG DISPLACE WITH 102 BBLs 2% KCL
 WATER NO RETURNS DURING JOB, BUMP PLUG AT 500 PSI, OVER DIFFERENTIAL 1300 PSI, LIFT
 PRESSURE FLOATS HELD RD DOWELL SET CSG SLIPS IN TENSION 80000# ND BOP CUT
 OFF CSG, CLEAN PITS. RELEASE RT'S TO CIGE 220 6:30 PM

REPORT DATE : 2/16/98 MD : 6.600 TVD : DAYS : MW : VISC :
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$281,466 CC : \$0 TC : \$281,466
 DAILY DETAILS : 2/16/98-2/19/98 WAITING ON COMPLETION.

REPORT DATE : 2/20/98 MD : 6.558 TVD : 0 DAYS : MW : VISC :
 DAILY : DC : \$0 CC : \$11,454 TC : \$11,454 CUM : DC : \$281,466 CC : \$11,454 TC : \$292,920
 DAILY DETAILS : MIRU GWS #101. SET WELL HEAD OFF & NU BOP'S. PU 3 7/8 MILL & 4 1/2" CSG SCRAPER. PU 2
 3/8 TBG. PU 138 JTS EOT 4524'. SIFN

REPORT DATE : 2/21/98 MD : 6.558 TVD : 0 DAYS : MW : VISC :
 DAILY : DC : \$0 CC : \$3,534 TC : \$3,534 CUM : DC : \$281,466 CC : \$14,988 TC : \$296,454
 DAILY DETAILS : FINISH RIH W/2-3/8" TBG TO 6558', RU PUMP CIRC 185 BBLs FILTERED 3% KCL. POOH W/2-3/8"
 TBG, LD 4-1/2" SCRAPER. 3-7/8" MILL ASSEMBLY. RU SCHLUMBERGER WL TO RUN CCL, GR,
 CBL WHILE MAINTAINING 1000 PSI ON CSNG. WL 6558' TO TOC @ 1750' TEST CSG TO 5000 PSI.
 PUMP DOWN 8-5/8" X 4-1/2 ANNULUS @ 5-1/2 BPM 20 PSI. SDFN. BBLs FLUID PUMPED: 176,
 BBLs FLUID REC: 0, BBLs LEFT TO REC: 175. CHEMICALS PUMPED: 3% KCL WTR.

PERC**WELL CHRONOLOGY REPORT**

REPORT DATE : 2/22/98 MD : 6.558 TVD : 0 DAYS : MW : VISC :
 DAILY : DC : \$0 CC : \$13,168 TC : \$13,168 CUM : DC : \$281,466 CC : \$28,156 TC : \$309,622

DAILY DETAILS : CSG PRESS, 0 PSI. PU RIH W/3-3/8" PORT PLUG CSG GUN, 180' PHASING (.34" HOLE & PERF THE WASATCH AS FOLLOWS: 4772' - 5299' - 5350' - 5468' - 6166' - 6170' - 2 - 6358' - 6365' - 2 - 6455' - 2. 12 HOLES. NO PRESSURE CHANGE BEFORE OR AFTER. RD SCHLUMBERGER WL SERV. PU RIH W/ NC, 1 JT, SN & 196 JTS 2-3/8" TBG. EOT @ 6460'. RU DOWELL SPOT 500 GAL, 15% HCL W/ ADD ACROSS BTM PERFS (6455') W/ 26 BBLs 3% KCL. RD DOWELL, POOH W/ 2-3/8" TBG & LAND W/ EOT @ 4690'. RU DOWELL TO BRK DN WAS PERFS 4772' TO 6455' W/ 1250 GALS, 15% HCL ACID & 26 BALL SEALERS EVENLY SPACED. 4250 MAX PSI, AVG 3650 PSI MAX RATE @ 5.0 BPM. AVG 3.5 BPM. ISIP 2250 PSI. SURGE BALLS. ESTAB INJ RATE @ 3.5 BPM @ 3650 PSI, L.T.R. 117 TOTAL BBLs. RD DOWELL. OPEN WELL FLOWED 18 BBLs. RU. SWAB. RAN SWAB & FOUND FL @ SURF. SWAB 4 HRS, MADE 7 RUNS. RECOVER 99 BBLs FFL @ 1900' GAS CUT W/ 25 PSI. CP. SDFN. NOTE: SJ @ 4476' BBLs FLUID PUMPED: 117, BBLs FLUID REC: 117, BBLs LEFT TO REC: 0, pH: 7. END OF TUBING DEPTH: 4690', SN SETTING DEPTH: 4659'.

REPORT DATE : 2/23/98 MD : 6.558 TVD : DAYS : MW : VISC :
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$281,466 CC : \$28,156 TC : \$309,622

DAILY DETAILS : SHUT DOWN FOR WEEKEND (SUNDAY).

REPORT DATE : 2/24/98 MD : 6.558 TVD : 0 DAYS : MW : VISC :
 DAILY : DC : \$0 CC : \$2,996 TC : \$2,996 CUM : DC : \$281,466 CC : \$31,152 TC : \$312,618

DAILY DETAILS : SITP 1800 PSI, SICP 1600 PSI, BLEW DOWN IN 30 MIN. POOH W/ TBG. PU & RIH W/ SCHLUMBERGER DST TOOLS. SET RBP @ 5518', SET PKR @ 5432'. LOAD ANNULUS W/ 3% KCL WATER. TEST PERF @ 5468'. STABILIZED FTP 6.25 PSI. 1/8" ORFICE 7.1 MCF/D. CLOSED DST TOOL. SDFN. BBLs FLUID PUMPED: 50, BBLs FLUID REC: 10, BBLs LEFT TO REC: 40.

REPORT DATE : 2/25/98 MD : 6.558 TVD : 0 DAYS : MW : VISC :
 DAILY : DC : \$0 CC : \$70,340 TC : \$70,340 CUM : DC : \$281,466 CC : \$101,492 TC : \$382,958

DAILY DETAILS : TBG PRESS 0 PSI, SICP 300 PSI. BLEW DWN. REL 4 1/2" PKR @ 5432'. RIH W/2 JTS TBG. LATCH ONTO RBP @ 5518'. REL PLUG. POOH W/2 3/8" TBG. LD SCH DST TOOLS. WELL KICKING. KILL W/40 BBLs 3% KCL. PU & RIH W/NC, 1 JT, PSN, 142 JTS 2 3/8" TBG, LAND W/BLAST JT @ SURF. EOT @ 4703'. SN @ 4669'. RD FLOOR & EQUIP. ND BOP. NU WH. MIRU DOWELL. HOLD SAFETY MEETING. PT LINES TO 8000 PSI. FRAC WASATCH PERFS 4772-6455' W/34,000 GAL YF-120LGM + 81,640# 20/40 SD RAMPED 2-6 PPG + 20,000 20/40 RESIN COAED SD @6 PPG. AVG INJ RATE 29 BPM @ 4900 PSI. MAX PRESS 4960 PSI, ISIP 1827 PSI, 5 MIN 1730 PSI, 10 MIN 1698 PSI, 15 MIN 1666 PSI. START FLW BACK ON 12/64" CK. BBLs FLUID PMPD 880, BBLs LEFT TO REC 88

FLOW BACK REPORT

TIME, CP, TP, CHOKE, WTR, SAND
 2:00 PM...1500...1500...12.....OPEN UP
 3:00.....1300...1100...14...55...M
 4:00.....1200...950...16...50...M
 5:00.....900...675...18...38...M
 6:00.....400...210...18...7...M
 7:00.....175...50...18...7...M
 8:00.....100...25...18...9...M
 9:00.....100...25...18...10...M
 10:00.....100...10...18...7...L
 11:00.....75...10...18...7...L
 12:00AM...100...20...18...5...L
 1:00.....175...100...20...10...T
 2:00.....250...140...20...10...T
 3:00.....300...200...20...10...T
 4:00.....400...300...20...14...T
 5:00.....500...350...20...10...T
 6:00.....650...350...20...5...T

GAS RATE 300 MCF/D, TOTAL WTR 254 BBLs, TOTAL LTR 821 BBLs.

REPORT NO.
1109977

PAGE NO. 1

TEST DATE:
23-FEB-1998

STAR

Schlumberger Transient Analysis Report

Schlumberger

Based on Model Verified Interpretation
Of a Schlumberger Well Test

| | | | |
|----------------------------|---------------|-------------------|----------------|
| COMPANY: COASTAL OIL & GAS | | WELL: CIGE # 227 | |
| TEST IDENTIFICATION | | WELL LOCATION | |
| Test Type | CH-DST | Field | NATURAL BUTTES |
| Test No. | ONE | County | UINTAH |
| Test Interval (ft) | 5432 to 5468 | State | UTAH |
| Depth Reference | KELLY BUSHING | Sec/Twn/Rng | 9/10S/21E |

| | | | |
|---------------------------------|-----------|--------------------------------|-------|
| HOLE CONDITIONS | | MUD PROPERTIES | |
| Total Depth (MD/TVD) (ft) | 5518 | Mud Type | KCL |
| Hole Size (in) | 7.875 | Mud Weight (lb/gal) | 8.4 |
| Casing Size O.D. (in) | 4.5"-11.6 | Filtrate Chlorides (ppm) | 10000 |
| Perf'd Interval/Net Pay (ft) .. | -- / 32 | | |

| | | | |
|--------------------------------|------|--------------------------------|----------------|
| INITIAL TEST CONDITIONS | | TEST STRING CONFIGURATION | |
| Initial Hydrostatic (psi) | 509 | Tubing Size I.O. (in) | 2.441 |
| Gas Cushion Type | NONE | Packer Depths (ft) | 5432 |
| Surface Pressure (psi) | -- | Bottomhole Choke Size (in) ... | 0.50 |
| Liquid Cushion Type | NONE | Gauge Depth (ft)/Type | 5438/SLSR 1050 |
| Cushion Length (ft) | -- | | |

| NET PIPE RECOVERY | | |
|-------------------|------------|----------------------|
| Volume | Fluid Type | Properties |
| 15 ft | WATER | Rw0.632@68F 10000ppm |
| | | |
| | | |
| | | |

| NET SAMPLE CHAMBER RECOVERY | | |
|-----------------------------|------------|------------|
| Volume | Fluid Type | Properties |
| | | |
| | | |
| | | |
| | | |
| Pressure: | GOR:0 | GLR:0 |

INTERPRETATION RESULTS

Model of Behavior 2-POROSITY
 Fluid Type Used for Analysis.. GAS
 Reservoir Pressure (psi) 2490 @ 5438 Ft
 Transmissibility (md.ft/cp) .. 1.08
 Effective Permeability (md) .. 0.0005 (to Gas)
 Skin Factor

ROCK/FLUID/WELLBORE PROPERTIES

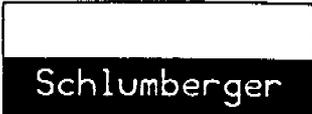
Gas Gravity..... 0.60
 Impurities, N2/CO2/H2S (mol.%) 0/0/0
 Liquid/Gas Ratio (STB/MMSCF) . 0
 Water Cut (%)

PRODUCTION RATE DURING TEST: 7.10 MSCF/D

COMMENTS:

AN 18-Hr BOTTOMHOLE PRESSURE BUILDUP TEST WAS CONDUCTED 23-FEB-1998 TO 24-FEB-1998 AFTER FLOWING 3 HOURS. ANALYSIS OF THE DIAGNOSTIC LOG-LOG PLOT OF PRESSURE AND DERIVATIVE INDICATES THE PRESENCE OF A TWO-POROSITY SYSTEM WITH SKIN AND VARIABLE WELLBORE STORAGE EFFECTS AT EARLY TIME AND TRANSITIONAL FLOW REGIME AT MID TO LATE TIME. THE BUILDUP WAS MATCHED USING A TWO-POROSITY (SLABS) RESERVOIR MODEL WITH SKIN AND VARIABLE WELLBORE STORAGE (SEE ANALYSIS RESULTS AND PLOTS, PAGES 2-6). THE RADIUS OF INVESTIGATION FOR THE MATCH IS ONLY 2-FT. THIS VALUE, WHEN CONSIDERED TOGETHER WITH THE EXTREMELY LOW PERMEABILITY EFFECTIVE TO GAS AND NEGLIGIBLE SKIN FACTOR (-0.2), SUGGESTS THAT ONLY THE DAMAGED AREA NEAR THE WELLBORE WAS "SEEN" DURING THIS TEST. THUS, THE PERMEABILITY CALCULATED IS THE PERMEABILITY OF THE DAMAGED AREA. ANOTHER TEST IS RECOMMENDED, AFTER LONGER PRODUCTION OR STIMULATION TREATMENT. QUESTIONS ABOUT THIS REPORT SHOULD BE DIRECTED TO DEBORA HALLFORD AT (303) 843-9090.

CALCULATIONS
GAS WELL
LOG-LOG ANALYSIS



LOG [DELTA M(P)] VS. LOG (DELTA T) PLOT

TWO-POROSITY SYSTEM WITH TRANSIENT INTERPOROSITY FLOW
SKIN AND VARIABLE WELLBORE STORAGE
PD VS. TD/CD

DATA IDENTIFICATION

FLOW PERIOD = 2. BUILDUP
M(P) = 71072 PSI**2/CP @ DELTA T=0
FLOW RATE CHANGE = 7.100 MSCF/D

TYPE-CURVE MATCH

CURVE MATCH, CD*E(2S) = 0.0835139
STORATIVITY RATIO, OMEGA = 3.974E-03
TRANSITION CURVE, LAMBDA*E(-2S) = 5.8115E-01
Skin(ma) = 0.249228
PRESSURE MATCH, PD/DELTA M(P) = 3.095E-09 1/(PSI**2/CP)
TIME MATCH, (TD/CD)/DELTA T = 29.648 1/HR

CALCULATIONS

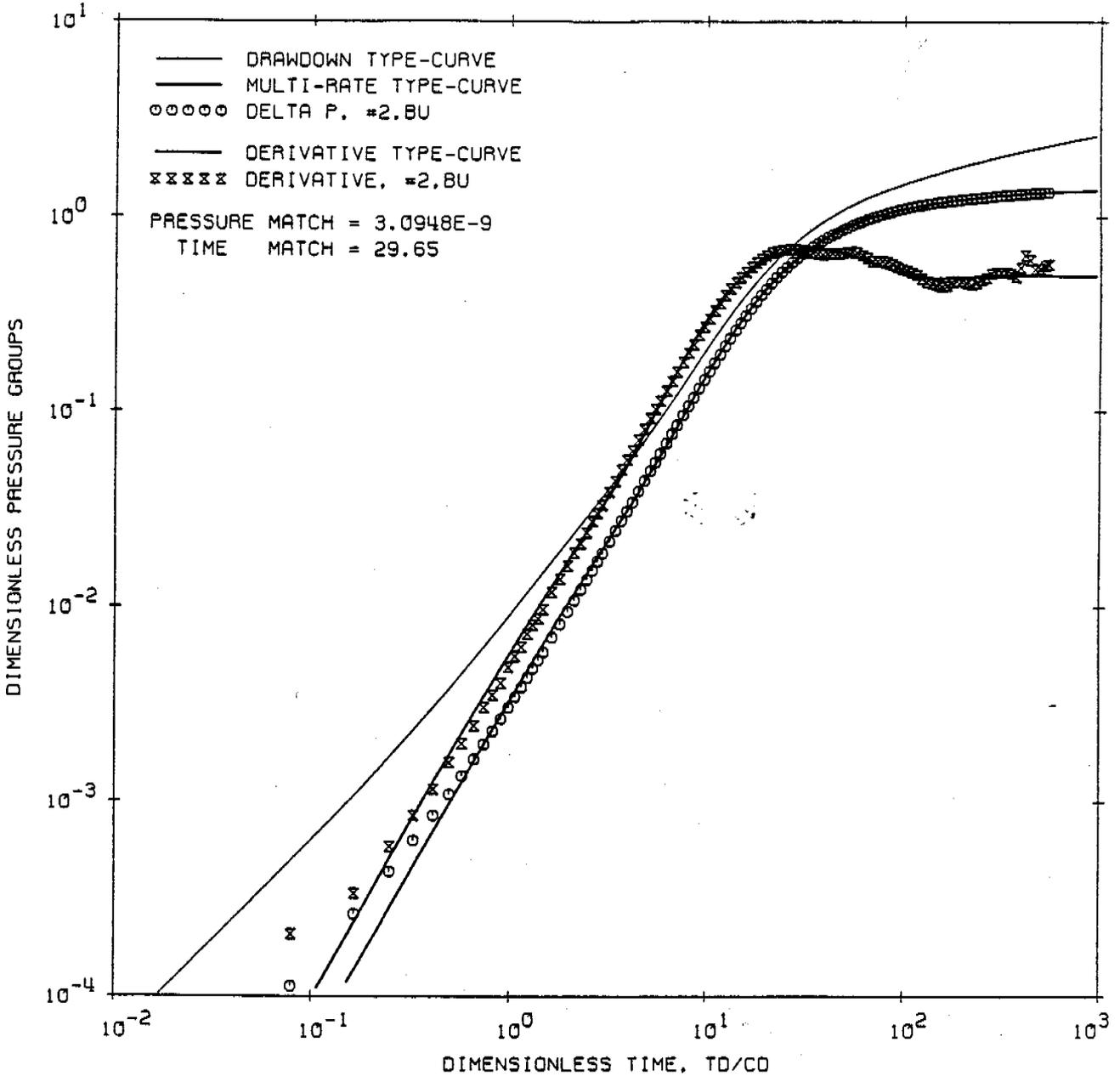
KH 0.01890 MD.FT
KH/MU 1.079 MD.FT/CP
K 5.250E-04 MD
C 1.074E-05 BBL/PSI
CD 0.1470
LAMBDA 0.330166
SKIN, S -0.2826
RADIUS OF INVESTIGATION ... 2.119 FT (@ 3 HR)

COMMENTS

USING TWO-POROSITY (SLABS), INFINITE SYSTEM RESERVOIR
MODEL WITH SKIN AND VARIABLE WELLBORE STORAGE ;
Ca/C=55.5 (1) 2.97 (2) CoD=20 (1) 4.6 (2)

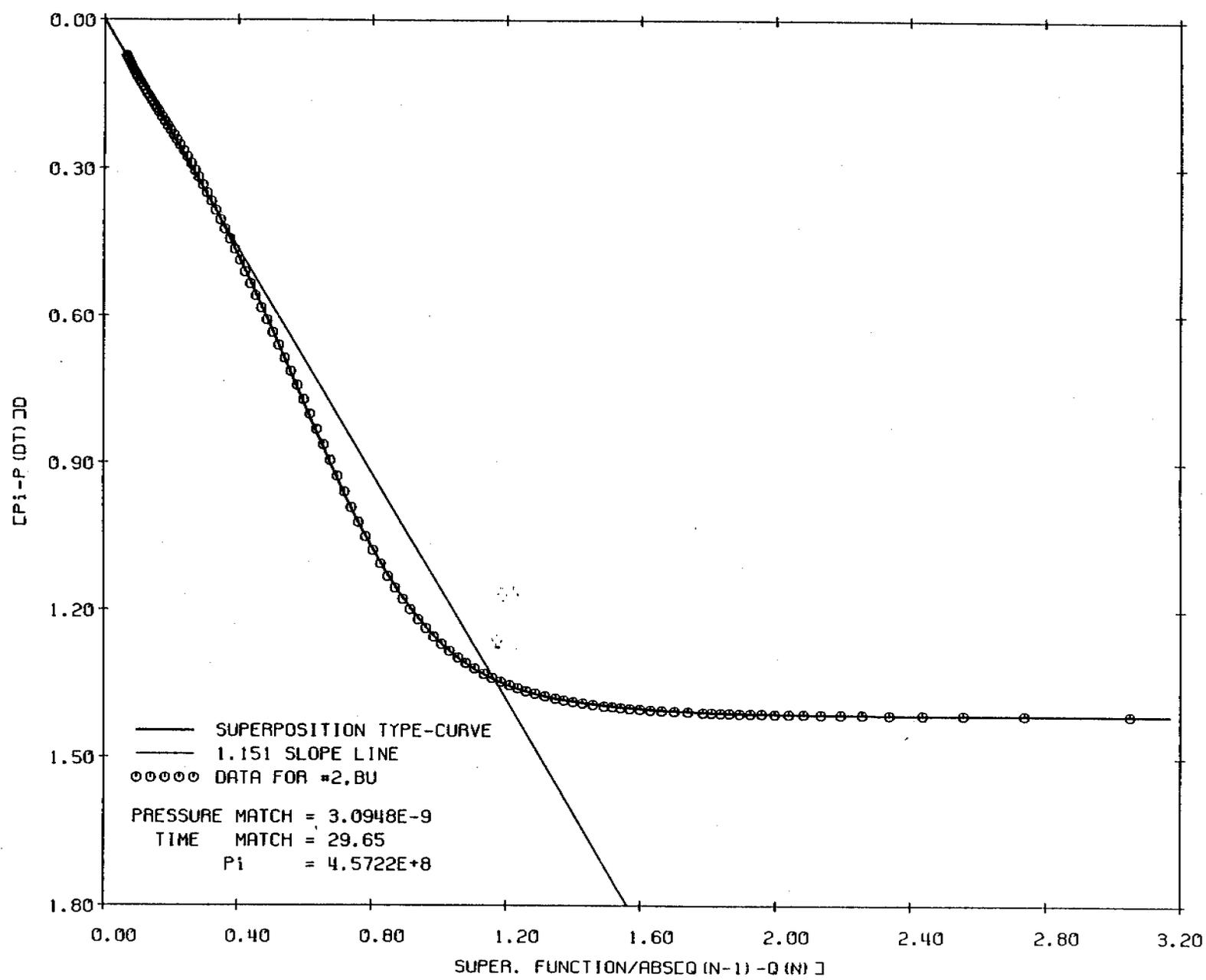
DIMENSIONLESS MULTI-RATE
PLOT: LOG-LOG MATCH FOR
#2.BU

Schlumberger



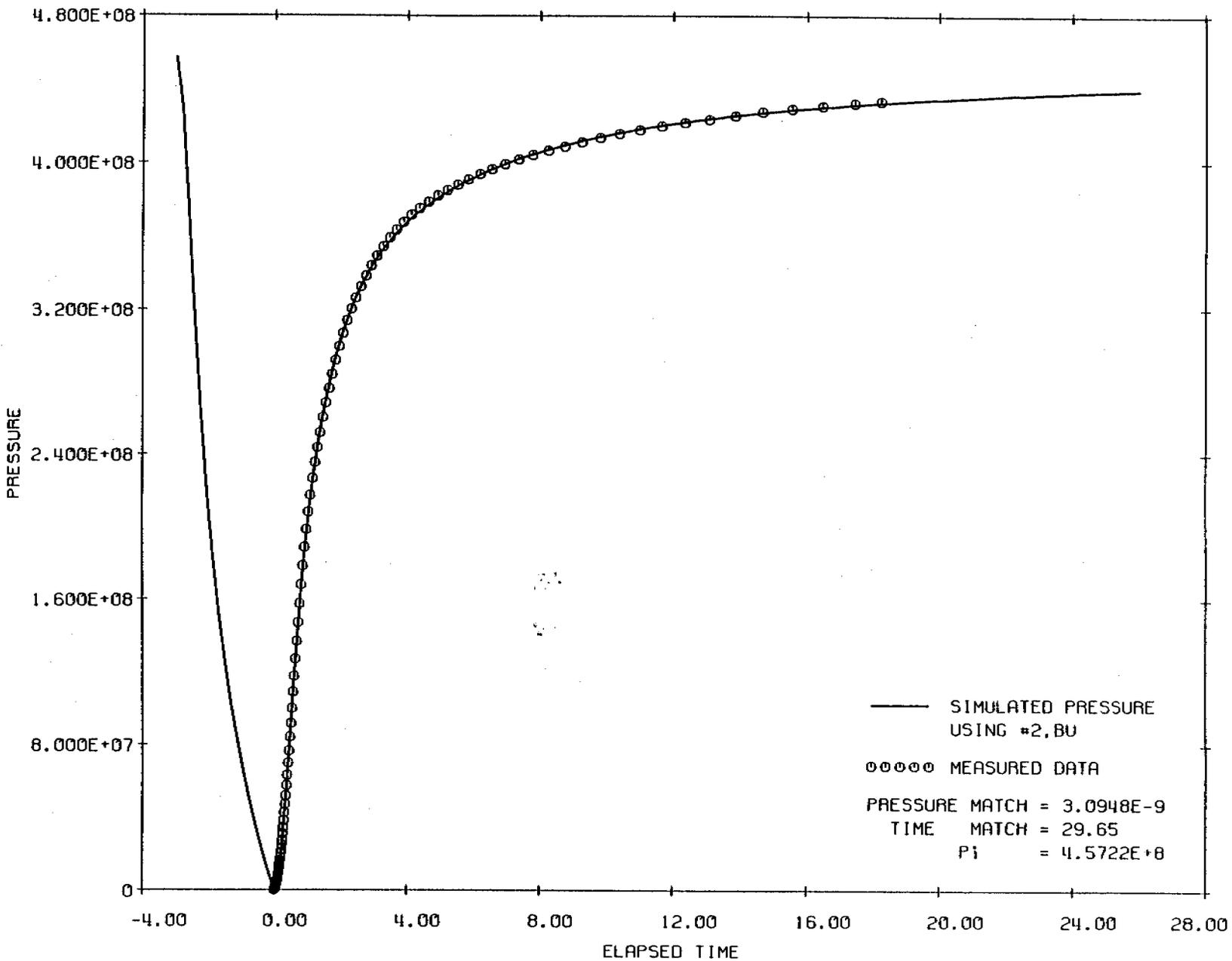
TYPE-CURVE : 2-POROSITY (SLABS), SKIN & VARIABLE WBS
INFINITE SYSTEM ; CD*E (2S) = 8.35E-02 OMEGA=3.97E-3 LAM*E (-2S) = .58

DIMENSIONLESS SUPERPOSITION
PLOT FOR
#2, BU



TYPE-CURVE : 2-POROSITY (SLABS), SKIN & VARIABLE WBS
INFINITE SYSTEM ; CD*E (2S)=8.35E-02 OMEGA=3.97E-3 LAM*E (-2S) =.58

PRESSURE HISTORY MATCH
SIMULATION



TYPE-CURVE : 2-POROSITY (SLABS), SKIN & VARIABLE WBS
 INFINITE SYSTEM ; CD*E (2S) = 8.35E-02 OMEGA = 3.97E-3 LAM*E (-2S) = .58

FLOWRATE DATA
USED IN ANALYSIS
CIGE #227



ET VS. FLOWRATE

USING PRODUCTION DATA MEASURED DURING TESTING
CIGE #227 - CH-DST CONDUCTED 23-FEB-1998

| ET (hrs) | PRIOR TO BUILDUP TEST | GAS FLOWRATE (MSCF/D) |
|----------|-----------------------|-----------------------|
| 1 | -3.0000 | 7.1000 |
| 2 | 0.00000E-01 | 0.00000E-01 |

ANY INTERPRETATIONS OR RECOMMENDATIONS ARE OPINIONS AND NECESSARILY BASED ON INFERENCES AND EMPIRICAL FACTORS AND ASSUMPTIONS, WHICH ARE NOT INFALLIBLE. ACCORDINGLY, SCHLUMBERGER - GEOQUEST CANNOT AND DOES NOT WARRANT THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATION OR MEASUREMENT. UNDER NO CIRCUMSTANCES SHOULD ANY INTERPRETATION OR MEASUREMENT BE RELIED UPON AS THE SOLE BASIS FOR ANY DRILLING, COMPLETION, WELL TREATMENT OR PRODUCTION DECISION OR ANY PROCEDURE INVOLVING RISK TO THE SAFETY OF ANY DRILLING VENTURE, DRILLING RIG OR ITS CREW OR ANY OTHER INDIVIDUAL. THE CUSTOMER HAS FULL RESPONSIBILITY FOR ALL DRILLING, COMPLETION, WELL TREATMENT, AND PRODUCTION PROCEDURES, AND ALL OTHER ACTIVITIES RELATING TO THE DRILLING OR PRODUCTION OPERATION.

THIS IS SCHLUMBERGER'S MODEL-VERIFIED (tm) INTERPRETATION REPORT. WITH MODEL-VERIFIED (tm) INTERPRETATION, THE GOAL OF THE SCHLUMBERGER ANALYST IS TO CONSTRUCT A TOTAL SYSTEM RESERVOIR MODEL THAT MATCHES ALL OF YOUR WELL TEST DATA. THIS PROVIDES YOU WITH RELIABLE ANSWERS THAT YOU CAN HAVE CONFIDENCE IN.

FROM THE DIAGNOSTIC LOG-LOG PLOT OF PRESSURE AND PRESSURE DERIVATIVE, THE SCHLUMBERGER ANALYST IDENTIFIES THE FLOW REGIMES GOVERNED BY THE INNER BOUNDARY CONDITIONS, BASIC RESERVOIR BEHAVIOR, AND OUTER BOUNDARY CONDITIONS. A RESERVOIR MODEL IS THEN CONSTRUCTED AND THE TEST DATA ARE MATCHED TO IT. IN ORDER TO VERIFY THE QUALITY OF THE MATCH, THE THEORETICAL MODEL RESPONSE (TYPE CURVE) AND THE TEST DATA ARE PLOTTED TOGETHER. THE PRESENTATION OF THE MATCH CAN BE SHOWN IN ANY OF THREE DIFFERENT FORMS.

- 1) LOG-LOG PLOT (DELTA PRESSURE AND DERIVATIVE vs. DELTA TIME)
- 2) SEMI-LOG PLOT (PRESSURE vs. SUPERPOSITION TIME)
- 3) CARTESIAN PLOT (PRESSURE vs. TIME)

SCHLUMBERGER USES SUPERPOSITION TECHNIQUES (MULTI-RATE ANALYSIS) TO ACCOUNT FOR THE WELL'S PRIOR PRODUCTION HISTORY. ESPECIALLY IN CASES WHERE THE PRIOR PRODUCTION IS ERRATIC OR UNUSUAL. SUPERPOSITION IS THE ONLY MEANS OF PROVIDING AN ACCURATE TYPE CURVE MATCH OF THE WELL TEST DATA. FOR GAS WELLS, THE PSEUDO-PRESSURE TECHNIQUE IS USED TO ACCOUNT FOR THE CHANGE IN GAS PROPERTIES WITH CHANGING PRESSURE.

IN SOME INSTANCES, THE WELL TEST DATA WILL NOT BE UNIQUE, i.e., MORE THAN ONE RESERVOIR MODEL WILL MATCH THE TEST DATA. THE MOST APPROPRIATE MODEL CAN BE DETERMINED AS WE WORK WITH YOU AND DISCUSS THE AREA LITHOLOGY AND GEOLOGY.

THE RESERVOIR ANSWERS DERIVED FROM MODEL-VERIFIED (tm) INTERPRETATION CAN INCLUDE; EFFECTIVE PERMEABILITY (K), SKIN DAMAGE (s), RESERVOIR PRESSURE (P*), FRACTURE HALF-LENGTH (Xf), FRACTURE CAPACITY (Kfw), BOUNDARY CONDITIONS AND DISTANCE TO BOUNDARIES, AS WELL AS THE MODEL OF BASIC RESERVOIR BEHAVIOR.

USING THE RESERVOIR MODEL DETERMINED BY MODEL-VERIFIED (tm) INTERPRETATION, FLOWRATE PREDICTIONS CAN BE MADE FOR THE WELL. ADDITIONALLY, WE CAN HELP YOU OPTIMIZE WELL PERFORMANCE BY USING SCHLUMBERGER'S NODAL ANALYSIS SOFTWARE TO EXAMINE THE WELL'S SENSITIVITY TO DIFFERENT COMPLETION DESIGNS (e.g., FRACTURE HALF-LENGTH, TUBING SIZE, WELLHEAD PRESSURE, SKIN VALUE, SHOT DENSITY). THIS AFFORDS YOU THE OPPORTUNITY TO FORECAST PRODUCTION POTENTIAL FOR THE WELL BEFORE MAKING FINAL COMPLETION/RECOMPLETION DECISIONS.

THE SCHLUMBERGER ANALYST CONSTRUCTS THE TOTAL SYSTEM RESERVOIR MODEL THAT BEST MATCHES YOUR TEST DATA BY CHOOSING THE INNER BOUNDARY CONDITION(S), A BASIC RESERVOIR MODEL, AND THE OUTER BOUNDARY CONDITION(S). THESE COMPONENTS ARE PUT TOGETHER INTO ONE RESERVOIR MODEL AND THE TEST DATA IS MATCHED BY ADJUSTING THE MODEL PARAMETERS (e.g., PERMEABILITY AND SKIN) TO OBTAIN THE BEST FIT. THE FOLLOWING IS A PARTIAL LIST OF THE MODEL COMPONENTS AVAILABLE TO THE SCHLUMBERGER ANALYST FOR MATCHING YOUR WELL TEST DATA.

INNER BOUNDARY CONDITION

NO WELLBORE STORAGE
CONSTANT WELLBORE STORAGE
VARIABLE WELLBORE STORAGE
FINITE CONDUCTIVITY VERTICAL FRACTURE
INFINITE CONDUCTIVITY VERTICAL FRACTURE
UNIFORM FLUX VERTICAL FRACTURE
HORIZONTAL FRACTURE
PARTIAL PENETRATION

BASIC RESERVOIR MODEL

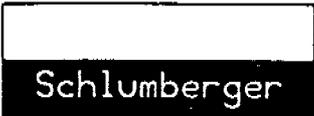
HOMOGENEOUS
DUAL POROSITY, PSEUDO STEADY STATE INTERPOROSITY FLOW
DUAL POROSITY, TRANSIENT INTERPOROSITY FLOW
TRIPLE POROSITY
DUAL PERMEABILITY
RADIAL COMPOSITE

OUTER BOUNDARY CONDITION

INFINITE SYSTEM
SINGLE SEALING NO FLOW BOUNDARY
PARTIALLY SEALING BOUNDARY
SINGLE CONSTANT PRESSURE BOUNDARY
TWO INTERSECTING NO FLOW BOUNDARIES (WEDGE GEOMETRY)
PARALLEL NO FLOW BOUNDARIES (CHANNEL)
GAS CAP/BOTTOM WATER DRIVE
CLOSED (NO FLOW) CIRCLE
CONSTANT PRESSURE CIRCLE
CLOSED (NO FLOW) RECTANGLE
CONSTANT PRESSURE RECTANGLE
MIXED BOUNDARY RECTANGLE

FOR SOME APPLICATIONS, SUCH AS HORIZONTAL AND LAYERED RESERVOIR TESTS, ALL OF THE POSSIBLE COMBINATIONS ARE NOT AVAILABLE. REFERENCES ON MOST MODEL COMPONENTS CAN BE FOUND IN SPE PAPERS.

SEQUENCE OF EVENTS



| DATE | TIME (HR:MIN) | DESCRIPTION | ET (MINS) | BHP (PSIA) | WHP (PSIG) |
|--------|------------------|----------------------------|--------------|---------------|---------------|
| 23-FEB | 09:55 | HYDROSTATIC MUD SET PACKER | -1 | 509 | |
| | 09:56 | START FLOW 1/8" PLATE | 0 | 103 | 5.0 |
| | 10:06 | | 10 | | 6.5 |
| | 10:16 | | 20 | | 8.0 |
| | 10:26 | | 30 | | 8.0 |
| | 10:36 | | 40 | | 7.0 |
| | 10:46 | 7.10 MCF | 50 | | 6.25 |
| | 11:06 | 7.10 MCF | 70 | | 6.25 |
| | 11:26 | 7.10 MCF | 90 | | 6.25 |
| | 11:46 | 7.10 MCF | 110 | | 6.25 |
| | 12:06 | 7.10 MCF | 130 | | 6.25 |
| | 12:26 | 7.10 MCF | 150 | | 6.25 |
| | 12:46 | 7.10 MCF | 170 | | 6.25 |
| | 12:56 | 7.10 MCF | 180 | | 6.25 |
| | 12:56 | END FLOW & START SHUT-IN | 180 | 30 | |
| 24-FEB | 07:11 | END SHUT-IN | 1275 | 2418 | |
| | 07:15 | HYDROSTATIC MUD | 1279 | 2403 | |

BOTTOMHOLE PRESSURE LOG

FIELD REPORT NO. 1109977

COMPANY : COASTAL OIL & GAS

INSTRUMENT NO. SLSR0

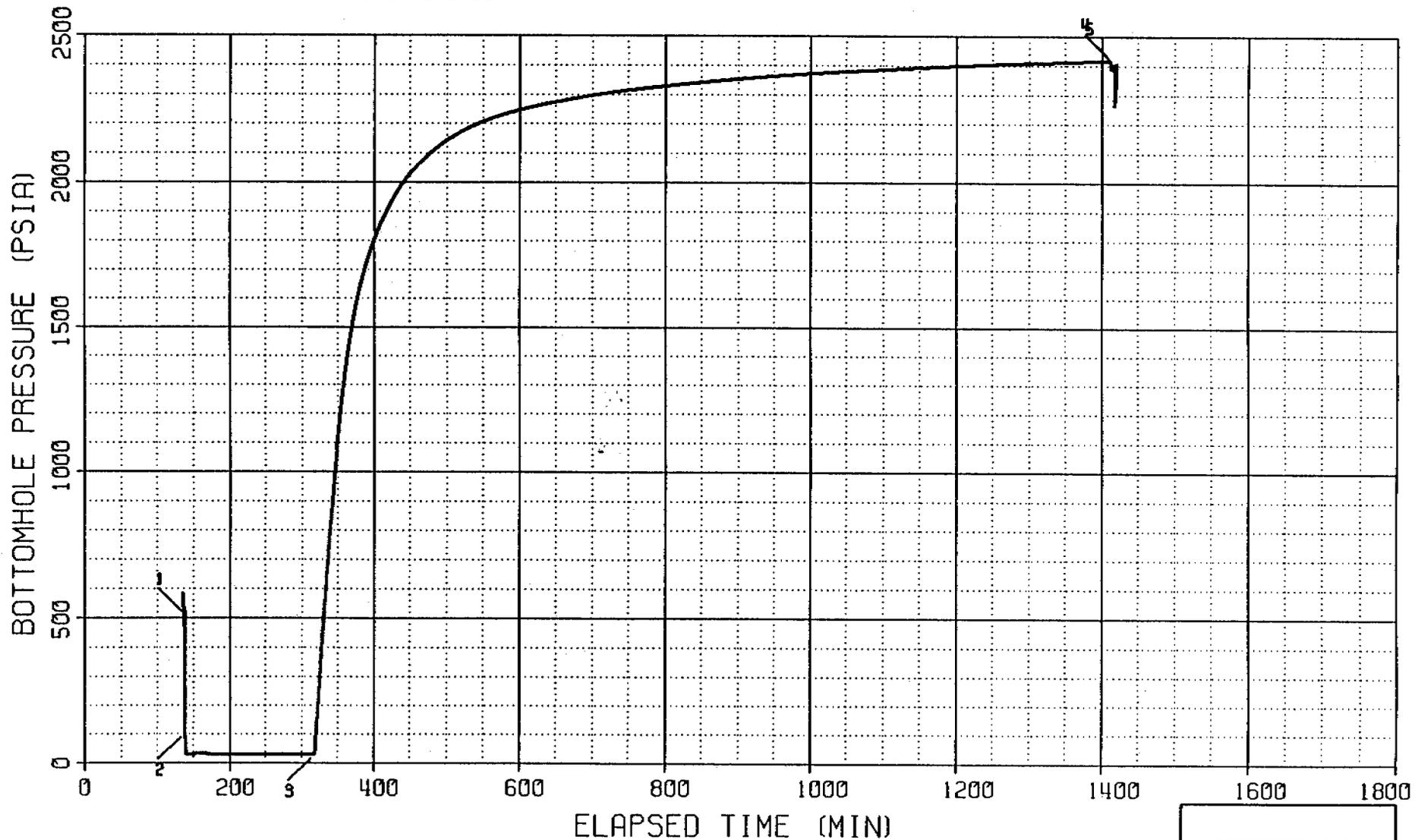
WELL : CIGE 227

DEPTH : 5438 FT

CAPACITY : 20000 PSI

Electronic Pressure Data

PORT OPENING : OUTSIDE



Schlumberger

BOTTOMHOLE TEMPERATURE LOG

FIELD REPORT NO. 1109977

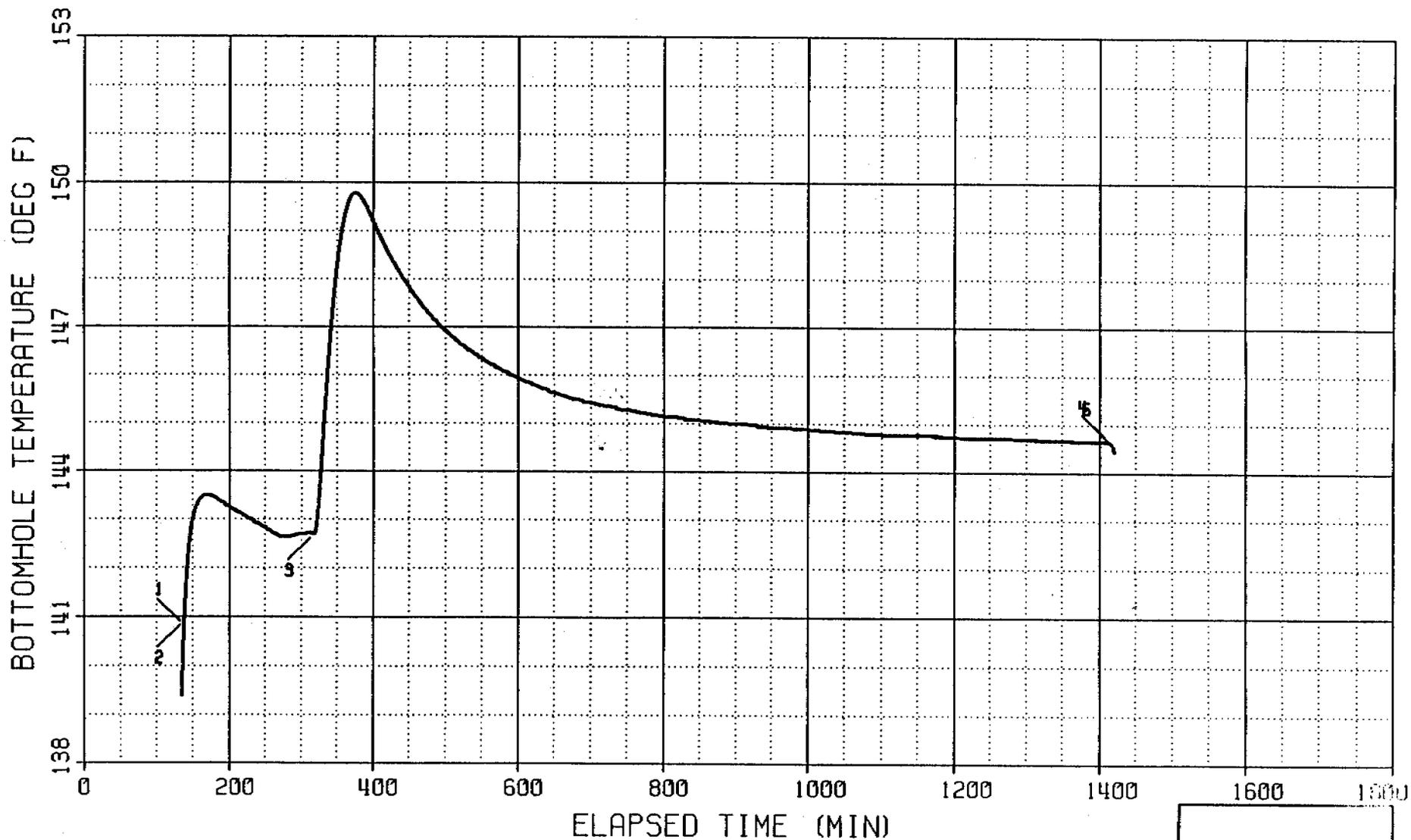
COMPANY : COASTAL OIL & GAS

INSTRUMENT NO. SLSR0

WELL : CIGE 227

DEPTH : 5438 FT

Electronic Temperature Data



Schlumberger

LOG LOG PLOT

COMPANY : COASTAL OIL & GAS

WELL : CIGE 227

FIELD REPORT NO. 1109977

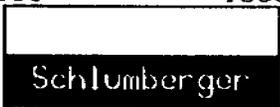
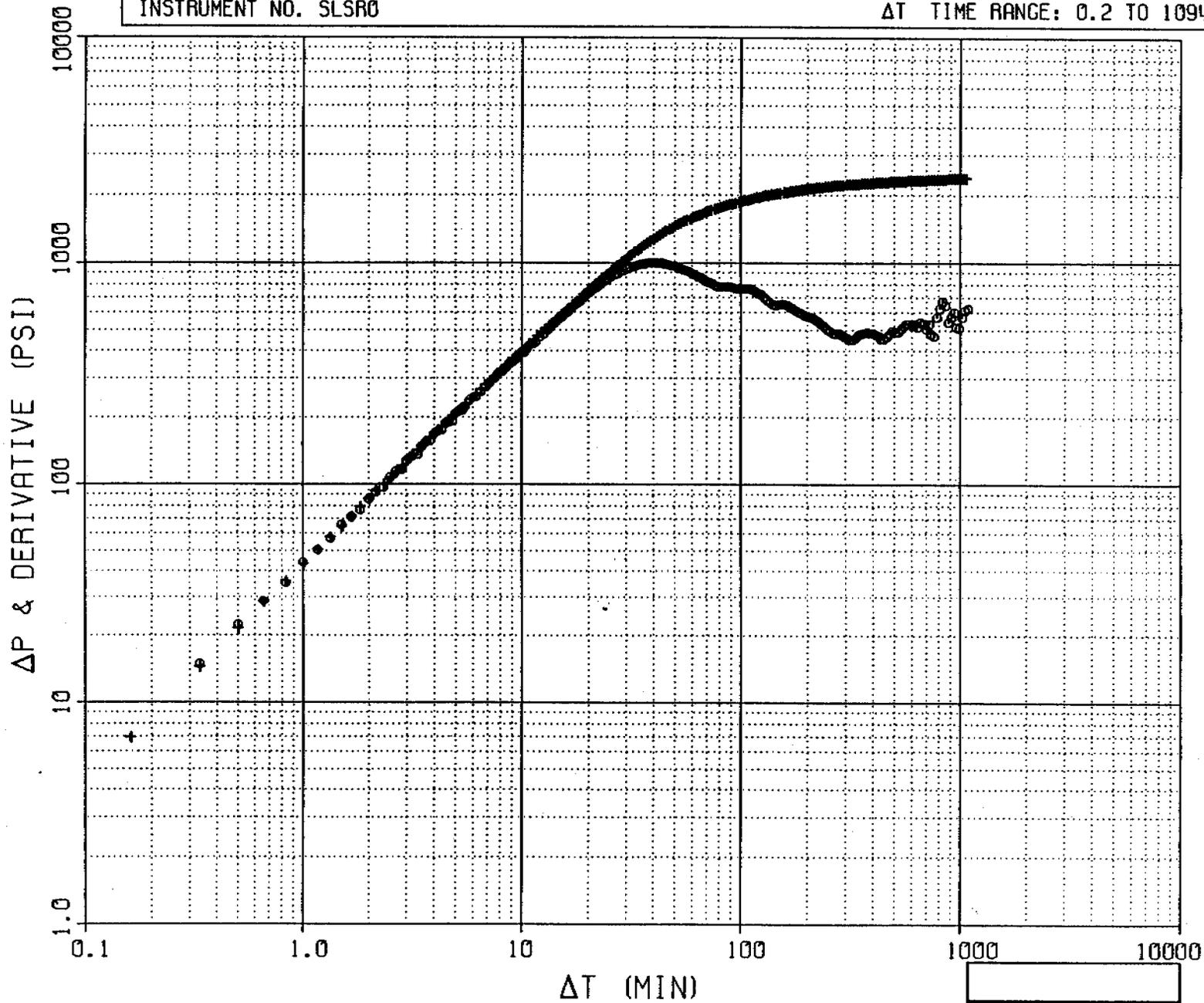
INSTRUMENT NO. SLSR0

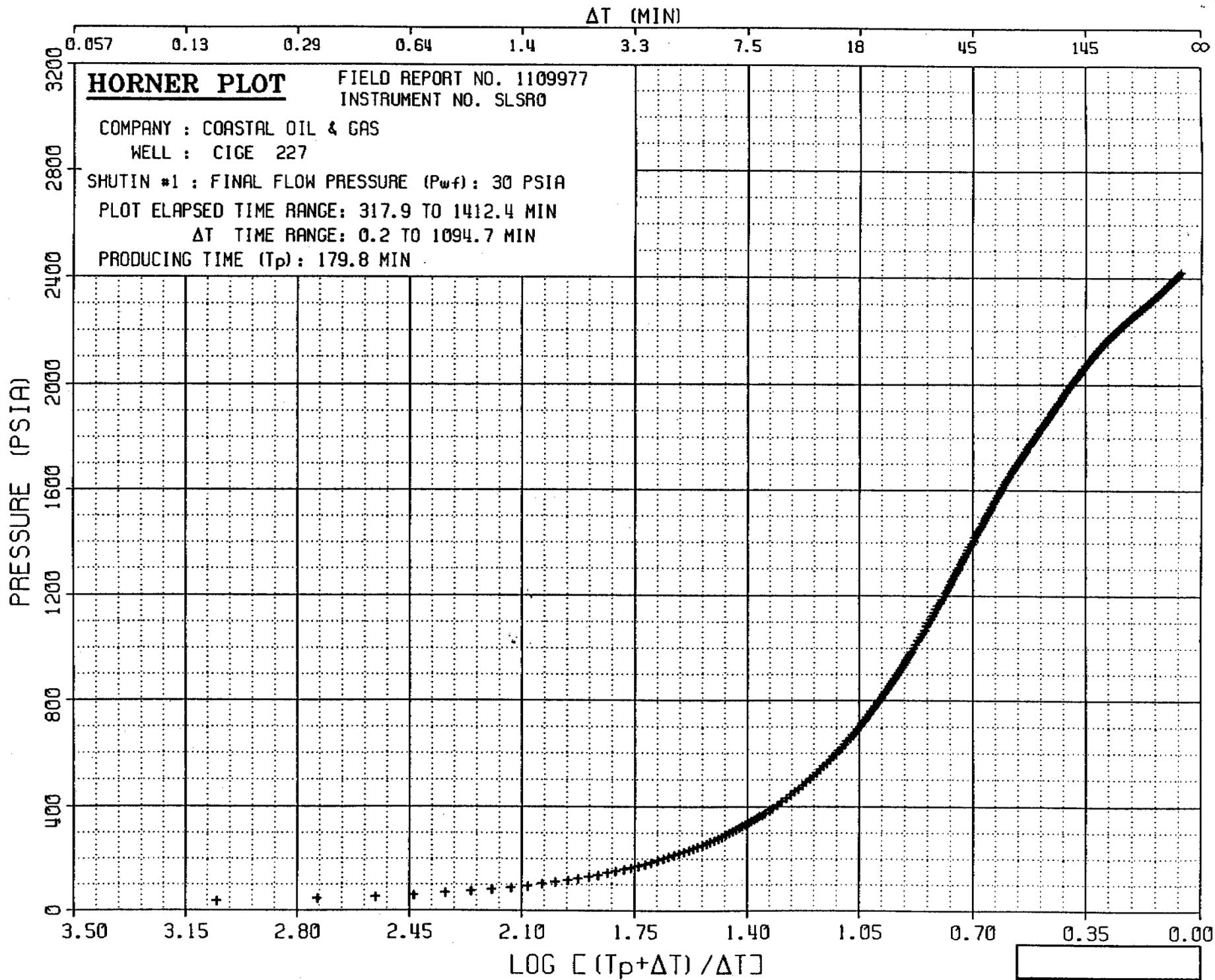
SHUTIN #1 : PRODUCING TIME (T_p) : 179.8 MIN

FINAL FLOW PRESSURE (P_{wf}) : 30 PSIA

PLOT ELAPSED TIME RANGE: 317.9 TO 1412.4 MIN

ΔT TIME RANGE: 0.2 TO 1094.7 MIN





 ** WELL TEST DATA PRINTOUT **

COMPANY: COASTAL OIL & GAS
 WELL: CIGE 227

FIELD REPORT NO. 1109977
 INSTRUMENT NO. SLSRO

RECORDER CAPACITY: 20000 PSI PORT OPENING: OUTSIDE DEPTH: 5438 FT

LABEL POINT INFORMATION

| # | TIME | | EXPLANATION | ELAPSED TIME, MIN | BOT HOLE | |
|---|--------------------|----------------|--------------------------|----------------------|------------------|----------------|
| | OF DAY HH:MM:SS | DATE DD-MMM | | | PRESSURE PSIA | TEMP. DEG F |
| 1 | 9:55:53 | 23-FEB | HYDROSTATIC MUD | 137.38 | 509.11 | 140.81 |
| 2 | 9:56:23 | 23-FEB | START FLOW | 137.88 | 102.66 | 140.92 |
| 3 | 12:56:13 | 23-FEB | END FLOW & START SHUT-IN | 317.72 | 29.98 | 142.70 |
| 4 | 7:10:53 | 24-FEB | END SHUT-IN | 1412.38 | 2417.95 | 144.66 |
| 5 | 7:15:13 | 24-FEB | HYDROSTATIC MUD | 1416.72 | 2403.45 | 144.59 |

SUMMARY OF FLOW PERIODS

| PERIOD | START ELAPSED TIME, MIN | END ELAPSED TIME, MIN | DURATION MIN | START PRESSURE PSIA | END PRESSURE PSIA | INITIAL PRESSURE PSIA |
|--------|-------------------------------|-----------------------------|-----------------|---------------------------|-------------------------|-----------------------------|
| 1 | 137.88 | 317.72 | 179.84 | 102.66 | 29.98 | 102.66 |

SUMMARY OF SHUTIN PERIODS

| PERIOD | START ELAPSED TIME, MIN | END ELAPSED TIME, MIN | DURATION MIN | START PRESSURE PSIA | END PRESSURE PSIA | FINAL FLOW PRESSURE PSIA | PRODUCING TIME, MIN |
|--------|-------------------------------|-----------------------------|-----------------|---------------------------|-------------------------|--------------------------------|------------------------|
| 1 | 317.72 | 1412.38 | 1094.66 | 29.98 | 2417.95 | 29.98 | 179.84 |

TEST PHASE: FLOW PERIOD # 1

| TIME OF DAY | DATE | ELAPSED TIME, MIN | DELTA TIME, MIN | BOT HOLE TEMP. DEG F | BOT HOLE PRESSURE PSIA |
|----------------|--------|----------------------|--------------------|----------------------------|------------------------------|
| HH:MM:SS | DD-MMM | | | | |
| 9:56:23 | 23-FEB | 137.88 | 0.00 | 140.92 | 102.66 |
| 10:11:23 | 23-FEB | 152.88 | 15.00 | 143.22 | 31.83 |
| 10:26:23 | 23-FEB | 167.88 | 30.00 | 143.51 | 31.62 |
| 10:41:23 | 23-FEB | 182.88 | 45.00 | 143.42 | 30.52 |
| 10:56:23 | 23-FEB | 197.88 | 60.00 | 143.28 | 30.12 |
| 11:11:23 | 23-FEB | 212.88 | 75.00 | 143.13 | 29.70 |
| 11:26:23 | 23-FEB | 227.88 | 90.00 | 143.01 | 29.48 |
| 11:41:23 | 23-FEB | 242.88 | 105.00 | 142.88 | 29.32 |
| 11:56:23 | 23-FEB | 257.88 | 120.00 | 142.74 | 29.11 |
| 12:11:23 | 23-FEB | 272.88 | 135.00 | 142.65 | 29.53 |
| 12:26:23 | 23-FEB | 287.88 | 150.00 | 142.66 | 29.19 |
| 12:41:23 | 23-FEB | 302.88 | 165.00 | 142.72 | 29.43 |
| 12:56:13 | 23-FEB | 317.72 | 179.84 | 142.70 | 29.98 |

TEST PHASE: SHUTIN PERIOD # 1

FINAL FLOW PRESSURE = 29.98 PSIA
PRODUCING TIME = 179.84 MIN

| TIME OF DAY | DATE | ELAPSED TIME, MIN | DELTA TIME, MIN | BOT HOLE TEMP. DEG F | BOT HOLE PRESSURE PSIA | DELTA P PSI | LOG HORNER TIME |
|----------------|--------|----------------------|--------------------|----------------------------|------------------------------|----------------|-----------------------|
| HH:MM:SS | DD-MMM | | | | | | |
| 12:56:13 | 23-FEB | 317.72 | 0.00 | 142.70 | 29.98 | 0.00 | |
| 12:57:13 | 23-FEB | 318.72 | 1.00 | 142.72 | 73.05 | 43.07 | 2.2573 |
| 12:58:13 | 23-FEB | 319.72 | 2.00 | 142.77 | 115.52 | 85.54 | 1.9587 |
| 12:59:13 | 23-FEB | 320.72 | 3.00 | 142.86 | 157.12 | 127.14 | 1.7849 |
| 13:00:13 | 23-FEB | 321.72 | 4.00 | 142.99 | 197.99 | 168.01 | 1.6624 |
| 13:01:13 | 23-FEB | 322.72 | 5.00 | 143.13 | 238.10 | 208.12 | 1.5678 |
| 13:02:13 | 23-FEB | 323.72 | 6.00 | 143.31 | 277.71 | 247.73 | 1.4910 |
| 13:03:13 | 23-FEB | 324.72 | 7.00 | 143.51 | 316.57 | 286.59 | 1.4264 |
| 13:04:13 | 23-FEB | 325.72 | 8.00 | 143.73 | 355.13 | 325.15 | 1.3707 |
| 13:05:13 | 23-FEB | 326.72 | 9.00 | 143.94 | 393.02 | 363.04 | 1.3219 |
| 13:06:13 | 23-FEB | 327.72 | 10.00 | 144.18 | 430.30 | 400.32 | 1.2784 |
| 13:08:13 | 23-FEB | 329.72 | 12.00 | 144.63 | 503.54 | 473.56 | 1.2038 |
| 13:10:13 | 23-FEB | 331.72 | 14.00 | 145.08 | 574.91 | 544.93 | 1.1413 |
| 13:12:13 | 23-FEB | 333.72 | 16.00 | 145.51 | 644.61 | 614.63 | 1.0878 |
| 13:14:13 | 23-FEB | 335.72 | 18.00 | 145.96 | 712.64 | 682.66 | 1.0410 |
| 13:16:13 | 23-FEB | 337.72 | 20.00 | 146.35 | 778.61 | 748.63 | 0.9997 |
| 13:18:13 | 23-FEB | 339.72 | 22.00 | 146.75 | 842.96 | 812.98 | 0.9626 |
| 13:20:13 | 23-FEB | 341.72 | 24.00 | 147.11 | 904.99 | 875.01 | 0.9291 |
| 13:22:13 | 23-FEB | 343.72 | 26.00 | 147.45 | 964.90 | 934.92 | 0.8986 |
| 13:24:13 | 23-FEB | 345.72 | 28.00 | 147.78 | 1022.41 | 992.43 | 0.8706 |
| 13:26:13 | 23-FEB | 347.72 | 30.00 | 148.06 | 1077.22 | 1047.24 | 0.8448 |
| 13:31:13 | 23-FEB | 352.72 | 35.00 | 148.69 | 1202.70 | 1172.72 | 0.7880 |
| 13:36:13 | 23-FEB | 357.72 | 40.00 | 149.16 | 1312.58 | 1282.60 | 0.7400 |
| 13:41:13 | 23-FEB | 362.72 | 45.00 | 149.49 | 1407.73 | 1377.75 | 0.6987 |
| 13:46:13 | 23-FEB | 367.72 | 50.00 | 149.70 | 1489.06 | 1459.08 | 0.6625 |
| 13:51:13 | 23-FEB | 372.72 | 55.00 | 149.77 | 1558.98 | 1529.00 | 0.6304 |
| 13:56:13 | 23-FEB | 377.72 | 60.00 | 149.77 | 1619.11 | 1589.13 | 0.6018 |
| 14:01:13 | 23-FEB | 382.72 | 65.00 | 149.70 | 1670.96 | 1640.98 | 0.5760 |
| 14:06:13 | 23-FEB | 387.72 | 70.00 | 149.59 | 1716.10 | 1686.12 | 0.5526 |
| 14:11:13 | 23-FEB | 392.72 | 75.00 | 149.43 | 1755.91 | 1725.93 | 0.5312 |

TEST PHASE: SHUTIN PERIOD # 1

FINAL FLOW PRESSURE = 29.98 PSIA
PRODUCING TIME = 179.84 MIN

| TIME OF DAY | DATE | ELAPSED TIME, MIN | DELTA TIME, MIN | BOT HOLE TEMP. DEG F | BOT HOLE PRESSURE PSIA | DELTA P PSI | LOG HORNERS TIME |
|----------------|--------|----------------------|--------------------|----------------------------|------------------------------|----------------|------------------------|
| 14:16:13 | 23-FEB | 397.72 | 80.00 | 149.27 | 1791.30 | 1761.32 | 0.5116 |
| 14:21:13 | 23-FEB | 402.72 | 85.00 | 149.11 | 1823.72 | 1793.74 | 0.4936 |
| 14:26:13 | 23-FEB | 407.72 | 90.00 | 148.95 | 1853.71 | 1823.73 | 0.4769 |
| 14:31:13 | 23-FEB | 412.72 | 95.00 | 148.78 | 1881.16 | 1851.18 | 0.4614 |
| 14:36:13 | 23-FEB | 417.72 | 100.00 | 148.62 | 1906.56 | 1876.58 | 0.4469 |
| 14:41:13 | 23-FEB | 422.72 | 105.00 | 148.48 | 1930.24 | 1900.26 | 0.4334 |
| 14:46:13 | 23-FEB | 427.72 | 110.00 | 148.35 | 1952.49 | 1922.51 | 0.4208 |
| 14:51:13 | 23-FEB | 432.72 | 115.00 | 148.23 | 1973.25 | 1943.27 | 0.4089 |
| 14:56:13 | 23-FEB | 437.72 | 120.00 | 148.10 | 1992.28 | 1962.30 | 0.3977 |
| 15:01:13 | 23-FEB | 442.72 | 125.00 | 147.99 | 2009.85 | 1979.87 | 0.3872 |
| 15:06:13 | 23-FEB | 447.72 | 130.00 | 147.88 | 2025.87 | 1995.89 | 0.3772 |
| 15:11:13 | 23-FEB | 452.72 | 135.00 | 147.76 | 2040.52 | 2010.54 | 0.3678 |
| 15:16:13 | 23-FEB | 457.72 | 140.00 | 147.65 | 2054.18 | 2024.20 | 0.3588 |
| 15:21:13 | 23-FEB | 462.72 | 145.00 | 147.56 | 2066.77 | 2036.79 | 0.3503 |
| 15:26:13 | 23-FEB | 467.72 | 150.00 | 147.45 | 2078.78 | 2048.80 | 0.3422 |
| 15:31:13 | 23-FEB | 472.72 | 155.00 | 147.36 | 2090.44 | 2060.46 | 0.3345 |
| 15:36:13 | 23-FEB | 477.72 | 160.00 | 147.27 | 2101.39 | 2071.41 | 0.3272 |
| 15:41:13 | 23-FEB | 482.72 | 165.00 | 147.18 | 2111.73 | 2081.75 | 0.3201 |
| 15:46:13 | 23-FEB | 487.72 | 170.00 | 147.09 | 2121.57 | 2091.59 | 0.3134 |
| 15:51:13 | 23-FEB | 492.72 | 175.00 | 147.02 | 2130.83 | 2100.85 | 0.3070 |
| 15:56:13 | 23-FEB | 497.72 | 180.00 | 146.95 | 2139.55 | 2109.57 | 0.3008 |
| 16:11:13 | 23-FEB | 512.72 | 195.00 | 146.75 | 2162.80 | 2132.82 | 0.2838 |
| 16:26:13 | 23-FEB | 527.72 | 210.00 | 146.57 | 2182.74 | 2152.76 | 0.2687 |
| 16:41:13 | 23-FEB | 542.72 | 225.00 | 146.41 | 2199.96 | 2169.98 | 0.2551 |
| 16:56:13 | 23-FEB | 557.72 | 240.00 | 146.26 | 2214.96 | 2184.98 | 0.2429 |
| 17:11:13 | 23-FEB | 572.72 | 255.00 | 146.14 | 2227.80 | 2197.82 | 0.2318 |
| 17:26:13 | 23-FEB | 587.72 | 270.00 | 146.03 | 2238.97 | 2208.99 | 0.2217 |
| 17:41:13 | 23-FEB | 602.72 | 285.00 | 145.92 | 2249.24 | 2219.26 | 0.2125 |
| 17:56:13 | 23-FEB | 617.72 | 300.00 | 145.83 | 2258.34 | 2228.36 | 0.2040 |
| 18:11:13 | 23-FEB | 632.72 | 315.00 | 145.72 | 2266.56 | 2236.58 | 0.1962 |
| 18:26:13 | 23-FEB | 647.72 | 330.00 | 145.65 | 2274.00 | 2244.02 | 0.1889 |
| 18:41:13 | 23-FEB | 662.72 | 345.00 | 145.56 | 2281.17 | 2251.19 | 0.1822 |
| 18:56:13 | 23-FEB | 677.72 | 360.00 | 145.51 | 2288.06 | 2258.08 | 0.1760 |
| 19:11:13 | 23-FEB | 692.72 | 375.00 | 145.45 | 2294.60 | 2264.62 | 0.1701 |
| 19:26:13 | 23-FEB | 707.72 | 390.00 | 145.40 | 2300.64 | 2270.66 | 0.1647 |
| 19:41:13 | 23-FEB | 722.72 | 405.00 | 145.35 | 2306.32 | 2276.34 | 0.1596 |
| 19:56:13 | 23-FEB | 737.72 | 420.00 | 145.31 | 2311.47 | 2281.49 | 0.1548 |
| 20:11:13 | 23-FEB | 752.72 | 435.00 | 145.27 | 2316.30 | 2286.32 | 0.1503 |
| 20:26:13 | 23-FEB | 767.72 | 450.00 | 145.24 | 2320.73 | 2290.75 | 0.1460 |
| 20:41:13 | 23-FEB | 782.72 | 465.00 | 145.18 | 2324.98 | 2295.00 | 0.1420 |
| 20:56:13 | 23-FEB | 797.72 | 480.00 | 145.17 | 2329.09 | 2299.11 | 0.1382 |
| 21:11:13 | 23-FEB | 812.72 | 495.00 | 145.13 | 2333.25 | 2303.27 | 0.1346 |
| 21:26:13 | 23-FEB | 827.72 | 510.00 | 145.11 | 2337.10 | 2307.12 | 0.1312 |
| 21:41:13 | 23-FEB | 842.72 | 525.00 | 145.08 | 2340.68 | 2310.70 | 0.1279 |
| 21:56:13 | 23-FEB | 857.72 | 540.00 | 145.06 | 2344.34 | 2314.36 | 0.1248 |
| 22:11:13 | 23-FEB | 872.72 | 555.00 | 145.04 | 2347.78 | 2317.80 | 0.1219 |
| 22:26:13 | 23-FEB | 887.72 | 570.00 | 145.00 | 2351.29 | 2321.31 | 0.1191 |
| 22:41:13 | 23-FEB | 902.72 | 585.00 | 144.99 | 2354.50 | 2324.52 | 0.1164 |
| 22:56:13 | 23-FEB | 917.72 | 600.00 | 144.97 | 2357.56 | 2327.58 | 0.1139 |
| 23:11:13 | 23-FEB | 932.72 | 615.00 | 144.95 | 2360.52 | 2330.54 | 0.1114 |

TEST PHASE: SHUTIN PERIOD # 1

FINAL FLOW PRESSURE = 29.98 PSIA
PRODUCING TIME = 179.84 MIN

| TIME OF DAY | DATE | ELAPSED TIME, MIN | DELTA TIME, MIN | BOT HOLE TEMP. DEG F | BOT HOLE PRESSURE PSIA | DELTA P PSI | LOG HORNERS TIME |
|----------------|--------|----------------------|--------------------|----------------------------|------------------------------|----------------|------------------------|
| 23:26:13 | 23-FEB | 947.72 | 630.00 | 144.93 | 2363.40 | 2333.42 | 0.1091 |
| 23:41:13 | 23-FEB | 962.72 | 645.00 | 144.93 | 2366.13 | 2336.15 | 0.1068 |
| 23:56:13 | 23-FEB | 977.72 | 660.00 | 144.91 | 2368.68 | 2338.70 | 0.1047 |
| 0:11:13 | 24-FEB | 992.72 | 675.00 | 144.90 | 2371.41 | 2341.43 | 0.1026 |
| 0:26:13 | 24-FEB | 1007.72 | 690.00 | 144.88 | 2373.47 | 2343.49 | 0.1006 |
| 0:41:13 | 24-FEB | 1022.72 | 705.00 | 144.86 | 2375.95 | 2345.97 | 0.0987 |
| 0:56:13 | 24-FEB | 1037.72 | 720.00 | 144.84 | 2378.06 | 2348.08 | 0.0968 |
| 1:11:13 | 24-FEB | 1052.72 | 735.00 | 144.84 | 2380.29 | 2350.31 | 0.0951 |
| 1:26:13 | 24-FEB | 1067.72 | 750.00 | 144.82 | 2381.90 | 2351.92 | 0.0933 |
| 1:41:13 | 24-FEB | 1082.72 | 765.00 | 144.81 | 2383.74 | 2353.76 | 0.0917 |
| 1:56:13 | 24-FEB | 1097.72 | 780.00 | 144.81 | 2385.66 | 2355.68 | 0.0901 |
| 2:11:13 | 24-FEB | 1112.72 | 795.00 | 144.79 | 2387.78 | 2357.80 | 0.0886 |
| 2:26:13 | 24-FEB | 1127.72 | 810.00 | 144.79 | 2389.93 | 2359.95 | 0.0871 |
| 2:41:13 | 24-FEB | 1142.72 | 825.00 | 144.77 | 2391.90 | 2361.92 | 0.0856 |
| 2:56:13 | 24-FEB | 1157.72 | 840.00 | 144.77 | 2394.09 | 2364.11 | 0.0843 |
| 3:11:13 | 24-FEB | 1172.72 | 855.00 | 144.77 | 2396.35 | 2366.37 | 0.0829 |
| 3:26:13 | 24-FEB | 1187.72 | 870.00 | 144.75 | 2397.94 | 2367.96 | 0.0816 |
| 3:41:13 | 24-FEB | 1202.72 | 885.00 | 144.75 | 2399.81 | 2369.83 | 0.0803 |
| 3:56:13 | 24-FEB | 1217.72 | 900.00 | 144.73 | 2401.20 | 2371.22 | 0.0791 |
| 4:11:13 | 24-FEB | 1232.72 | 915.00 | 144.73 | 2402.67 | 2372.69 | 0.0779 |
| 4:26:13 | 24-FEB | 1247.72 | 930.00 | 144.72 | 2404.23 | 2374.25 | 0.0768 |
| 4:41:13 | 24-FEB | 1262.72 | 945.00 | 144.72 | 2405.78 | 2375.80 | 0.0757 |
| 4:56:13 | 24-FEB | 1277.72 | 960.00 | 144.72 | 2407.28 | 2377.30 | 0.0746 |
| 5:11:13 | 24-FEB | 1292.72 | 975.00 | 144.70 | 2408.43 | 2378.45 | 0.0735 |
| 5:26:13 | 24-FEB | 1307.72 | 990.00 | 144.70 | 2409.53 | 2379.55 | 0.0725 |
| 5:41:13 | 24-FEB | 1322.72 | 1005.00 | 144.68 | 2410.74 | 2380.76 | 0.0715 |
| 5:56:13 | 24-FEB | 1337.72 | 1020.00 | 144.68 | 2412.04 | 2382.06 | 0.0705 |
| 6:11:13 | 24-FEB | 1352.72 | 1035.00 | 144.68 | 2413.15 | 2383.17 | 0.0696 |
| 6:26:13 | 24-FEB | 1367.72 | 1050.00 | 144.66 | 2414.55 | 2384.57 | 0.0687 |
| 6:41:13 | 24-FEB | 1382.72 | 1065.00 | 144.66 | 2415.81 | 2385.83 | 0.0678 |
| 6:56:13 | 24-FEB | 1397.72 | 1080.00 | 144.66 | 2417.01 | 2387.03 | 0.0669 |
| 7:10:53 | 24-FEB | 1412.38 | 1094.66 | 144.66 | 2417.95 | 2387.97 | 0.0661 |

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

U-01791

6. If Indian, Allottee or Tribe Name

N/A

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

8. Well Name and No.

CIGE 227-9-10-21

9. API Well No.

43-047-32998

10. Field and Pool, or exploratory Area

Natural Buttes Field

11. County or Parish, State

Uintah UT

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Coastal Oil & Gas Corporation

3. Address and Telephone No.

P.O. Box 749, Denver, CO 80201-0749 (303) 573-4455

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

947' FSL & 523' FEL
SESE, Section 9-T10S-R21E

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

TYPE OF SUBMISSION

Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

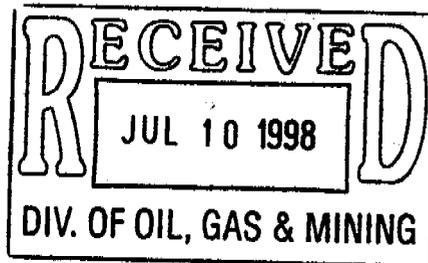
Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other Lower Tbg

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

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

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

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



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

Signed

Sheila Bremer

Title

Sheila Bremer
Environmental & Safety Analyst

Date

7/8/98

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

THE COASTAL CORPORATION
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

CIGE #227

Page 1

Natural Buttes Field

Uintah County, UT

PBTD 6556'

Perfs: 4772'-6455'

Prod csg: 4.5" @ 6600'

Drill & Complete / Lower Tubing

06/12/98 **Check & put on prod.** MIRU rig & equip f/NBU #187. Blow dn. ND WH, NU BOPS. Talley, PU & RIH w/2-3/8" tbg. Tag fill @ 6520', 65' below btm perf. POOH w/2-3/8" tbg. Land tbg w/EOT @ 6437', SN @ 6402'. Broach top 2000'. ND BOPS, NU WH. RU swab. Made 5 runs, in 2 hrs, rec 18 BW. IFL 5500', FFL 6402' SN. ITP 80#. ICP 200#, FCP 150#. SI for PBU. RD rig & equip. SWIFN. **Final Report.**
DC: \$9,679

CC: \$478,469

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

U-01791

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

Natural Buttes Unit

8. Well Name and No.

CIGE 227-9-10-21

9. API Well No.

43-047-32998

10. Field and Pool, or exploratory Area

Natural Buttes Field

11. County or Parish, State

Uintah UT

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Coastal Oil & Gas Corporation

3. Address and Telephone No.

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

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

947' FSL & 523' FEL
SESE, Section 9-T10S-R21E

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

TYPE OF SUBMISSION

Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

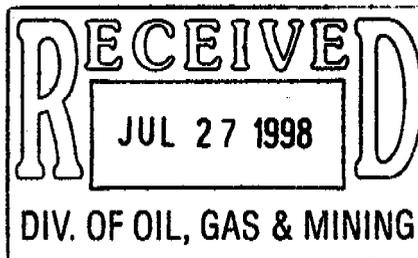
Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other Cmt 8 5/8" - 4 1/2" csg
 Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-Off
 Conversion to Injection
 Dispose Water

annulus

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

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

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



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

Signed

Bonnie Carson

Title

Bonnie Carson

Senior Environmental Analyst

Date

7/23/98

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

Cmt 8-5/8" - 4-1/2" Csg Annulus

07/10/98 **Well on prod.** RU Dowell to 8-5/8" - 4-1/2" csg annulus f/top dn job. Pmp 20 bbls LCM pill. Lead w/65 sx class "G" w/add, wt 11.5 yield 3.18. Tail w/190 sx class "G" w/add, wt 11.5 yield 3.16. Flush w/1 BW. ISIP 0 psi, MP 0 psi @ 3.2 BPM. AP 0 psi @ 2 BPM. Wash up & RD Dowell. Open csg valve w/blow. **Final Report.**
DC: \$8,123

CC: \$8,123

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires July 31, 1996

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Serial No.

U-01791

6. If Indian, Allottee or Tribe Name

N/A

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

8. Well Name and No.
CIGE 227-9-10-21

9. API Well No.
43-047-32998

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

11. County or Parish, State
Uintah UT

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Coastal Oil & Gas Corporation

3a. Address

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

3b. Phone No. (include area code)

(303) 573-4455

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

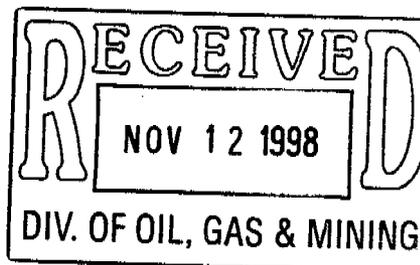
947' FSL & 523' FEL
SESE, Section 9-T10S-R21E

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 <u>Site Security Plan</u> |

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

Please see the attached updated site security diagram for the subject well.



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

Name (Printed/Typed)

Sheila Bremer

Title

Environmental & Safety Analyst

Date

11/9/98

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

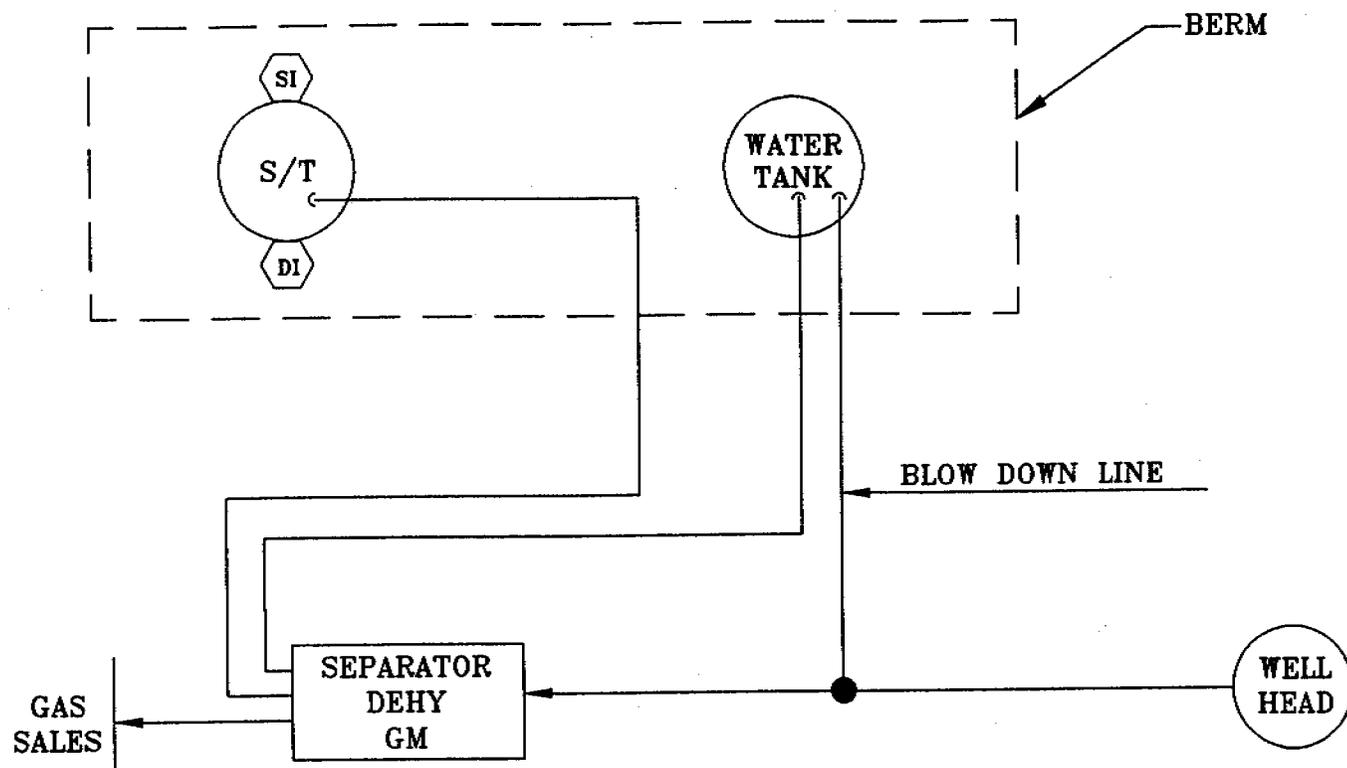
Date

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

Office

Title 18 U.S.C. Section 1001, 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.

(Instructions on reverse)



This lease is subject to the site security plan for the Natural Buttes Field for Coastal Oil & Gas. The plan is located at: Coastal Oil & Gas Corp. Vernal District Office 1176 East 1500 South Vernal, UT 84078

 **Coastal Oil & Gas Corporation**
A SUBSIDIARY OF THE COASTAL CORPORATION
The Energy People

CIGE #227-9-10-21

SE SE SEC. 9 T10S-R21E

U-01791

CIGE #227

POSITION OF VALVES AND USE OF SEALS DURING PRODUCTION

| VALVE | LINE PURPOSE | POSITION | SEAL INSTALLED |
|-------|--------------|----------|----------------|
| D1 | Drain | Closed | Yes |
| S1 | Sales | Closed | Yes |

POSITION OF VALVES AND USE OF SEALS DURING SALES

| VALVE | LINE PURPOSE | POSITION | SEAL INSTALLED |
|-------|--------------|----------|----------------|
| D1 | Drain | Closed | Yes |
| S1 | Sales | Open | No |

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

COUNTY: _____ STATE: UTAH

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

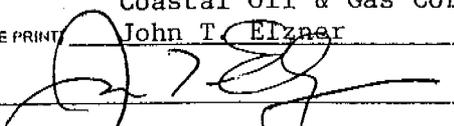
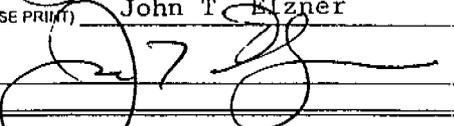
| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|--|---|---|---|
| <input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____ | <input type="checkbox"/> ACIDIZE | <input type="checkbox"/> DEEPEN | <input type="checkbox"/> REPERFORATE CURRENT FORMATION |
| | <input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

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

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

See Exhibit "A"

Bond # 400JU0708

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

(This space for State use only)

RECEIVED
JUN 19 2001
DIVISION OF
OIL, GAS AND MINING

State of Delaware
Office of the Secretary of State

PAGE 1

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

RECEIVED

FEB 14 2001

DIVISION OF
OIL, GAS AND MINING



Harriet Smith Windsor
Harriet Smith Windsor, Secretary of State

0610204 8100

010162788

AUTHENTICATION: 1061007

DATE: 04-03-01

CERTIFICATE OF AMENDMENT

OF

CERTIFICATE OF INCORPORATION

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

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

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

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

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

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

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

COASTAL OIL & GAS CORPORATION

David L. Siddall

David L. Siddall
Vice President

Attest:

Margaret E. Roark

Margaret E. Roark, Assistant Secretary

RECEIVED

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

JUN 19 2001

DIVISION OF
OIL, GAS AND MINING



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

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

RECEIVED

JUL 12 2001

DIVISION OF
OIL, GAS AND MINING

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

JUL 10 2001

NOTICE

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

Name Change Recognized

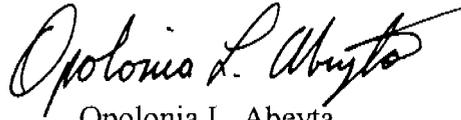
Acceptable evidence has been received in this office concerning the name change of Coastal Oil & Gas Corporation into El Paso Production Oil & Gas Company with El Paso Production Oil & Gas Company being the surviving entity.

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

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

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

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



Opolonia L. Abeyta
Acting Chief, Branch of
Minerals Adjudication

Enclosure

1. Exhibit of Leases (1 pp)

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

Exhibit of Leases

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

OPERATOR CHANGE WORKSHEET

ROUTING

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

Enter date after each listed item is completed

Change of Operator (Well Sold)

Designation of Agent

Operator Name Change (Only)

X Merger

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

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

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

CA No.

Unit: NATURAL BUTTES

WELL(S)

| NAME | API NO | ENTITY NO | SEC TWN RNG | LEASE TYPE | WELL TYPE | WELL STATUS |
|------------------------|--------------|-----------|-------------|------------|-----------|-------------|
| NBU CIGE 4-9-10-21 | 43-047-30334 | 2900 | 09-10S-21E | FEDERAL | GW | P |
| NBU CIGE 76D-9-10-21P | 43-047-30955 | 2900 | 09-10S-21E | FEDERAL | GW | P |
| NBU 206-9 | 43-047-31165 | 2900 | 09-10S-21E | FEDERAL | GW | P |
| CIGE 101D-9-10-21 | 43-047-31736 | 2900 | 09-10S-21E | FEDERAL | GW | P |
| 302-9E | 43-047-32010 | 2900 | 09-10S-21E | FEDERAL | GW | P |
| CIGE 150-9-10-21 | 43-047-32058 | 2900 | 09-10S-21E | FEDERAL | GW | P |
| CIGE 227-9-10-21 | 43-047-32998 | 2900 | 09-10S-21E | FEDERAL | GW | P |
| NBU 431-9E | 43-047-33069 | 2900 | 09-10S-21E | FEDERAL | GW | S |
| CIGE 254 | 43-047-33723 | 2900 | 09-10S-21E | FEDERAL | GW | P |
| NBU CIGE 57-10-10-21 | 43-047-30543 | 2900 | 10-10S-21E | FEDERAL | GW | P |
| NBU CIGE 77D-10-10-21P | 43-047-30956 | 2900 | 10-10S-21E | FEDERAL | GW | P |
| NBU 115 | 43-047-31929 | 2900 | 10-10S-21E | FEDERAL | GW | P |
| CIGE 139-10-10-21 | 43-047-31986 | 2900 | 10-10S-21E | FEDERAL | GW | P |
| CIGE 151-10-10-21 | 43-047-32059 | 2900 | 10-10S-21E | FEDERAL | GW | P |
| NBU 266 | 43-047-32941 | 2900 | 10-10S-21E | FEDERAL | GW | P |
| NBU 267 | 43-047-32942 | 2900 | 10-10S-21E | FEDERAL | GW | P |
| NBU 332 | 43-047-33640 | 2900 | 10-10S-21E | FEDERAL | GW | P |
| NBU 366 | 43-047-33729 | 2900 | 10-10S-21E | FEDERAL | GW | DRL |
| NBU 268 (CA NW-127) | 43-047-33001 | 2900 | 11-10S-21E | FEDERAL | GW | P |
| NBU 215 (CA NW-127) | 43-047-32471 | 2900 | 12-10S-21E | 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 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: 08/06/2001
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 08/06/2001
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

STATE BOND VERIFICATION:

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

FEDERAL BOND VERIFICATION:

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

FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:

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

FILMING:

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

FILING:

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

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

JAN. 17. 2003 3:34PM

WESTPORT

NO. 173 P. 2

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

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

February 1, 2002

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

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

Dear Ms. Maxwell:

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

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

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

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

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

Debby J. Black
Engineer Technician

Encl:

memorandum

Branch of Real Estate Services
Uintah & Ouray Agency

Date: 5 December, 2002

Reply to
Attn of: Supervisory Petroleum Engineer

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

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

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

We have no objection.

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

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

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



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



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 **RECEIVED**

BUREAU OF LAND MANAGEMENT

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

FEB 22 2002

DIVISION OF
OIL, GAS AND MINING

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

FEB 21 2002

NOTICE

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

Name Change Recognized

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

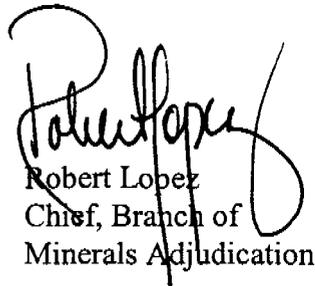
For our purposes, the name change is recognized effective December 31, 2001.

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

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

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

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



Robert Lopez
Chief, Branch of
Minerals Adjudication

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



United States Department of the Interior

BUREAU OF 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.

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL

OIL WELL GAS WELL OTHER _____

8. WELL NAME and NUMBER:

Exhibit "A"

2. NAME OF OPERATOR:

El Paso Production Oil & Gas Company

9. API NUMBER:

3. ADDRESS OF OPERATOR:

9 Greenway Plaza CITY Houston

STATE TX

ZIP 77064-0995

PHONE NUMBER:

(832) 676-5933

10. FIELD AND POOL, OR WILDCAT:

4. LOCATION OF WELL

FOOTAGES AT SURFACE:

COUNTY:

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE:

UTAH

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

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

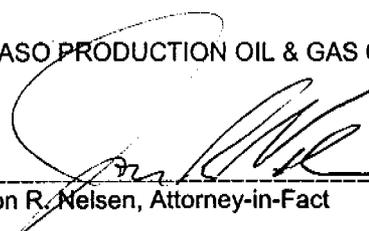
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

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

BOND # _____

State Surety Bond No. RLB0005236
Fee Bond No. RLB0005238

EL PASO PRODUCTION OIL & GAS COMPANY

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

RECEIVED

FEB 28 2003

DIV. OF OIL, GAS & MINING

WESTPORT OIL AND GAS COMPANY, L.P.

NAME (PLEASE PRINT)

David R. Dix

TITLE

Agent and Attorney-in-Fact

SIGNATURE



DATE

12/17/02

(This space for State use only)

Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

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

6. If Indian, Allottee or Tribe Name

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

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

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

10. Field and Pool, or Exploratory Area

11. County or Parish, State
UINTAH COUNTY, UT

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

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

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

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

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

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

| TYPE OF SUBMISSION | TYPE OF ACTION |
|---|--|
| <input type="checkbox"/> Notice of Intent | <input type="checkbox"/> Acidize <input type="checkbox"/> Deepen <input type="checkbox"/> Production (Start/Resume) <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Reclamation <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Casing Repair <input type="checkbox"/> New Construction <input type="checkbox"/> Recomplete <input checked="" type="checkbox"/> Other |
| | <input type="checkbox"/> Change Plans <input type="checkbox"/> Plug and Abandon <input type="checkbox"/> Temporarily Abandon |
| | <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 zone. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed if testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator determined that the site is ready for final inspection.

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

RECEIVED
MAR 04 2003

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

Name (Printed/Typed) **CHERYL CAMERON** Title **OPERATIONS**

Signature *Cheryl Cameron* Date **March 4, 2003**

THIS SPACE FOR FEDERAL OR STATE USE

Approved by _____ Title _____ Date _____

Office _____

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

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

(Instructions on reverse)

OPERATOR CHANGE WORKSHEET

ROUTING

| |
|---------|
| 1. GLH |
| 2. CDW |
| 3. FILE |

X Change of Operator (Well Sold)

Designation of Agent/Operator

Operator Name Change

Merger

| | |
|--|-------------------------------|
| The operator of the well(s) listed below has changed, effective: 12-17-02 | |
| FROM: (Old Operator): | TO: (New Operator): |
| 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 1-7B | 07-10S-21E | 43-047-30261 | 2900 | FEDERAL | GW | P |
| NBU CIGE 13-7-10-21 | 07-10S-21E | 43-047-30420 | 2900 | FEDERAL | GW | P |
| NBU CIGE 94D-7-10-21J | 07-10S-21E | 43-047-31164 | 2900 | FEDERAL | GW | P |
| CIGE 167-7-10-21 | 07-10S-21E | 43-047-32142 | 2900 | FEDERAL | GW | S |
| CIGE 182-7-10-21 | 07-10S-21E | 43-047-32481 | 2900 | FEDERAL | GW | P |
| CIGE 200-7 | 07-10S-21E | 43-047-31139 | 2900 | FEDERAL | GW | PA |
| NBU 13-8B | 08-10S-21E | 43-047-30294 | 2900 | FEDERAL | GW | P |
| CIGE 7-8-10-21 | 08-10S-21E | 43-047-30358 | 2900 | FEDERAL | GW | P |
| NBU CIGE 75D-8-10-21P | 08-10S-21E | 43-047-30954 | 2900 | FEDERAL | GW | P |
| NBU FEDERAL 205-8J | 08-10S-21E | 43-047-31238 | 2900 | FEDERAL | GW | P |
| CIGE 102D-8-10-21 | 08-10S-21E | 43-047-31741 | 2900 | FEDERAL | GW | S |
| NBU 332-8E | 08-10S-21E | 43-047-32148 | 2900 | FEDERAL | GW | S |
| CIGE 149-8-10-21 | 08-10S-21E | 43-047-32056 | 2900 | FEDERAL | GW | P |
| CIGE 207-8-10-21 | 08-10S-21E | 43-047-32975 | 2900 | FEDERAL | GW | P |
| CIGE 208-8-10-21 | 08-10S-21E | 43-047-32995 | 2900 | FEDERAL | GW | P |
| NBU 508-8E | 08-10S-21E | 43-047-33124 | 2900 | FEDERAL | GW | P |
| CIGE 227-9-10-21 | 09-10S-21E | 43-047-32998 | 2900 | FEDERAL | GW | P |
| NBU 431-9E | 09-10S-21E | 43-047-33069 | 2900 | FEDERAL | GW | S |
| CIGE 254 | 09-10S-21E | 43-047-33723 | 2900 | FEDERAL | GW | P |
| CIGE 150-9-10-21 | 09-10S-21E | 43-047-32058 | 2900 | FEDERAL | 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 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: 03/19/2003

2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 03/19/2003

3. Bond information entered in RBDMS on: N/A

4. Fee wells attached to bond in RBDMS on: N/A

STATE WELL(S) BOND VERIFICATION:

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

FEDERAL WELL(S) BOND VERIFICATION:

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

INDIAN WELL(S) BOND VERIFICATION:

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

FEE WELL(S) BOND VERIFICATION:

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

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

The Division sent response by letter on: N/A

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Serial No.
Multiple Wells - see attached

6. If Indian, Allottee or Tribe Name

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

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

9. API Well No.
Multiple Wells - see attached

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

11. County or Parish, State
Uintah County, UT

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

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

3a. Address **P.O. BOX 1148 VERNAL, UT 84078**
3b. Phone No. (include area code) **(435) 781-**

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

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 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.

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.

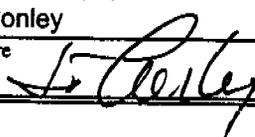
The volume lost to shrinkage by dropping the tank pressure from 6 ozs. to 0 psig is shown to be 0.3% of the tank volume. This was determined by lab analysis of a representative sample from the field. The sample shrunk from 98.82% of original volume to 98.52% when the pressure was dropped. The average 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

Signature



COPY SENT TO OPERATOR

Date: **9-16-03**
Initials: **CHD** Date

Operations Manager

9-2-2003

SEP 10 2003

DIV. OF OIL, GAS & MINING

Approved by

Title

Accepted by the

Utah Division of Oil, Gas and Mining

Date

Federal Approval of This Action Is Necessary

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

Office

Date: **9/16/03**

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

Westport Oil & Gas, L.P.

Project Economic Worksheet

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

Project Name: **Condensate Shrinkage Economics**

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

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

Increased OPX Per Year

Investment Breakdown:

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

Production & OPX Detail:

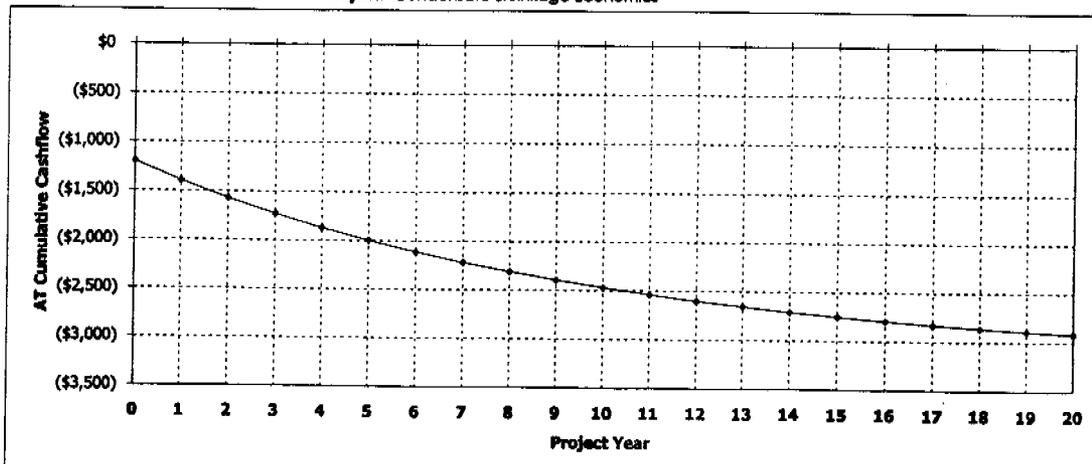
| | Before | After | Difference |
|-----------------|------------|------------|------------|
| Oil Production | 0.192 BOPD | 0.194 BOPD | 0.002 BOPD |
| Gas Production | 0 MCFPD | 0 MCFPD | 0 MCFPD |
| Wir Production | 0 BWPD | 0 BWPD | 0 BWPD |
| Horse Power | HP | HP | HP |
| Fuel Gas Burned | MCFPD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

| | |
|---|---|
| <p>Project Life: Life = <input type="text" value="20.0"/> Years (Life no longer than 20 years)</p> <p>Internal Rate of Return: After Tax IROR = <input type="text" value="#DIV/0!"/></p> <p>AT Cum Cashflow: Operating Cashflow = <input type="text" value="(\$2,917)"/> (Discounted @ 10%)</p> <p>Gross Reserves: Oil Reserves = <input type="text" value="4"/> BO Gas Reserves = <input type="text" value="0"/> MCF Gas Equiv Reserves = <input type="text" value="38"/> MCFE</p> | <p>Payout Calculation:</p> <p>Payout = $\frac{\text{Total Investment}}{\text{Sum(OPX + Incremental Revenue)}} = 1$</p> <p>Payout occurs when total AT cashflow equals investment See graph below, note years when cashflow reaches zero</p> <p>Payout = <input type="text" value="NEVER"/> Years or <input type="text" value="#VALUE!"/> Days</p> |
|---|---|

Notes/Assumptions:

An average NBU well produces 0.192 Bcpd with no tank pressure. The production is increased to 0.194 Bcpd if 4 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 172 | 25-9-21 SWNE | U01189 | 891008900A | 430473232500S1 ✓ |
| CIGE 173 | 32-9-22 SWNW | ML22649 | 891008900A | 430473232400S1 ✓ |
| CIGE 174 | 33-9-22 NESW | UTU01191A | 891008900A | 430473232300S1 |
| CIGE 177 | 1-10-20 NENW | UTU02270A | 891008900A | 430473232200S1 |
| CIGE 178 | 5-10-22 NWNW | UTU01195 | 891008900A | 430473233000S1 |
| CIGE 179 | 6-10-22 SESW | UTU01195 | 891008900A | 430473240000S1 |
| CIGE 180 | 16-9-21 SESW | ML3141 | 891008900A | 430473247800S1 |
| CIGE 182 | 7-10-21 SESE | UTU02270A | 891008900A | 430473248100S1 |
| CIGE 183 | 20-9-21 NWSE | UTU0575 | 891008900A | 430473265600S1 |
| CIGE 186 | 35-9-22 NWSE | UTU010954A | 891008900A | 430473259000S1 |
| CIGE 187 | 13-10-20 NENW | UTU4485 | 891008900A | 430473260700S1 |
| CIGE 189 | 29-9-22 SWNW | UTU462 | 891008900A | 430473286300S1 |
| CIGE 190 | 32-9-22 NENE | ML22649 | 891008900A | 430473291200S1 |
| CIGE 193 | 35-9-22 SESE | UTU010954A | 891008900A | 430473297300S1 |
| CIGE 194 | 1-10-22 SWNW | U011336 | 891008900A | 430473293200S1 |
| CIGE 195 | 2-10-22 NWNE | ML22651 | 891008900A | 430473279700S1 ✓ |
| CIGE 196 | 6-10-22 SESE | UTU01195 | 891008900A | 430473300300S1 |
| CIGE 197 | 7-9-21 NWNE | UTU0149767 | 891008900A | 430473279800S1 |
| CIGE 198 | 9-9-21 NESE | UTU01188 | 891008900A | 430473279900S1 |
| CIGE 199 | 14-9-21 NENW | UTU01193 | 891008900A | 430473280100S1 |
| CIGE 200 | 16-9-21 SENW | UTU38409 | 891008900A | 430473280200S1 |
| CIGE 201 | 18-9-21 SENE | UTU0575 | 891008900A | 430473280400S1 |
| CIGE 202 | 21-9-21 SESE | UTU0576 | 891008900A | 430473280500S1 |
| CIGE 203 | 34-9-21 NWNE | UTU01194A | 891008900A | 430473288100S1 ✓ |
| CIGE 204 | 35-9-21 SWNE | ML22582 | 891008900A | 430473279400S1 ✓ |
| CIGE 205 | 1-10-21 SWNE | ML23612 | 891008900A | 430473279500S1 ✓ |
| CIGE 206 | 4-10-21 SESE | U01416 | 891008900A | 430473299600S1 |
| CIGE 207 | 8-10-21 NENE | UTU01791 | 891008900A | 430473297500S1 |
| CIGE 208 | 8-10-21 SWNE | UTU01791 | 891008900A | 430473299700S1 |
| CIGE 209 | 15-10-21 NENW | UTU01791A | 891008900A | 430473294300S1 |
| CIGE 210 | 16-10-21 NESE | ML10755 | 891008900A | 430473288800S1 |
| CIGE 212 | 34-9-22 NENE | UTU0149077 | 891008900A | 430473293800S1 |
| CIGE 213 | 33-9-22 SENW | UTU01191A | 891008900A | 430473293300S1 |
| CIGE 214 | 13-9-21 NESW | U01193 | 891008900A | 430473291800S1 |
| CIGE 215X | 15-9-21 NENE | UTU01188 | 891008900A | 430473369000S1 |
| CIGE 216 | 15-9-21 SWNE | UTU01193 | 891008900A | 430473292000S1 |
| CIGE 217 | 16-9-21 NWSW | ML3141 | 891008900A | 430473289800S1 |
| CIGE 218 | 19-9-21 NWNE | U0581 | 891008900A | 430473292100S1 |
| CIGE 219 | 29-9-22 NESW | U01207 | 891008900A | 430473286400S1 ✓ |
| CIGE 220 | 31-9-22 SWNE | U10530A | 891008900A | 430473288400S1 ✓ |
| CIGE 221 | 36-9-22 SWSW | ML22650 | 891008900A | 430473286800S1 ✓ |
| CIGE 222 | 36-9-22 NESW | ML22650 | 891008900A | 430473286900S1 ✓ |
| CIGE 223 | 1-10-22 NWNW | U011336 | 891008900A | 430473298300S1 |
| CIGE 224 | 2-10-21 SWNE | ML2252 | 891008900A | 430473288300S1 ✓ |
| CIGE 225 | 3-10-21 SENW | UTU0149078 | 891008900A | 430473489500S1 |
| CIGE 226 | 3-10-21 SESW | U0149078 | 891008900A | 430473299500S1 |
| CIGE 227 | 9-10-21 SESE | UTU01791 | 891008900A | 430473299800S1 |
| CIGE 228 | 15-10-21 SWNE | UTU01416A | 891008900A | 430473299900S1 |
| CIGE 229 | 1-10-20 NWSW | UTU02270A | 891008900A | 430473300600S1 |
| CIGE 230 | 13-10-20 SENE | UTU02270A | 891008900A | 430473288500S1 |
| CIGE 231 | 7-9-21 SENE | UTU0575B | 891008900A | 430473302100S1 |
| CIGE 232 | 9-9-21 NENE | UTU01188A | 891008900A | 430473283600S1 |
| CIGE 233 | 21-9-21 NWNE | UTU0576 | 891008900A | 430473302200S1 |
| CIGE 234 | 25-9-21 SWNE | U01189 | 891008900A | 430473287300S1 ✓ |
| CIGE 235 | 25-9-21 NWSE | U01494 | 891008900A | 430473285800S1 ✓ |
| CIGE 236 | 34-9-21 SESE | U01194A | 891008900A | 430473286100S1 ✓ |
| CIGE 237 | 15-9-21 NWSE | UTU010950A | 891008900A | 430473387800S1 |
| CIGE 239 | 35-9-21 SENE | ML22582 | 891008900A | 430473320600S1 ✓ |
| CIGE 240 | 29-9-22 SENW | ML22935 | 891008900A | 430473320700S1 |
| CIGE 241 | 32-9-22 NENW | ML22649 | 891008900A | 430473320800S1 |
| CIGE 242 | 32-9-22 NW/NW | UTU01191A | 891008900A | 430473402200S1 |

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

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

X Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective: 1/6/2006

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

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

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

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

DATA ENTRY:

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

BOND VERIFICATION:

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

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

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

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

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

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

5. Lease Serial No.
MULTIPLE LEASES

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
MUTIPLE WELLS

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State
UINTAH COUNTY, UTAH

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

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

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

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

RECEIVED
MAY 10 2006

BLM BOND = C01203
BIA BOND = RLB0005239

APPROVED 5/16/06

DIV. OF OIL, GAS & MINING

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

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

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

THIS SPACE FOR FEDERAL OR STATE USE

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

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

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

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

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

5. Lease Serial No.
MULTIPLE LEASES

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
MUTIPLE WELLS

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State
UINTAH COUNTY, UTAH

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

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

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

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

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

RECEIVED
 MAY 10 2006

DIV OF OIL, GAS & MINING

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

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

THIS SPACE FOR FEDERAL OR STATE USE

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

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



United States Department of the Interior

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

IN REPLY REFER TO:

CO922 (MM)
3106
COC017387 et. al.

March 23, 2006

NOTICE

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

Merger/Name Change - Recognized

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

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

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

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

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

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

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

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

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

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

Attachment:

List of OG Leases to each of the following offices:

MMS MRM, MS 357B-1

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

CO Field Offices

Wyoming State Office

Rider #1 to Bond WY2357

Rider #2 to Bond WY1865

Rider #3 to Bond WY1127



United States Department of the Interior



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

IN REPLY REFER TO:
3106
(UT-922)

March 27, 2006

Memorandum

To: Vernal Field Office

From: Chief, Branch of Fluid Minerals

Subject: Merger Approval

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

Chief, Branch of
Fluid Minerals

Enclosure

Approval letter from BLM COSO (2 pp)

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

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MAR 28 2006

DIV. OF OIL, GAS & MINERAL

| | | |
|--|---|---|
| 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: U-01791 |
| 1. TYPE OF WELL Gas Well | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| 2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P. | | 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES |
| 3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 | | 8. WELL NAME and NUMBER: CIGE 227 |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 0947 FSL 0523 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 09 Township: 10.0S Range: 21.0E Meridian: S | | 9. API NUMBER: 43047329980000 |
| PHONE NUMBER: 720 929-6515 Ext | | 9. FIELD and POOL or WILDCAT: NATURAL BUTTES |
| COUNTY: UINTAH | | STATE: UTAH |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA | | |
| TYPE OF SUBMISSION | TYPE OF ACTION | |
| <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: | <input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER | |
| <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/26/2011 | <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/> | |
| <input type="checkbox"/> SPUD REPORT Date of Spud: | <input type="checkbox"/> DRILLING REPORT Report Date: | |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. THE SUBJECT WELL WAS RETURNED BACK TO PRODUCTION ON 07/26/2011. | | |
| Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY | | |
| NAME (PLEASE PRINT) Sheila Wopsock | PHONE NUMBER 435 781-7024 | TITLE Regulatory Analyst |
| SIGNATURE N/A | DATE 8/5/2011 | |