

**DUPLICATE**

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

Form approved.  
Budget Bureau No. 42-R1425.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
 DRILL       DEEPEN       PLUG BACK

b. TYPE OF WELL  
 OIL WELL       GAS WELL       OTHER

2. NAME OF OPERATOR  
 Natural Gas Corporation of California

3. ADDRESS OF OPERATOR  
 85 South 200 East, Vernal, Utah 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)  
 At surface  
 1495' FWL, 1341' FNL, SE NW Section 5, T10S, R23E  
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 58 miles southeast of Vernal, Utah

5. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)      1341

6. NO. OF ACRES IN LEASE      1922.95

7. NO. OF ACRES ASSIGNED TO THIS WELL      320

8. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.      9000

9. PROPOSED DEPTH      9000

10. ROTARY OR CABLE TOOLS      Rotary

11. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 5280 Ungraded ground

12. APPROX. DATE WORK WILL START\*  
 Upon receipt of approval

5. LEASE DESIGNATION AND SERIAL NO.  
 U-33433

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
 Federal

9. WELL NO.  
 NGC #1-5

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 Section 5, T10S, R23E

12. COUNTY OR PARISH      13. STATE  
 Uintah      Utah

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48# New	200	250 sacks
12-1/4"	9-5/8"	36# K55 New	2500	300 sacks <b>NEED TO PROTECT</b>
7-7/8"	4-1/2"	11.6# N80 New	TD	As required. <b>OIL SHALE AND FRESH WATER</b>

Operator proposes to drill well to approximately 9000' to test the Mesaverde formation. 9-5/8", 36.0#, K-55 intermediate casing will be run and cemented to protect the oil shale section of the Green River formation. All water flows and significant hydrocarbon shows will be evaluated and reported. The well will be operated according to the attached well program and all applicable regulations. Adequate BOP equipment will be maintained at all times as indicated in the attached Pressure Control Specifications. If commercial production is encountered, 4-1/2", 11.6#, N-80 production casing will be run and cemented to adequately protect all potentially productive intervals. No abnormal pressures or temperatures or other potential hazards are anticipated.

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

24. SIGNED Wm Ryan TITLE Petroleum Engineer DATE December 22, 1980  
 (This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
 FOR E. W. GUYNN DISTRICT ENGINEER DATE MAR 10 1981  
 APPROVED BY (Orig. Sgd.) R. A. Henricks TITLE \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY:

cc: USGS; Div. OG&M, UT; EJGeIwick; ERHenry; CTCIark

NOTICE OF APPROVAL  
 State O+G

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A DATED 1/1/80

United States Department of the Interior  
 Geological Survey  
 2000 Administration Bldg.  
 1745 West 1700 South  
 Salt Lake City, Utah 84104

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator Natural Gas Corporation of California  
 Project Type Gas Well Drilling  
 Project Location 1495' FWL 1341' FNL Section 5, T. 10S, R. 23E  
 Well No. NGC #1-5 Lease No. U-33433  
 Date Project Submitted December 29, 1980

FIELD INSPECTION

Date February 3, 1981

Field Inspection  
 Participants

Greg Darlington	USGS, Vernal
Ron Rogers	BLM, Vernal
Larry England	BLM, Vernal
Bill Ryan	Natural Gas Corporation of California
Earl Cody	Ross Construction

Related Environmental Documents: Unit Resource Analysis, Bonanza Planning  
Unit, BLM, Vernal

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

February 4, 1981  
 Date Prepared

Gregory Darlington  
 Environmental Scientist

I concur

2/10/81  
 Date

EW Sney  
 District Supervisor

PROPOSED ACTION:

National Gas Corporation of California proposes to drill the NGC #1-5 well, a 9000 foot gas test of the Mesaverde and Castlegate formations. A new access road of .8 miles length and 18 foot driving surface crowned road is proposed. Several dry wash low water crossings and a crossing of Enserch's major gathering line for Natural Gas from nearby wells are involved along the new access road. Some short steep pitches will be smoothed out along the flagged access route when the road is built. A pad 175 feet by 325 feet is proposed for the location and pits 100 feet by 150 feet are requested. The estimated area of new disturbance for this proposed project is about 3.4 acres.

RECOMMENDED CONDITIONS OF APPROVAL:

Drilling should be approved provided the operator agrees to incorporate the following additional measures into the drilling plans and APD and adhere to them:

1. Lease Stipulations
2. BLM Stipulations
3. An adequate pipeline crossing will be built.
4. Adequate logs will be provided as requested by the Mineral Evaluation Report and Mining Report for the identification of other valuable potentially leaseable minerals such as oil shale or gilsonite.

FIELD NOTES SHEET

Date of Field Inspection: February 3, 1981

Well No.: NGG #1-B

Lease No.: U-33433

Approve Location:

Approve Access Road:  with minor changes

Modify Location or Access Road: Minor changes to allow for a more suitable pipeline crossing.

Evaluation of Criteria for Categorical Exclusion

1. Public Health and Safety
2. Unique Characteristics
3. Environmentally Controversial Items
4. Uncertain and Unknown Risks
5. Establishes Precedents
6. Cumulatively Significant
7. National Register Historic Places
8. Endangered/Threatened Species
9. Violate Federal, State, Local, or Tribal Laws

If this project is not eligible for Categorical Exclusion circle the numbers of the above criteria requiring the preparation of an EA.

Comments and special conditions of approval discussed at onsite: (include local topography) includes communication with another 80 acre lease in this section, otherwise a 200' strip may be required because of proximity to 1/4 1/4 lines. Considerable work will be required for the access road.

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria 516 DM 2.3.A	Federal/State Agency			Local and private correspondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
	Corre- spondence (date)	Phone check (date)	Meeting (date)						
1. Public health and safety							1,2,3,6	2-3-1981	
2. Unique charac- teristics							1,2,3,6	2-3	
3. Environmentally controversial							1,2,3,6	2-3	
4. Uncertain and unknown risks							1,2,3,6	2-3	
5. Establishes precedents							1,2,3,6	2-3	
6. Cumulatively significant							1,2,3,6	2-3	
7. National Register historic places							1,6	2-3	
8. Endangered/ threatened species							1,6	2-3	
9. Violate Federal, State, local, tribal law							1,2,3,6	2-3	

CATEGORICAL EXCLUSION REVIEW COMMON REFERENCE LEGEND

1. Surface Management Agency Input
2. Reviews Reports, or information received from Geological Survey  
(Conservation Division, Geological Division, Water Resource Division,  
Topographic Division)
3. Lease Stipulations/Terms
4. Application Permit to Drill
5. Operator Correspondence
6. Field Observation
7. Private Rehabilitation Agreement
8. *USGS conditions of approval.*



*Northeast View  
NCC #1-5*

USO 3110-4  
(3/71)

STIPULATIONS FOR LANDS IN OIL SHALE WITHDRAWAL,  
EXECUTIVE ORDER 5327 OF APRIL 15, 1930

The lessee under the above oil and gas lease hereby agrees that the following agreement and stipulations are by this reference incorporated as terms and conditions of said lease as to the following lands:

All the lands in the lease.

The lessee agrees that:

1. No wells will be drilled for oil or gas except upon approval of the Area Oil and Gas Supervisor of the Geological Survey, it being understood that drilling will be permitted only in the event that it is established to the satisfaction of the Supervisor that such drilling will not interfere with the mining and recovery of oil shale deposits or the extraction of shale oil by in situ methods or that the interest of the United States would best be served thereby.
2. No wells will be drilled for oil or gas at a location which, in the opinion of the Area Oil and Gas Supervisor of the Geological Survey, would result in undue waste of oil shale deposits or constitute a hazard to or unduly interfere with mining or other operations being conducted for the mining and recovery of oil shale deposits or the extraction of shale oil by in situ methods.
3. When it is determined by the Area Oil and Gas Supervisor of the Geological Survey that unitization is necessary for orderly oil and gas development and proper protection of oil shale deposits, no well shall be drilled for oil or gas except pursuant to an approved unit plan.
4. The drilling or the abandonment of any well on this lease shall be done in accordance with applicable oil and gas operating regulations including such requirements as the Area Oil and Gas Supervisor of the Geological Survey may prescribe as necessary to prevent the infiltration of oil, gas or water into formations containing oil shale deposits or into mines or workings being utilized in the extraction of such deposits.

## S T I P U L A T I O N

In order to protect important seasonal wildlife habitat, exploration, drilling and other development activity will be allowed only during the period from July 20 to May 15. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically authorized in writing by the District Engineer, Geological Survey, with the concurrence of the District Manager, Bureau of Land Management. This stipulation applies to the following-described land:

T. 9 S., R. 23 E., SLM, Utah  
Sec. 31, lots 1-3, E $\frac{1}{2}$ W $\frac{1}{2}$ , SE $\frac{1}{4}$ .

T. 10 S., R. 23 E., SLM, Utah  
Sec. 6, lots 1, 2, SE $\frac{1}{4}$ NE $\frac{1}{4}$ .



# United States Department of the Interior

IN REPLY REFER TO

T & R  
U-802

BUREAU OF LAND MANAGEMENT  
VERNAL DISTRICT OFFICE  
170 South 500 East  
Vernal, Utah 84078

February 5, 1981

Ed Guynn, District Engineer  
USGS, Conservation Division  
2000 Administration Building  
1745 West 1700 South  
Salt Lake City, Utah 84104

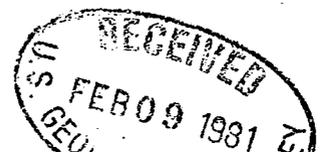
Re: Natural Gas Corporation of  
California Well # 1-5, Lease  
U-33433 Section 5, T10S, R23E,  
Uintah County, Utah

Dear Sir:

A joint field examination was made on February 3, 1981, of the above referenced well site location and proposed access road. We feel that the surface use and operating plans are adequate with the following stipulations:

1. Construction and maintenance of roads, rehabilitation of disturbed areas, and construction of pipeline routes, shall be in accordance with surface use standards as set forth in the brochure, "Surface Operating Standards for Oil and Gas Exploration and Development."
2. Traveling off access road rights-of-way will not be allowed. The maximum width of access roads (both existing and planned) will be 30 feet total disturbed area, except where backslope and fills require additional area. Turn-outs will not be required. Roads are to be crowned and bar ditched where needed.
3. Topsoil will be stockpiled as addressed in the applicant's 13 Point Plans, with the following exception. The BLM recommends that at least the top 6 inches of topsoil materials be stockpiled at the well site. Topsoil will be stored at the south east side of the pad.
4. The BLM must be contacted at least 24 hours prior to any construction activities.
5. The BLM will be contacted at least 24 hours prior to any rehabilitation activities. The operator may be informed of any additional needed seeding and restoration requirements.

Continued . . .



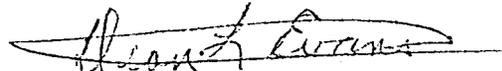
6. In the event that oil storage tanks are used, earth dikes will be built around the tanks in order to contain accidental spills. The height of the dikes will be sufficient to contain the entire contents of the tanks.
7. A wire mesh or web type fence will be used around the reserve pits. At least two strands of barbed wire will top this fence.
8. The reserve pits will have at least 4 feet of their depths below natural ground level.
9. Production facilities will be painted with colors which blend in with the natural background. Various earth tones can accomplish this.
10. Natural Gas Corporation of California will be held responsible for maintenance and rehabilitation of damaged roads and lands. Maintenance and rehabilitation will be done to BLM and county standards.

An archaeological study has been conducted. No cultural resources were located at any of the proposed sites.

The proposed activities do not jeopardize listed, threatened, or endangered flora/fauna and their habitats.

The BLM representative will be Ron Rogers, 789-1362.

Sincerely,



Dean L. Evans  
Area Manager  
Bookcliff Resource Area

cc: USGS, Vernal

**NATURAL GAS CORPORATION  
OF CALIFORNIA**

85 South 200 East  
Vernal, Utah 84078

December 22, 1980

**RECEIVED**

DEC 26 1980

DIVISION OF  
OIL, GAS & MINING

Mr. E. W. Guynn  
Geological Survey-Conservation Div.  
2000 Administration Bldg.  
1745 West 1700 South  
Salt Lake City, UT 84104

Mr. Frank M. Hamner  
Division of Oil, Gas & Mining  
1588 West North Temple  
Salt Lake City, UT 84116

Re: Proposed NGC #1-5 Federal  
SE NW Section 5, T10S, R23E  
Uintah County, Utah

Gentlemen:

Enclosed are the following documents relating to drilling the above captioned well:

- 1) Application for Permit to Drill & Designation of Operator
- 2) Surveyor's Plat
- 3) Ten Point Drilling Procedure
- 4) BOP and Pressure Control Specifications
- 5) Location Layout Map
- 6) 13 Point Surface Use Plan
- 7) Topographic Maps "A" and "B"

Your early consideration and approval of this application would be appreciated. Should you require any additional information, please contact this office.

Yours truly,

*W<sup>m</sup> Ryan*

W. A. Ryan  
Petroleum Engineer

/kh

Encls.

cc: E. J. Gelwick  
E. R. Henry  
C. T. Clark

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
 DRILL  DEEPEN  PLUG BACK

b. TYPE OF WELL  
 OIL WELL  GAS WELL  OTHER   
 SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR  
 Natural Gas Corporation of California

3. ADDRESS OF OPERATOR  
 85 South 200 East, Vernal, Utah 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)  
 At SURFACE  
 1495' FWL, 1341' FNL, SE NW Section 5, T10S, R23E  
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 58 miles southeast of Vernal, Utah

10. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1341

16. NO. OF ACRES IN LEASE 1922.95

17. NO. OF ACRES ASSIGNED TO THIS WELL 320

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

19. PROPOSED DEPTH 9000

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 5280 Ungraded ground

22. APPROX. DATE WORK WILL START\*  
 Upon receipt of approval

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48# New	200	250 sacks
12-1/4"	9-5/8"	36# K55 New	2500	300 sacks
7-7/8"	4-1/2"	11.6# N80 New	TD	As required.

Operator proposes to drill well to approximately 9000' to test the Mesaverde formation. 9-5/8", 36.0#, K-55 intermediate casing will be run and cemented to protect the oil shale section of the Green River formation. All water flows and significant hydrocarbon shows will be evaluated and reported. The well will be operated according to the attached well program and all applicable regulations. Adequate BOP equipment will be maintained at all times as indicated in the attached Pressure Control Specifications. If commercial production is encountered, 4-1/2", 11.6#, N-80 production casing will be run and cemented to adequately protect all potentially productive intervals. No abnormal pressures or temperatures or other potential hazards are anticipated.

APPROVED BY THE DIVISION  
OF OIL, GAS, AND MINING

DATE: 1/5/84

BY: *CR Ferguson*

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on production 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 Wm Ryan TITLE Petroleum Engineer DATE December 22, 1980  
W. A. Ryan

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

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

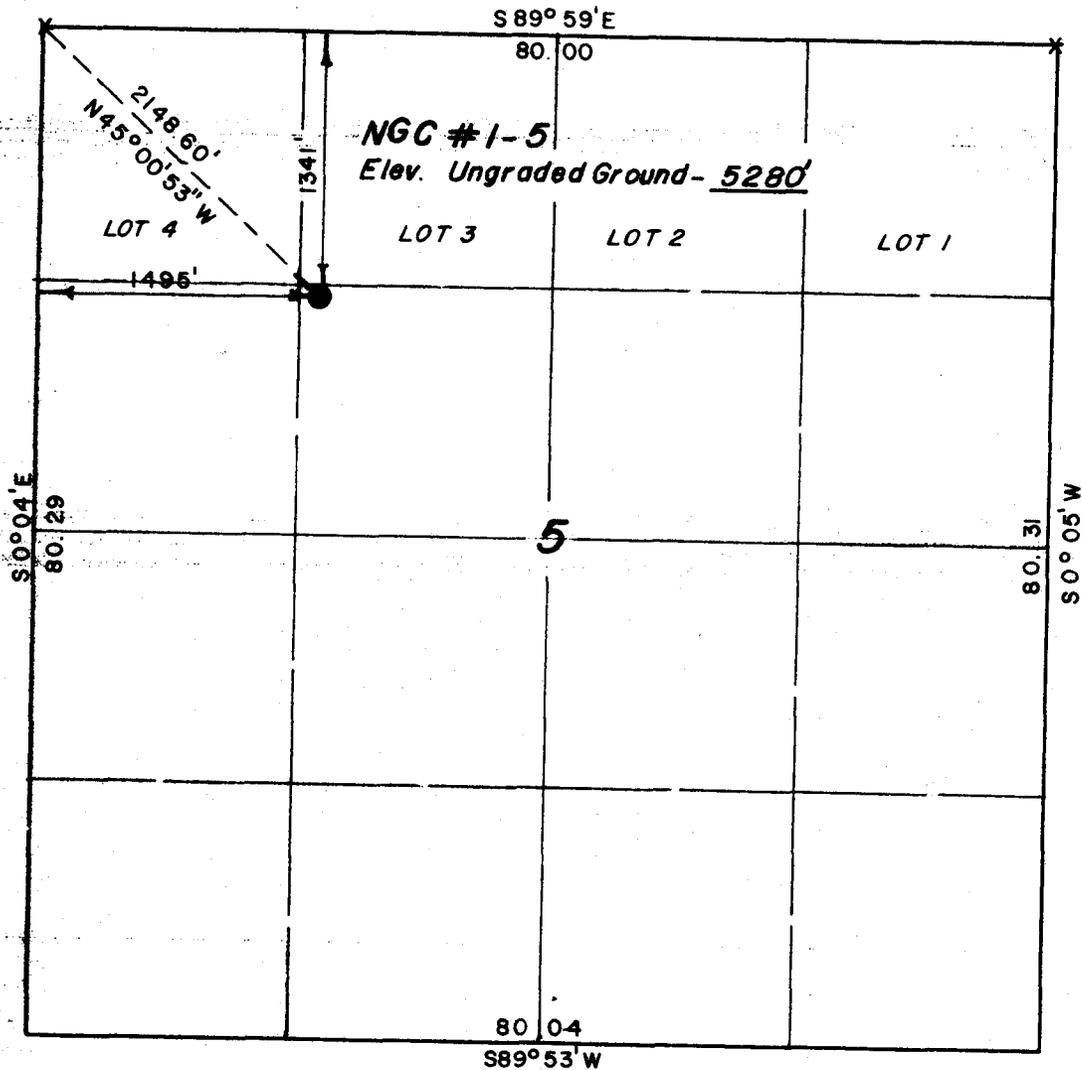
CONDITIONS OF APPROVAL, IF ANY:

cc: USGS; Div. OG&M, UT; EJGelwick; ERHenry; CTCIark

T10S, R23E, S.L.B.&M.

PROJECT  
NATURAL GAS CORP. OF CALIF.

Well location, *NGC #1-5*, located as shown  
 in the SE 1/4 NW 1/4 Section 5, T10S, R23E,  
 S.L.B.&M. Uintah County, Utah.



X = Section Corners Located



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.

*Gene Stewart*

REGISTERED LAND SURVEYOR  
 REGISTRATION NO 3154  
 STATE OF UTAH

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

SCALE	1" = 1000'	DATE	12/15/80
PARTY	RK BK JS	REFERENCES	GLO Plat
WEATHER	Fair	FILE	NATURAL GAS CORP. of CA.

# DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE: Salt Lake City, Utah  
SERIAL NO.: U-33433

and hereby designates

NAME: Natural Gas Corporation of California  
ADDRESS: 717 17th Street - Suite 2300  
Denver, Colorado 80202

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

Township 10 South, Range 23 East, SLM  
Section 4: All  
Section 5: Lots 1-4, S $\frac{1}{2}$ N $\frac{1}{2}$ , N $\frac{1}{2}$ SW $\frac{1}{4}$ , SE $\frac{1}{4}$

Containing 1204.92 acres, m/1  
Uintah County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.

ATTEST:

PACIFIC TRANSMISSION SUPPLY COMPANY

By: \_\_\_\_\_

By: C. T. Clark, Jr.  
(Signature of lessee)

C. T. Clark, Jr. - Attorney-in-Fact

December 18, 1980

(Date)

717 17th Street - Suite 2300, Denver, Co. 80202

(Address)

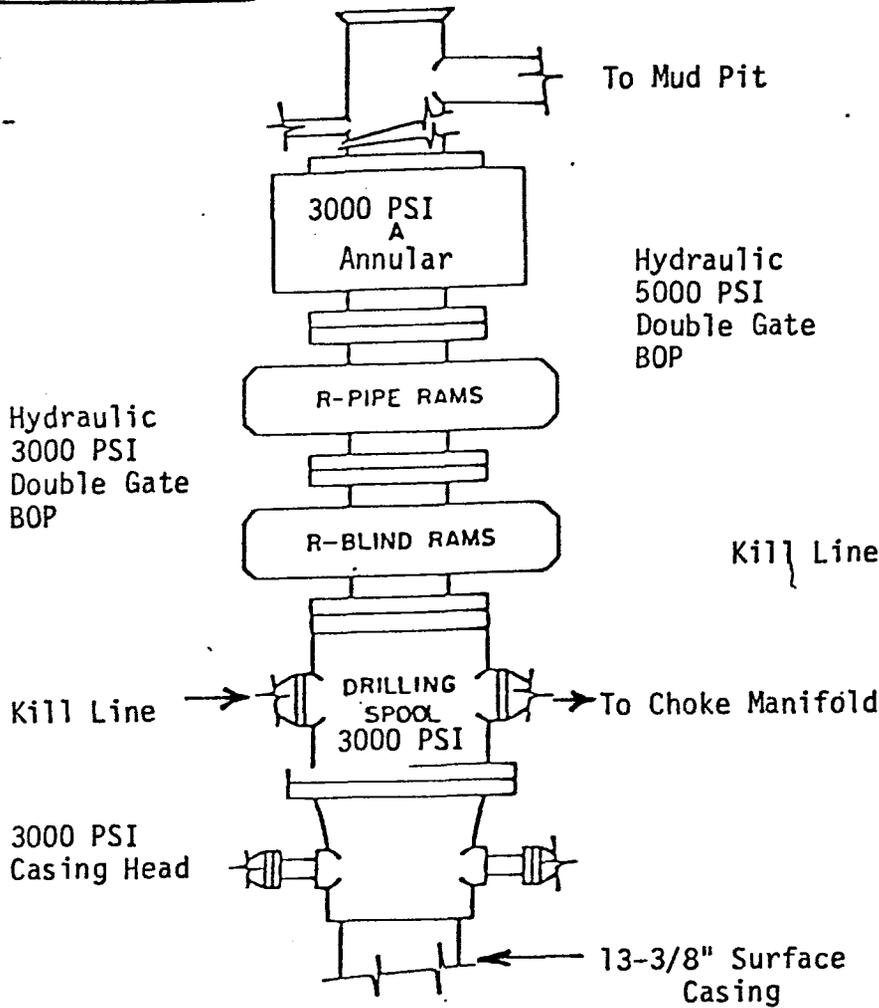
U.S. GOVERNMENT PRINTING OFFICE : 1978 O - 277-341

**EVIDENCE OF AUTHORITY FOR ATTORNEY-IN-FACT  
IS FILLED IN U-46500 AND SUCH  
AUTHORITY IS STILL IN EFFECT.**

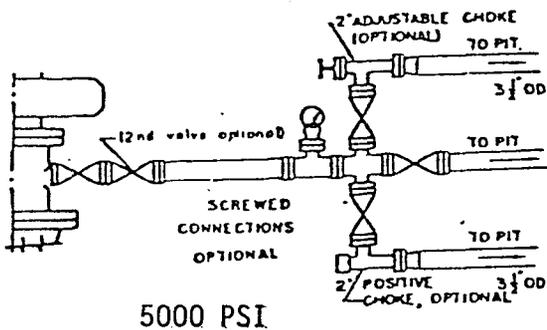
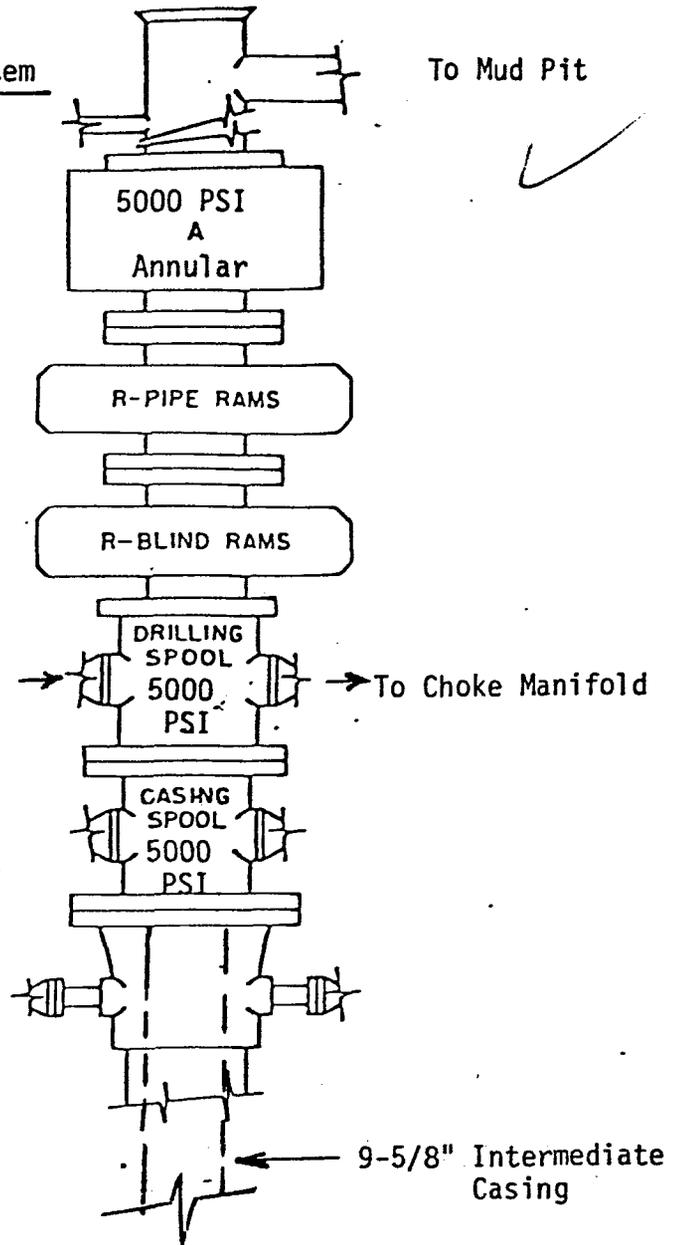
323-9382-00

PRESSURE CONTROL SPECIFICATIONS

12" BOP System



10" BOP System



CHOKE-MANIFOLD DESIGN

TEST SCHEDULE

12" BOP System & 13-3/8" Casing to 2500 PSI.

10" BOP System & Choke Manifold to 5000 PSI.

9-5/8" Casing to 3500 PSI.

Auxiliary Equipment

Lower kelly cock, full opening stabbing valve, and mud monitoring system including pit level indicators and/or flow sensor with alarms.

NATURAL GAS CORP. OF CALIFORNIA

13 Point Surface Use Plan

For

Well Location

N.G.C. #1-5

Located In

Section 5, T10S, R23E, S.L.B. & M.

Uintah County, Utah

NATURAL GAS CORP. OF CALIFORNIA  
N.G.C. #1-5  
Section 5, T10S, R23E, S.L.B.& M.

1. EXISTING ROADS

See attached Topographic Map "A".

To reach NATURAL GAS CORP. OF CALIFORNIA well location N.G.C. #1-5, located in the SE $\frac{1}{4}$  NW $\frac{1}{4}$  Section 5, T10S, R23E, S.L.B.& M. Uintah, County, Utah.

Proceed East from Vernal, Utah along U.S. Highway 40 - 20 miles to its junction with Utah State Highway 45 to the South; proceed in a Southerly direction along Utah State Highway 45 - 22 miles to Bonanza, Utah; proceed Westerly from Bonanza, Utah on a Uintah County road 12.5 miles to the point that the proposed access road (to be discussed in Item #2) leaves the existing road and proceeds in a Northwesterly direction to the proposed location site.

The Highways mentioned above are bituminous surfaced roads from Veranal, Utah to Bonanza, Utah. The County road is a dirt road constructed from the materials that were accumulated during its construction. The Highways are maintained by Utah State road crews, the County road is maintained by Uintah County forces. There will be no construction or maintenance required along the above described roads. They will meet the standards required for the drilling of this well.

2. PLANNED ACCESS ROAD

See Topographic Map "B".

The planned access road leaves the existing road described in Item #1 in the NW $\frac{1}{4}$  SE $\frac{1}{4}$  Section 5, T10S, R23E, S.L.B.& M. and proceeds in a Northwesterly direction approximately 0.8 miles to the proposed location site.

In order to facilitate the anticipated traffic flow necessary to drill and produce this well, the following standards will be met:

The proposed access road will be an 18' crown road (9' either side of the centerline) with drain ditches along either side of the proposed road where it is determined necessary in order to handle any run-off from normal meterological conditions that are prevalent to this area.

Back slopes along the cut areas of the road will be 1 $\frac{1}{2}$  to 1 slopes and terraced.

There will be no culverts required along this road.

If deemed necessary by the local governmental agencies or their representatives, turnouts will be installed for safety purposes every 0.25 miles or on the top of ridges that will provide the greatest sight distance. These turnouts will be 200' in length and 10' in width and will be tapered from the shoulder of the road for a distance of 50' in length at both the access and the outlet end.

There are no fences encountered along this access road. There will be no gates or cattleguards required.

All lands involved in this action are under B.L.M. jurisdiction.

2. PLANNED ACCESS ROAD - cont...

The terrain that is traversed by this road is relatively flat. It is sparsely vegetated with sagebrush and grasses.

3. LOCATION OF EXISTING WELLS

There are six producing wells within a one mile radius of this location site, 1 PTS, 1 Belco and 3 Enserch. For location of these wells relative to this location site see Topographic Map "B".

There are no known water wells, abandoned wells, disposal wells, drilling wells, shut-in wells, injection, monitoring or observation wells, for other resources within a one mile radius of this location site.

4. LOCATION OF TANK BATTERIES, PRODUCTION FACILITIES, AND PRODUCTION GATHERING AND SERVICE LINES

At the present time there are no existing batteries, production facilities, gas gathering lines, injection lines or disposal lines within a one-mile radius of this location site belonging to NATURAL GAS CORPORATION OF CALIFORNIA.

In the event that production of oil from this well is established, then the existing area of the location will be utilized for the establishment of the necessary production facilities.

This area will be built, if possible, with native materials and if these materials are not available, then the necessary arrangements will be made to get them from private sources.

The total area that is needed for the production of this well will be fenced and cattleguards will be utilized for access to these facilities if deemed necessary by the controlling agencies involved.

In the event that the production of natural gas is established that the necessary arrangements for a gas flow line will be made.

The rehabilitation of the disturbed area that is not required for the production of this well, will meet the requirements of Item #7 and #10 and these requirements will be adhered to.

5. LOCATION AND TYPE OF WATER SUPPLY

See Topographic Map "A".

The anticipated water supply for this location is from the White River in Section 17, T9S, R22E, S.L.B. & M. and will be hauled by truck the 15 miles over existing roads and the proposed access road.

If this water source is not available then the necessary arrangements will be made to acquire the water needed for the drilling and production of this well and all agencies involved will be notified of any changes.

5. LOCATION AND TYPE OF WATER SUPPLY - cont..

All regulation and guidelines will be followed and no deviations will be made unless all concerned agencies are notified.

All appropriate permits will be acquired and submitted to the proper authorities.

There will be no water well drilled at this location site.

6. SOURCE OF CONSTRUCTION MATERIALS

All construction materials for this location site shall be borrow materials accumulated during construction of the location site. No additional road gravels or pits lining material from other sources are anticipated at this time, but if they are required, the appropriate actions will be taken to acquire them from private sources.

7. METHODS FOR HANDLING WASTE DISPOSAL

See Location Layout Sheet.

The reserve pit will vary in size and depth according to the water table at the time of drilling.

Onehalf of the reserve pit will be used as fresh water storage area during the drilling of this well and the other one half will be used to store non-flammable materials such as cuttings, salts, drilling fluids, chemicals produced fluids, etc.

If deemed necessary by the agencies concerned, to prevent contamination to surrounding areas, the reserve pits will be lined with a gel.

The pits will have wire and overhead flagging installed at such time as deemed necessary to protect the water fowl, wildlife, and domestic animals.

At the onset of drilling, the reserve pit will be fenced on three sides and at the time the drilling activities are completed, it will be fenced on the fourth side and allowed to dry completely prior to the time that backfilling and reclamation activities are attempted.

When the reserve pit dries and the reclamation activities commence, the pits will be covered with a minimum of four feet of soil and all requirements of Item #10 will be followed.

A portable trash basket will be placed on the location site and all trash will be hauled to the nearest Sanitary Land Fill

A portable toilet will be supplied for human waste.

NATURAL GAS CORP. OF CALIFORNIA  
N.G.C. #1-5  
Section 5, T10S, R23E, S.L.B & M.

8. ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. WELL SITE LAYOUT

See Location Layout Sheet.

The B.L.M. Representative shall be notified before any construction begins on the proposed location site.

As mentioned in Item #7, the pits will be unlined unless it is determined by the representatives of the agencies involved that the materials are too porous and would cause contamination to the surrounding area; then the pits will be lined with a gel and any other type material necessary to make them safe and tight.

When drilling activities commence, all work shall proceed in a neat and orderly sequence.

10. PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, all topsoil shall be stripped and stockpiled. (See Location Layout Sheet & Item #9). When all drilling and production activities have been completed, the location site and access road will be reshaped to the original contour and stockpiled topsoil spread over the disturbed area.

Any drainages re-routed during the construction activities shall be restored to their original line of flow as near as possible. Fences around pits are to be removed upon completion of drilling activities and all waste being contained in the trash pit shall be buried with a minimum of 5' of cover.

Restoration activities shall begin within 90 days after completion of the well. Once restoration activities have begun, they shall be completed within 30 days.

When restoration activities have been completed the location site and access road will be reseeded with a seed mixture recommended by the B.L.M. Representative when the moisture content of the soil is adequate for germination. The Lessee further covenants and agrees that all of said clean-up and restoration activities shall be done and performed in a diligent and most workmanlike manner, and in strict conformity with the above mentioned Items #7 and #10.

11. OTHER INFORMATION

The Topography of the General Area (See Topographic Map "A").

The terrain of the general area slopes from the rim of the Book Cliff Mountains to the South to the Uinta Mountains to the North and is a portion of the East Tavaputs Plateau.

11. OTHER INFORMATION - cont...

The area is interlaced with numerous ridges and canyons formed by non-perennial streams and washes. The sides of the hills and canyons are rather steep and outcrops of sandstones, conglomerates, and shale deposits, are common in the area forming ledges and cliffs along the sides of the canyons.

The visible geologic structures in the area area of the Tuscher Formation Tertiary Period and the Wasatch Formation also of the Tertiary Period.

The majority of the numerous drainages in the surrounding area are of a non-perennial nature flowing only during the early spring run-off and during extremely heavy rain storms of relatively long duration. This type of storm is rather uncommon as the normal annual precipitation is around 8".

The topsoil in the area ranges from a sandy-clay (SM-ML) type soil to a clayey (OL) type soil.

Due to the precipitation average, climate condition and the types of soils, the vegetation that is found in the area is common of the semi-arid region we are located in, and consists of juniper, and pinion pine trees, sagebrush, scrub oak, shadscale, and bitterbrush, and some grasses and cacti as the primary flora.

The fauna of the area is sparse and consists predominantly of the mule deer, coyotes, rabbits and varieties of small ground squirrels and other types of rodents and various forms of reptiles.

The area is used by man for the primary purpose of grazing domestic livestock and sheep.

The birds of the area are raptors, finches, sparrows, magpies, crows, and jays.

The Topography of the Immediate Area (See Topographic Map "B").

The proposed location sits on top of a relatively flat area 2 miles East of the White River Canyon.

The visible structure of the location is of the Tuscher formation and consists of brownish-gray sandy-clay (SP-CL) with some shale outcrops.

The ground slopes through the location to the Northeast at approximately a 3% grade.

The location is covered with sagebrush, and grasses.

There are no occupied dwellings or other facilities of this nature in the general area.

There are no visible archaeological, historical or cultural sites within any reasonable proximity of the proposed location site. (See Topographic Map "B").

NATURAL GAS CORP. OF CALIFORNIA  
N.G.C. #1-5  
Section 5, T10S, R23E, S.L.B.& M.

12. LESSEE'S OR REPRESENTATIVE

R.J. Firth  
85 South 200 East  
Vernal, Utah 84078

1-801-789-4573

13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in the plan are to the best of my, knowledge, true and correct; and that the work associated with the operation proposed herein will be performed by the NATURAL GAS CORP. OF CALIFORNIA its contractors and sub-contractors in conformity with this plan and terms and conditions under which it is approved.

Date

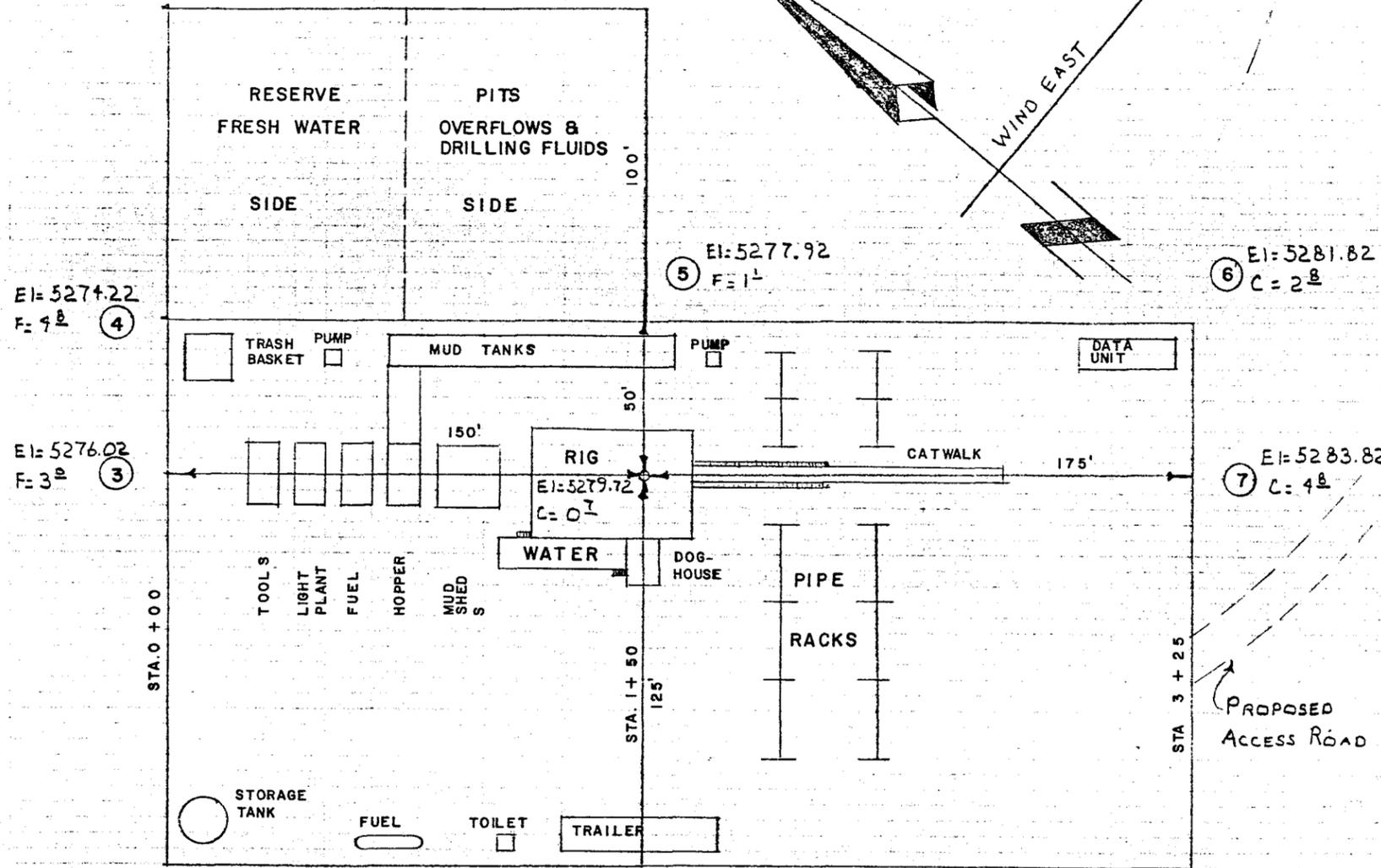
12/23/80

  
R. J. Firth

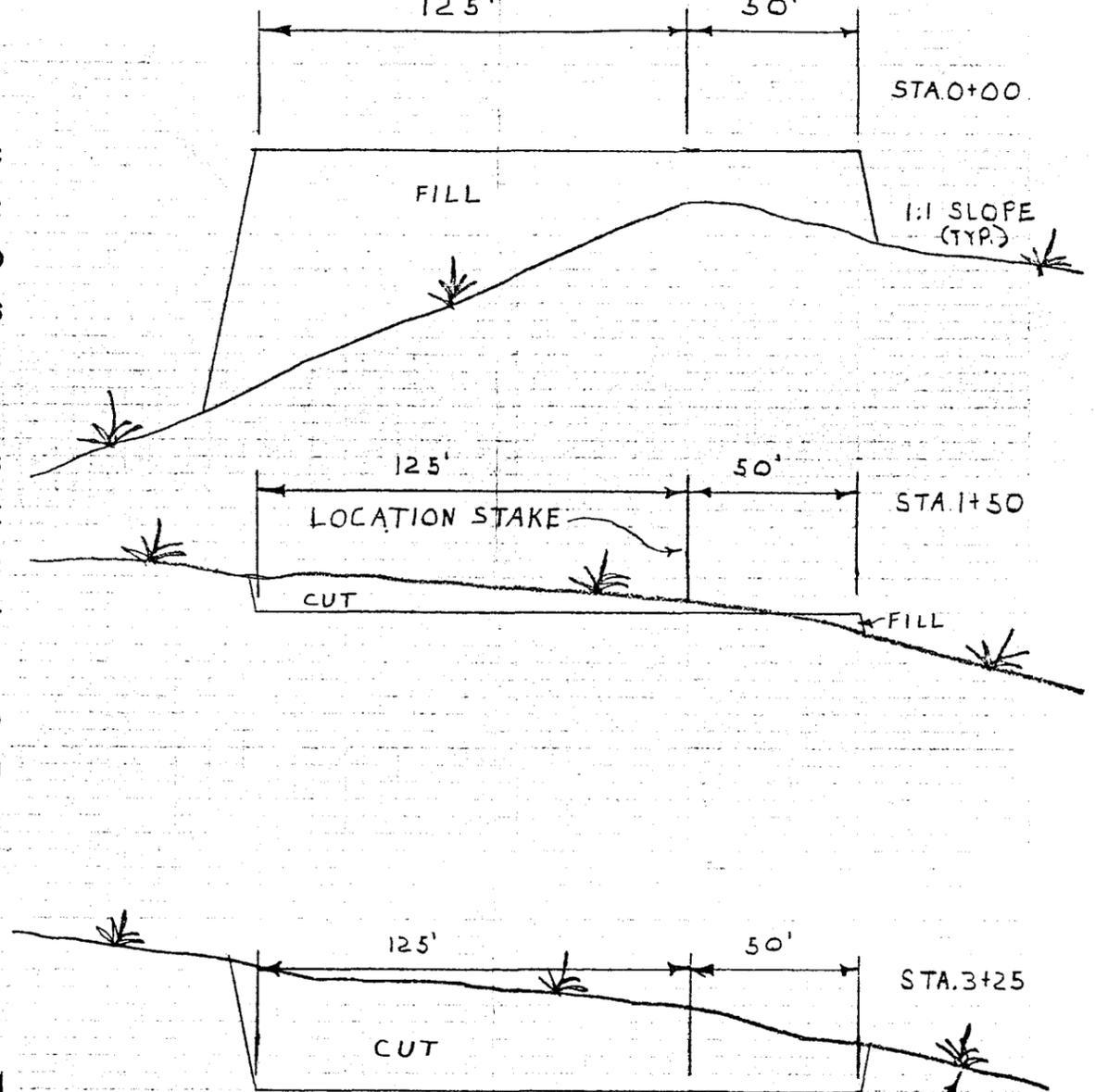
# NATURAL GAS CORP. OF CALIF.

NGC #1-5  
125'

SCALE 1" = 50'



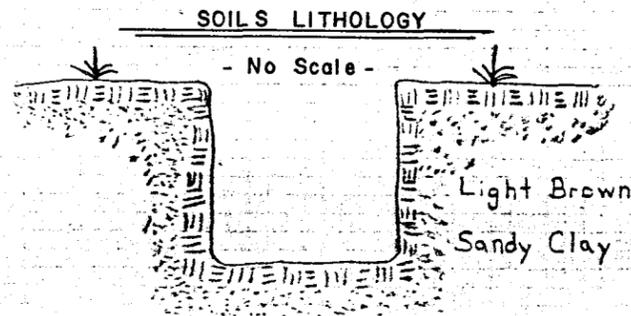
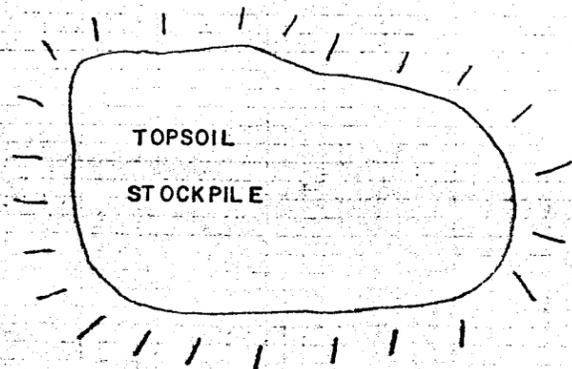
C  
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(2) El: 5265.32  
F= 13 1/2

(1) El: 5281.12  
C= 2 1/2

(8) El: 5286.52  
C= 7 1/2



1" = 10'

SCALES

1" = 50'

APPROXIMATE YARDAGES

Cubic Yards of Cut- 4353

Cubic Yards of Fill- 3878





NGC #1-5

ROAD 0.8 MILES BONANZA, UT  
12.5 MILES

TIOS

ENSERCH #2-4

ENSERCH #1-6

PTS. #4-5

ENSERCH #2-8

VERNAL, UT  
55.8 MILES

R  
R  
E  
R  
R  
R

Drill Hole

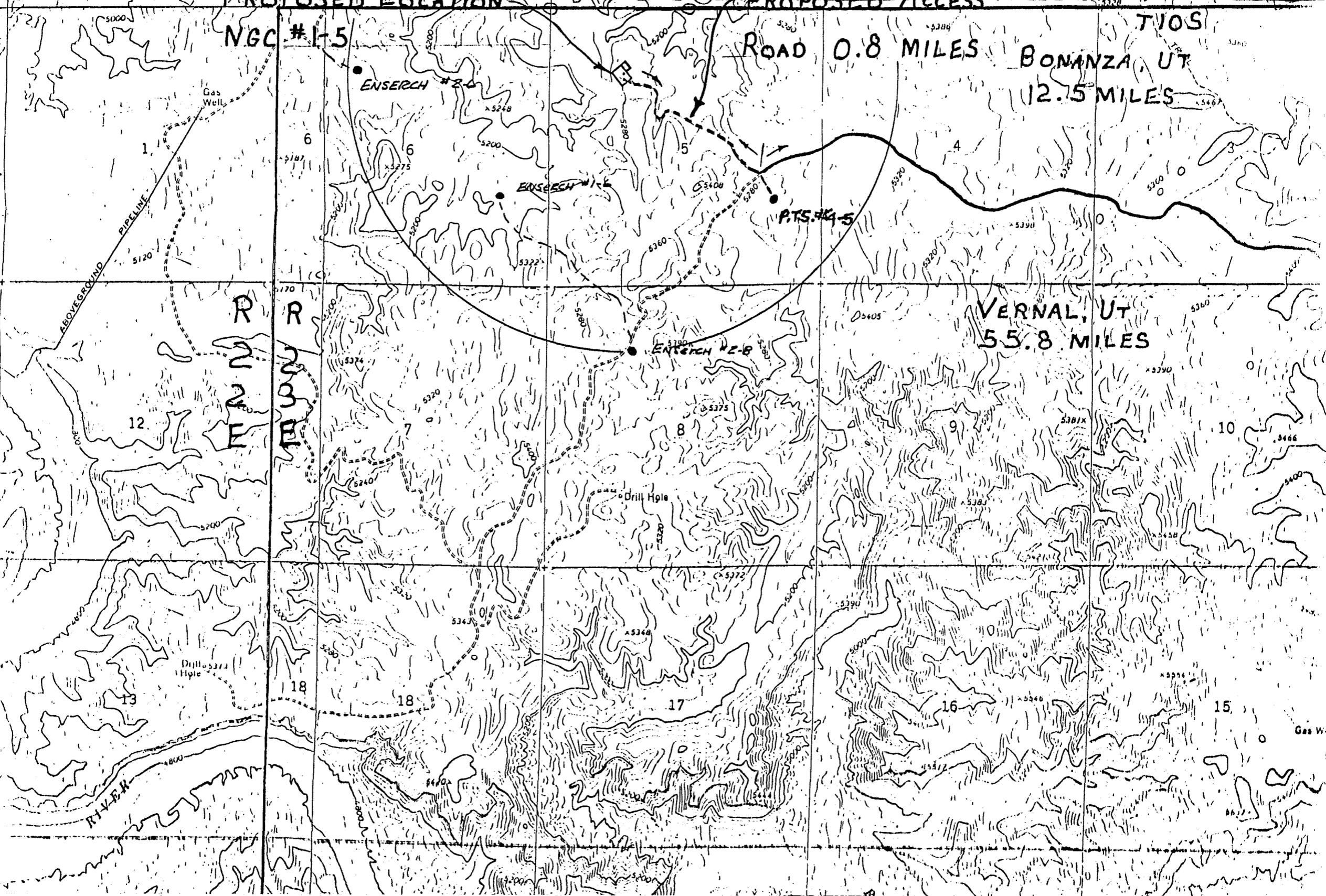
Drill Hole

ABOVEGROUND PIPELINE

Gas Well

Gas Well

RIVER



\*\* FILE NOTATIONS \*\*

DATE: January 2, 1981  
OPERATOR: Natural Gas Corp. of Ca.  
WELL NO: Federal 1-5  
Location: Sec. 5 T. 10S R. 23E County: Uintah

File Prepared:  Entered on N.I.D:   
Card Indexed:  Completion Sheet:

API Number 43-047-30856

CHECKED BY:

Petroleum Engineer: M.S. Munder

Director: OK as per the order issued in case 179-1

Administrative Aide: Order # 179-1,

APPROVAL LETTER:

Bond Required:  Survey Plat Required:   
Order No. 179-1, 10-24-78 O.K. Rule C-3

Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site

Lease Designation  Plotted on Map

Hot Line  Approval Letter Written   
P.I.

\*\* FILE NOTATIONS \*\*

DATE: January 2, 1981  
OPERATOR: Natural Gas Corp. of Ca.  
WELL NO: Federal 1-5  
Location: Sec. 5 T. 10S R. 23E County: Uintah

File Prepared:

Entered on N.I.D:

Card Indexed:

Completion Sheet:

API Number 43-047-30856

CHECKED BY:

3/16/89

Petroleum Engineer: M.S. M

Director: OK as per the ops

Administrative Aide: Order #

*Called for operators log.*

*TAS / AWS*

APPROVAL LETTER:

Bond Required:

Order No. 179-10-24-78

Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site

Lease Designation

Plotted on Map

Approval Letter Written

Hot Line

P.I.

January 9, 1981

Natural Gas Corporation of California  
85 South 200 East  
Vernal, Utah 84078

Re: Well No. Federal 1-5  
Sec. 5, T. 10S, R. 23E  
Uintah County, Utah

Insofar as this office is concerned, approval to drill the above referred to gas well is hereby granted in accordance with the Order issued in Cause No. 179-1, dated October 24, 1978.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Petroleum Engineer  
Office: 533-5771  
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (Aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-047-30856.

Sincerely,

DIVISION OF OIL, GAS, AND MINING

Cleon B. Feight  
Director

/ko  
cc: USGS

**NATURAL GAS CORPORATION  
OF CALIFORNIA**

85 South 200 East  
Vernal, Utah 84078  
(801) 789-4573

February 6, 1981

Mr. Michael T. Minder  
Division of Oil, Gas & Mining  
1588 West North Temple  
Salt Lake City, UT 84116

Mr. Bernard Perry  
Mono Power Company  
P.O. Box 800  
Rosemead, CA 91770

Mr. E. W. Gynn  
Geological Survey-Conservation Div.  
2000 Administration Bldg.  
1745 West 1700 South  
Salt Lake City, UT 84104

Pamela G. Von Feldt  
Coseka Resources (USA) Limited  
718 17th Street, Suite 630  
Denver, CO 80202

Mr. Bob Gilmore  
DeGolyer & MacNaughton  
No. 1 Energy Square  
Dallas, TX 75206

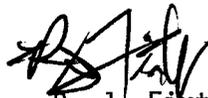
BACO Partnership  
C/O Canadian Natural Resources  
4th Floor, Cascade Bldg.  
300 5th Avenue SW  
Calgary, Alberta Canada T2P3C4

Re: PTS #11-36 State, Dry Burn Unit  
Section 36, T13S, R25E  
Uintah County, Utah

Gentlemen:

Enclosed are copies of Form OGC-1b, Sundry Notices and Reports on Wells,  
Subsequent Report of Plug Back Operations for the above referenced well.

Sincerely,



R. J. Firth  
District Superintendent

/kh

Encls.

cc: E. J. Gelwick  
C. T. Clark (Cover Letter Only)  
E. R. Henry

RECEIVED

FEB 9 1981

DIVISION OF  
OIL, GAS & MINING

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

5. LEASE DESIGNATION AND SERIAL NO.	ML-26855
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
7. UNIT AGREEMENT NAME	Dry Burn
8. FARM OR LEASE NAME	State
9. WELL NO.	11-36
10. FIELD AND POOL, OR WILDCAT	Wildcat
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	Section 36, T13S; R25E
12. COUNTY OR PARISH	Uintah
13. STATE	Utah

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
Natural Gas Corporation of California

3. ADDRESS OF OPERATOR  
85 South 200 East, Vernal, UT 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)  
At surface  
699' FNL, 604' FWL, NW NW Section 36, T13S, R25E, S.L.B. & M.

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, OR, etc.)  
7872' KB

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

NOTICE OF INTENTION TO:

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

SUBSEQUENT REPORT OF:

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

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

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

TD 8498' PBTD 8450'

4½", 11.6#, N-80 production casing at 8493' and cemented thru shoe with 225 sacks cement and thru stage cementing collar @ 5990' with 225 sacks cement. Set cast iron bridge plug at 7905' with 2 sacks cement above. Perforated 7850'-60', 7865'-72' and 7887'-91' w/ 1 SPF.

Swabbed and flow tested at 4-5 bph water with very weak gas flare, TSTM. Set cast iron bridge plug at 7845'. Perforated 7810'-40' w/ 1 SPF, total 31 holes. Swab tested with no indication of fluid or gas entry. Dumped 2 sacks cement on cast iron bridge plug at 7845'. Set cast iron bridge plug at 7790' with 2 sacks cement above. Prepare to continue completion with perforations 7500'-7600'.

Above described plug back operation procedures discussed with Mr. Michael T. Minder, Division of Oil, Gas & Mining, February 4, 1981.

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

DATE: 2-9-81

BY: M.T. Minder

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

SIGNED

*R. G. Firth*  
R. G. Firth

TITLE District Superintendent

DATE February 6, 1981

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

cc: USGS; UT Div. OG&M; DeGolyer & MacNaughton; Mono Power; Coseka; BACO Partnership; E. J. Gelwick; E. R. Henry

\*See Instructions on Reverse Side



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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1.  OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
Natural Gas Corporation of California

3. ADDRESS OF OPERATOR  
85 South 200 East, Vernal, UT 84078 Telephone 801-789-4573

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface  
699' FNL, 604' FWL, NW NW Section 36, T13S, R25E, S.L.B. & M.

14. PERMIT NO. \_\_\_\_\_ 15. ELEVATIONS (Show whether DF, RT, OR, etc.)  
7872' KB

5. LEASE DESIGNATION AND SERIAL NO.  
ML-26855

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
Dry Burn

8. FARM OR LEASE NAME  
State

9. WELL NO.  
11-36

10. FIELD AND POOL, OR WILDCAT  
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Section 36, T13S, R25E

12. COUNTY OR PARISH  
Uintah

13. STATE  
Utah

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

NOTICE OF INTENTION TO:

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

SUBSEQUENT REPORT OF:

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

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

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

TD 8498' PBTD 8450'  
4½", 11.6#, N-80 production casing at 8493' and cemented thru shoe with 225 sacks cement and thru stage collar @ 5990' with 225 sacks cement.

Set cast iron bridge plug at 7450' with 2 sacks cement above. Perforated 5410'-70' with 1 shot every 4 feet, total 16 shots. Acidized with 1000 gals. MSR acid at 1500-1700 psi and 4 bpm. Swabbed load fluid and tested gas at 2'-3' gas flare with swab run, TSIM.

Set cast iron bridge plug at 5380' with 2 sacks cement above. Perforated 5205', 5209', 5213', 5258', 5272', 5291', 5298', 5301', 5304', 5318', 5322' and 5326', total 12 shots. Swab tested with no fluid or gas entry. Acidized with 1000 gals. 7½% MSR acid at 3500 psi and 4 bpm. Swabbed load fluid and tested gas at 3' gas flare with swab run, TSIM.

Drilled cement and cast iron bridge plug at 5380', swabbed well dry. Land 2-3/8" tubing at 5182' and installed wellhead equipment. Temporarily suspended operations while determining further completion operations.

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

SIGNED R. J. Firth TITLE District Superintendent DATE February 24, 1981

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

cc: USGS; UT Div. OG&M; DeGolyer; Mono; Coseka; BACO; E.J. Gelwick; E. R. Henry

**DUPLICATE**

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

Form approved.  
Budget Bureau No. 42-R1425.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

5. LEASE DESIGNATION AND SERIAL NO.

U-02139

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

FEDERAL

9. WELL NO.

#23-4

10. FIELD AND POOL, OR WILDCAT

CISCO DOME

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

NW. SE. SEC. 23-20S-21E.  
SLM

12. COUNTY OR PARISH

GRAND

13. STATE

UTAH

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL

DEEPEN

PLUG BACK

b. TYPE OF WELL

OIL WELL

GAS WELL

OTHER

SINGLE ZONE

MULTIPLE ZONE

2. NAME OF OPERATOR

N P ENERGY CORPORATION

3. ADDRESS OF OPERATOR

SUITE 320, 57 WEST SO. TEMPLE, SALT LAKE CITY, UTAH

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

NW. SE. SECTION 23, T 20S, R 21E, SLM.

At proposed prod. zone 1840' FR. E-LINE AND 1558' FR. S-LINE

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

APPROX. 13 MILES NW. OF CISCO, UTAH

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

1558'

16. NO. OF ACRES IN LEASE

2040

17. NO. OF ACRES ASSIGNED TO THIS WELL

160

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

1700'

19. PROPOSED DEPTH

2900'

20. ROTARY OR CABLE TOOLS

ROTARY

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

5220' GRD; 5225' K.B.

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8 5/8"	24.00#	150'	85 sks
6 3/4"	4 1/2"	10.50#	Thru pay zone.	Cemented to 200' above Kd.

It is planned to drill a well at the above location to test the gas and/or oil production possibilities of the sands in the Dakota, Cedar Mt., Morrison, and Entrada formations. The well will be drilled to approximately 50 to 100' below the top of the Entrada formation, if conditions permit. The well will be drilled with rotary tools, using air for circulation. The surface casing (8 5/8") will be set at about 150' K.B. and cemented with returns to the surface. A blowout preventer and rotating head will be installed on top of the surface casing. Fill and kill lines will be connected to the well head below the blind rams on the blowout preventer. Any gas encountered will be flared at the end of the blowout line, and roughly checked for volume thru a 2" line after the pipe rams have been closed. A float valve will be used in the bottom drill collar at all times. A prognosis of the well is attached.

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

24. SIGNED J. Don Quigley TITLE VICE-PRESIDENT DATE NOVEMBER 30, 1980

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

(Orig. Sgd.) A. M. RAFFOUL

FOR E. W. GUYNN DISTRICT ENGINEER

APPROVED BY

TITLE

DATE FEB 27, 1981

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

\*See Instructions On Reverse Side

FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A DATED 1/1/80

NOTICE OF APPROVAL

State Oil & Gas Production Facilities and Flowline NOT Approved

United States Department of the Interior  
Geological Survey  
Oil and Gas Operations  
2000 Administration Building  
1745 West 1700 South  
Salt Lake City, Utah 84104

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator/Project Name N.P. Energy Federal 23-4

Project Type Development Fas Test

Project Location 1840' FEL, 1558' FSL, Sec. 23, T20S, R21E, Grand Co. Utah

Date Project Submitted December 5, 1980

FIELD INSPECTION

Date January 19, 1981

Field Inspection  
Participants

Dave Meehan - Operator representative

Leonard Lewis - Galley Construction

John Bare, Spencer Davis - Northwest Pipeline

Elmer Duncan - BLM

Glenn Doyle - U.S.G.S.

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

February 13, 1981  
Date Prepared

Glenn M. Doyle  
Environmental Scientist

I concur

2/20/81  
Date

Ed [Signature]  
District Supervisor

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria 516 DM 2.3.A	Federal/State Agency			Local and private correspondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
	Corre- spondence (date)	Phone check (date)	Meeting (date)						
1. Public health and safety					1, 2			1-19-81	
2. Unique charac- teristics					1, 2				
3. Environmentally controversial					1, 2				
4. Uncertain and unknown risks						4			
5. Establishes precedents					1, 2				
6. Cumulatively significant					1, 2				
7. National Register historic places	1-1/30/81								
8. Endangered/ threatened species	1-1/30/81								
9. Violate Federal, State, local, tribal law						4			3

Site-specific stipulations attached

COMMON REFERENCE LIST

NEPA Categorical Exclusion Review

1. SMA Input
2. Reviews, reports, or information received from Geological Survey (CD, GD, WRD, TD).
3. Lease Stipulations/Terms
4. Application to Drill
5. Operator correspondence
6. Field observation
7. Private Rehabilitation Agreement

SITE-SPECIFIC STIPULATIONS

- 1.) Reduce the location size to 150' x 250'
- 2.) Fence the reserve pit on three sides prior to drilling and on the fourth side once the rig moves off.



# United States Department of the Interior

IN REPLY REFER TO  
3100  
(U-603)

BUREAU OF LAND MANAGEMENT  
Moab District  
Grand Resource Area  
P. O. Box M  
Moab, Utah 84532

JAN 29 1981

## Memorandum

To: Oil & Gas Office  
USGS Conservation Division  
P.O. Box 3768  
Grand Junction, CO 81502

From: Acting Area Manager, Grand

Subject: N.P. Energy  
Federal 23-4, Lease #U-02139  
NW/SE Section 23, T. 20 S., R. 21 E., SLB&M  
Grand County, Utah

On Jan. 1, 1981, a representative from this office met with Glenn Doyle, USGS, and Dave Mecham agent of the N.P. Energy for an inspection of the above referenced location. Subject to the attached conditions and written approval from USGS, I am approving the surface management portion of the Application for Permit to Drill.

The archaeological requirement has been fulfilled on this location. No threatened or endangered flora or fauna are indicated in the area.

Please forward the enclosed information to N.P. Energy.

*M. Scott Packer*

Enclosures: (3)  
1-Reclamation Procedures  
2-Seed Mixture  
3-Suggested Colors - Production Facilities

U. S. GEOLOGICAL SURVEY  
OIL AND GAS OPERATIONS  
RECEIVED

JAN 30 1981

GRAND JUNCTION, COLORADO

## STANDARD STIPULATIONS FOR OIL & GAS EXPLORATION

Contact this office at least 48 hours prior to beginning construction of access road and pad.

Stockpile the surface 12" of topsoil in a wind-row on the north west quadrant of the location.

The upper banks (uphill side) of all cuts will be rounded during construction of the access road and pad.

Notify the BLM District Archaeologist if cultural material from sub-surface deposits is exposed during the operation.

The trash cage will be at the location and fenced with fine mesh wire during drilling operations.

The "blooey" line will be centered and directed into the pit.

If production is obtained, the access road will be upgraded to BLM specifications for long-term roads as outlined in the surface use standards section of the "Oil and Gas" pamphlet (joint BLM, USGS and USFS publication).

If production is obtained, all production facilities will be painted. (See enclosed suggested colors - for facilities).

Rehabilitation of the site and access road will be accomplished in accordance with the enclosed restoration procedures.

Production facilities and pipeline route are approved on this location under lease rights.

As agreed upon at the pre-drill field examination-

### Access-

1) New road construction in Section 23 T. 20 S., R. 21 E., will be approximately  $\frac{1}{4}$  mile long in the NW/SE of section 23. This is on a sandy plateau, with some gravel and the vegetation will be removed only. The vegetation and any surface soils removed from the road will be windrowed along the north side.

2) Disturbed road width will be 14' maximum.

3) Only if the well is a producer will the road be up-graded to BLM standards per the yellow "Oil and Gas Operating Standards" handbook.

### Location-

1) Pad size will be 150' wide X 250' long.

2) Reserve and blooey pit(s) will extend beyond the east pad boundary to provide for 125' line into the blooey pit.

3) Pit(s) will be fenced with five (5) strands of barbed wire along three sides during drilling, and on the forth side prior to rig removal.

Rehabilitation-

Non-Producer

1) Well site and access road will be re-countoured, topsoil scattered evenly over the disturbed area, ripped and seeded.

2) If the seed is broadcast over the disturbed area, at least 2.5 times the pounds/acre on the enclosed Seed Mixture will be sown, and covered with soil by use of a spiked tooth harrow or something of similar nature to cover the seed.

## RECLAMATION PROCEDURES IN GRAND RESOURCE AREA

1. Disk or rip pads and access roads.
  - a. Overlap passes in order to insure complete treatment.
2. Contour pads and access roads.
  - a. Lay berms into centers.
  - b. Use cut material for fill areas.
  - c. Lay stockpiled surface soil over top of pads and spread evenly.
  - d. On highly erosive soils, it may be more beneficial to grade slopes to reduce steepness.
  - e. Do not smooth pads out, leave a roughened surface. On steeper slopes and slopes with clayey soils, scarify or serrate the ground in order to increase water infiltration and reduce erosion.
3. Water bar roads where required by the BLM.

* 2%	Grade -	200 ft. intervals
2-4%	Grade -	100 ft. intervals
4-5%	Grade -	75 ft. intervals
5%	Grade -	50 ft. intervals

\* Actual spacing may vary according to soil stability. Lighter textured soils will require more frequent water bars. When natural drainage ways are present, water bars will be constructed to make maximum use of them. Plan operations so that natural drainage ways do not become blocked.
4. Seed roads and pads in the fall (October through mid-December).

SEED MIXTURE

<u>Species</u>		<u>lbs/acre</u>
<b>Grasses</b>		
Hilaria jamesii	Curley grass	1
Oryzopsis hymenoides	Indian rice grass	1
<b>Forbs</b>		
Sphaeraleea coccinia	Globemallow	1
<b>Shrubs</b>		
Atriplex canescens	Four-wing saltbush	1
Groya spinosa	Spiny hop sage	1
Ephedra neradensis	Mormon tea	1
		<hr/>
	Total	6



# United States Department of the Interior

BUREAU OF LAND MANAGEMENT

## SUGGESTED COLORS TO PAINT OIL & GAS PRODUCTION FACILITIES

### Cisco Desert and Flats below the Bookcliffs:

Dynasty Green	(Sears)
Tumbleweed	(Pratt & Lambert)
Desert Tan	-----
Sage Gray	(Pratt & Lambert)

### Bookcliffs Region:

Sage Gray	(Pratt & Lambert)
Sea Life	(Pratt & Lambert)
Dynasty Green	(Sears)

Similar hues other than the ones mentioned above must be approved by the Grand Resource Area Manager.

**DUPLICATE**

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

Form approved.  
Budget Bureau No. 42-R1425.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
 DRILL  DEEPEN  PLUG BACK

b. TYPE OF WELL  
 OIL WELL  GAS WELL  OTHER   
 SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR  
 N P ENERGY CORPORATION

3. ADDRESS OF OPERATOR  
 STE. 320, 57 WEST SO. TEMPLE, SALT LAKE CITY, UTAH

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface NE.NW. SECTION 25, T 20S, R 21E, SLM.  
 At proposed prod. zone 1814' FR. W-LINE AND 826' FR. N-LINE

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 APPROXIMATELY 13 MILES NW. OF CISCO, UTAH

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
 826'

16. NO. OF ACRES IN LEASE  
 2040

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 160 ACRES

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 1850'

19. PROPOSED DEPTH  
 2700'

20. ROTARY OR CABLE TOOLS  
 ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 5054' GRD; 5060' K.B.

22. APPROX. DATE WORK WILL START\*  
 DEC. 15, 1980

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2"	8 5/8"	24.00#	200'	120 sks
7 7/8"	4 1/2"	10.50#	Thru all pay	zones-cemented to 200' above Kd.

It is planned to drill a well at the above location to test the gas and/or oil production possibilities of the sands in the Dakota, Cedar Mt., Morrison, and Entrada formations. The well will be drilled to approximately 50 to 100' below the top of the Entrada formation, if conditions permit. The well will be drilled with rotary tools, using air for circulation. The surface casing (8 5/8") will be set at about 200' K.B. and cemented with returns to the surface. A blowout preventer and rotating head will be installed on top of the surface casing. Fill and kill lines will be connected to the well head below the blind rams on the blowout preventer. Any gas encountered will be flared at the end of the blowout line, and roughly checked for volume thru a 2" line after the pipe rams have been closed. A float valve will be used in the bottom drill collar at all times. A prognosis of the well is attached.

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

24. SIGNED H. Don Gungley TITLE VICE-PRESIDENT DATE OCT. 25, 1980

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY [Signature] TITLE FOR E. W. GUYNN DATE FEB 27 1981  
 DISTRICT ENGINEER

CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY  
 \*See Instructions On Reverse Side

FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A DATED 1/1/80

*State Oil & Gas*

Production Facilities and Flowline NOT Approved

United States Department of the Interior  
Geological Survey  
Oil and Gas Operations  
2000 Administration Building  
1745 West 1700 South  
Salt Lake City, Utah 84104

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator/Project Name N.P. Energy Federal 25-4

Project Type Development Gas Test

Project Location 1814' FWL, 826' FNL, Sec. 25, T20S, R21E, Grand Co, Utah

Date Project Submitted October 30, 1980

FIELD INSPECTION Date November 25, 1980

Field Inspection Participants Hart Gleason - Operator representative

Leonard Lewis - Galley Construction

Elmer Duncan, Mical Walker - BLM

Glenn Doyle - U.S.G.S

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

February 13, 1981  
Date Prepared

Glenn M. Doyle  
Environmental Scientist

I concur

2/20/81  
Date

E. S. [Signature]  
District Supervisor

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria 516 DM 2.3.A	Federal/State Agency			Local and private corre- spondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
	Corre- spondence (date)	Phone check (date)	Meeting (date)						
1. Public health and safety					1, 2		6	11-25-80	
2. Unique charac- teristics					1, 2				
3. Environmentally controversial					1, 2				
4. Uncertain and unknown risks						4			
5. Establishes precedents					1, 2				
6. Cumulatively significant					1, 2				
7. National Register historic places	1-2/13/80	1-2/13/80							
8. Endangered/ threatened species		1-2/13/81							
9. Violate Federal, State, local, tribal law	5								7-water agreement on file

Site-specific stipulations attached

COMMON REFERENCE LIST

NEPA Categorical Exclusion Review

1. SMA Input
2. Reviews, reports, or information received from Geological Survey (CD, GD, WRD, TD).
3. Lease Stipulations/Terms
4. Application to Drill
5. Operator correspondence
6. Field observation
7. Private Rehabilitation Agreement

Site-specific stipulations

- 1.) Rotate the location 85° clockwise so as to reduce cuts and fills and to aim the blooie line away from the road.
- 2.) Alter the location dimensions to 125' x 270' (Operator request) to better accommodate the rig.
- 3.) Reroute the existing road so that it crosses the northeast edge of the wellpad.
- 4.) Emplace a warning sign at the nose of the ridge which lies east of the wellsite next to the existing road.
- 5.) Operator will spray water into the blooie line to control this point source of fugitive dust.
- 6.) Fence the reserve pit on three sides prior to drilling and on the fourth side once the rig moves off. Four-strand barbed wire is acceptable.

NATURAL GAS CORPORATION  
OF CALIFORNIA

85 South 200 East  
Vernal, Utah 84078  
(801) 789-4573

March 2, 1981

**RECEIVED**  
MAR 4 1981

Mr. E. W. Guynn  
Geological Survey-Conservation Div.  
2000 Administration Bldg.  
1745 West 1700 South  
Salt Lake City, UT 84104

DIVISION OF  
OIL, GAS & MINING

Mr. Michael T. Minder  
Division of Oil, Gas & Mining  
1588 West North Temple  
Salt Lake City, UT 84116

Re: Lease no. U-10423; Grand Co., UT  
NGC #21-11 Federal  
NE NW Section 11, T16S, R24E

Gentlemen:

Enclosed are copies of the Designation of Operator from Great Basins  
Petroleum Company to Natural Gas Corporation for lease no. U-10423.

Sincerely,

R. J. Firth  
District Superintendent

/kh

Encls.

cc: E. J. Gelwick  
E. R. Henry  
C. T. Clark (Cover Letter Only)

# DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE: Salt Lake City, Utah  
SERIAL NO.: U-10423

and hereby designates

NAME: Natural Gas Corporation  
ADDRESS: 717 - 17th St., Suite 2300  
Denver, Colorado 80202

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

Township 16 South, Range 24 East

Section 11: N/2, SW/4, W/2 SE/4

Containing 560 acres  
Grand County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.

GREAT BASINS PETROLEUM CO.

*Charles W. Hatten*

(Signature of lessee)

Charles W. Hatten, President  
1011 Gateway West - Century City  
Los Angeles, CA 90067

(Address)

*Feb 24, 1981*

(Date)

NOTICE OF SPUD

P Natural Gas Corp. of CA

Caller: Carla

Phone: \_\_\_\_\_

Well Number: 1-5

Location: SENW 5-105-23E

County: Uintah State: Utah

Lease Number: U-33433

Lease Expiration Date: \_\_\_\_\_

Unit Name (If Applicable): \_\_\_\_\_

Date & Time Spudded: 3-19-81 5:00 P.M.

Dry Hole Spudder/Rotary: \_\_\_\_\_

Details of Spud (Hole, Casing, Cement, etc.) 17 1/2" hole to  
set 13 3/8" cc

Rotary Rig Name & Number: (dry hole) Spudger ROSS Drilling Co. #1

Approximate Date Rotary Moves In: Olson Drilling MAR 24 1981 #2  
this week

FOLLOW WITH SUNDRY NOT DIVISION OF  
OIL, GAS & MINING

Call Received By: K.P.

Date: 3-23-81

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well  gas well  other

2. NAME OF OPERATOR  
Natural Gas Corporation of California

3. ADDRESS OF OPERATOR Telephone 789-4573  
85 South 200 East, Vernal, UT 84078

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1495' FWL, 1341' FNL, SE NW  
AT TOP PROD. INTERVAL: Section 5, T10S, R23E  
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other) Spudding Operations			<input checked="" type="checkbox"/>

5. LEASE U-33433
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME Federal
9. WELL NO. 1-5
10. FIELD OR WILDCAT NAME
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 5, T10S, R23E
12. COUNTY OR PARISH Uintah
13. STATE Utah
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD) 5280', Ungr. Gr.

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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

Rigged up air drilling rig and equipment.

Spudded 17½" surface hole at 5:30 p.m., March 19, 1981. Drilled surface hole to 183'. Set 5 joints 13-3/8", 43# casing at 183' GL and cemented to surface with 200 sacks cement.

Spudding date reported orally to U. S. Geological Survey, Salt Lake City, March 23, 1981.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED R. J. Firth <sup>ORIGINAL SIGNATURE</sup> BY: R. J. Firth TITLE District Supt. DATE March 24, 1981

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

cc: USGS; Div. OG&M; EJGelwick; ERHenry; CTClark; DeGolyer; Enserch-Denver; Enserch-Oklahoma; Clifford Cone

NATURAL GAS CORPORATION  
OF CALIFORNIA

P

85 South 200 East  
Vernal, Utah 84078  
(801) 789-4573

March 24, 1981

Mr. E. W. Guynn  
Geological Survey-Conservation Div.  
2000 Administration Bldg.  
1745 West 1700 South  
Salt Lake City, UT 84104

Mr. Michael T. Minder  
Division of Oil, Gas & Mining  
1588 West North Temple  
Salt Lake City, UT 84116

Mr. Clifford Cone  
P.O. Box 6010  
Lubbock, Texas 79413

Mr. Richard Smith  
Enserch Exploration, Inc.  
Metrobank Bldg., Suite 1322  
Denver, CO 80202

Enserch Exploration, Inc.  
909 South Meridian, Suite 608  
Oklahoma City, OK 73128

Mr. Bob Gilmore  
DeGolyer & MacNaughton  
No. 1 Energy Square  
Dallas, TX 75206

Re: NGC #1-5 Federal  
SE NW Section 5, T10S, R23E  
Uintah County, Utah

Gentlemen:

Enclosed are copies of Form 9-331, Sundry Notices and Reports on Wells,  
Subsequent Report of Spudding Operations for the above referenced well.

Sincerely,

**ORIGINAL SIGNED  
BY: R. J. FIRTH**

R. J. Firth  
District Superintendent

/kh

Encls.

cc: E. J. Gelwick  
C. T. Clark  
E. R. Henry

MAR 27 1981

**MAR 27 1981**

DIVISION OF  
OIL, GAS & MINING

# CHEMICAL & GEOLOGICAL LABORATORIES

P.O. Box 2794  
Casper, Wyoming 82602

## GAS ANALYSIS REPORT

Company Natural Gas Corp. of California Date 4-29-81 Lab. No. 37343  
 Well No. 1-5 Federal Location SENW 5-10S-23E  
 Field Natural Buttes Formation \_\_\_\_\_  
 County Uintah Depth 6480-6580  
 State Utah Sampling point DST  
 Line pressure 100 psig; Sample pressure \_\_\_\_\_ psig; Temperature \_\_\_\_\_ ° F; Container number JT Vernal  
 Remarks \_\_\_\_\_

Component	Mole % or Volume %	Gallons per MCF
Oxygen.....	0	
Nitrogen.....	0.06	
Carbon dioxide.....	0.22	
Hydrogen sulfide.....	nil	
Methane.....	90.22	
Ethane.....	5.64	0.683
Propane.....	2.49	0.140
Iso-butane.....	0.43	0.204
N-butane.....	0.65	0.044
Iso-pentane.....	0.12	0.036
N-pentane.....	0.10	0.032
Hexanes & higher.....	0.07	
<b>Total.....</b>	<b>100.00</b>	<b>1.139</b>

GPM of pentanes & higher fraction..... 0.112

Gross btu/cu. ft. @ 60° F. & 14.7 psia (dry basis)..... 1123

Specific gravity (calculated from analysis)..... 0.630

Specific gravity (measured)..... 0.630

Remarks: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

RECEIVED

MAY 4 1981

DIVISION OF  
OIL, GAS & MINING

JOHNSTON-MACCO

**Schlumberger**

WESTERN REGION  
1745 STOUT SUITE 300  
DENVER, COLORADO 80202  
(303) 623-0760

May 27, 1981

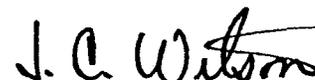
F.R. # 32329 D  
Company: NATURAL GAS CORP. OF CA.  
Well Name: NGC FEDERAL #1-5  
Drill Stem Test #: 1

Gentlemen:

The attached technical report is a corrected copy of the report previously sent to you on the above noted well. It is suggested that all copies of the original technical report be destroyed because of pressure reading inaccuracies contained therein.

A comparative check of the pressure readings generated by our Denver Office Computer System indicated they were slightly different than ones generated on the Houston based computer system. The problem has been resolved.

We sincerely hope that this matter has not caused you any inconvenience.

  
J.C. Wilson

Western Region Manager  
Johnston-Macco

A DIV. OF SCHLUMBERGER TECHNOLOGY CORPORATION

TELEPHONE (713) 491-1313

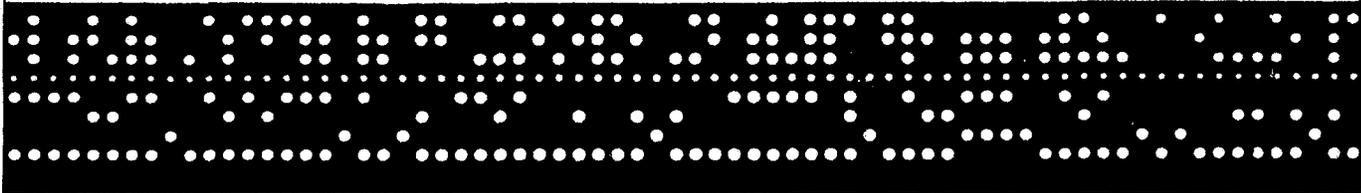
P.O. BOX 36369 • HOUSTON, TEXAS 77036

TESTING AND EVALUATION • COMPLETION, DRILLING, AND FISHING TOOLS • WIRELINE AND HYDRAULIC WORKOVER • GAS LIFT AND SAFETY VALVES

CORRECTED COPY

JOHNSTON
<b>Schlumberger</b>

**computerized  
data  
analysis**



F.R. #32329 D

## COMPUTERIZED DATA ANALYSIS

JUNE 9, 1981

GENTLEMEN:

THE ENCLOSED TEST APPEARS TO BE A GOOD MECHANICAL DRILL STEM TEST DURING WHICH THE TOOLS DID FUNCTION PROPERLY. THE FORMATION PRODUCED ENOUGH RESERVOIR FLUID FOR PROPER IDENTIFICATION. RESERVOIR PRESSURE DRAWDOWN WAS SUFFICIENT AND ADEQUATE SHUT-IN BUILD-UPS DID OCCUR FOR RELIABLE QUANTITATIVE ANALYSIS. RESERVOIR PARAMETERS WERE CALCULATED BY THE HORNER METHOD.

1. FLOW RATE: A FLOW RATE OF 360 MCF/DAY OF GAS WAS NOTED DURING THIS TEST.
2. RESERVOIR PRESSURE: EXTRAPOLATION OF THE INITIAL SHUT-IN PRESSURE BUILD-UP INDICATES A MAXIMUM RESERVOIR PRESSURE OF 3022 P.S.I.A. AT RECORDER DEPTH. EXTRAPOLATION OF THE FINAL SHUT-IN PRESSURE BUILD-UP INDICATES A MAXIMUM RESERVOIR PRESSURE OF 2993 P.S.I.A. AT RECORDER DEPTH. THE DIFFERENCE BETWEEN THE INITIAL AND FINAL SHUT-IN PRESSURE OF 29 P.S.I. IS INSIGNIFICANT.
3. PERMEABILITY: THE CALCULATED TRANSMISSIBILITY FACTOR OF 120.97 MD.-FT./CP. INDICATES AN AVERAGE EFFECTIVE PERMEABILITY TO GAS OF 0.09 MD. FOR THE REPORTED 20 FOOT TEST INTERVAL. THE CALCULATIONS WERE BASED ON A SLOPE OF 767 P.S.I./LOG CYCLE OBTAINED FROM THE FINAL SHUT-IN BUILD-UP PLOT. IT WAS ASSUMED FOR THESE CALCULATIONS: (A) GAS GRAVITY 0.70, (B) VISCOSITY 0.0148 CP., (C) AND GAS DEVIATION FACTOR 0.83. THESE FIGURES WERE OBTAINED FROM THE AVAILABLE TECHNICAL LITERATURE.
4. WELLBORE DAMAGE: THE CALCULATED DAMAGE RATIO OF 1.20 INDICATES THAT WELLBORE DAMAGE IS PRESENT AT THE TIME AND CONDITIONS OF THIS TEST. THE PRESSURE DROP DUE TO DAMAGE IS ESTIMATED TO BE 472 P.S.I.
5. RADIUS OF INVESTIGATION: THE CALCULATED RADIUS OF INVESTIGATION OF THIS TEST IS 15 FEET BASED ON AN ASSUMED POROSITY OF 10% COMPRESSIBILITY OF  $7.036 \times 10^{-4}$ , AND OTHER ASSUMPTIONS MADE IN NUMBER 3 ABOVE.
6. GENERAL COMMENTS: THE FORMATION EXHIBITS THE CHARACTERISTICS OF RELATIVELY LOW PERMEABILITY EFFECTIVE TO THE RESERVOIR FLUID AND INDICATES THE PRESENCE OF WELLBORE DAMAGE. FROM THE NATURE OF THE SECOND SHUT-IN THERE SEEMS TO BE SOME KIND OF ANOMALY PRESENT, WHICH COULD BE A DECREASE IN TRANSMISSIBILITY AWAY FROM THE WELLBORE.

*P.K. Suresh*

P.K. SURESH  
DENVER RESERVOIR EVALUATION DEPARTMENT

NATURAL GAS CORPORATION OF CALIFORNIA  
FEDERAL #1-5, UINTAH COUNTY, UTAH  
SEC. T10S R23E, 6412' TO 6512', TEST #1

FIELD REPORT #32329 D

In making any interpretation, our employees will give Customer the benefit of their best judgment as to the correct interpretation. Nevertheless, since all interpretations are opinions based on inferences from electrical, mechanical or other measurements, we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not be liable or responsible, except in the case of gross or wilful negligence on our part, for any loss, costs, damages or expenses incurred or sustained by Customer resulting from any interpretation made by any of our agents or employees.

# Gas Reservoir Engineering Data



Instrument No. J-1637

Field Report No. 32329 D

Damage Ratio	DR	1.20	Effective Transmissibility TO GAS	$\frac{Kh}{\mu}$	120.97	$\frac{Md-ft.}{Cp.}$
Maximum Reservoir Pressure INITIAL SHUT-IN	$P_o$	3007 P.S.I.G.	Flow Rate GAS	$Q_g$	360	MCF/day
Slope of Shut-in Curve FINAL SHUT-IN	$M_g$	767 PSI/log cycle	Flow Rate	$Q$		
Potentiometric Surface (Datum Plane, Sea Level)	PS	5805 ft.	Pressure Gradient		0.469	PSI/ft.
Radius of Investigation		15 ft.	K (Effective to GAS)		0.09	Md.

SLOPE M = 2993 - 2226 = 767 P.S.I./LOG CYCLE

### Assumptions made for Calculations for Gas Recoveries

1.  $Q_g$  is taken as steady state flow and unless stated otherwise at standard conditions 14.7 P.S.I. and 60°F.
2.  $P_f$  is final formation flowing pressure at steady state flow.
3. Formation flow is taken as single phase flow. If liquid (condensate) is produced at surface, condensation is assumed to have occurred in drill pipe.
4. Radial flow is assumed.
5. Unless given, gas specific gravity is assumed to be 0.7 (air 1.0) and having pseudo critical temperature at 385° Rankin and pseudo critical pressure of 666 P.S.I.A.
6. Other standard radial flow, steady state assumptions.

#### Empirical Equations:

$$1. \text{ EDR} = \frac{P_o^2 - P_f^2}{M_g (\log T + 2.65)} \text{ where } M_g = \frac{P_1^2 - P_{10}^2}{\text{Log Cycle}}$$

$$2. \text{ Transmissibility } \frac{Kh}{\mu Z} = \frac{1637^\circ T_f Q_g}{M_g}$$

$$3. \text{ P.S.} = [P_o \times 2.309 \text{ ft./PSI}] - [\text{Recorder depth to sea level.}]$$

$$4. \text{ Radius of Investigation, } r_i = \sqrt{\frac{Kt}{40\phi (1 - S_w)\mu c}} \text{ where } t = \text{time in days}$$

In making any interpretation, our employees will give Customer the benefit of their best judgment as to the correct interpretation. Nevertheless, since all interpretations are opinions based on inferences from electrical, mechanical or other measurements, we cannot, and do not, guarantee the accuracy or correctness or any interpretations, and we shall not be liable or responsible, except in the case of gross or wilful negligence on our part, for any loss, costs, damages or expenses incurred or sustained by Customer resulting from any interpretation made by any of our agents or employees.

$\Delta T$  (MIN)

0.91 1.3 1.9 2.7 4.0 6.0 9.3 15 28 67  $\infty$

**HORNER PLOT**

FIELD REPORT NO. 323290  
INSTRUMENT NO. J-1637

COMPANY : NATURAL GAS CORPORATION OF CALIFORNI  
WELL : NGC FEDERAL #1-15

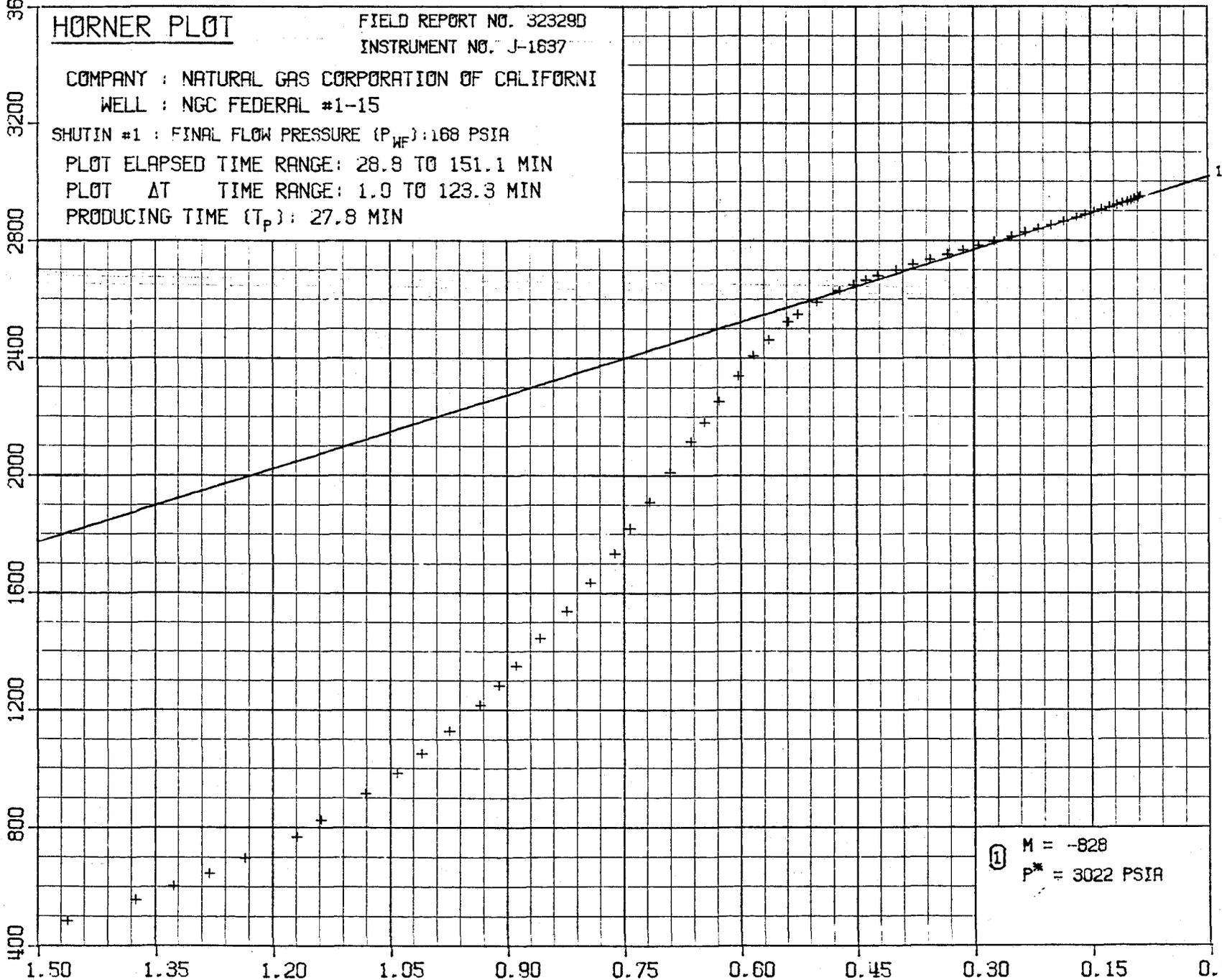
SHUTIN #1 : FINAL FLOW PRESSURE ( $P_{WF}$ ): 168 PSIA

PLOT ELAPSED TIME RANGE: 28.9 TO 151.1 MIN

PLOT  $\Delta T$  TIME RANGE: 1.0 TO 123.3 MIN

PRODUCING TIME ( $T_p$ ): 27.8 MIN

SHUTIN PRESSURE [PSIA]

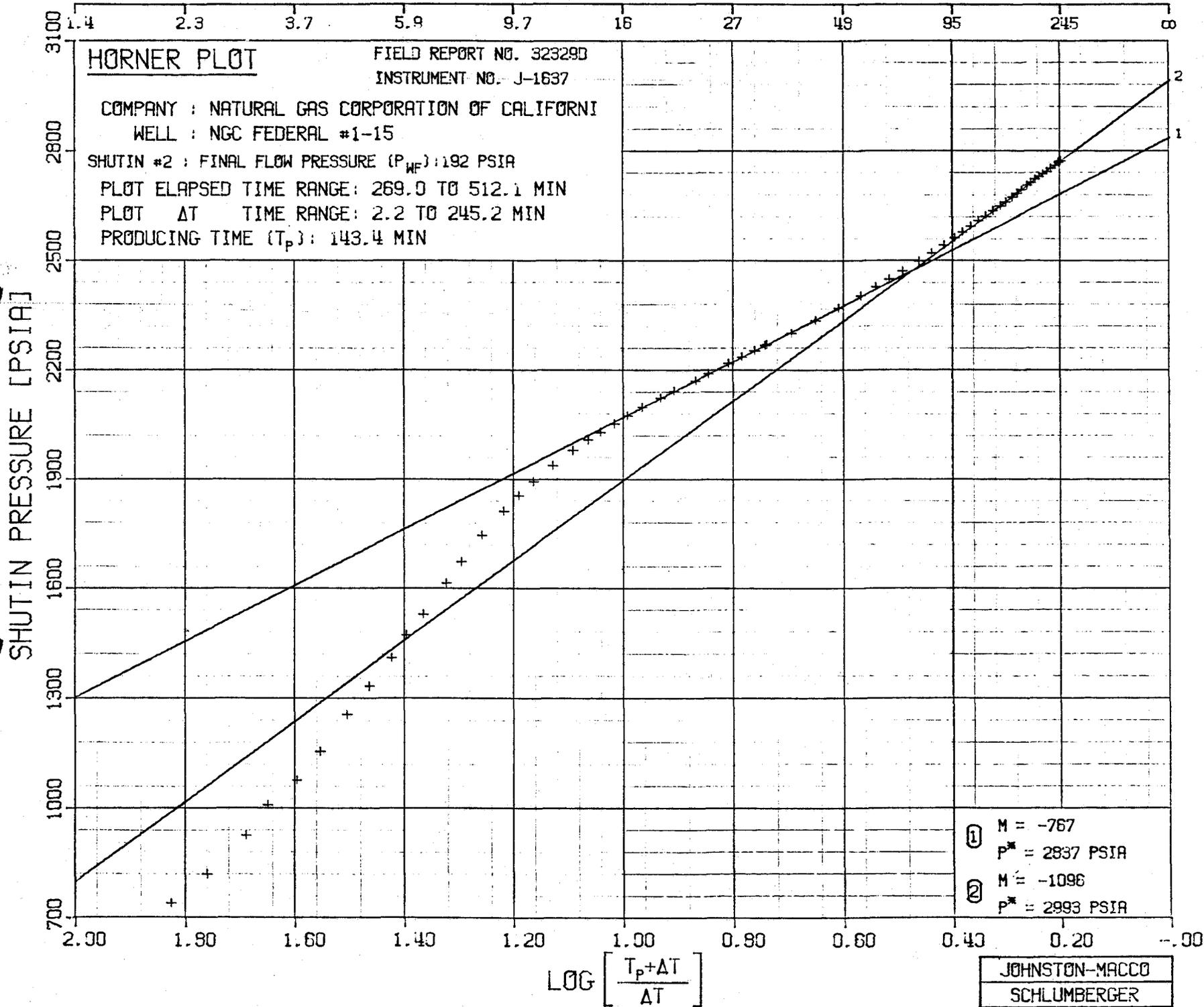


①  $M = -828$   
 $P^* = 3022$  PSIA

$\log \left[ \frac{T_p + \Delta T}{\Delta T} \right]$

JOHNSTON-MACCO  
SCHLUMBERGER

ΔT (MIN)

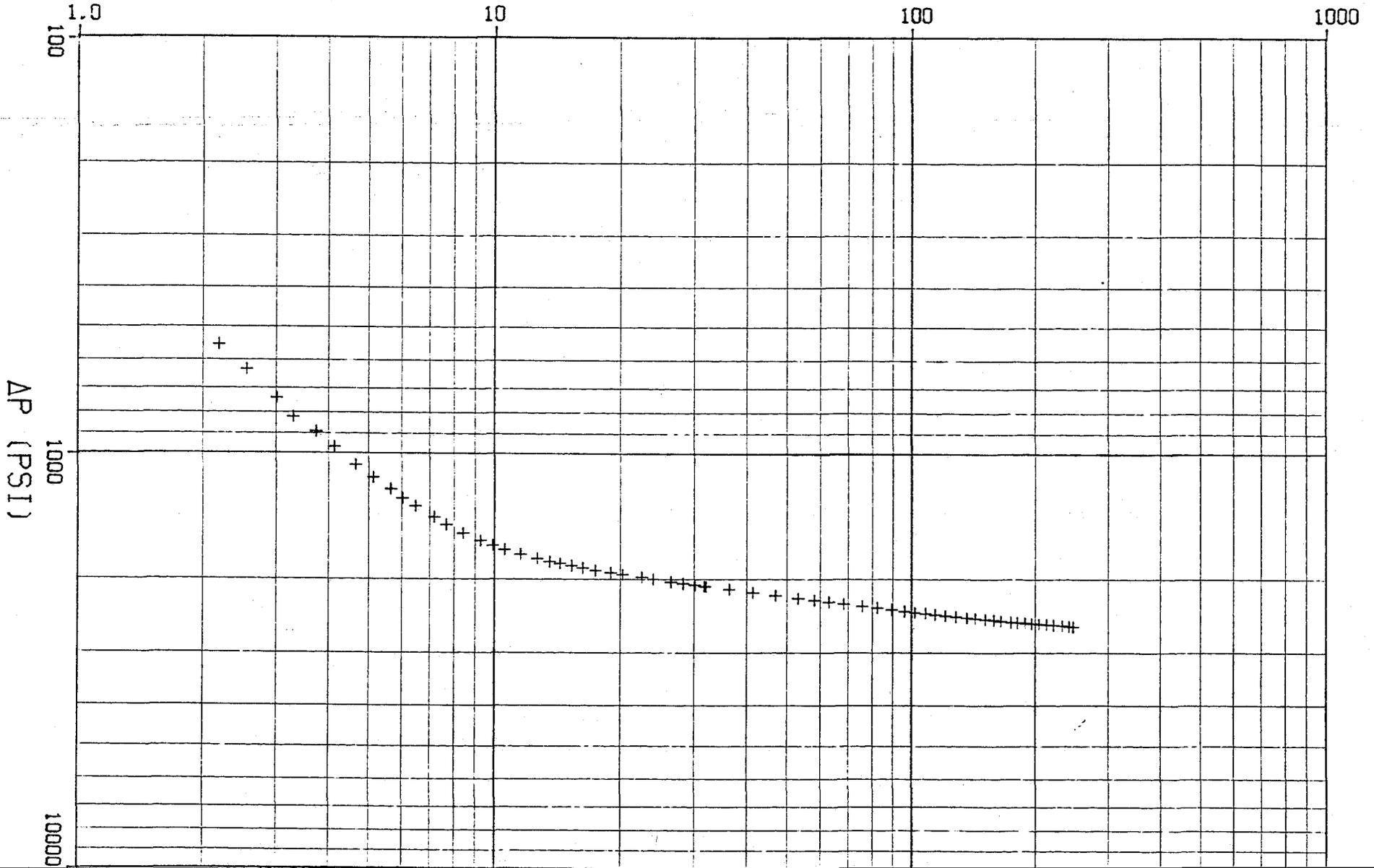


# LOG LOG PLOT

COMPANY : NATURAL GAS CORPORATION OF CALIFORNI  
WELL : NGC FEDERAL #1-15  
FIELD REPORT NO. 32329D  
INSTRUMENT NO. J-1637

SHUTIN #2 :  
FINAL FLOW PRESSURE ( $P_{WF}$ ): 192 PSIA  
PLOT ELAPSED TIME RANGE: 269.0 TO 512.1 MIN  
PLOT  $\Delta T$  TIME RANGE: 2.2 TO 245.2 MIN

$\Delta T$  (MIN)



AP (PSI)

JOHNSTON-MRCCO  
SCHLUMBERGER

\*\*\*\*\*  
 \* TEST TICKET DATA PRINTOUT \*  
 \*\*\*\*\*

## WELL IDENTIFICATION

1. WELL	:	NGC FEDERAL #1-5
2. COMPANY	:	NATURAL GAS CORP. OF CALIFORNIA
3.	:	85 SOUTH 200 EAST
4.	:	VERNAL, UTAH 84078
5.	:	
6.	:	
7.	:	
8. FIELD	:	WILDCAT
9. COUNTY	:	UINTAH
10. STATE/PROV.	:	UTAH
11. LOCATION	:	SEC. 5, T10S R23E
12. TECHNICIAN	:	RICHARDS (VERNAL)
13. TEST APPROVED BY	:	MR. CURTIS WINN
14. TEST DATE	:	4-26-81
15. DEPTH REFERENCE	:	KELLY BUSHING
16. DEPTH REFERENCE ELEVATION	:	S.L. 5280. FT

## HOLE INFORMATION

1. THE HOLE IS STRAIGHT.	
2. TOTAL DEPTH	: 6512. FT
3. OPEN HOLE DIAMETER	: 7.80 IN

## MUD INFORMATION

1. MUD TYPE	:	SALT-MUD
2. MUD WEIGHT	:	9.5 LB/GAL
3. MUD VISCOSITY	:	35. MARSH FUNNEL SEC
4. CORRECTED WATER LOSS	:	7.8 CC/30 MIN
5. MUD RESISTIVITY	:	0.42 OHM-M
6. MUD RES. MEAS. TEMP.	:	66.0 DEG F
7. MUD FILTRATE RESISTIVITY	:	0.42 OHM-M
8. MUD FILT. RES. MEAS. TEMP.	:	74.0 DEG F
9. MUD CHLORIDES CONTENT	:	60000.0 PPM BY WEIGHT

\*\*\*\*\*  
 \* TEST TICKET DATA PRINTOUT \*  
 \*\*\*\*\*

## TEST INFORMATION

1. FIELD REPORT NUMBER : 32329D  
 2. TEST TYPE : M.F.E. OPEN HOLE  
 3. TEST NUMBER : 1  
 4. TELEFLOW IN USE ? : NO  
 5. SSSR DR J-300 IN USE ? : NO  
 6. SPRD IN USE ? : NO  
 7. PTSDL IN USE ? : NO

## TEST STRING INFORMATION

#	COMPONENT NAME	EFFECTIVE		FLOW PATH LENGTH (FT)	J/M CODE
		I.D. (IN)	O.D. (IN)		
1	DRILL PIPE	3.80	4.50	5882.	0
2	DRILL COLLARS	2.25	6.25	486.	0
3	TEST TOOL STRING	0.93	5.00	144.	0

## TEST STRING PLACEMENT

1. TEST TYPE CODE 1 - ON BOTTOM  
 2. DEPTH AT BOTTOM OF DEEPEST PACKER SUB : 6413. FT  
 3. DEPTH AT BOTTOM OF DEEPEST UPPER PACKER RUBBER : 6412. FT

## TEST ZONE DESCRIPTION

FORMATION NAME	TOP (FT)	BOTTOM (FT)	PRODUCTION ZONE	
			THICKNESS (FT)	POROSITY
1 WASATCH			20.	0.10

\*\*\*\*\*  
 \* TEST TICKET DATA PRINTOUT \*  
 \*\*\*\*\*

TEST CONDITIONS

1. BOTTOMHOLE CHOKE(S) EFF. INTERNAL DIA. : 0.93 IN

TEST TOOL SAMPLE CHAMBER RECOVERY DATA

SAMPLE PRESSURE : 450. PSIG  
 OIL GRAVITY : DEG. API @ DEG F  
 GAS/OIL RATIO : FT3/BBL

SAMPLE CHAMBER CONTENTS

FLUID	VOLUME	RESISTIVITY		CHLORIDES
GAS	2.6 FT3			
OIL	0.0 CC			
WATER	0.0 CC	OHM-M @	DEG F	PPM
MUD	0.0 CC	OHM-M @	DEG F	
TOTAL LIQUID	0.0 CC			

RECOVERY INFORMATION

DESCRIPTION	FEET	% %			API		RESISTIVITY		CHL
		OIL	H2O	OTH	DEG.	DEG.F	OHM-M	DEG.F	PPM

1

\*\*\*\*\*  
 \* TEST TICKET DATA PRINTOUT \*  
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## SURFACE INFORMATION

	DESCRIPTION	TIME	PRESSURE	CHOKE SIZE
1	SET PACKER (4-26-81)	1658		
2	OPENED TOOL	1700	-	1/4"
3		1705	30.0	"
4	GAS TO SURFACE; CHANGED CHOKE	1715	75.0	3/8"
5	320 MCF/DAY			
6	CLOSED FOR INITIAL SHUT-IN	1730	-	"
7	FINISHED SHUT-IN	1930	-	"
8	RE-OPENED TOOL	1931	-	"
9	GAS TO SURFACE:			
10	310 MCF/DAY	1940	80.0	"
11	370 MCF/DAY	1950	100.0	"
12	380 MCF/DAY	2030	103.0	"
13	370 MCF/DAY	2045	100.0	"
14	375 MCF/DAY	2055	97.0	"
15	360 MCF/DAY	2100	95.0	"
16	CLOSED FOR FINAL SHUT-IN	2131	-	"
17	FINISHED SHUT-IN (2-27-81)	0132	-	"
18	PULLED PACKER LOOSE	0135	-	-
19	FINISHED REVERSING	1100	-	-

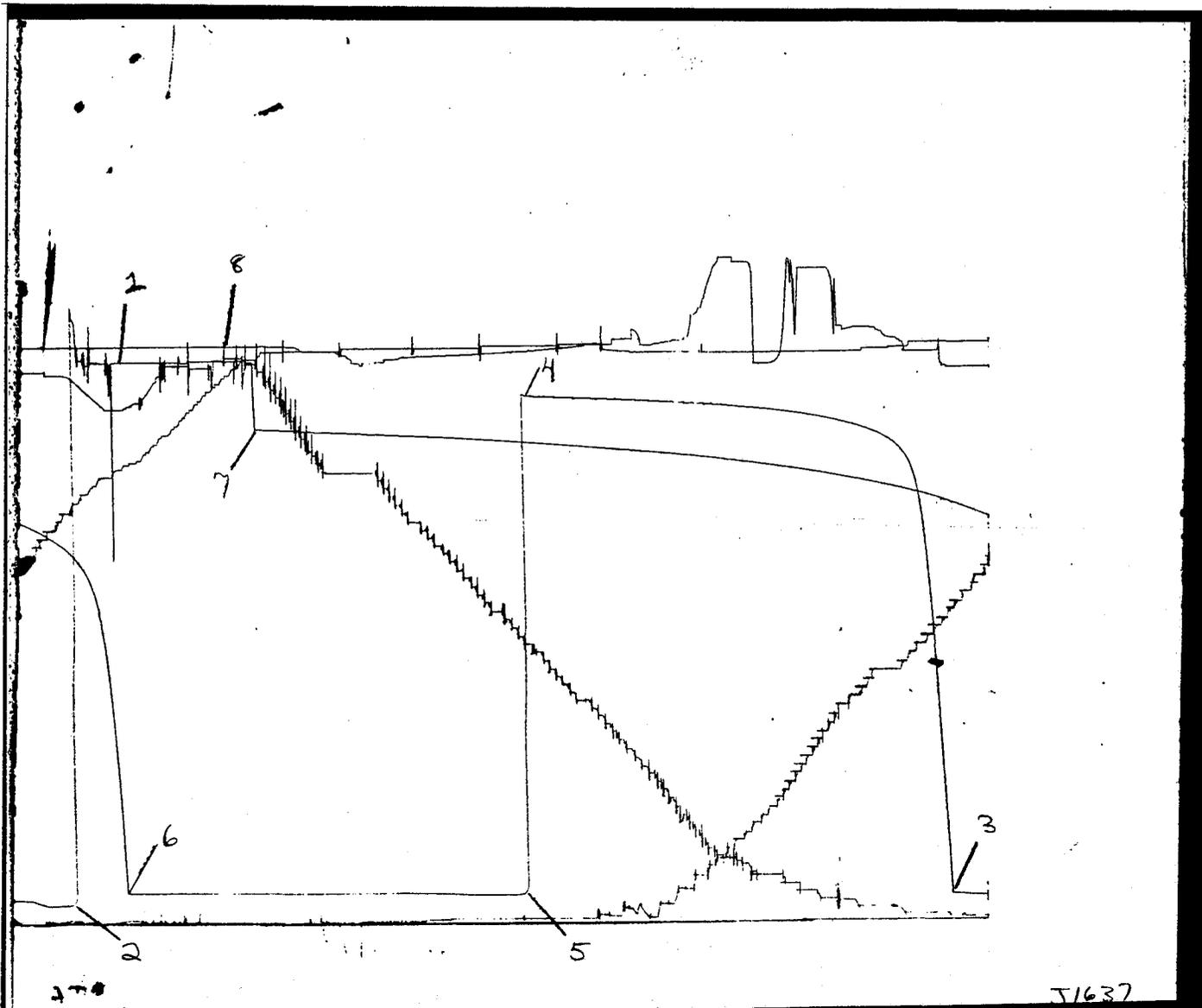
FIELD REPORT NO.: 32329 D

CAPACITY: 4700#

JOHNSTON  
Schlumberger

INSTRUMENT NO.: J-1637

NUMBER OF REPORTS: 9



# BOTTOMHOLE PRESSURE LOG

FIELD REPORT NO. 32329D

COMPANY : NATURAL GAS CORPORATION OF CALIFORNIA

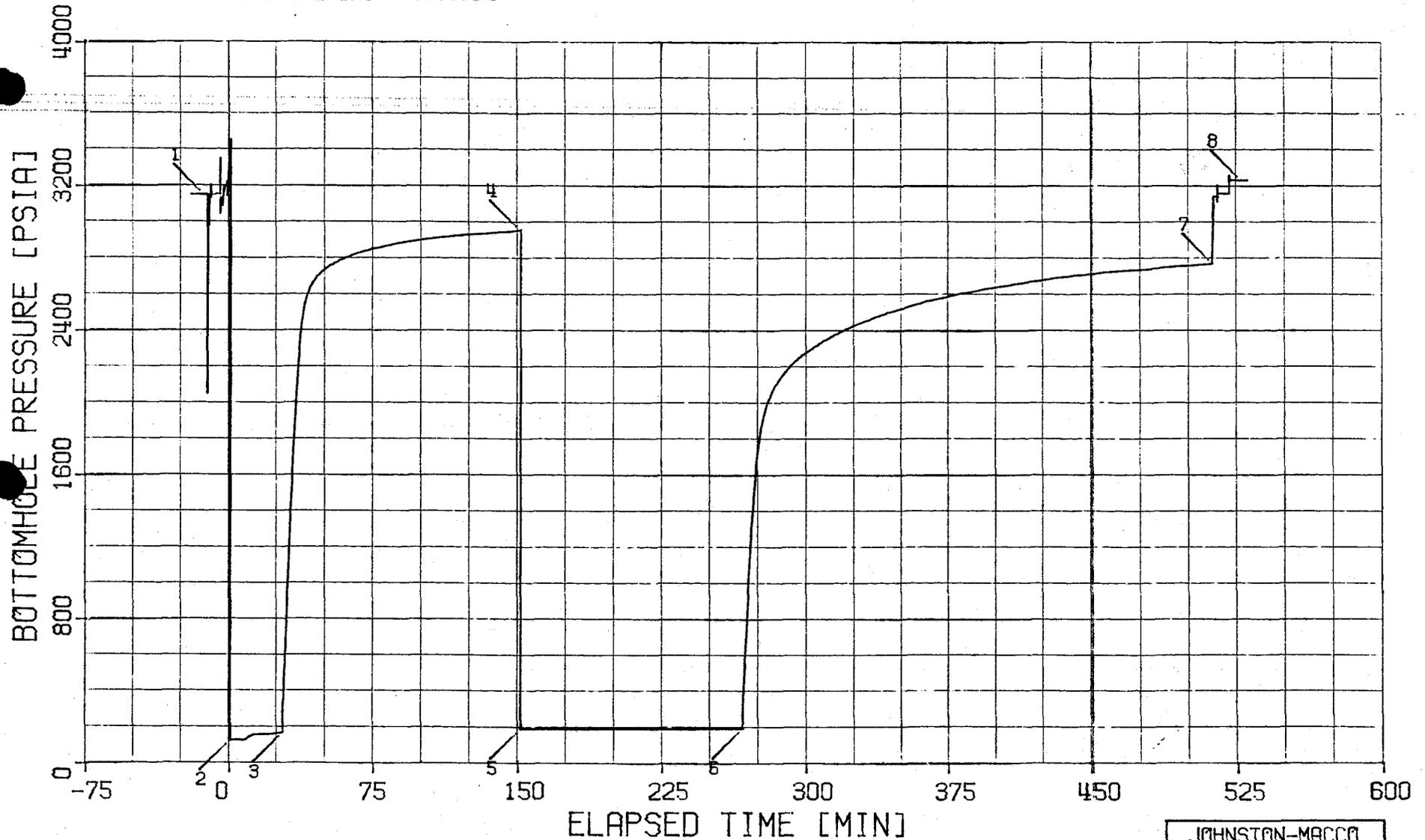
INSTRUMENT NO. J-1637

WELL : NGC FEDERAL #1-15

DEPTH : 6418 FT

CAPACITY : 4700 PSI

PORT OPENING : OUTSIDE



JOHNSTON-MACCO  
SCHLUMBERGER

\*\*\*\*\*  
 \* WELL TEST DATA PRINTOUT \*  
 \*\*\*\*\*

FIELD REPORT # : 32329D

COMPANY : NATURAL GAS CORPORATION OF CALIFORNI  
 WELL : NGC FEDERAL #1-15

INSTRUMENT # : J-1637  
 CAPACITY [PSI] : 4700.  
 DEPTH [FT] : 6418.0  
 PORT OPENING : OUTSIDE  
 TEMPERATURE [DEG F] : 152.0

LABEL POINT INFORMATION  
 \*\*\*\*\*

#	TIME OF DAY HH:MM:SS	DATE DD-MM	EXPLANATION	ELAPSED TIME, MIN	BOT HOLE PRESSURE PSIA
1	16:46:26	26-AP	HYDROSTATIC MUD	-13.56	3151.20
2	17: 0: 0	26-AP	START FLOW	0.00	125.10
3	17:27:46	26-AP	END FLOW & START SHUT-IN	27.77	168.48
4	19:31: 5	26-AP	END SHUT-IN	151.09	2952.52
5	19:31:14	26-AP	START FLOW	151.24	186.90
6	21:26:50	26-AP	END FLOW & START SHUT-IN	266.83	191.80
7	1:32: 3	27-AP	END SHUT-IN	512.05	2774.83
8	1:47: 3	27-AP	HYDROSTATIC MUD	527.05	3235.38

SUMMARY OF FLOW PERIODS  
 \*\*\*\*\*

PERIOD	START ELAPSED TIME, MIN	END ELAPSED TIME, MIN	DURATION MIN	START PRESSURE PSIA	END PRESSURE PSIA
1	0.00	27.77	27.77	125.10	168.48
2	151.24	266.83	115.59	186.90	191.80

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	27.77	151.09	123.32	168.48	2952.52	168.48	27.77
2	266.83	512.05	245.22	191.80	2774.83	191.80	143.36

TEST PHASE : FLOW PERIOD # 1

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA
17: 0: 0	26-AP	0.00	0.00	125.10
17: 5: 0	26-AP	5.00	5.00	124.64
17:10: 0	26-AP	10.00	10.00	140.90
17:15: 0	26-AP	15.00	15.00	157.88
17:20: 0	26-AP	20.00	20.00	158.92
17:25: 0	26-AP	25.00	25.00	164.85
17:27:46	26-AP	27.77	27.77	168.48

TEST PHASE : SHUTIN PERIOD # 1

FINAL FLOW PRESSURE [PSIA] = 168.48  
 PRODUCING TIME [MIN] = 27.77

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
17:27:46	26-AP	27.77	0.00	168.48	0.00	
17:28:46	26-AP	28.77	1.00	488.03	319.55	1.459
17:29:46	26-AP	29.77	2.00	766.32	597.84	1.173
17:30:46	26-AP	30.77	3.00	1048.30	879.82	1.011
17:31:46	26-AP	31.77	4.00	1315.36	1146.88	0.900
17:32:46	26-AP	32.77	5.00	1561.03	1392.55	0.817
17:33:46	26-AP	33.77	6.00	1785.05	1616.57	0.750
17:34:46	26-AP	34.77	7.00	1990.09	1821.61	0.696
17:35:46	26-AP	35.77	8.00	2167.29	1998.81	0.650
17:36:46	26-AP	36.77	9.00	2311.36	2142.88	0.611
17:37:46	26-AP	37.77	10.00	2425.85	2257.37	0.577
17:39:46	26-AP	39.77	12.00	2558.52	2390.04	0.520
17:41:46	26-AP	41.77	14.00	2627.66	2459.18	0.475
17:43:46	26-AP	43.77	16.00	2669.01	2500.53	0.437
17:45:46	26-AP	45.77	18.00	2697.96	2529.48	0.405
17:47:46	26-AP	47.77	20.00	2721.67	2553.19	0.378
17:49:46	26-AP	49.77	22.00	2739.94	2571.46	0.355
17:51:46	26-AP	51.77	24.00	2755.50	2587.02	0.334
17:53:46	26-AP	53.77	26.00	2768.68	2600.20	0.316
17:55:46	26-AP	55.77	28.00	2781.17	2612.69	0.299
17:57:46	26-AP	57.77	30.00	2791.70	2623.22	0.285
18: 2:46	26-AP	62.77	35.00	2814.40	2645.92	0.254
18: 7:46	26-AP	67.77	40.00	2833.67	2665.19	0.229
18:12:46	26-AP	72.77	45.00	2849.22	2680.74	0.209
18:17:46	26-AP	77.77	50.00	2862.42	2693.94	0.192
18:22:46	26-AP	82.77	55.00	2873.63	2705.15	0.178
18:27:46	26-AP	87.77	60.00	2884.12	2715.64	0.165
18:32:46	26-AP	92.77	65.00	2893.41	2724.93	0.154
18:37:46	26-AP	97.77	70.00	2900.82	2732.34	0.145
18:42:46	26-AP	102.77	75.00	2908.08	2739.60	0.137
18:47:46	26-AP	107.77	80.00	2914.69	2746.21	0.129

TEST PHASE : SHUTIN PERIOD # 1  
 FINAL FLOW PRESSURE [PSIA] = 168.48  
 PRODUCING TIME [MIN] = 27.77

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
18:52:46	26-AP	112.77	85.00	2920.02	2751.54	0.123
18:57:46	26-AP	117.77	90.00	2924.90	2756.42	0.117
19: 2:46	26-AP	122.77	95.00	2930.08	2761.60	0.111
19: 7:46	26-AP	127.77	100.00	2932.98	2764.50	0.106
19:12:46	26-AP	132.77	105.00	2936.45	2767.97	0.102
19:17:46	26-AP	137.77	110.00	2940.72	2772.24	0.098
19:22:46	26-AP	142.77	115.00	2944.70	2776.22	0.094
19:27:46	26-AP	147.77	120.00	2948.21	2779.73	0.090
19:31: 5	26-AP	151.09	123.32	2952.52	2784.04	0.088

TEST PHASE : FLOW PERIOD # 2

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA
19:31:14	26-AP	151.24	0.00	186.90
19:36:14	26-AP	156.24	5.00	186.90
19:41:14	26-AP	161.24	10.00	186.90
19:46:14	26-AP	166.24	15.00	186.90
19:51:14	26-AP	171.24	20.00	186.90
19:56:14	26-AP	176.24	25.00	186.90
20: 1:14	26-AP	181.24	30.00	186.90
20: 6:14	26-AP	186.24	35.00	187.83
20:11:14	26-AP	191.24	40.00	188.83
20:16:14	26-AP	196.24	45.00	189.84
20:21:14	26-AP	201.24	50.00	189.93
20:26:14	26-AP	206.24	55.00	189.93
20:31:14	26-AP	211.24	60.00	189.93
20:36:14	26-AP	216.24	65.00	189.93
20:41:14	26-AP	221.24	70.00	189.93
20:46:14	26-AP	226.24	75.00	189.93
20:51:14	26-AP	231.24	80.00	189.93
20:56:14	26-AP	236.24	85.00	189.93
21: 1:14	26-AP	241.24	90.00	190.41
21: 6:14	26-AP	246.24	95.00	190.98
21:11:14	26-AP	251.24	100.00	191.54
21:16:14	26-AP	256.24	105.00	191.80
21:21:14	26-AP	261.24	110.00	191.80
21:26:14	26-AP	266.24	115.00	191.80
21:26:50	26-AP	266.83	115.59	191.80

TEST PHASE : SHUTIN PERIOD # 2  
 FINAL FLOW PRESSURE [PSIA] = 191.80  
 PRODUCING TIME [MIN] = 143.36

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HDLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
*****	*****	*****	*****	*****	*****	*****
21:26:50	26-AP	266.83	0.00	191.80	0.00	
21:27:50	26-AP	267.83	1.00	447.72	255.92	2.159
21:28:50	26-AP	268.83	2.00	704.81	513.01	1.861
21:29:50	26-AP	269.83	3.00	929.90	738.10	1.688
21:30:50	26-AP	270.83	4.00	1133.36	941.56	1.566
21:31:50	26-AP	271.83	5.00	1318.19	1126.39	1.472
21:32:50	26-AP	272.83	6.00	1473.76	1281.96	1.396
21:33:50	26-AP	273.83	7.00	1597.76	1405.96	1.332
21:34:50	26-AP	274.83	8.00	1709.79	1517.99	1.277
21:35:50	26-AP	275.83	9.00	1793.66	1601.86	1.229
21:36:50	26-AP	276.83	10.00	1861.47	1669.67	1.186
21:38:50	26-AP	278.83	12.00	1956.19	1764.39	1.112
21:40:50	26-AP	280.83	14.00	2020.42	1828.62	1.051
21:42:50	26-AP	282.83	16.00	2068.55	1876.75	0.998
21:44:50	26-AP	284.83	18.00	2106.71	1914.91	0.953
21:46:50	26-AP	286.83	20.00	2137.83	1946.03	0.912
21:48:50	26-AP	288.83	22.00	2164.42	1972.62	0.876
21:50:50	26-AP	290.83	24.00	2190.57	1998.77	0.843
21:52:50	26-AP	292.83	26.00	2213.69	2021.89	0.814
21:54:50	26-AP	294.83	28.00	2234.20	2042.40	0.787
21:56:50	26-AP	296.83	30.00	2253.00	2061.20	0.762
22: 1:50	26-AP	301.83	35.00	2291.81	2100.01	0.707
22: 6:50	26-AP	306.83	40.00	2327.07	2135.27	0.661
22:11:50	26-AP	311.83	45.00	2358.83	2167.03	0.622
22:16:50	26-AP	316.83	50.00	2387.28	2195.48	0.587
22:21:50	26-AP	321.83	55.00	2413.81	2222.01	0.557
22:26:50	26-AP	326.83	60.00	2437.60	2245.80	0.530
22:31:50	26-AP	331.83	65.00	2458.86	2267.06	0.506
22:36:50	26-AP	336.83	70.00	2479.03	2287.23	0.484
22:41:50	26-AP	341.83	75.00	2497.93	2306.13	0.464
22:46:50	26-AP	346.83	80.00	2514.71	2322.91	0.446
22:51:50	26-AP	351.83	85.00	2530.66	2338.86	0.429
22:56:50	26-AP	356.83	90.00	2546.05	2354.25	0.414
23: 1:50	26-AP	361.83	95.00	2560.85	2369.05	0.400
23: 6:50	26-AP	366.83	100.00	2574.20	2382.40	0.386
23:11:50	26-AP	371.83	105.00	2586.83	2395.03	0.374
23:16:50	26-AP	376.83	110.00	2599.15	2407.35	0.362
23:21:50	26-AP	381.83	115.00	2610.95	2419.15	0.352
23:26:50	26-AP	386.83	120.00	2620.22	2428.42	0.341
23:31:50	26-AP	391.83	125.00	2630.40	2438.60	0.332
23:36:50	26-AP	396.83	130.00	2640.06	2448.26	0.323
23:41:50	26-AP	401.83	135.00	2648.40	2456.60	0.314
23:46:50	26-AP	406.83	140.00	2656.64	2464.84	0.306
23:51:50	26-AP	411.83	145.00	2664.92	2473.12	0.299
23:56:50	26-AP	416.83	150.00	2673.29	2481.49	0.291
0: 1:50	27-AP	421.83	155.00	2680.52	2488.72	0.284
0: 6:50	27-AP	426.83	160.00	2687.68	2495.88	0.278
0:11:50	27-AP	431.83	165.00	2695.37	2503.57	0.272

TEST PHASE : SHUTIN PERIOD # 2

FINAL FLOW PRESSURE [PSIA] = 191.80

PRODUCING TIME [MIN] = 143.36

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
0:16:50	27-AP	436.83	170.00	2702.08	2510.28	0.266
0:21:50	27-AP	441.83	175.00	2708.65	2516.85	0.260
0:26:50	27-AP	446.83	180.00	2714.26	2522.46	0.254
0:31:50	27-AP	451.83	185.00	2720.69	2528.89	0.249
0:36:50	27-AP	456.83	190.00	2726.67	2534.87	0.244
0:41:50	27-AP	461.83	195.00	2731.64	2539.84	0.239
0:46:50	27-AP	466.83	200.00	2736.18	2544.38	0.235
0:51:50	27-AP	471.83	205.00	2740.31	2548.51	0.230
0:56:50	27-AP	476.83	210.00	2743.84	2552.04	0.226
1: 1:50	27-AP	481.83	215.00	2748.65	2556.85	0.222
1: 6:50	27-AP	486.83	220.00	2754.28	2562.48	0.218
1:11:50	27-AP	491.83	225.00	2758.48	2566.68	0.214
1:16:50	27-AP	496.83	230.00	2762.61	2570.81	0.210
1:21:50	27-AP	501.83	235.00	2766.63	2574.83	0.207
1:26:50	27-AP	506.83	240.00	2770.63	2578.83	0.203
1:31:50	27-AP	511.83	245.00	2774.65	2582.85	0.200
1:32: 3	27-AP	512.05	245.22	2774.83	2583.03	0.200

JOHNSTON-MACCO

**Schlumberger**

WESTERN REGION  
1745 STOUT SUITE 300  
DENVER, COLORADO 80202  
(303) 623-0760

May 27, 1981

F.R. # 32330 D  
Company: NATURAL GAS CORPORATION OF  
Well Name: CALIFORNIA.  
NGC FEDERAL #1  
Drill Stem Test #: 2

Gentlemen:

The attached technical report is a corrected copy of the report previously sent to you on the above noted well. It is suggested that all copies of the original technical report be destroyed because of pressure reading inaccuracies contained therein.

A comparative check of the pressure readings generated by our Denver Office Computer System indicated they were slightly different than ones generated on the Houston based computer system. The problem has been resolved.

We sincerely hope that this matter has not caused you any inconvenience.

*J. C. Wilson*  
J.C. Wilson

Western Region Manager  
Johnston-Macco

RECEIVED

JUN 5 1981

DIVISION OF  
OIL, GAS & MINING

A DIV. OF SCHLUMBERGER TECHNOLOGY CORPORATION

TELEPHONE (713) 491-1313

P.O. BOX 36369 • HOUSTON, TEXAS 77036

TESTING AND EVALUATION • COMPLETION, DRILLING, AND FISHING TOOLS • WIRELINE AND HYDRAULIC WORKOVER • GAS LIFT AND SAFETY VALVES

COMPANY NATURAL GAS CORP. OF WELL NGC FEDERAL #1-5 TEST NO. 2 COUNTY UINTAH STATE UTAH  
CALIFORNIA

**JOHNSTON-MACCO**  
**Schlumberger**

**technical  
report**

\*\*\*\*\*  
 \* TEST TICKET DATA PRINTOUT \*  
 \*\*\*\*\*

## WELL IDENTIFICATION

1. WELL	:	NGC FEDERAL #1
2. COMPANY	:	NATURAL GAS CORPORATION OF CALIF.
3.	:	85 S . 200 EAST
4.	:	VERNAL , UTAH 84078
5. CUSTOMER	:	
6.	:	
7.	:	
8. FIELD	:	WILDCAT
9. COUNTY	:	UINTAH
10. STATE/PROV.	:	UTAH
11. LOCATION	:	SEC5 T10S R23E
12. TECHNICIAN	:	RICHARDS (VERNAL)
13. TEST APPROVED BY	:	MR. CURTIS WINN
14. TEST DATE	:	4-23-81
15. DEPTH REFERENCE	:	KELLY BUSHING
16. DEPTH REFERENCE ELEVATION	:	S.L. 5280. FT

## HOLE INFORMATION

1. IT IS NOT KNOWN IF THE HOLE IS STRAIGHT OR DEVIATED.	
2. TOTAL DEPTH	: 6986. FT
3. OPEN HOLE DIAMETER	: 7.88 IN

## MUD INFORMATION

1. MUD TYPE	: SALT MUD
2. MUD WEIGHT	: 9.5 LB/GAL
3. MUD VISCOSITY	: 35. MARSH FUNNEL SEC
4. CORRECTED WATER LOSS	: 12.0 CC/30 MIN
5. MUD RESISTIVITY	: 0.12 OHM-M
6. MUD RES. MEAS. TEMP.	: 70.0 DEG F
7. MUD FILTRATE RESISTIVITY	: 0.10 OHM-M
8. MUD FILT. RES. MEAS. TEMP.	: 70.0 DEG F
9. MUD CHLORIDES CONTENT	: 57000.0 PPM BY WEIGHT

\*\*\*\*\*  
 \* TEST TICKET DATA PRINTOUT \*  
 \*\*\*\*\*

TEST INFORMATION

1. FIELD REPORT NUMBER : 323300  
 2. TEST TYPE : MFE OPEN HOLE  
 3. TEST NUMBER : 2  
 4. TELEFLOW IN USE ? : NO  
 5. SSSR OR J-300 IN USE ? : NO  
 6. SPRO IN USE ? : NO  
 7. PTSOL IN USE ? : NO

TEST STRING INFORMATION

#	COMPONENT NAME	EFFECTIVE		FLOW PATH LENGTH (FT)	J/M CODE
		I.D. (IN)	O.D. (IN)		
1	DRILL PIPE	3.80	4.50	6339.	0
2	DRILL COLLARS	2.25	5.00	582.	0
3	MFE	0.93	5.00	10.	0
4	TEST TOOL STRING	0.93	5.00	55.	0

TEST STRING PLACEMENT

1. TEST TYPE CODE 1 - ON BOTTOM  
 2. DEPTH AT BOTTOM OF DEEPEST PACKER SUB : 6964. FT  
 3. DEPTH AT BOTTOM OF DEEPEST UPPER PACKER RUBBER : 6959. FT

TEST ZONE DESCRIPTION

FORMATION NAME	PRODUCTION ZONE			POROSITY
	TOP (FT)	BOTTOM (FT)	THICKNESS (FT)	
1 MESA VERDE	0.	0.	22.	10.00 -

\*\*\*\*\*  
 \* TEST TICKET DATA PRINTOUT \*  
 \*\*\*\*\*

## PRODUCTION ZONE

FORMATION NAME	TOP (FT)	BOTTOM (FT)	THICKNESS (FT)	POROSITY
----------------	----------	-------------	----------------	----------

## TEST CONDITIONS

1. BOTTOMHOLE CHOKE(S) EFF. INTERNAL DIA. : 0.93 IN

## TEST TOOL SAMPLE CHAMBER RECOVERY DATA

SAMPLE PRESSURE : 92. PSIG  
 OIL GRAVITY : 0.0 DEG. API @ 0.0 DEG F  
 GAS/OIL RATIO : 0. FT3/BBL

## SAMPLE CHAMBER CONTENTS

FLUID	VOLUME	RESISTIVITY		CHLORIDES
GAS	0.1 FT3			
OIL	0.0 CC			
WATER	1500.0 CC	0.04 OHM-M @	62.0 DEG F	75000. PPM
MUD	0.0 CC	0.00 OHM-M @	0.0 DEG F	
TOTAL LIQUID	1500.0 CC			

## RECOVERY INFORMATION

DESCRIPTION	FEET	% OIL			API		RESISTIVITY		CHL
		OIL	H2O	OTH	DEG.	DEG.F	OHM-M	DEG.F	PPM
1 MUD CUT WATER	31	0	100	0	0	0	0.0	62	68000.

\*\*\*\*\*  
 \* TEST TICKET DATA PRINTOUT \*  
 \*\*\*\*\*

## SURFACE INFORMATION

DESCRIPTION	TIME	PRESSURE	CHOKE SIZE
1 SET PACKER 4-23-81	0531		
2 OPENED TOOL	0533	-	1/4
3 BLOW 1" IN WATER		-	"
4	0544	1.25	"
5 CHANGED CHOKE	0547	1	19/32
6 CLOSED FOR INITIAL SHUT-IN	0604	1	"
7 FINISHED SHUT-IN	0806	-	"
8 RE-OPENED TOOL	0807	1	"
9	0812	1.25	"
10	0815	1.5	"
11	0823	1.25	"
12	0826	1	"
13	0845	1	"
14	0857	.75	"
15 BLOW 6" IN WATER	0915	-	"
16 BLOW 5" IN WATER	0926	-	"
17 BLOW 3" IN WATER	0957	-	"
18 CLOSED FOR FINAL SHUT-IN	1004	-	"
19 FINISHED SHUT-IN	1403		
20 PULLED PACKER LOOSE	1405		



# BOTTOMHOLE PRESSURE LOG

FIELD REPORT NO. 323300

COMPANY : NATURAL GAS CORP. OF CALIFORNIA

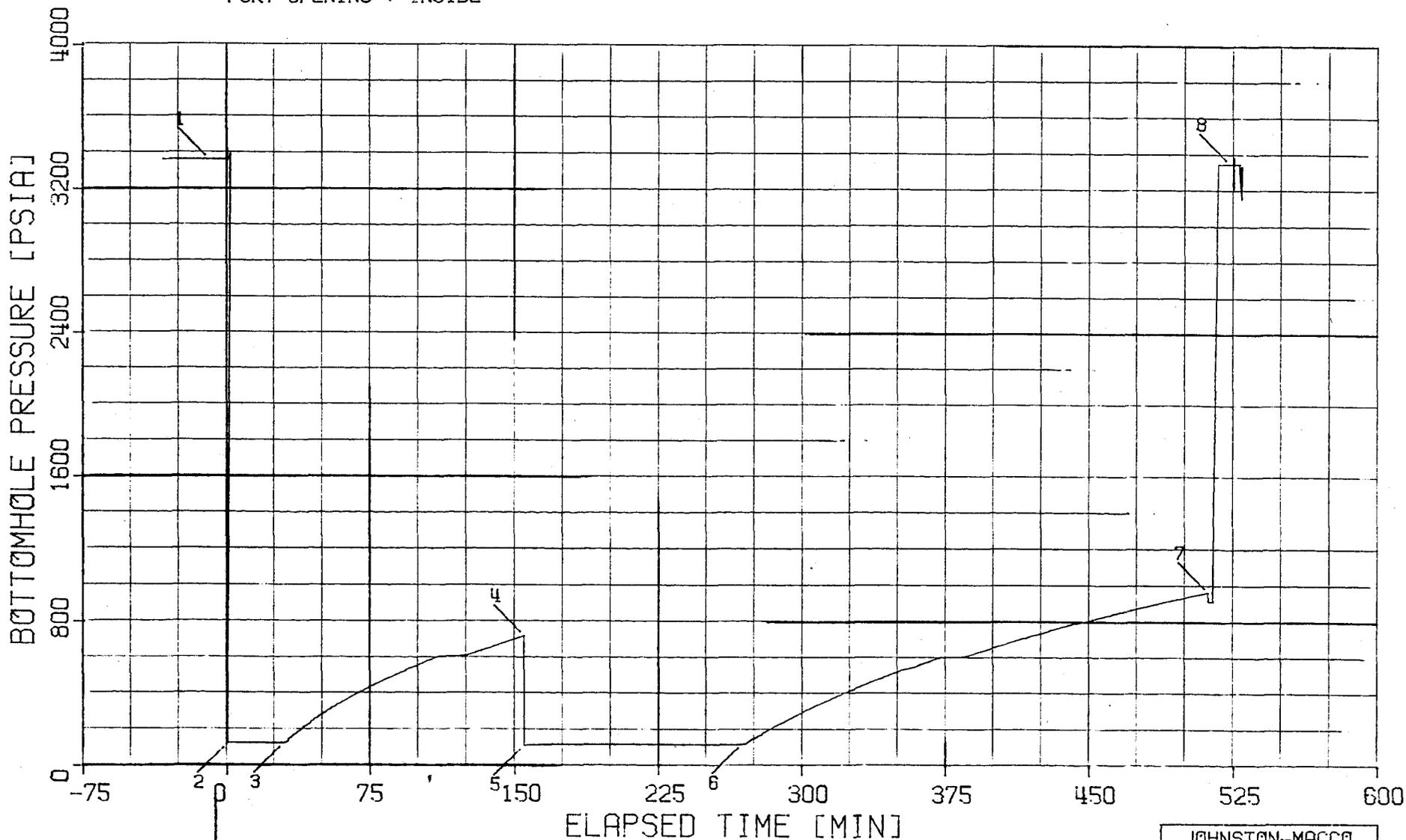
INSTRUMENT NO. J-1237

WELL : NGC FEDERAL #1-5

DEPTH : 6934 FT

CAPACITY : 4700 PSI

PORT OPENING : INSIDE



JOHNSTON-MACCO  
SCHLUMBERGER

\*\*\*\*\*  
 \* WELL TEST DATA PRINTOUT \*  
 \*\*\*\*\*

FIELD REPORT # : 32330D

INSTRUMENT # : J-1237  
 CAPACITY [PSI] : 4700.  
 DEPTH [FT] : 6934.0  
 PORT OPENING : INSIDE  
 TEMPERATURE [DEG F] : 161.0

COMPANY : NATURAL GAS CORP. OF CALIFORNIA  
 WELL : NGC FEDERAL #1-5

LABEL POINT INFORMATION  
 \*\*\*\*\*

#	TIME OF DAY HH:MM:SS	DATE DD-MM	EXPLANATION	ELAPSED TIME, MIN	BOT HOLE PRESSURE PSIA
1	5:23:26	22-AP	HYDROSTATIC MUD	-9.56	3369.02
2	5:33:00	22-AP	START FLOW	0.00	125.39
3	6:2:29	22-AP	END FLOW & START SHUT-IN	29.49	125.62
4	8:7:51	22-AP	END SHUT-IN	154.85	721.00
5	8:7:43	22-AP	START FLOW	154.71	110.49
6	10:1:41	22-AP	END FLOW & START SHUT-IN	268.69	121.43
7	14:4:42	22-AP	END SHUT-IN	511.70	970.98
8	14:15:38	22-AP	HYDROSTATIC MUD	522.63	3354.82

SUMMARY OF FLOW PERIODS  
 \*\*\*\*\*

PERIOD	START ELAPSED TIME, MIN	END ELAPSED TIME, MIN	DURATION MIN	START PRESSURE PSIA	END PRESSURE PSIA
1	0.00	29.49	29.49	125.39	125.62
2	154.71	268.69	113.98	110.49	121.43

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	29.49	154.85	125.36	125.62	721.00	125.62	29.49
2	268.69	511.70	243.01	121.43	970.98	121.43	143.47

TEST PHASE : FLOW PERIOD # 1

TIME OF DAY HH:MM:SS	DATE DD-MM	ELAPSED TIME,MIN	DELTA TIME,MIN	BOT HOLE PRESSURE PSIA
*****	*****	*****	*****	*****
5:33: 0	22-AP	0.00	0.00	125.39
5:38: 0	22-AP	5.00	5.00	126.55
5:43: 0	22-AP	10.00	10.00	126.55
5:48: 0	22-AP	15.00	15.00	126.55
5:53: 0	22-AP	20.00	20.00	125.98
5:58: 0	22-AP	25.00	25.00	125.62
6: 2:29	22-AP	29.49	29.49	125.62

TEST PHASE : SHUTIN PERIOD # 1

FINAL FLOW PRESSURE [PSIA] = 125.62  
 PRODUCING TIME [MIN] = 29.49

TIME OF DAY HH:MM:SS	DATE DD-MM	ELAPSED TIME,MIN	DELTA TIME,MIN	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
*****	*****	*****	*****	*****	*****	*****
6: 2:29	22-AP	29.49	0.00	125.62	0.00	
6: 3:29	22-AP	30.49	1.00	129.84	4.22	1.484
6: 4:29	22-AP	31.49	2.00	137.22	11.60	1.197
6: 5:29	22-AP	32.49	3.00	149.99	24.37	1.035
6: 6:29	22-AP	33.49	4.00	158.93	33.31	0.923
6: 7:29	22-AP	34.49	5.00	167.62	42.00	0.839
6: 8:29	22-AP	35.49	6.00	176.02	50.40	0.772
6: 9:29	22-AP	36.49	7.00	184.23	58.61	0.717
6:10:29	22-AP	37.49	8.00	192.44	66.82	0.671
6:11:29	22-AP	38.49	9.00	200.65	75.03	0.631
6:12:29	22-AP	39.49	10.00	208.86	83.24	0.596
6:14:29	22-AP	41.49	12.00	224.68	99.06	0.539
6:16:29	22-AP	43.49	14.00	238.97	113.35	0.492
6:18:29	22-AP	45.49	16.00	255.69	130.07	0.454
6:20:29	22-AP	47.49	18.00	269.90	144.28	0.421
6:22:29	22-AP	49.49	20.00	284.56	158.94	0.393
6:24:29	22-AP	51.49	22.00	297.86	172.24	0.369
6:26:29	22-AP	53.49	24.00	311.28	185.66	0.348
6:28:29	22-AP	55.49	26.00	324.44	198.82	0.329
6:30:29	22-AP	57.49	28.00	337.23	211.61	0.312
6:32:29	22-AP	59.49	30.00	349.60	223.98	0.297
6:37:29	22-AP	64.49	35.00	379.83	254.21	0.265
6:42:29	22-AP	69.49	40.00	408.37	282.75	0.240
6:47:29	22-AP	74.49	45.00	436.87	311.25	0.219
6:52:29	22-AP	79.49	50.00	462.88	337.26	0.201
6:57:29	22-AP	84.49	55.00	487.43	361.81	0.186
7: 2:29	22-AP	89.49	60.00	512.27	386.65	0.174
7: 7:29	22-AP	94.49	65.00	536.17	410.55	0.162
7:12:29	22-AP	99.49	70.00	558.17	432.55	0.153
7:17:29	22-AP	104.49	75.00	580.63	455.01	0.144
7:22:29	22-AP	109.49	80.00	601.37	475.75	0.136

TEST PHASE : SHUTIN PERIOD # 1

FINAL FLOW PRESSURE [PSIA] = 125.62

PRODUCING TIME [MIN] = 29.49

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
7:27:29	22-AP	114.49	85.00	607.81	482.19	0.129
7:32:29	22-AP	119.49	90.00	610.38	484.76	0.123
7:37:29	22-AP	124.49	95.00	613.54	487.92	0.117
7:42:29	22-AP	129.49	100.00	627.37	501.75	0.112
7:47:29	22-AP	134.49	105.00	645.59	519.97	0.108
7:52:29	22-AP	139.49	110.00	664.31	538.69	0.103
7:57:29	22-AP	144.49	115.00	682.48	556.86	0.099
8: 2:29	22-AP	149.49	120.00	700.32	574.70	0.095
8: 7:29	22-AP	154.49	125.00	719.54	593.92	0.092
8: 7:51	22-AP	154.85	125.36	721.00	595.38	0.092

TEST PHASE : FLOW PERIOD # 2

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA
8: 7:43	22-AP	154.71	0.00	110.49
8:12:43	22-AP	159.71	5.00	114.34
8:17:43	22-AP	164.71	10.00	116.14
8:22:43	22-AP	169.71	15.00	117.24
8:27:43	22-AP	174.71	20.00	117.24
8:32:43	22-AP	179.71	25.00	117.24
8:37:43	22-AP	184.71	30.00	117.24
8:42:43	22-AP	189.71	35.00	117.24
8:47:43	22-AP	194.71	40.00	117.24
8:52:43	22-AP	199.71	45.00	117.24
8:57:43	22-AP	204.71	50.00	117.24
9: 2:43	22-AP	209.71	55.00	117.24
9: 7:43	22-AP	214.71	60.00	117.24
9:12:43	22-AP	219.71	65.00	117.24
9:17:43	22-AP	224.71	70.00	117.24
9:22:43	22-AP	229.71	75.00	117.24
9:27:43	22-AP	234.71	80.00	117.24
9:32:43	22-AP	239.71	85.00	117.24
9:37:43	22-AP	244.71	90.00	117.24
9:42:43	22-AP	249.71	95.00	117.24
9:47:43	22-AP	254.71	100.00	117.24
9:52:43	22-AP	259.71	105.00	117.24
9:57:43	22-AP	264.71	110.00	117.24
0: 1:41	22-AP	268.69	113.98	121.43

TEST PHASE : SHUTIN PERIOD # 2  
 FINAL FLOW PRESSURE [PSIA] = 121.43  
 PRODUCING TIME [MIN] = 143.47

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
HH:MM:SS	DD-MM	*****	*****	*****	*****	*****
10: 1:41	22-AP	268.69	0.00	121.43	0.00	
10: 2:41	22-AP	269.69	1.00	123.04	1.61	2.160
10: 3:41	22-AP	270.69	2.00	124.64	3.21	1.862
10: 4:41	22-AP	271.69	3.00	131.66	10.23	1.689
10: 5:41	22-AP	272.69	4.00	138.78	17.35	1.567
10: 6:41	22-AP	273.69	5.00	144.83	23.40	1.473
10: 7:41	22-AP	274.69	6.00	150.14	28.71	1.396
10: 8:41	22-AP	275.69	7.00	154.65	33.22	1.332
10: 9:41	22-AP	276.69	8.00	159.42	37.99	1.277
10:10:41	22-AP	277.69	9.00	166.20	44.77	1.229
10:11:41	22-AP	278.69	10.00	173.01	51.58	1.186
10:13:41	22-AP	280.69	12.00	187.03	65.60	1.112
10:15:41	22-AP	282.69	14.00	199.15	77.72	1.051
10:17:41	22-AP	284.69	16.00	210.97	89.54	0.999
10:19:41	22-AP	286.69	18.00	222.62	101.19	0.953
10:21:41	22-AP	288.69	20.00	234.60	113.17	0.912
10:23:41	22-AP	290.69	22.00	245.13	123.70	0.876
10:25:41	22-AP	292.69	24.00	257.07	135.64	0.844
10:27:41	22-AP	294.69	26.00	267.82	146.39	0.814
10:29:41	22-AP	296.69	28.00	278.93	157.50	0.787
10:31:41	22-AP	298.69	30.00	289.89	168.46	0.762
10:36:41	22-AP	303.69	35.00	316.29	194.86	0.707
10:41:41	22-AP	308.69	40.00	343.18	221.75	0.662
10:46:41	22-AP	313.69	45.00	366.92	245.49	0.622
10:51:41	22-AP	318.69	50.00	390.35	268.92	0.588
10:56:41	22-AP	323.69	55.00	414.33	292.90	0.557
11: 1:41	22-AP	328.69	60.00	437.16	315.73	0.530
11: 6:41	22-AP	333.69	65.00	458.90	337.47	0.506
11:11:41	22-AP	338.69	70.00	481.01	359.58	0.484
11:16:41	22-AP	343.69	75.00	501.89	380.46	0.464
11:21:41	22-AP	348.69	80.00	522.73	401.30	0.446
11:26:41	22-AP	353.69	85.00	541.13	419.70	0.429
11:31:41	22-AP	358.69	90.00	555.12	433.69	0.414
11:36:41	22-AP	363.69	95.00	574.46	453.03	0.400
11:41:41	22-AP	368.69	100.00	593.24	471.81	0.386
11:46:41	22-AP	373.69	105.00	607.46	486.03	0.374
11:51:41	22-AP	378.69	110.00	608.32	486.89	0.363
11:56:41	22-AP	383.69	115.00	612.44	491.01	0.352
12: 1:41	22-AP	388.69	120.00	624.08	502.65	0.342
12: 6:41	22-AP	393.69	125.00	640.38	518.95	0.332
12:11:41	22-AP	398.69	130.00	657.29	535.86	0.323
12:16:41	22-AP	403.69	135.00	675.21	553.78	0.314
12:21:41	22-AP	408.69	140.00	691.85	570.42	0.306
12:26:41	22-AP	413.69	145.00	707.13	585.70	0.299
12:31:41	22-AP	418.69	150.00	722.62	601.19	0.291
12:36:41	22-AP	423.69	155.00	738.06	616.63	0.285
12:41:41	22-AP	428.69	160.00	753.97	632.54	0.278
12:46:41	22-AP	433.69	165.00	770.23	648.80	0.272

TEST PHASE : SHUTIN PERIOD # 2

FINAL FLOW PRESSURE [PSIA] = 121.43

PRODUCING TIME [MIN] = 143.47

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
*****	*****	*****	*****	*****	*****	*****
12:51:41	22-AP	438.69	170.00	785.82	664.39	0.266
12:56:41	22-AP	443.69	175.00	798.71	677.28	0.260
13: 1:41	22-AP	448.69	180.00	809.60	688.17	0.255
13: 6:41	22-AP	453.69	185.00	823.98	702.55	0.249
13:11:41	22-AP	458.69	190.00	837.33	715.90	0.244
13:16:41	22-AP	463.69	195.00	851.09	729.66	0.239
13:21:41	22-AP	468.69	200.00	865.28	743.85	0.235
13:26:41	22-AP	473.69	205.00	878.37	756.94	0.230
13:31:41	22-AP	478.69	210.00	889.70	768.27	0.226
13:36:41	22-AP	483.69	215.00	903.06	781.63	0.222
13:41:41	22-AP	488.69	220.00	916.16	794.73	0.218
13:46:41	22-AP	493.69	225.00	928.18	806.75	0.214
13:51:41	22-AP	498.69	230.00	940.06	818.63	0.211
13:56:41	22-AP	503.69	235.00	952.30	830.87	0.207
14: 1:41	22-AP	508.69	240.00	963.20	841.77	0.204
14: 4:42	22-AP	511.70	243.01	970.98	849.55	0.202

CORRECTED COPY

**JOHNSTON-MACCO**

**Schlumberger**

# technical report

JUN 5 1981

DIVISION OF  
OIL, GAS & MINING

F.R. #32330 D

COMPANY NATURAL GAS CORP. OF WELL NGC FEDERAL #1-5 TEST NO. 2 COUNTY UINTAH STATE UTAH  
CALIFORNIA

\*\*\*\*\*  
 \* TEST TICKET DATA PRINTOUT \*  
 \*\*\*\*\*

## WELL IDENTIFICATION

1. WELL	:	NGC FEDERAL #1
2. COMPANY	:	NATURAL GAS CORPORATION OF CALIF.
3.	:	85 S . 200 EAST
4.	:	VERNAL , UTAH 84078
5.	:	
6.	:	
7.	:	
8. FIELD	:	WILDCAT
9. COUNTY	:	UINTAH
10. STATE/PROV.	:	UTAH
11. LOCATION	:	SEC5 T105 R23E
12. TECHNICIAN	:	RICHARDS (VERNAL)
13. TEST APPROVED BY	:	MR. CURTIS WINN
14. TEST DATE	:	4-22-81
15. DEPTH REFERENCE	:	KELLY BUSHING
16. DEPTH REFERENCE ELEVATION	:	S.L. 5280. FT

## HOLE INFORMATION

1. THE HOLE IS STRAIGHT.	
2. TOTAL DEPTH	: 6986. FT
3. OPEN HOLE DIAMETER	: 7.88 IN

## MUD INFORMATION

1. MUD TYPE	:	SALT MUD
2. MUD WEIGHT	:	9.5 LB/GAL
3. MUD VISCOSITY	:	35. MARSH FUNNEL SEC
4. CORRECTED WATER LOSS	:	12.0 CC/30 MIN
5. MUD RESISTIVITY	:	0.12 OHM-M
6. MUD RES. MEAS. TEMP.	:	70.0 DEG F
7. MUD FILTRATE RESISTIVITY	:	0.10 OHM-M
8. MUD FILT. RES. MEAS. TEMP.	:	70.0 DEG F
9. MUD CHLORIDES CONTENT	:	57000.0 PPM BY WEIGHT

\*\*\*\*\*  
 \* TEST TICKET DATA PRINTOUT \*  
 \*\*\*\*\*

TEST INFORMATION

1. FIELD REPORT NUMBER : 32330D  
 2. TEST TYPE : MFE OPEN HOLE  
 3. TEST NUMBER : 2  
 4. TELEFLOW IN USE ? : NO  
 5. SSSR OR J-300 IN USE ? : NO  
 6. SPRD IN USE ? : NO  
 7. PTSDL IN USE ? : NO

TEST STRING INFORMATION

#	COMPONENT NAME	EFFECTIVE		FLOW PATH LENGTH (FT)	J/M CODE
		I.D. (IN)	O.D. (IN)		
1	DRILL PIPE	3.80	4.50	6339.	0
2	DRILL COLLARS	2.25	6.25	582.	0
3	TEST TOOL STRING	0.93	5.00	65.	0

TEST STRING PLACEMENT

1. TEST TYPE CODE 1 - ON BOTTOM  
 2. DEPTH AT BOTTOM OF DEEPEST PACKER SUB : 6965. FT  
 3. DEPTH AT BOTTOM OF DEEPEST UPPER PACKER RUBBER : 6964. FT

TEST ZONE DESCRIPTION

FORMATION NAME	TOP (FT)	BOTTOM (FT)	PRODUCTION ZONE	
			THICKNESS (FT)	POROSITY
1 MESA VERDE			22.	0.10

\*\*\*\*\*  
 \* TEST TICKET DATA PRINTOUT \*  
 \*\*\*\*\*

PRODUCTION ZONE

FORMATION NAME      TOP (FT)      BOTTOM (FT)      THICKNESS (FT)      POROSITY

TEST CONDITIONS

1. BOTTOMHOLE CHOKE(S) EFF. INTERNAL DIA. :      0.93 IN

TEST TOOL SAMPLE CHAMBER RECOVERY DATA

SAMPLE PRESSURE :      92. PSIG  
 OIL GRAVITY :      DEG. API @      DEG F  
 GAS/OIL RATIO :      FT3/BBL

SAMPLE CHAMBER CONTENTS

FLUID	VOLUME	RESISTIVITY		CHLORIDES
GAS	0.1 FT3			
OIL	0.0 CC			
WATER	1500.0 CC	0.04 OHM-M @	62.0 DEG F	75000. PPM
MUD	0.0 CC	OHM-M @	DEG F	
TOTAL LIQUID	1500.0 CC			

RECOVERY INFORMATION

DESCRIPTION	FEET	%      %		API		RESISTIVITY		CHL
		OIL	H2O	DEG.	DEG.F	OHM-M	DEG.F	PPM
1 MUD CUT WATER	31	0	100	0		.04	62	68000.

\*\*\*\*\*  
 \* TEST TICKET DATA PRINTOUT \*  
 \*\*\*\*\*

SURFACE INFORMATION

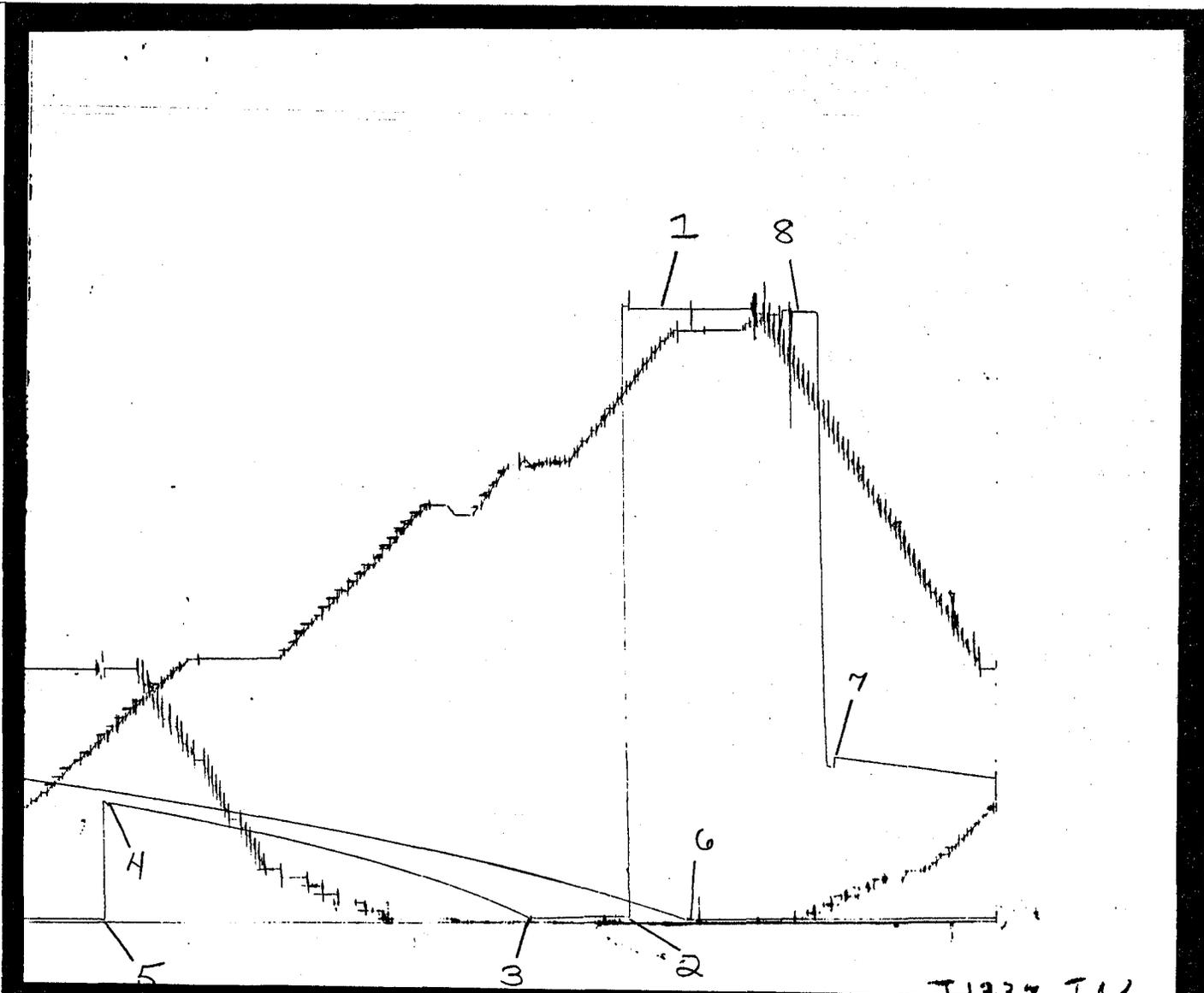
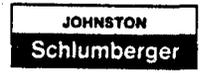
DESCRIPTION	TIME	PRESSURE	CHOKE SIZE
1 SET PACKER 4-23-81	0531		
2 OPENED TOOL	0533	-	1/4
3 BLOW 1" IN WATER		-	"
4	0544	1.25	"
5 CHANGED CHOKE	0547	1	19/32
6 CLOSED FOR INITIAL SHUT-IN	0604	1	"
7 FINISHED SHUT-IN	0806	-	"
8 RE-OPENED TOOL	0807	1	"
9	0812	1.25	"
10	0815	1.5	"
11	0823	1.25	"
12	0826	1	"
13	0845	1	"
14	0857	.75	"
15 BLOW 6" IN WATER	0915	-	"
16 BLOW 5" IN WATER	0926	-	"
17 BLOW 3" IN WATER	0957	-	"
18 CLOSED FOR FINAL SHUT-IN	1004	-	"
19 FINISHED SHUT-IN	1403		
20 PULLED PACKER LOOSE	1405		

FIELD REPORT NO.: 32330 D

CAPACITY: 4700#

INSTRUMENT NO.: J-1237

NUMBER OF REPORTS: 9



T 1237 T 11

# BOTTOMHOLE PRESSURE LOG

FIELD REPORT NO. 323300

COMPANY : NATURAL GAS OF CALIFORNIA

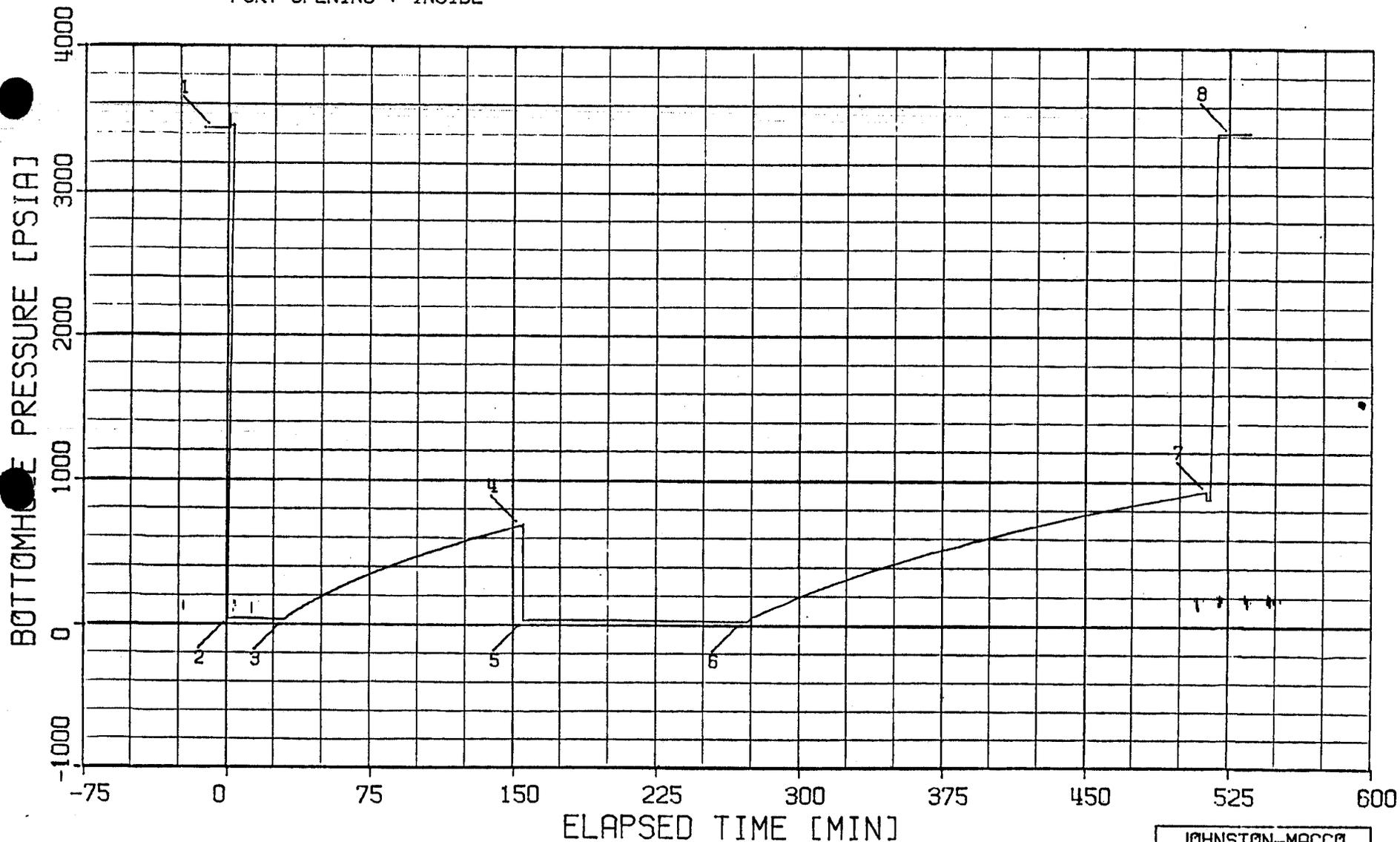
INSTRUMENT NO. J-1237

WELL : NGC FEDERAL #1-15

DEPTH : 6934 FT

CAPACITY : 4700 PSI

PORT OPENING : INSIDE



JOHNSTON-MACCO  
SCHLUMBERGER

\*\*\*\*\*  
 \* WELL TEST DATA PRINTOUT \*  
 \*\*\*\*\*

FIELD REPORT # : 32330D

COMPANY : NATURAL GAS OF CALIFORNIA  
 WELL : NGC FEDERAL #1-15

INSTRUMENT # : J-1237  
 CAPACITY [PSI] : 4700.  
 DEPTH [FT] : 6934.0  
 PORT OPENING : INSIDE  
 TEMPERATURE [DEG F] : 161.0

LABEL POINT INFORMATION  
 \*\*\*\*\*

#	TIME OF DAY HH:MM:SS	DATE DD-MM	EXPLANATION	ELAPSED TIME, MIN	BOT HOLE PRESSURE PSIA
1	5:23:55	22-AP	HYDROSTATIC MUD	-9.08	3445.33
2	5:33: 0	22-AP	START FLOW	0.00	39.04
3	6: 2:23	22-AP	END FLOW & START SHUT-IN	29.38	31.36
4	8: 6:19	22-AP	END SHUT-IN	153.32	684.45
5	8: 7:51	22-AP	START FLOW	154.85	24.38
6	10: 2:34	22-AP	END FLOW & START SHUT-IN	269.57	22.28
7	14: 5:43	22-AP	END SHUT-IN	512.72	940.25
8	14:17:19	22-AP	HYDROSTATIC MUD	524.32	3429.27

SUMMARY OF FLOW PERIODS  
 \*\*\*\*\*

PERIOD	START ELAPSED TIME, MIN	END ELAPSED TIME, MIN	DURATION MIN	START PRESSURE PSIA	END PRESSURE PSIA
1	0.00	29.38	29.38	39.04	31.36
2	154.85	269.57	114.72	24.38	22.28

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	29.38	153.32	123.94	31.36	684.45	31.36	29.38
2	269.57	512.72	243.15	22.28	940.25	22.28	144.10

TEST PHASE : FLOW PERIOD # 1

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA
HH:MM:SS	DD-MM	*****	*****	*****
5:33:0	22-AP	0.00	0.00	39.04
5:38:0	22-AP	5.00	5.00	40.44
5:43:0	22-AP	10.00	10.00	40.44
5:48:0	22-AP	15.00	15.00	39.69
5:53:0	22-AP	20.00	20.00	34.97
5:58:0	22-AP	25.00	25.00	32.87
6: 2:23	22-AP	29.38	29.38	31.36

TEST PHASE : SHUTIN PERIOD # 1

FINAL FLOW PRESSURE [PSIA] = 31.36  
 PRODUCING TIME [MIN] = 29.38

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
HH:MM:SS	DD-MM	*****	*****	*****	*****	*****
6: 2:23	22-AP	29.38	0.00	31.36	0.00	
6: 3:23	22-AP	30.38	1.00	41.69	10.33	1.483
6: 4:23	22-AP	31.38	2.00	52.02	20.66	1.196
6: 5:23	22-AP	32.38	3.00	61.95	30.59	1.033
6: 6:23	22-AP	33.38	4.00	71.86	40.50	0.921
6: 7:23	22-AP	34.38	5.00	80.27	48.91	0.837
6: 8:23	22-AP	35.38	6.00	88.44	57.08	0.771
6: 9:23	22-AP	36.38	7.00	96.65	65.29	0.716
6:10:23	22-AP	37.38	8.00	104.87	73.51	0.670
6:11:23	22-AP	38.38	9.00	113.09	81.73	0.630
6:12:23	22-AP	39.38	10.00	121.31	89.95	0.595
6:14:23	22-AP	41.38	12.00	137.75	106.39	0.538
6:16:23	22-AP	43.38	14.00	152.76	121.40	0.491
6:18:23	22-AP	45.38	16.00	167.12	135.76	0.453
6:20:23	22-AP	47.38	18.00	181.53	150.17	0.420
6:22:23	22-AP	49.38	20.00	195.93	164.57	0.393
6:24:23	22-AP	51.38	22.00	209.91	178.55	0.368
6:26:23	22-AP	53.38	24.00	223.30	191.94	0.347
6:28:23	22-AP	55.38	26.00	236.65	205.29	0.328
6:30:23	22-AP	57.38	28.00	249.81	218.45	0.312
6:32:23	22-AP	59.38	30.00	262.61	231.25	0.297
6:37:23	22-AP	64.38	35.00	292.42	261.06	0.265
6:42:23	22-AP	69.38	40.00	321.85	290.49	0.239
6:47:23	22-AP	74.38	45.00	349.14	317.78	0.218
6:52:23	22-AP	79.38	50.00	375.19	343.83	0.201
6:57:23	22-AP	84.38	55.00	400.62	369.26	0.186
7: 2:23	22-AP	89.38	60.00	424.88	393.52	0.173
7: 7:23	22-AP	94.38	65.00	448.70	417.34	0.162
7:12:23	22-AP	99.38	70.00	471.54	440.18	0.152
7:17:23	22-AP	104.38	75.00	493.63	462.27	0.144
7:22:23	22-AP	109.38	80.00	514.96	483.60	0.136

TEST PHASE : SHUTIN PERIOD # 1  
 FINAL FLOW PRESSURE [PSIA] = 31.36  
 PRODUCING TIME [MIN] = 29.38

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
7:27:23	22-AP	114.38	85.00	535.74	504.38	0.129
7:32:23	22-AP	119.38	90.00	556.49	525.13	0.123
7:37:23	22-AP	124.38	95.00	577.19	545.83	0.117
7:42:23	22-AP	129.38	100.00	597.01	565.65	0.112
7:47:23	22-AP	134.38	105.00	615.81	584.45	0.107
7:52:23	22-AP	139.38	110.00	634.13	602.77	0.103
7:57:23	22-AP	144.38	115.00	652.40	621.04	0.099
8: 2:23	22-AP	149.38	120.00	670.75	639.39	0.095
8: 6:19	22-AP	153.32	123.94	684.45	653.09	0.092

TEST PHASE : FLOW PERIOD # 2

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA
8: 7:51	22-AP	154.85	0.00	24.38
8:12:51	22-AP	159.85	5.00	31.13
8:17:51	22-AP	164.85	10.00	31.13
8:22:51	22-AP	169.85	15.00	31.13
8:27:51	22-AP	174.85	20.00	31.13
8:32:51	22-AP	179.85	25.00	31.59
8:37:51	22-AP	184.85	30.00	31.59
8:42:51	22-AP	189.85	35.00	31.59
8:47:51	22-AP	194.85	40.00	31.59
8:52:51	22-AP	199.85	45.00	31.59
8:57:51	22-AP	204.85	50.00	30.75
9: 2:51	22-AP	209.85	55.00	28.06
9: 7:51	22-AP	214.85	60.00	27.61
9:12:51	22-AP	219.85	65.00	27.33
9:17:51	22-AP	224.85	70.00	26.40
9:22:51	22-AP	229.85	75.00	25.54
9:27:51	22-AP	234.85	80.00	25.54
9:32:51	22-AP	239.85	85.00	25.54
9:37:51	22-AP	244.85	90.00	25.54
9:42:51	22-AP	249.85	95.00	24.87
9:47:51	22-AP	254.85	100.00	23.91
9:52:51	22-AP	259.85	105.00	22.96
9:57:51	22-AP	264.85	110.00	22.28
10: 2:34	22-AP	269.57	114.72	22.28

TEST PHASE : SHUTIN PERIOD # 2

FINAL FLOW PRESSURE [PSIA] = 22.28

PRODUCING TIME [MIN] = 144.10

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
HH:MM:SS	DD-MM	*****	*****	*****	*****	*****
10: 2:34	22-AP	269.57	0.00	22.28	0.00	
10: 3:34	22-AP	270.57	1.00	22.28	0.00	2.162
10: 4:34	22-AP	271.57	2.00	22.28	0.00	1.864
10: 5:34	22-AP	272.57	3.00	28.38	6.10	1.690
10: 6:34	22-AP	273.57	4.00	39.88	17.60	1.568
10: 7:34	22-AP	274.57	5.00	51.39	29.11	1.475
10: 8:34	22-AP	275.57	6.00	58.23	35.95	1.398
10: 9:34	22-AP	276.57	7.00	64.56	42.28	1.334
10:10:34	22-AP	277.57	8.00	70.89	48.61	1.279
10:11:34	22-AP	278.57	9.00	77.21	54.93	1.231
10:12:34	22-AP	279.57	10.00	83.54	61.26	1.188
10:14:34	22-AP	281.57	12.00	95.82	73.54	1.114
10:16:34	22-AP	283.57	14.00	107.75	85.47	1.053
10:18:34	22-AP	285.57	16.00	119.69	97.41	1.000
10:20:34	22-AP	287.57	18.00	129.83	107.55	0.955
10:22:34	22-AP	289.57	20.00	139.56	117.28	0.914
10:24:34	22-AP	291.57	22.00	149.30	127.02	0.878
10:26:34	22-AP	293.57	24.00	160.22	137.94	0.845
10:28:34	22-AP	295.57	26.00	173.94	151.66	0.816
10:30:34	22-AP	297.57	28.00	187.65	165.37	0.789
10:32:34	22-AP	299.57	30.00	198.77	176.49	0.764
10:37:34	22-AP	304.57	35.00	225.75	203.47	0.709
10:42:34	22-AP	309.57	40.00	251.19	228.91	0.663
10:47:34	22-AP	314.57	45.00	276.30	254.02	0.623
10:52:34	22-AP	319.57	50.00	301.10	278.82	0.589
10:57:34	22-AP	324.57	55.00	324.17	301.89	0.559
11: 2:34	22-AP	329.57	60.00	347.24	324.96	0.532
11: 7:34	22-AP	334.57	65.00	369.62	347.34	0.507
11:12:34	22-AP	339.57	70.00	391.99	369.71	0.486
11:17:34	22-AP	344.57	75.00	412.89	390.61	0.466
11:22:34	22-AP	349.57	80.00	433.60	411.32	0.447
11:27:34	22-AP	354.57	85.00	453.90	431.62	0.431
11:32:34	22-AP	359.57	90.00	474.15	451.87	0.415
11:37:34	22-AP	364.57	95.00	493.93	471.65	0.401
11:42:34	22-AP	369.57	100.00	513.64	491.36	0.388
11:47:34	22-AP	374.57	105.00	530.06	507.78	0.375
11:52:34	22-AP	379.57	110.00	546.32	524.04	0.364
11:57:34	22-AP	384.57	115.00	565.18	542.90	0.353
12: 2:34	22-AP	389.57	120.00	585.28	563.00	0.343
12: 7:34	22-AP	394.57	125.00	602.88	580.60	0.333
12:12:34	22-AP	399.57	130.00	620.03	597.75	0.324
12:17:34	22-AP	404.57	135.00	637.90	615.62	0.315
12:22:34	22-AP	409.57	140.00	655.98	633.70	0.307
12:27:34	22-AP	414.57	145.00	671.47	649.19	0.300
12:32:34	22-AP	419.57	150.00	686.80	664.52	0.292
12:37:34	22-AP	424.57	155.00	702.84	680.56	0.285
12:42:34	22-AP	429.57	160.00	719.09	696.81	0.279
12:47:34	22-AP	434.57	165.00	734.97	712.69	0.273

TEST PHASE : SHUTIN PERIOD # 2

FINAL FLOW PRESSURE [PSIA] = 22.28

PRODUCING TIME [MIN] = 144.10

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
HH:MM:SS	DD-MM	*****	*****	*****	*****	*****
12:52:34	22-AP	439.57	170.00	750.80	728.52	0.267
12:57:34	22-AP	444.57	175.00	765.78	743.50	0.261
13: 2:34	22-AP	449.57	180.00	780.58	758.30	0.255
13: 7:34	22-AP	454.57	185.00	795.18	772.90	0.250
13:12:34	22-AP	459.57	190.00	809.19	786.91	0.245
13:17:34	22-AP	464.57	195.00	822.07	799.79	0.240
13:22:34	22-AP	469.57	200.00	834.32	812.04	0.236
13:27:34	22-AP	474.57	205.00	846.90	824.62	0.231
13:32:34	22-AP	479.57	210.00	859.90	837.62	0.227
13:37:34	22-AP	484.57	215.00	872.73	850.45	0.223
13:42:34	22-AP	489.57	220.00	885.47	863.19	0.219
13:47:34	22-AP	494.57	225.00	897.74	875.46	0.215
13:52:34	22-AP	499.57	230.00	909.98	887.70	0.211
13:57:34	22-AP	504.57	235.00	921.59	899.31	0.208
14: 2:34	22-AP	509.57	240.00	933.18	910.90	0.204
14: 5:43	22-AP	512.72	243.15	940.25	917.97	0.202



STATE OF UTAH  
NATURAL RESOURCES & ENERGY  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

February 2, 1982

Natural Gas Corporation of California  
85 South 200 East  
Vernal, Utah 84078

Re: See attached

Gentlemen:

Our records indicate that you have not filed the monthly drilling reports for the months indicated above on the subject wells.

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1B, (U. S. Geological Survey Form 9-331) "Sundry Notices and Reports on Wells", or on company forms containing substantially the same information. We are enclosing forms for your convenience.

Your prompt attention to the above will be greatly appreciated.

Very truly yours.

DIVISION OF OIL, GAS AND MINING

Cari Furse  
Clerk Typist

Well No. Sweetwater Canyon Unit #31-15  
Sec. 15, T. 14S, R. 24E  
Uintah County, Utah  
(July 1981- December 1981)

Well No. Sweetwater Canyon Unit 42-23  
Sec. 23, T. 14S, R. 24E  
Uintah County, Utah  
(September 1981- December 1981)

Well No. Federal #1-5  
Sec. 5, T. 10S, R. 23E  
Uintah County, Utah  
(April 1981- December 1981)

Well No. Federal #21-11  
Sec. 11, T. 16S, R. 24E  
Grand County, Utah  
(October 1981- December 1981)



STATE OF UTAH  
NATURAL RESOURCES & ENERGY  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

April 5, 1982

Natural Gas Corp. Of Cal.  
85 South 200 East  
Vernal, Utah 84078

Re: See attached

Gentlemen:

Our records indicate that you have not filed the monthly drilling reports for the months indicated above on the subject wells.

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1B, (U. S. Geological Survey Form 9-331) "Sundry Notices and Reports on Wells", or on company forms containing substantially the same information. We are enclosing forms for your convenience.

\*\* If we do not hear from your office within fourteen days, this file will be turned over to the attorney at the Division of Oil, Gas and Mining for legal action.

Thank you for your cooperation relative to the above.

Sincerely,

DIVISION OF OIL, GAS AND MINING

A handwritten signature in cursive script that reads "Cari Furse".

Cari Furse  
Clerk Typist

Well No. Sweetwater Canyon Unit #31-15  
Sec. 15, T. 14S, R. 24E.  
Uintah County, Utah  
(January- February 1982)

Well No. Sweetwater Canyon Unit #42-23  
Sec. 23, T. 14S, R. 24E.  
Uintah County, Utah  
(January- February 1982)

Well No. Federal #1-5  
Sec. 5, T. 10S, R. 23E.  
Uintah County, Utah  
(January- February 1982)

Well No. Federal #21-11  
Sec. 11, T. 16S, R. 24E.  
Grand County, Utah  
(January- February 1982)

**NATURAL GAS CORPORATION  
OF CALIFORNIA**

85 South 200 East  
Vernal, Utah 84078  
April 8, 1982

Ms. Carie Furse  
Division of Oil, Gas & Mining  
4241 State Office Building  
Salt Lake City, UT 84114

Mr. Bob Gilmore  
DeGolyer & MacNaughton  
No. 1 Energy Square  
Dallas, TX 75206

Mr. E. W. Guynn  
Minerals Management Service  
2000 Administration Bldg.  
1745 West 1700 South  
Salt Lake City, UT 84104

Mr. Richard Smith  
Enserch Exploration, Inc.  
Metrobank Bldg., Suite 1322  
Denver, CO 80202

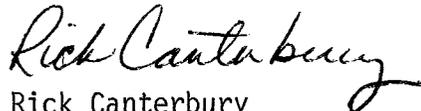
Mr. Clifford Cone  
P.O. Box 6010  
Lubbock, TX 79413

Re: NGC #1-5 Federal  
SE NW Section 5, T.10S., R.23E.  
Uintah County, Utah

Gentlemen:

Attached are copies of Form OGC-1b, Sundry Notices and Reports on Wells, Notification of Well Status, for the above captioned well.

Sincerely,



Rick Canterbury  
Associate Engineer

/kh

Attachment

cc: Operations  
C. T. Clark  
E. R. Henry

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES MINERALS MANAGEMENT  
DIVISION OF OIL, GAS, AND MINING OIL & GAS OPERATIONS SERVICE  
RECEIVED

1982

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

1.  OIL WELL  GAS WELL  OTHER SALT LAKE CITY, UTAH

2. NAME OF OPERATOR  
Natural Gas Corporation of California

3. ADDRESS OF OPERATOR  
85 South 200 East, Vernal, UT 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)  
At surface  
1495' FWL, 1341" FNL, SE NW Section 5, T.10S., R.23E.

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5280' Ungr. GR.

6. LEASE DESIGNATION AND SERIAL NO.  
U-33433

7. INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Federal

9. WELL NO.  
1-5

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Section 5, T10S. R23E

12. COUNTY OR PARISH  
Uintah

13. STATE  
Utah

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

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

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

This well has been drilled but not completed and therefore status is reported as Operations Suspended.

NATURAL GAS CORPORATION  
CIRCULATE UNDER FILE NO. 1

RJE \_\_\_\_\_  
WAR \_\_\_\_\_  
KMB \_\_\_\_\_

18. I hereby certify that the foregoing is true and correct  
SIGNED Rick Canterbury TITLE Associate Engineer DATE April 7, 1982  
(This space for Federal or State office use)

APPROVED BY E. W. Guynn TITLE Director of Gas Supervision DATE APR 22 1982  
CONDITIONS OF APPROVAL, IF ANY:

cc: USGS; Div. OG&M; Operations; E.R. Henry; C.T.Clark; DeGolyer; Enserch-Denver; Clifford Cone  
opa.

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

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

<p>1. <input type="checkbox"/> OIL WELL    <input type="checkbox"/> GAS WELL    <input checked="" type="checkbox"/> OTHER</p> <p>2. NAME OF OPERATOR Natural Gas Corporation of California</p> <p>3. ADDRESS OF OPERATOR 85 South 200 East, Vernal, UT 84078</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1495' FWL, 1341" FNL, SE NW Section 5, T.10S., R.23E.</p> <p>14. PERMIT NO.</p>		<p>5. LEASE DESIGNATION AND SERIAL NO. U-33433</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME Federal</p> <p>9. WELL NO. 1-5</p> <p>10. FIELD AND POOL, OR WILDCAT</p> <p>11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA Section 5, T10S. R23E</p> <p>12. COUNTY OR PARISH    13. STATE Utah                            Utah</p>
<p>15. ELEVATIONS (Show whether OF, RT, GR, etc.) 5280' Ungr. GR.</p>		

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

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

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

This well has been drilled but not completed and therefore status is reported as Operations Suspended.

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

SIGNED Rick Canterbury                            TITLE Associate Engineer                            DATE April 7, 1982  
Rick Canterbury

(This space for Federal or State office use)

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

cc: USGS; Div. OG&M; Operations; E.R. Henry; C.T.Clark; DeGolyer; Enserch-Denver; Clifford Cone

\*See Instructions on Reverse Side



STATE OF UTAH  
NATURAL RESOURCES & ENERGY  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

March 15, 1983

Natural Gas Corporation of California  
85 South 200 East  
Vernal, Utah 84078

Re: Well No. Federal # 1-5  
Sec. 5, T. 10S, R. 23E.  
Uintah County, Utah

Well No. Dry Burn Un. St. #11-36  
Sec. 36, T. 13S, R. 25E.  
Uintah County, Utah

Well No. Sweetwater Cny Un # 42-23  
Sec. 23, T. 14S, R. 24E.  
Uintah County, Utah

Gentlemen:

The above referred to wells have been under an operation suspended status for six months or longer. Please inform this office of the current status of these well locations or what operations are currently being performed on this well. Enclosed please find Form OGC-1B (Sundry Notices and Reports on Wells), that you may use to inform our office of the matter requested above.

We will be happy to acknowledge receipt of your response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self-addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a firm second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

DIVISION OF OIL, GAS AND MINING

Cari Furse  
Well Records Specialist

CF/cf  
Enclosure

Board/Charles R. Henderson, Chairman • John L. Bell • E. Steele McIntyre • Edward T. Beck  
Robert R. Norman • Margaret R. Bird • Herm Olsen

an equal opportunity employer • please recycle paper

3

Natural Gas  
Corporation of  
California

NGC NGC

May 18, 1983

Mr. E. W. Guynn  
Bureau of Land Management  
Oil and Gas Operations  
1745 West 1700 South, Suite 2000  
Salt Lake City, UT 84104

Division of Oil, Gas & Mining  
4241 State Office Building  
Salt Lake City, UT 84114

Mr. Bob Gilmore  
DeGolyer & MacNaughton  
No. 1 Energy Square  
Dallas, TX 75206

Re: NGC #1-5 Federal  
Section 5, T.10S., R.23E.  
Uintah County, Utah

Mr. Richard Smith  
Enserch Exploration, Inc.  
475 17th Street, Suite 1322  
Denver, CO 80202

Mr. Clifford Cone  
P.O. Box 6010  
Lubbock, TX 79413

Gentlemen:

Attached are copies of Form 9-331, Sundry Notices and Reports on Wells, Report of Well Status, for the subject well.

Sincerely,

*Rick Canterbury*

Rick Canterbury  
Associate Engineer

/kh

Attachment

cc: Operations  
E. R. Henry  
C. T. Clark

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

MINERAL SERVICE  
OIL & GAS OPERATIONS  
RECEIVED

5. LEASE U-33433

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
NATURAL GAS CORPORATION  
UTAH

8. FARM OR LEASE NAME  
Federal

9. WELL NO. 1-5 JUN 09 1983

10. FIELD OR WILDCAT NAME  
VERNAL OFFICE

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 5, T.10S., R.23E.

12. COUNTY OR PARISH Uintah 13. STATE Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
5280' GR

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well  gas well  other

2. NAME OF OPERATOR  
Natural Gas Corporation of California

3. ADDRESS OF OPERATOR  
85 South 200 East, Vernal, UT 84078

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1495' FWL, 1341' FNL, SE 1/4 NW 1/4  
AT TOP PROD. INTERVAL: Section 5, T.10S., R.23E.  
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other) Report Status	<input type="checkbox"/>		<input type="checkbox"/>

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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

This well has been drilled but not completed. Operations on this well are suspended.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED Rick Canterbury TITLE Associate Engineer DATE May 17, 1983  
Rick Canterbury

(This space for Federal or State office use)  
APPROVED BY E. W. Guynn TITLE District Oil & Gas Supervisor DATE JUN 7 1983  
CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

cc: BLM-Oil and Gas Operations; Div. OG&M; Operations; CTCClark; ERHenry; C. Cone; DeGolyer; Enserch

opa.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well  gas well  other

2. NAME OF OPERATOR  
Natural Gas Corporation of California

3. ADDRESS OF OPERATOR  
85 South 200 East, Vernal, UT 84078

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1495' FWL, 1341' FNL, SE $\frac{1}{4}$  NW $\frac{1}{4}$   
AT TOP PROD. INTERVAL: Section 5, T.10S., R.23E.  
AT TOTAL DEPTH:

5. LEASE  
U-33433

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Federal

9. WELL NO.  
1-5

10. FIELD OR WILDCAT NAME

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 5, T.10S., R.23E.

12. COUNTY OR PARISH  
Uintah

13. STATE  
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
5280' GR

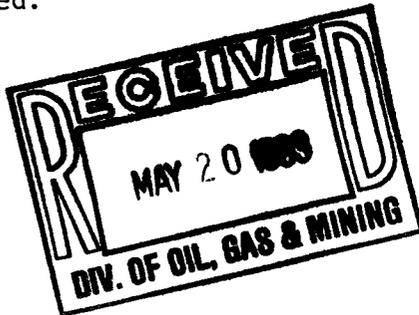
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other) Report Status			

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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

This well has been drilled but not completed. Operations on this well are suspended.



Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED Rich Canterbury TITLE Associate Engineer DATE May 17, 1983

(This space for Federal or State office use)

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

cc: BLM-Oil and Gas Operations; Div. OG&M; Operations; CTClark; ERHenry; C. Cone; DeGolyer; Enserch



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Dr. G. A. (Jim) Shirazi, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

December 22, 1983

Natural Gas Corporation of California  
85 South 200 East  
Vernal, Utah 84078

RE: Well No. Federal #1-5  
1341' FNL, 1495' FWL SE NW  
Sec. 5, T. 10S, R. 23E.  
Uintah County, Utah  
June - December 1983

Gentlemen:

Our records indicate that you have not filed the monthly drilling reports for the months indicated above on the subject well.

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1B, (U.S. Geological Survey Form 9-331) "Sundry Notices and Reports on Wells", or on company forms containing substantially the same information. We are enclosing forms for your convenience.

We will be happy to acknowledge receipt of response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

A handwritten signature in cursive script that reads "Claudia Jones".

Claudia Jones  
Well Records Specialist

CJ/cj  
Enclosure

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.6.

5. LEASE DESIGNATION AND SERIAL NO.

U-33433

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

1-5

10. FIELD AND POOL, OR WILDCAT

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

Section 5, T.10S., R.23E.

12. COUNTY OR PARISH  
Utah

13. STATE  
Utah

14. PERMIT NO. 43-047-30856  
DATE ISSUED 1/9/81

**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 Pending Completion

2. NAME OF OPERATOR  
Natural Gas Corporation of California

3. ADDRESS OF OPERATOR  
85 South 200 East, Vernal, UT 84078 Telephone 801-789-4573

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 1495' FWL, 1341' FNL, SE 1/4 NW 1/4 Sec. 5, T.10S., R.23E.

At top prod. interval reported below

At total depth

15. DATE SPUNDED 3/19/81  
16. DATE T.D. REACHED 5/10/81  
17. DATE COMPL. (Ready to prod.) SI Pending Completion  
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 5280' GL  
19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 9007'  
21. PLUG, BACK T.D., MD & TVD 8961'  
22. IF MULTIPLE COMPL., HOW MANY\*  
23. INTERVALS DRILLED BY → 0-TD  
ROTARY TOOLS  
CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
Not completed  
25. WAS DIRECTIONAL SURVEY MADE  
No

26. TYPE ELECTRIC AND OTHER LOGS RUN  
DLI Acoustilog, CNL Density  
27. WAS WELL COBED  
No

**CASING RECORD (Report all strings set in well)**

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48	183	17-1/2	200 sx Class "G"	None
9-5/8"	36	2530	12-1/4	700 sx 50/50 Poz	None
4-1/2"	11.6	9007	7-7/8	1850 sx 50/50 Poz	None

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
None			

33.\* **PRODUCTION**  
DATE FIRST PRODUCTION None  
PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) None  
WELL STATUS (Producing or shut-in) SI Pending Completion

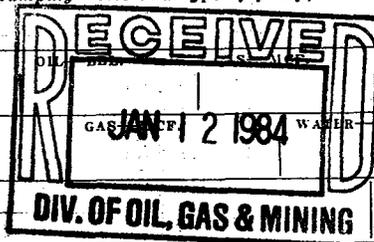
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	WATER—BBL.	GAS—OIL RATIO

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  
OIL—BBL. \_\_\_\_\_  
GAS—CF. \_\_\_\_\_  
WATER—BBL. \_\_\_\_\_  
OIL GRAVITY-API (CORR.) \_\_\_\_\_  
TEST WITNESSED BY \_\_\_\_\_

35. LIST OF ATTACHMENTS

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

SIGNED Wm Ryan TITLE \_\_\_\_\_ DATE 1/5/84  
W. A. Ryan



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





STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

November 7, 1984

Natural Gas Corporation of California  
85 South 200 East  
Vernal, Utah 84078

Gentlemen:

Re: Well No. Federal 1-5 - Sec. 5, T. 10S., R. 23E  
Uintah County, Utah - API #43-047-30856

The above referred to well has been under an operation suspended status for six months or longer. Please inform this office of the current status of this well location or what operations are currently being performed on this well. Enclosed is Form OGC-1b, "Sundry Notices and Reports on Wells" that you may use to inform our office regarding this matter.

Thank you for your prompt attention to the above matter.

Sincerely,

A handwritten signature in cursive script that reads "Claudia Jones". The signature is fluid and elegant, with a prominent loop at the end of the name.

Claudia Jones  
Well Records Specialist

clj  
Enclosure  
cc: Dianne R. Nielson  
Ronald J. Firth  
John R. Baza  
File  
00000012/10

*Natural Gas  
Corporation of  
California*

NGC NGC

November 15, 1984

Bureau of Land Management  
Branch of Fluid Minerals  
Vernal District Office  
170 South 500 East  
Vernal, UT 84078

Division of Oil, Gas & Mining  
4241 State Office Building  
Salt Lake City, UT 84114

Mr. John Baker  
DeGolyer & MacNaughton  
No. 1 Energy Square  
Dallas, TX 75206

Re: NGC #1-5 Federal  
Section 5, T.10S., R.23E.  
Uintah County, UT

Enserch Exploration, Inc.  
475 17th Street, Suite 1322  
Denver, CO 80202

Mr. Clifford Cone  
P.O. Box 6010  
Lubbock, TX 79413

**RECEIVED**  
NOV 20 1984

**DIVISION OF  
OIL, GAS & MINING**

Gentlemen:

Attached are copies of Form 3160-5, Sundry Notices and Reports on Wells, Report of Well Status, for the subject well.

Yours truly,

*William A. Ryan*

W. A. Ryan  
Petroleum Engineer

/kh

Attachment

cc: H. Myers  
Land Dept.  
L. Jorgensen  
S. Furtado

UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE  
 (Other instructions on reverse side)

Form approved.  
 Budget Bureau No. 1004-0135  
 Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-33433

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

1-5

10. FIELD AND POOL, OR WILDCAT

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

Sec. 5, T.10S., R.23E.

14. PERMIT NO.

43-047-30856

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

5280' GR

12. COUNTY OR PARISH

Uintah

13. STATE

Utah

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Well Status

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

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

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

Operator reports the status of the subject well as "shut-in" pending reevaluation of economic capability.

"Operations Suspended"

**RECEIVED**  
 NOV 20 1984

DIVISION OF  
 OIL, GAS & MINING

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

SIGNED

William A. Ryan

TITLE Petroleum Engineer

DATE Nov. 15, 1984

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-33433

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

1-5

10. FIELD AND POOL, OR WILDCAT

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

Section 5, T.10S., R.23E.

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

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
Natural Gas Corporation of California

3. ADDRESS OF OPERATOR  
85 South 200 East, Vernal, UT 84078

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

1495' FWL 1341' FNL SE NW  
Section 5, T.10S., R.23E.

14. PERMIT NO.  
43-047-30856

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5280' GR

12. COUNTY OR PARISH  
Utah

13. STATE  
Utah

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON\*

SHOOTING OR ACIDIZING

ABANDONMENT\*

REPAIR WELL

CHANGE PLANS

(Other) \_\_\_\_\_

(Other) Request Temporary Surface Pit X

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

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

Operator requests an unlined surface pit per NTL-2B, Sec. VI. The subject pit would be used as a blow down pit when the well is flow tested.

If you require additional information, please contact me at our Vernal office - telephone 789-4573.

RECEIVED  
NOV 23 1984

DIVISION OF  
OIL, GAS & MINING

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

SIGNED William A. Ryan  
William A. Ryan

TITLE Petroleum Engineer

DATE November 15, 1984

(This space for Federal or State office use)

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

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

DATE: 12/20/84

\*See Instructions on Reverse Side

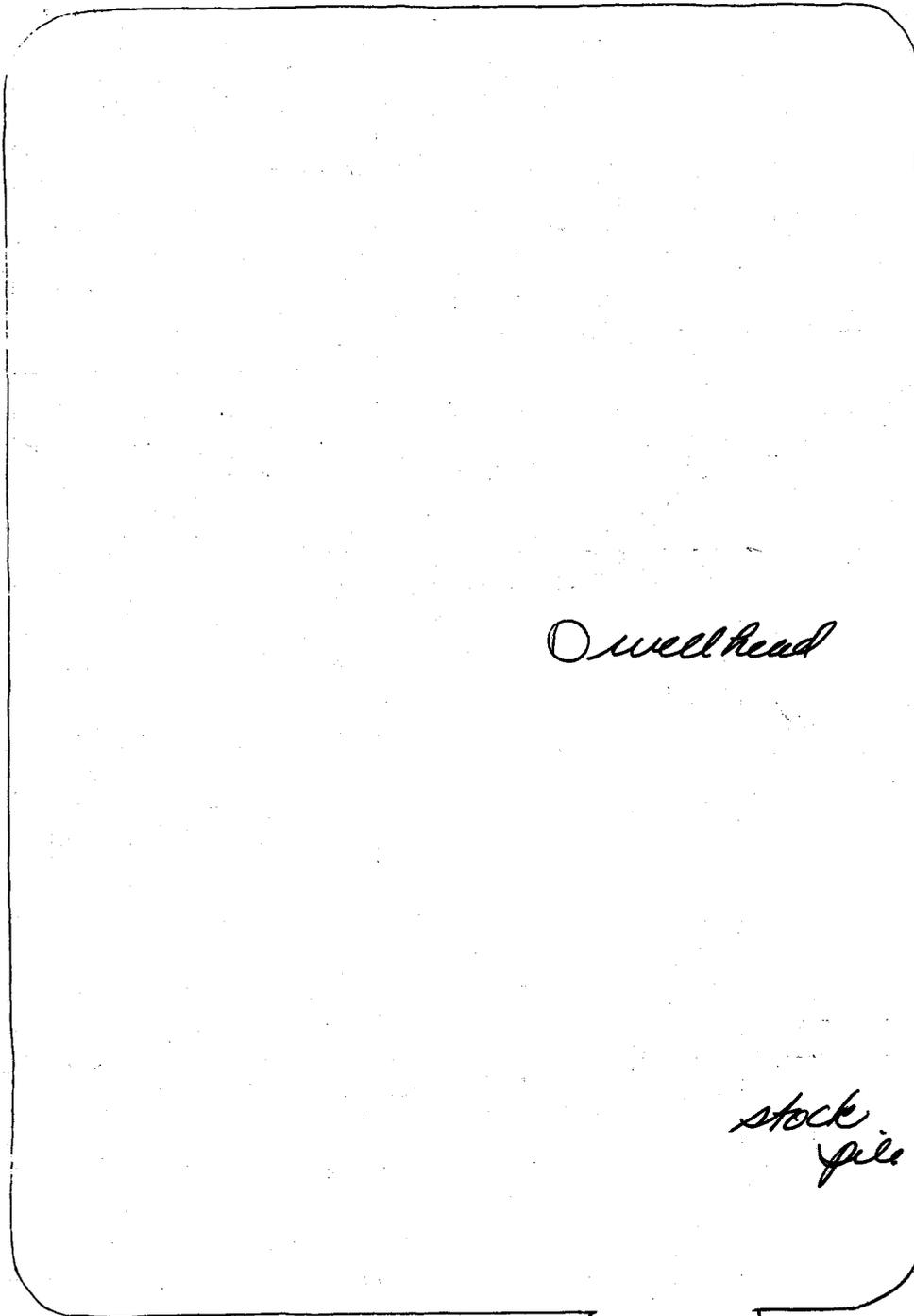
Federal approval of this action  
is required before commencing  
operations.

Ad # 1-5

Sec 5, 1080, 23E

July 14 July 88

05 - NAT GAS CORP.



Wellhead

stock pile

access road

14,381 50 SHEETS  
42,388 100 SHEETS  
54,388 200 SHEETS  
59,388 5 SQUARE  
MADE IN U.S.A.



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

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  
Phoenix Hydrocarbons, Inc.

3. ADDRESS OF OPERATOR  
P.O. Box 2802, Midland, TX 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any applicable regulations)  
 At surface 1495' FWL, 1341' FNL  
 At top prod. interval reported below Same  
 At total depth Same

**RECEIVED**  
MAR 06 1989

DIVISION OF OIL, GAS & MINING

14. PERMIT NO. 43-047-30856 DATE ISSUED 1/9/81  
 12. COUNTY OR PARISH Uintah 13. STATE Utah

15. DATE SPUDDED 3/19/81 16. DATE T.D. REACHED 5/10/81 17. DATE COMPL. (Ready to prod.) 2/17/89  
 18. ELEVATIONS (DP, RKB, RT, OR, ETC.)\* 5280 GL 19. ELEV. CASINGHEAD 5279'

20. TOTAL DEPTH, MD & TVD 9007' 21. PLUG, BACK T.D., MD. & TVD 8961'  
 22. IF MULTIPLE COMPL., HOW MANY\*   
 23. INTERVALS DRILLED BY  ROTARY TOOLS  CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
7417-7809' Mesa Verde  
 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN  
DLL-Acoustilog, CNL, Density, CBL *BAC-a mud*  
 27. WAS WELL CORED No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48	183	17-1/2	200 sx. Class G	None
9-5/8"	36	2530	12-1/4	700 sx 50/50 poz III	None
4-1/2"	11.6	9007	7-7/8	1850 sx 50/50 poz	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
n/a					2-3/8"	7575'	n/a

31. PERFORATION RECORD (Interval, size and number)  
7417-7809 - .37" - 17 holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7417-7809	4000 gals. 7-1/2% HCL
	55,600 gals gelled KCL water
	100,000# 20/40 sand.

33. PRODUCTION

DATE FIRST PRODUCTION 2/17/89 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing or shut-in) SI

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO
2/23/89	1	20/24	→	-0-	136	-0-	--

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.)
1500	1750	→	--0-	3272	-0-	--

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  
Waiting on pipeline connection to sell gas.  
 TEST WITNESSED BY  
Glade Holmes

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  
 SIGNED *Ken C. Wilkinson* TITLE Production Secretary DATE 3/3/89

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

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

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

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS	TOP																								
			<table border="1" style="margin: auto;"> <tr> <th colspan="2">OIL AND GAS</th> </tr> <tr> <td>DRN</td> <td>RJF</td> </tr> <tr> <td>JRB</td> <td>GLH</td> </tr> <tr> <td>DTS</td> <td>SLS</td> </tr> <tr> <td colspan="2" style="text-align: center;">I-TAS</td> </tr> <tr> <td>2-</td> <td>MICROFILM ✓</td> </tr> <tr> <td>3-</td> <td>FILE</td> </tr> </table>	OIL AND GAS		DRN	RJF	JRB	GLH	DTS	SLS	I-TAS		2-	MICROFILM ✓	3-	FILE	<table border="1" style="width: 100%;"> <tr> <th style="width: 50%;">NAME</th> <th style="width: 50%;">MEAS. DEPTH</th> </tr> <tr> <td>Wasatch</td> <td>4310'</td> </tr> <tr> <td>Mesa Verde</td> <td>6430'</td> </tr> <tr> <td>Buck Tongue</td> <td>8636'</td> </tr> <tr> <td>Castlegate</td> <td>8725'</td> </tr> </table>	NAME	MEAS. DEPTH	Wasatch	4310'	Mesa Verde	6430'	Buck Tongue	8636'	Castlegate	8725'	
OIL AND GAS																													
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Natural Gas Corporation of California  
 Southman Canyon #1-5  
 10 Point Drilling Procedure

1. Surface formation: Uintah

Estimated formation tops:	Elevation	Datum
Uintah	Surface	+5280
Green River	1468'	+3824
Wasatch	4283'	-1009
Mesaverde	6514'	-1222
Castlegate	8745'	-3453
Mancos	8897'	-3587
TD	9000'	-3708

3. Anticipated producing formations: Mesaverde and Castlegate

4. Proposed casing program:

Hole Size	Casing Size	Weight Per/ft.	Setting Depth	Casing New/Used
Surface - 17½"	13-3/8"	48#	200	New
Intermediate - 12¼"	9-5/8"	36# K-55	2500	New
Production - 7-7/8"	4-1/2"	11.6#, N-80	TD	New

5. A 3000 psi WP BOP system as described in the BOP and Pressure Containment Data (attached) will be installed and maintained from under the 9-5/8" surface casing. BOP system including the casing will be pressure tested to a minimum of 3000 psi for 30 minutes prior to drilling and will be mechanically checked daily during drilling operations.

6. Mud program will be fresh water base drilling mud from below surface casing to intermediate casing setting depth and a salt water mud system from below intermediate to total depth. Ample amount of weighting material will be maintained on location for emergencies.

Interval ft.	Mud Weight lbs./gal.	Viscosity sec./qt.	Fluid Loss ML/30 mins.	Mud Type
0-200	Air			
200-2500	8.4 - 8.8	27 - 29	No Control	Fresh Water
2500-TD	9.0 - 10.5	27 - 34	12 - 20 cc	Salt Water

7. Auxiliary equipment will include (1) upper kelly cock, (2) full opening stabbing valve, (3) 3000 psi choke manifold, (4) degasser.

8. Testing, Coring, Sampling and Logging:

- a) Testing: No drillstem tests are anticipated.
- b) Coring: No coring is anticipated at this time.
- c) Sampling: Two sets of cutting samples will be collected by the drilling contractor at 10' intervals from the base of the surface casing to the base of the Green River shale. The second sample will be sent to the Bureau of Mines, Laramie, Wyoming. Below the shale one sample will be taken at 10' intervals to TD.
- d) Logging: 200-2500 Dual Induction-SFL, Borehole Compensated Sonic and Compensated Formation Density-Neutron log.  
 2500-TD Dual Induction Laterolog, Borehole Compensated Sonic and Compensated Formation Density-Neutron log.

Natural Gas Corporation of CA  
Southman Canyon #1-5  
10 Point Drilling Procedure  
Page 2

9. Abnormalities: No abnormal temperatures, pressures, or other potential hazards are anticipated.
10. Drilling schedule: Drilling will commence upon receipt of approval.  
Duration of operations - 30 days.

**RECEIVED**  
MAR 09 1989

OPERATOR PHOENIX HYDROCARBONS  
ADDRESS P.O. Box 2802  
MIDLAND, TX 79702

OPERATOR CODE N0985  
PHONE NO. 915,683-5449

DIVISION OF  
OIL, GAS & MINING

OPERATORS MUST COMPLETE FORM UPON SPUDDING NEW WELL OR WHEN CHANGE IN OPERATIONS OR INTERESTS NECESSITATES CHANGE IN EXISTING ENTITY NUMBER ASSIGNMENT.

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	10690		4304730632	SOUTHMAN CANYON 4-4	NW SE	4	105	23E	UINTAH		1/1/89
COMMENTS: * Single entity well. Not in a Unit. Does not share tank battery with any other well. 4-3-89 oper. chg from NBC Energy Co. eff. 1/1/89. fcr											
A	10689		4304730856	SOUTHMAN CANYON 1-5	SE NW	5	105	23E	UINTAH	3/19/81	1/1/89
COMMENTS: * Single entity well. Not in a Unit. Does not share tank battery with any other well. 4-3-89 oper. chg. from NBC Energy Co. eff. 1/1/89. fcr											
COMMENTS:											
COMMENTS:											
COMMENTS:											

ACTION CODES: A - ESTABLISH NEW ENTITY FOR NEW WELL (SINGLE WELL ONLY)  
B - ADD NEW WELL TO EXISTING ENTITY (GROUP OR UNIT WELL)  
C - RE-ASSIGN WELL FROM ONE EXISTING ENTITY TO ANOTHER EXISTING ENTITY  
D - RE-ASSIGN WELL FROM ONE EXISTING ENTITY TO A NEW ENTITY  
E - OTHER (EXPLAIN IN COMMENTS SECTION)  
(SEE INSTRUCTIONS ON BACK OF FORM)

Kim C. Wilkinson  
SIGNATURE  
Prod. Sec.  
TITLE  
3/6/89  
DATE

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		3. LEASE DESIGNATION AND SERIAL NO. U-33433
2. NAME OF OPERATOR Phoenix Hydrocarbons, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. Box 2802, Midland, TX 79702		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with applicable regulations. See also space 17 below.) At surface 1495 FWL, 1341' FNL		8. FARM OR LEASE NAME Federal
5. PERMIT NO. 43-047-30856		9. WELL NO. 1-5
15. ELEVATIONS (Show whether of, ft., or, etc.) 5280 GR		10. FIELD AND POOL, OR WILDCAT Southman Canyon
		11. SEC., T., R., M., OR BLE. AND SUBVY OR ABBA Sec. 5, T10S, R23E
		12. COUNTY OR PARISH 13. STATE Uintah UT

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APR 10 1989

DIVISION OF  
OIL, GAS & MINING

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

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

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

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

CHANGE OF OPERATOR

Effective January 1, 1989, Phoenix Hydrocarbons, Inc. (N0985) assumed operations from NGC Energy Co. (N0700).

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

SIGNED Kim C. Wilkinson TITLE Production Secretary DATE 3/31/89

(This space for Federal or State office use)

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

CORDIALS OF APPROVAL, IF ANY:

Phoenix Hydrocarbons, Inc. (No 985)

July 2, 1991

RECEIVED

JUL 05 1991

DIVISION OF  
OIL GAS & MINING

Lisha Romero  
Division of Oil, Gas, & Mining  
3 Triad Center, Suite 350  
Salt Lake City, UT 84180-1203

RE: Change of Operator

Dear Lisha:

As per our telephone conversation on July 1, 1991, Phoenix Hydrocarbons, Inc. (PHI) hereby gives notice that effective July 1, 1991, Phoenix Hydrocarbons Operating Inc. (PHOC) will begin to operate wells previously operated by PHI. Attached you will find a list of these properties by field which includes API numbers and Utah Entity numbers.

Please assign PHOC a Utah Account Number for filing taxes and monthly reporting. If you should have any questions, please call. Thank you.

Sincerely,

*Rhonda Patterson*

Rhonda Patterson

encl.

\*910711 Address is the same per Rhonda Patterson. JRP

PHOENIX HYDROCARBONS UTAH FIELDS

AS OF 3/31/91

WALKER HOLLOW FIELD #700

API - NUMBER

UTAH ENTITY #

*U-02651*

McLish #1	43-047-20280	02760
McLish #2	43-047-30011	02760
McLish #3	43-047-30027	02760
McLish #4	43-047-30030	02760
Pan American Fed #2	43-047-30038	02760
WalkerHollow U #6	43-047-31034	02760
WalkerHollow UJ-8	43-047-31092	02760

RECEIVED

JUL 05 1991

DIVISION OF  
OIL GAS & MINING

NATURAL BUTTE FIELD #630

*U-33433*

Southman Canyon #1-5	43-047-30856	10689
Southman Canyon #4-4	43-047-30632	10690
Southman Canyon #4-5	43-047-30633	06131

PLEASANT VALLEY FIELD #115

*FEE*

Pleasant Valley 24-32	43-013-30888	04970
Pleasant Valley 23-22	43-013-30845	04965

8 MILE FLAT NORTH FIELD #590

*mL-22057*

Gulf State 36-11	43-047-31350	00040
Gulf State 36-12	43-047-31864	11002
Gulf State 36-13	43-047-31345	00045
Gulf State 36-22	43-047-31892	11095
Pariette Draw 28-44-FEE	43-047-31408	04960

HORSESHOE BEND FIELD #620

*U-075939*

Baser Draw 5-1	43-047-31833	10862
Baser Draw 6-1	43-047-31834	10863
Baser Draw 6-2	43-047-31859	10967
Federal Miller #1- <i>U-0136484</i>	43-047-30034	02750
Wolf Government #1	43-047-15609	02755
FEDERAL 4-3-L- <i>U-66401</i>	43-047-31910	99999 (ADDED TO LIST BY DOGM)

WILDCAT FIELD #001

*U-65223*

Coors 14-1-D- <i>U-65223</i>	43-047-31304	11193
------------------------------	--------------	-------

UNDESIGNATED FIELD #002

E. Gusher 15-1-A- <i>U-58097</i>	43-047-31900	11122
Federal 5-5-H- <i>UTU-66401</i>	43-047-31903	11138

NOTE: WE NEED TO CALL EACH QUARTER TO THE DIVISION OF OIL, GAS, & MINING TO VERIFY FIELD'S THAT HAVE BEEN "UNDESIGNATED" FOR FIELD ASSIGNMENT

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

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: September 30, 1990

**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

SEP 23 1992

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
**Phoenix Hydrocarbons Operating Corp.**

3. Address and Telephone No.  
**P. O. Box 2802, Midland, Texas 79702    (915) 682-1186**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**Section 5, T-10-S, R-23-E, SLM**

5. Lease Designation and Serial No.  
**U-33433**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.  
**Southman Canyon 1-5**

9. API Well No.  
**4304730856**

10. Field and Pool, or Exploratory Area  
**Natural Butte Field #630**

11. County or Parish, State  
**Uintah County, Utah**

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

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

**Designation of Operator**  
 (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.)\*

Phoenix Hydrocarbons Operating Corp. has acquired operations from Phoenix Hydrocarbons, Inc. on the above lease, effective as of July 1, 1991. Phoenix Hydrocarbons Operating Corp. is covered by Irrevocable Standby Letter of Credit No. 10005 issued by Texas Commerce Bank - Midland, N. A. in favor of the Utah Division of Oil, Gas & Mining, revised 1/4/91. Phoenix is also covered under Statewide Oil and Gas Bond #B01258, filed and accepted March 23, 1988 by the Chief of the Minerals Adjudication Section, United States Department of the Interior, Bureau of Land Management, Salt Lake City, Utah.

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

Signed [Signature] Title Landman Date July 9, 1991

(This space for Federal or State of use)

Approved by [Signature] Title ASSISTANT DISTRICT MANAGER MINERALS Date SEP 22 1992

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.

Routing:	
1-LCR	7-LCR
2-DTS	DTS
3-VLC	
4-RJF	
5-RWM	
6-ADA	

Attach all documentation received by the division regarding this change.  
 Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold)       Designation of Agent  
 Designation of Operator       Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 7-1-91)

TO (new operator)	<u>PHOENIX HYDROCARBONS</u>	FROM (former operator)	<u>PHOENIX HYDROCARBONS, INC.</u>
(address)	<u>OPERATING CORPORATION</u>	(address)	<u>PO BOX 2802</u>
	<u>PO BOX 2802</u>		<u>MIDLAND, TX 79702</u>
	<u>MIDLAND, TX 79702</u>		<u>RHONDA PATTERSON</u>
	phone (915) <u>682-1186</u>		phone (915) <u>682-1186</u>
	account no. <u>N9880</u>		account no. <u>N0985</u>

Well(s) (attach additional page if needed):

Name: <u>*SEE ATTACHED*</u>	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 7-5-91)*
2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Subsidiary company of Phoenix Hydrocarbons, Inc.)*
3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes)/no \_\_\_\_ If yes, show company file number: # 151808.
4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(9-24-92)*
6. Cardex file has been updated for each well listed above. *(9-24-92)*
7. Well file labels have been updated for each well listed above. *(9-24-92)*
8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(9-24-92)*
9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

1 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes  no  ) \_\_\_\_ (If entity assignments were changed, attach copies of Form 6, Entity Action Form).

N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

N/A 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.

N/A 2. A copy of this form has been placed in the new and former operators' bond files.

N/A 3. The former operator has requested a release of liability from their bond (yes/no) \_\_\_\_ . Today's date \_\_\_\_\_ 19\_\_\_\_ . If yes, division response was made by letter dated \_\_\_\_\_ 19\_\_\_\_ .

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

1 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated \_\_\_\_\_ 19\_\_\_\_ , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.

1 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

1 1. All attachments to this form have been microfilmed. Date: Oct 7 1992.

FILING

1 1. Copies of all attachments to this form have been filed in each well file.

1 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

920924 Btm/Vernel Approved on 9-22-92 eff. 7-1-91.

**STATE OF UTAH**  
**DIVISION OF OIL, GAS AND MINING**  
 355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

## MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

RHONDA PATTERSON  
 PHOENIX HYDRO OPER CORP  
 PO BOX 2802  
 MIDLAND TX 79702

UTAH ACCOUNT NUMBER: N9880

REPORT PERIOD (MONTH/YEAR): 12 / 93

AMENDED REPORT  (Highlight Changes)

Well Name	Producing Zone	Well Status	Days Oper	Production Volumes		
				OIL(BBL)	GAS(MCF)	WATER(BBL)
FEDERAL #1-5						
✓ 4304730856 10689 10S 23E 5	MVRD			- U-33433		
FEDERAL #4-4						
✓ 4304730632 10690 10S 23E 4	MVRD			- U-33433		
COTTONWOOD WASH UNIT #1						
✓ 4304731774 10754 12S 21E 10	WSTC			- U-40729	Cottonwood Wash Unit (separate chg)	
EAST BENCH UNIT #1						
✓ 4304731778 10795 11S 22E 33	WSTC			- U-25880	East Bench Unit / Btm Appr. 2-14-94	
WILLOW CREEK UNIT #1						
✓ 4304731775 10804 11S 20E 27	WSTC			- U-34705		
WILLOW CREEK UNIT #2						
✓ 4304731818 10804 11S 20E 5	WSMVD			- U-39223		
ALGER PASS #1						
✓ 4304731824 10828 11S 19E 2	MVRD			- ML-36213	Alger Pass Unit / Btm Appr. 2-14-94	
BASER DRAW 5-1						
✓ 4304731833 10862 07S 22E 5	UNTA			- U-075939		
BASER DRAW #6-1						
✓ 4304731834 10863 07S 22E 6	UNTA			- U-075939		
BASER 6-2						
✓ 4304731859 10967 07S 22E 6	UNTA			- U-075939		
GULF STATE 36-12						
✓ 4304731864 11002 08S 18E 36	GRRV			- ML-22057		
GULF STATE #36-22						
✓ 4304731892 11095 08S 18E 36	GRRV			- ML-22057		
E. GUSHER 15-1-A						
✓ 4304731900 11122 06S 20E 15	GRRV			- U-58097		
<b>TOTALS</b>						

COMMENTS: \_\_\_\_\_

\_\_\_\_\_

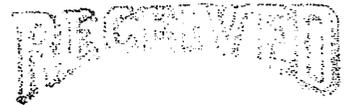
\_\_\_\_\_

I hereby certify that this report is true and complete to the best of my knowledge. Date: \_\_\_\_\_

Name and Signature: \_\_\_\_\_ Telephone Number: \_\_\_\_\_

**SNYDER OIL CORPORATION**

1625 Broadway, Suite 2200  
Denver, Colorado 80202  
Phone 303-592-8579



FEB 07 1994

DIVISION OF  
OIL, GAS & MINING

January 13, 1994

State of Utah  
Division of Oil, Gas, & Mining  
3 Triad Center, #350  
Salt Lake City, UT 84180-1203

Attention: Lisha Cordova

RE: Change of Operator  
Sundry Notices

Dear Ms. Cordova:

Effective January 1, 1994, Phoenix Hydrocarbons Operating Corp. will transfer all operations in Utah to Snyder Oil Corporation.

Snyder Oil Corporation is covered by Utah State Bond #582488 and Federal Bond #579354 (Guld Insurance Company).

Attached you will find a list of all wells to be operated by Snyder Oil Corporation. Please note: all of Phoenix Hydrocarbon Operating Corp.'s wells should be transferred.

If you should have any questions, please call.

Sincerely,

A handwritten signature in black ink, appearing to read "Steven G. Van Hook".

Steven G. Van Hook  
Attorney-in-Fact

Enclosures

INTEROFFICE COMMUNICATION  
SNYDER OIL CORPORATION

TO: George Rooney  
FROM: Steve Van Hook *SVH*  
DATE: January 17, 1994  
RE: Phoenix Acquisition  
Transfer of Operator Forms

RECEIVED  
FFB 07 1994  
DIVISION OF  
OIL, GAS & MINING

Accompanying this memo are the following items related to the Phoenix acquisition which require your further handling:

*CBK  
needs  
copies*

① Original letter dated 12/20/93 from Phoenix to the State of Utah Oil, Gas & Mining Division, with exhibit listing all wells in which SOCO becomes operator. Please mail ASAP with our enclosed cover letter advising SOCO is assuming operations.

② Separate executed forms to transfer operations on the Southman Canyon SWD #3 well. Please complete the contact portion of these forms and forward for approval with the State of Utah.

3. For the Walker Hollow Unit, enclosed is a 1/14/94 cover letter from Phoenix Hydrocarbon with a Sundry Notice executed by SOCO and Phoenix for the following unit wells:

McLish #1, 2, 3, 4  
Pan Am #2  
Walker Hollow U6, J8

4. For operated wells on Federal lands, a separate file for the following wells is enclosed containing in each three original Sundry Notices of the BLM executed by SOCO and Phoenix. Please file with the BLM in triplicate for the following wells:

Castle Peak 1-3  
Canyon View 1-18  
Crooked Canyon 1-17  
Federal 11-1-M  
Madelive 4-3-C  
Coors 1-14-D  
Baser 5-1

No Name 2-9, 1-9  
Willow Creek #2  
Flat Mesa 2-7  
Flat Mesa 1-7  
Gusher 15-1-A  
Southman Canyon 4-5, 4-4, 1-5  
Baser Draw 6-2, 6-1

Memo Re: Phoenix/Transfer of Operator Forms  
January 17, 1994  
Page 2

Wolf Govt. Federal #1  
Monument Butte 2-3  
Pete's Flat Federal 1-1  
Willow Creek #1  
Cliff Edge Fed 1-15  
E. Gusher No. 3  
Lizzard Creek 1-10  
Federal 3-15  
Monument Butte 1-3

Federal Miller 1  
Sage Brush 1-8  
Bitter Creek Federal 1-3  
White River 1-14  
Southman Canyon SWD #3  
Federal 2-10 HB  
Horseshoe Bend 2  
Natural 1-7 (Love Unit)

Please advise should any questions arise.

SVH/lk

Attachments

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: September 30, 1990

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.  
**UTU 33433**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.  
**Southman Canyon 1**

9. API Well No.  
**43-047-30856**

10. Field and Pool, or Exploratory Area

11. County or Parish, State  
**Uintah, UT**

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
**Snyder Oil Corporation**

3. Address and Telephone No.  
**1625 Broadway, #2200, Denver, CO 80202 (303)592-8500**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**Sec 5, T-10-S, R-23-E**

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

**Change Of Operator**

(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.)

Effective January 1, 1994, Snyder Oil Corporation will become the operator of the referenced well from Phoenix Hydrocarbons Operating Corp.

Snyder Oil Corporation is covered under Federal Bond #579354 (Gulf Insurance Company) and Utah State Bond #582488.

FEB 22 1994

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

Signed

*[Signature]*

Title

*Attorney-in-Fact*

Date

*1-14-94*

(This space for Federal or State office use)

**is HOWARD B. CLEAVINGER II**

Title

ASSISTANT DISTRICT  
MANAGER MINERALS

Date

FEB 17 1994

Approved by  
Conditions of approval, if any:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: September 30, 1990

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

UTU 33433

6. If Indian. Allottee or Tribe Name

7. If Unit or CA. Agreement Designation

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well  Gas Well  Other

8. Well Name and No.

Southman Canyon 1-S

2. Name of Operator

Phoenix Hydrocarbons Operating Corp.

9. API Well No.

43-047-30856

3. Address and Telephone No.

415 West Wall, #703 Midland, TX 79701 915-682-1186

10. Field and Pool, or Exploratory Area

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

Sec. 5, T-10-S, R-23-E

11. County or Parish, State

Uintah Co., 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

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

Change of Operator

(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.)

Effective January 1, 1994, Snyder Oil Corporation will become the Operator of the above referenced well.

FEB 22 1994

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

Signed

Title

President

Date

1/14/94

(This space for Federal or State office use)

Approved by

HOWARD B. CLEAVINGER II

Title

ASSISTANT DISTRICT MANAGER MINERALS

Date

FEB 17 1994

Conditions of approval, if any:



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Vernal District Office  
170 South 500 East  
Vernal, Utah 84078-2799

FEB 28 1994



IN REPLY REFER TO:

3162.3  
UT08438

February 17, 1994

Snyder Oil Corporation  
Attn: Mr. Steven C. Van Hook  
1625 Broadway, Suite #2200  
Denver, CO 80202

Re: Well: Southman Canyon 1-5  
SENW, Sec. 5, T10S, R23E  
Lease U - 33433  
Uintah County, Utah

Dear Mr. Van Hook:

This correspondence is in regard to the self-certification statement submitted requesting a change in operator for the referenced well. After a review by this office, the change in operator request is approved. Effective immediately, Snyder Oil Corporation is responsible for all operations performed on the referenced well. All liability will now fall under your bond, BLM Bond No. WY2272, for all operations conducted on the referenced well on the leased land.

If you have any other questions concerning this matter, please contact Ed Forsman of this office at (801)789-1362.

Sincerely,

Howard B. Cleavinger 41  
Assistant District Manager for Minerals

cc: Alta Country Partner  
Alta Midland Partner  
EP Operating Ltd. Partner  
Hydrocarbon Energy  
Xeta Partners 1988

# Phoenix Hydrocarbons Operating Corp.

December 20, 1993

State of Utah  
Division of Oil, Gas, & Mining  
3 Triad Center, #350  
Salt Lake City, UT 84180-1203

FEB 28 1994

Attention: Lisha Cordova

RE: Change Of Operator  
Sundry Notices

Dear Lisha:

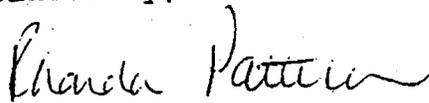
Effective January 1, 1994, Phoenix Hydrocarbons Operating Corp. will transfer all operations in Utah to Snyder Oil Corporation.

Snyder Oil Corporation is covered by Utah State Bond #582488 and Federal Bond #579354 (Guld Insurance Company).

Attached you will find a list of all wells to be Operated by Snyder Oil Corporation. Please note: all of Phoenix Hydrocarbon Operating Corp.'s well should be transferred.

If you should have any questions, please call.

Sincerely,



Rhonda Patterson

encl.

Post-it™ Fax Note	7671	Date	# of pages ▶ 3
To	Lisha	From	Cynthia Brockman
Co./Dept.		Co.	
Phone #		Phone #	
Fax #		Fax #	

# UINTAH COUNTY

Well Name	LEASE NUMBER	API NUMBER	LOCATION
Gulf State 36-11	ML-22057	43-047-31350	SEC 36, T-8-S, R-18-E
Gulf State 36-12	ML-22057	43-047-31864	SEC 36, T-8-S, R-18-E
Gulf State 36-13	ML-22057	43-047-31346	SEC 36, T-8-S, R-18-E
Gulf State 36-22	ML-22057	43-047-31892	SEC 36, T-8-S, R-18-E
Pariette Draw 28-44	FEE	43-047-31408	SEC 28, T-4-S, R-2-W
Federal Miller #1	UTU0136484	43-047-30034	SEC 4, T-7-S, R-22-E
Wolf Govt # 1	UTU076939	43-047-16609	SEC 6, T-7-S, R-22-E
McLish #1 (Walkert-Hollow)	SL-066341	43-047-20280	SEC 8, T-7-S, R-23-E
McLish #2 (Walkert-Hollow)	SL-066341	43-047-30011	SEC 8, T-7-S, R-23-E
McLish #3 (Walkert-Hollow)	SL-066341	43-047-30027	SEC 8, T-7-S, R-23-E
McLish #4 (Walkert-Hollow)	SL-066341	43-047-30030	SEC 8, T-7-S, R-23-E
Walker Hollow U-6	SL-066341	43-047-31034	SEC 8, T-7-S, R-23-E
Pari American #2	SL-066341	43-047-31092	SEC 8, T-7-S, R-23-E
Walker Hollow U-8	SL-066341	43-047-31092	SEC 8, T-7-S, R-23-E
Basin 6-1	UTU076939	43-047-31833	SEC 6, T-7-S, R-22-E
Basin 6-1	UTU076939	43-047-31834	SEC 6, T-7-S, R-22-E
Basin 6-2	UTU076939	43-047-31859	SEC 6, T-7-S, R-22-E
Southman 1-6	UTU33433	43-047-30856	SEC 6, T-10-S, R-23-E
Southman 4-4	UTU33433	43-047-30632	SEC 4, T-10-S, R-23-E
Southman 4-6	UTU33433	43-047-30633	SEC 6, T-10-S, R-23-E
East Gusher 16-1-A	UTU68097	43-047-31900	SEC 16, T-8-S, R-20-E
Coors 14-1-D	UTU65223	43-047-31304	SEC 14, T-7-S, R-21-E
East Gusher 2-1-A	ML-21181	43-047-31431	SEC 2, T-6-S, R-20-E
Madeline 4-3-C	UTU42469	43-047-32279	SEC 4, T-7-S, R-21-E
Federal 6-5-H	UTU68999	43-047-31903	SEC 6, T-7-S, R-21-E
Federal 11-1-M	UTU64376	43-047-32333	SEC 11, T-6-S, R-20-E
Flat Mesa 1-7	U-38420	43-047-30362	SEC 7, T-10-S, R-23-E
Flat Mesa 2-7	U-38420	43-047-30546	SEC 7, T-10-S, R-23-E
Crooked Canyon 1-17	U-37355	43-047-30369	SEC 17, T-10-S, R-23-E
Willow Creek 2	U-38223	43-047-31818	SEC 6, T-11-S, R-20-E
No Name Canyon 1-9	U-37355	43-047-30378	SEC 9, T-10-S, R-23-E
No Name Canyon 2-9	U-37355	43-047-31604	SEC 9, T-10-S, R-23-E
Canyon View Fed 1-18	U-38421	43-047-30379	SEC 18, T-10-S, R-23-E
Alger Pass #1	ML-36213	43-047-31824	SEC 2, T-11-S, R-19-E
Sage Hen 1-6	U-38419	43-047-30362	SEC 6, T-10-S, R-23-E
Sagebrush 1-8	U-37355	43-047-30383	SEC 8, T-10-S, R-23-E
Southman Canyon SWD 3	U-38427	43-047-16980	SEC 16, T-10-S, R-23-E
Jack Rabbit 1-11	U-38426	43-047-30423	SEC 11, T-10-S, R-23-E
Cliff Edge 1-16	U-38427	43-047-30462	SEC 16, T-10-S, R-23-E
White River 1-14	U-38427	43-047-30461	SEC 14, T-10-S, R-23-E
Bitter Creek Fed 1-3	U-26787	43-047-30524	SEC 3, T-11-S, R-22-E
Lookout Point 1-16	ML-22186-A	43-047-30544	SEC 16, T-10-S, R-23-E
Pete's Flat Fed 1-1	U-40736	43-047-30558	SEC 1, T-10-S, R-23-E
Shepherd Fed 1-10	U-38261	43-047-30559	SEC 10, T-10-S, R-23-E
NSD Fed 1-12	U-38422	43-047-30560	SEC 12, T-10-S, R-23-E
Cottonwood Wash #1	U-40729	43-047-31774	SEC 10, T-12-S, R-21-E
Willow Creek #1	U-34705	43-047-31775	SEC 27, T-11-S, R-20-E
East Bench #1	U-25860	43-047-31778	SEC 33, T-11-S, R-22-E
Lizard Creek 1-10	U-26860	43-047-31476	SEC 10, T-11-S, R-22-E
Archy Bench #1-2	ML-22348-A	43-047-31489	SEC 2, T-11-S, R-22-E
Coors 2-10-HB	UTU-65222	43-047-32009	SEC 10, T-7-S, R-21-E
E Gusher #3	SL-065841-A	43-047-16590	SEC 3, T-6-S, R-20-E
Natural 1-7	U-8346	43-047-30148	SEC 7, T-11-S, R-21-E
Bonanza Federal 3-16	U-38426	43-047-31278	SEC 16, T-10-S, R-23-E
Lafkas 1-3	CR201	43-047-31178	SEC 3, T-11-S, R-20-E
State 14-16	ML-40904	43-047-31417	SEC 16, T-7-S, R-21-E
Love Unit 1-18	891018090A	43-047-30706	SEC 18, T-11-S, R-22-E
Love Unit 1-11	891018090A	43-047-30617	SEC 11, T-11-S, R-21-E
Love Unit 1-12	891018090A	43-047-30638	SEC 12, T-11-S, R-21-E
Love Unit 4-1	891018090A	43-047-30640	SEC 4, T-11-S, R-21-E
Love Unit B-1-10	891018090A	43-047-30709	SEC 10, T-11-S, R-21-E
Love Unit B-2-3	891018090A	43-047-30766	SEC 3, T-11-S, R-21-E
Horseshoe Bend #2 (Ata)	U-0142176	43-047-16800	SEC 3, T-7-S, R-21-E

# DUCHESNE COUNTY

<b>Well Name</b>	<b>LEASE NUMBER</b>	<b>API NUMBER</b>	<b>LOCATION</b>
Pleasant Valley 24-32	FEE	43-013-30888	SEC 24, T-4-S, R-2-W
Castle Peak 1-3	U-47172	43-013-30639	SEC 3, T-9-S, R-16-E
Monument Butte 1-3	U-44004	43-013-30642	SEC 3, T-9-S, R-17-E
Monument Butte 2-3	U-61252	43-013-30810	SEC 3, T-9-S, R-17-E

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

Routing:

1- <del>FILE</del>
2- <del>DP 57-SJ</del>
3- <del>FILE 8-FILE</del>
4- RJE ✓
5- <del>FILE</del>
6- PL ✓

Attach all documentation received by the division regarding this change.  
 Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold)                       Designation of Agent  
 Designation of Operator                               Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 1-01-94 )

TO (new operator)	<u>SNYDER OIL CORPORATION</u>	FROM (former operator)	<u>PHOENIX HYDRO OPER CORP</u>
(address)	<u>PO BOX 129</u>	(address)	<u>PO BOX 2802</u>
	<u>BAGGS WY 82321</u>		<u>MIDLAND TX 79702</u>
	<u>KATHY STAMAN</u>		<u>RHONDA PATTERSON</u>
	phone <u>(307) 383-2800</u>		phone <u>(915) 682-1186</u>
	account no. <u>N 1305</u>		account no. <u>N 9880</u>

Well(s) (attach additional page if needed):

Name: <b>**SEE ATTACHED**</b>	API: <u>047-30866</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- Sec 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 2-28-94)*
- Sec 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Rec'd 2-7-94)*
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_\_ If yes, show company file number: \_\_\_\_\_.
- Sec 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- Sec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(2-28-94)*
- Sec 6. Cardex file has been updated for each well listed above. *(2-28-94)*
- Sec 7. Well file labels have been updated for each well listed above. *(3-2-94)*
- Sec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(2-28-94)*
- Sec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Sec 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) \_\_\_\_ (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- Sec 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond. *(In progress / Phoenix's IDLOC # m416415 / \$80,000 not to be released until replaced) \* Both operators aware.*
- \_\_ 2. A copy of this form has been placed in the *\* Upon compl. of routing.* new and former operators' bond files.
- Sec 3. The former operator has requested a release of liability from their bond (yes/no) \_\_\_\_ . Today's date February 28, 1994 . If yes, division response was made by letter dated \_\_\_\_\_ 19\_\_ .

EASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated \_\_\_\_\_ 19\_\_, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested. *bc) 2/10/94*
- N/A 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

- \_\_ 1. All attachments to this form have been microfilmed. Date: March 18 1994 .

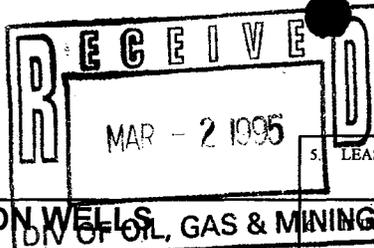
FILING

- ✓ 1. Copies of all attachments to this form have been filed in each well file.
- ✓ 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

940228 Partial change only. (see separate change)

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



1. **SUNDRY NOTICES AND REPORTS ON WELLS, GAS & MINING** LEASE DESIGNATION AND SERIAL NO. \_\_\_\_\_  
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT-" for such proposals.) LEASING, ALLOTTEE OR TRIBAL NAME \_\_\_\_\_

OIL WELL  GAS WELL  OTHER \_\_\_\_\_  
 7. UNIT AGREEMENT NAME \_\_\_\_\_

2. NAME OF OPERATOR Snyder Oil Corporation  
 8. FARM OR LEASE NAME 1-5

3. ADDRESS OF OPERATOR 1625 Broadway, Suite 2200, Denver, CO 80202 (303) 592-8500  
 9. WELL NO. 43-047-30856

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)  
 At surface Southman Canyon field  
 10. FIELD AND POOL, OR WILDCAT Southman Canyon  
 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA \_\_\_\_\_

14. API NUMBER \_\_\_\_\_ 15. ELEVATIONS (Show whether DF, RT, GR, etc.) \_\_\_\_\_  
 12. COUNTY OR PARISH Uintah 13. STATE UT

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

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

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

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

Snyder Oil Corporation respectfully requests the following wells be added to list that disposes produced water in the Southman Canyon #3 disposal well:

- 1) Bonanza Federal #3-15
- 2) Lookout Point State #1-16
- 3) Southman Canyon #1-5
- 4) Southman Canyon #4-4
- 5) Southman Canyon #4-5
- 6) Southman Canyon #31-1-L
- 7) Southman Canyon #9-4-J
- 8) Southman Canyon #9-3-M

18. I hereby certify that the foregoing is true and correct  
 SIGNED George Rooney *George B. Rooney* TITLE Sr. Petroleum Engineer DATE February 15, 1995

(This space for Federal or State office use)

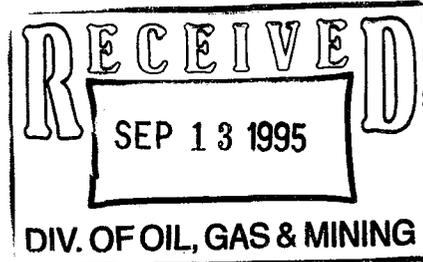
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

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

IN REPLY REFER TO:  
UT-922



September 12, 1995

Snyder Oil Corporation  
1625 Broadway, Suite 2200  
Denver, Colorado 80202

Gentlemen:

*43-047-30856 / Federal 1-5*  
*43-047-30545 / Flat Mesa 2-7*

Enclosed is one approved copy of Communitization Agreement No. UTU74473. This agreement communitizes all rights as to natural gas and associated liquid hydrocarbons producible from the Mesaverde and Wasatch Formations, covering Lots 3,4, S ½NW, SW ¼ (W ½) of Section 5, Township 10 South, Range 23 East, SLB&M, Uintah County, Utah. This agreement conforms with the spacing set forth in Order No. 179-1 which was issued by the State of Utah, Board of Oil, Gas and Mining.

This agreement is effective as of February 17, 1989. The communitized area covers 321.18 acres and includes portions of Federal oil and gas leases U-33433 and U-73450.

Approval of this agreement does not warrant or certify that the operator thereof and other holders of operating rights hold legal or equitable title to those rights in the subject leases which are committed hereto.

Minerals Management Service Form MMS-3160, "Monthly Report of Operations", must be submitted for this agreement beginning with the month in which drilling operations commence for Well No. 1-5, SE ¼NW ¼, Section 5, Township 10 South, Range 23 East, SLB&M, Uintah County, Utah, API No. 43-047-30856 on Federal Lease No. UTU-33433. Form MMS-3160 is to be mailed to the Minerals Management Service, Production Accounting Division, P. O. Box 17110, Denver, Colorado 80217.

If this well is producing, this approval requires the submission of a Payor Information Form MMS-4025 to the Minerals Management Service (MMS) within 30 days (30 CFR 210.51). Please notify the designated payor or payors (purchasers, working interest owners, or others) as soon as possible regarding this requirement. Any production royalties that are due must be reported and paid within 90 days of the Bureau of Land Management's approval date or the payors will be assessed interest for late payment under the Federal Oil and Gas Royalty Management Act of 1982 (See 30 CFR 218.54). If you need assistance or clarification, please contact the Minerals Management Service at 1-800-525-9167 or 303-231-3504.

Please furnish all interested principals with necessary evidence of this approval.

Sincerely,

/s/ George Diwachak

for Robert A. Henricks  
Chief, Branch of Fluid Minerals

**Enclosure**

bcc: Branch of Mineral Adjudication w/enclosure  
District Manager - Vernal w/enclosure  
Division Oil, Gas & Mining  
File - UTU74473  
MMS - Data Management Division  
Agr. Sec. Chron.  
Fluid Chron.

922:TATHOMPSON:tt:09-12-95

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 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

**SNYDER OIL CORPORATION**

3. Address and Telephone No.

**P. O. Box 695, Vernal, UT 84078 801/789-0323**

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

**1495' FWL 1341' FNL SE/NW  
Section 5, T10S, R23E**

5. Lease Designation and Serial No.

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

**UTU-74473**

8. Well Name and No.

**Federal-52 0 V**

9. API Well No.

**43-047-30856**

10. Field and Pool or Exploration Area

**MAR 29 1996**

11. County or Parish, State

**UINTAH COUNTY & MINING**

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"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <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 <small>(Note: Report results of multiple completion or Completion or Recompletion Report and Log f</small>

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 direction ally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Snyder Oil Corporation requests approval to change from a quarterly calibration schedule to a biannual calibration schedule for the above referenced well. This well makes less than 100 MCF/day.

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

Signed

*Lucy Nemeč*  
Lucy Nemeč

Title **Senior Clerk**

Date **26-Mar-96**

(This space for Federal or State office use)

Approved by \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Conditions of approval, if any:

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

**\*See Instruction on Reverse Side**



Snyder Oil Corporation

P.O. Box 695  
Vernal, Utah 84078  
801/789-0323

February 29, 1996

Utah State Division of Oil Gas & Mining  
3 Triad Center, Suite #350  
355 W. North Temple  
Salt Lake City, UT 84180-1203

MAR - 1 1996

RE: Site Security Diagrams

Gentlemen:

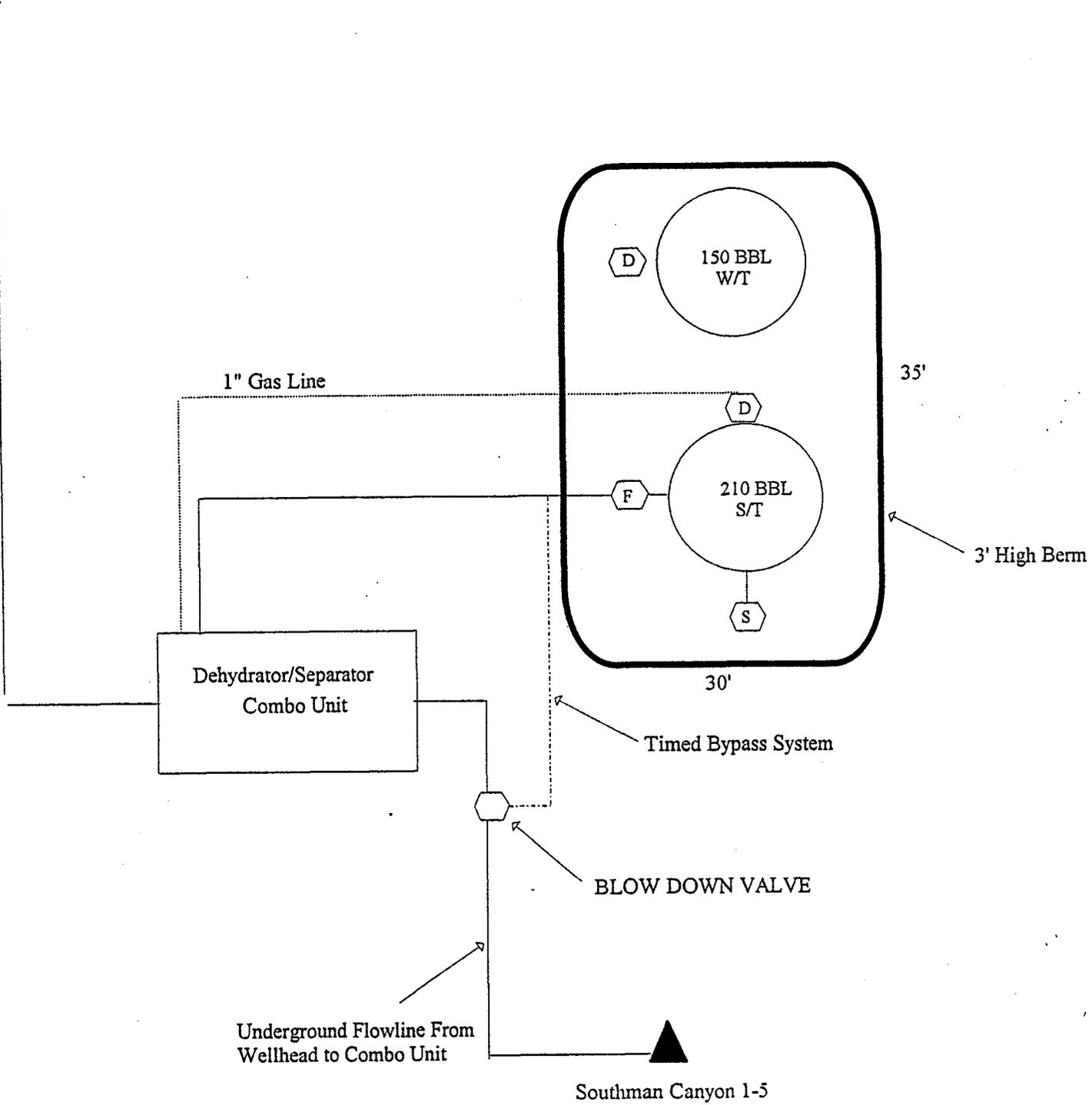
Enclosed are copies of Site Security Diagrams for wells operated by Snyder Oil Corporation. We will send you copies of the rest of the diagrams when we receive them from Buys and Associates. If you have any questions, please contact me at 801-789-0323.

Sincerely,

A handwritten signature in cursive script that reads 'Lucy Nemeec'.

Lucy Nemeec  
Senior Clerk

GAS SALES LINE



Underground Flowline From Wellhead to Combo Unit

Southman Canyon 1-5

Slope

N

SITE SECURITY PLAN LOCATED AT:

SNYDER OIL CORPORATION  
P.O. BOX 695  
VERNAL, UT 84078

<b>Snyder Oil Corporation</b>	
SOUTHMAN CANYON 1-5 SE NW SEC 5 T10S R23E UINTAH COUNTY, UT Lease # U-33433	
Prepared By: TM	01/16/96
<b>BUYS &amp; ASSOCIATES, INC.</b> Environmental Consultants	

**SNYDER OIL CORPORATION**

**VALVING DETAIL**

(Site Security Diagram Attachment)

**Position of Valves and Use of Seals for Tanks in Production Phase**

<b>Valve</b>	<b>Line Purpose</b>	<b>Position</b>	<b>Seal Installed</b>
E	Overflow/Equalizer	Closed	Yes
F	Fill	Open	No
W	Water	Closed	Yes
D	Drain	Closed	Yes
S	Sales	Closed	Yes

**Position of Valves and Use of Seals for the Tank in Sales Phase**

<b>Valve</b>	<b>Line Purpose</b>	<b>Position</b>	<b>Seal Installed</b>
E	Overflow/Equalizer	Closed	Yes
F	Fill	Closed	Yes
W	Water	Closed	Yes
D	Drain	Closed	Yes
S	Sales	Closed*	Yes

\*The sales line will be opened by the purchaser at the time of sale. Until that time the sales line will remain closed and sealed.



Snyder Oil Corporation  
Southern Region

1200 Smith, Suite 3300  
Houston, Texas 77002  
713-646-6600

June 7, 1999

State of Utah  
Division of Oil, Gas & Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, UT 84180-1203

RE: \$80,000 Surety Blanket P & A Bond #5736975

Dear Sir or Madam:

Santa Fe Snyder Corporation was formed when Snyder Oil Corporation was merged into Santa Fe Energy Resources, Inc. on May 5, 1999. Copies of the approved merger, issued by the Delaware Secretary of State, are enclosed for your files.

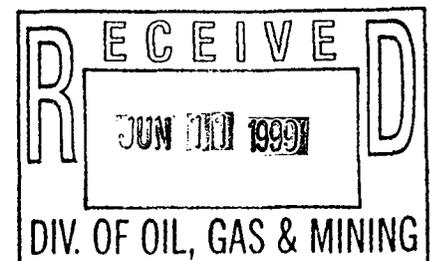
As this merger causes "Snyder" to cease to exist and their activities are covered by bond #JZ7777, please release bond # 5736975 and return it to the sender.

Thank you for your assistance in this matter.

Very truly yours,

Phillip W. Bode

Enclosure



**Santa Fe Energy Resources, Inc.**

June 7, 1999

State of Utah  
Division of Oil, Gas & Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, UT 84180-1203

RE: \$80,000 Surety Blanket P & A Bond #JZ7777

Dear Sir or Madam:

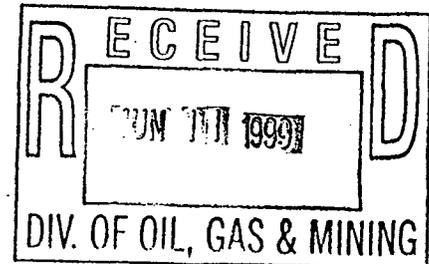
Enclosed is the above bond for Santa Fe Snyder Corporation. This corporation was formed when Snyder Oil Corporation was merged into Santa Fe Energy Resources, Inc. on May 5, 1999. Copies of the approved merger, issued by the Delaware Secretary of State, are enclosed for your files.

Thank you for your assistance in this matter.

Very truly yours,



Phillip W. Bode



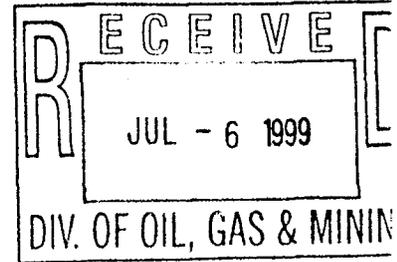
Enclosure



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

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



In Reply Refer To:  
3106  
U-19037 et al  
(UT-932)

JUL 1 1999

### NOTICE

Santa Fe Snyder Corporation : Oil and Gas  
840 Gessner, Suite 1400 :  
Houston, TX 77024 :

Merger Recognized  
Name Change Recognized

Acceptable evidence has been filed in this office concerning the merger of Snyder Oil Corporation into Santa Fe Energy Resources, Inc. and the name being subsequently changed to Santa Fe Snyder Corporation as the surviving entity.

For our purposes the merger and name change are recognized effective June 1, 1999, per company request.

The oil and gas lease files identified on the enclosed exhibits have been noted as to the merger and name change. The exhibits were compiled from lists supplied by Santa Fe Snyder Corporation. We have not adjudicated the case files to determine if the entities affected by the merger and 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 record title or operating rights interest. We are notifying the Minerals Management Service and all applicable BLM offices of the merger and name change by a copy of this notice. If additional documentation for a change of operator are required by our Field Offices, you will be contacted by them.

By recognition of the merger and the name change the principal on bonds held by Snyder and Santa Fe are automatically changed to Santa Fe Snyder Corporation. Riders to Nationwide Bond No. 400JF 5493 (BLM Bond No. UT0855) and Nationwide Bond No. 5473615 (BLM Bond No. WY2912) have been filed in the Utah State Office. It is the request of Santa Fe Snyder Corporation to change the name on BLM Bond No. UT0855 to reflect the merger/name change, and to terminate the period of liability on BLM Bond No. WY2912. A decision regarding this matter will follow in due course.

**Christopher J. Merritt**

Christopher J. Merritt  
Acting Group Leader,  
Minerals Adjudication Group

#### Enclosures

1. Santa Fe Energy Resources, Inc. Exhibit of Leases
2. Snyder Oil Corporation Exhibit of Leases

#### cc:

All State Offices  
Moab Field Office  
Vernal Field Office  
MMS-Reference Data Branch, MS 3130, P.O. Box 5860, Denver, CO 80217  
State of Utah, DOGM, Attn: Kristen Risbeck (Ste. 1210) Box 145801, SLC, UT 84114-5801  
St. Paul Fire & Marine Insurance Co., 385 Washington St., St. Paul, MN 55102  
SAFECO Insurance Company of America, SAFECO Plaza, Seattle, WA 98185  
Santa Fe Snyder Corp., Attn: Phyllis Sobotik, 1625 Broadway, #2200, Denver, CO 80202  
Irene Anderson (UT-932)  
Teresa Thompson (UT-931)

**SNYDER LEASES**

<u>LESSOR</u>	<u>STATE</u>	<u>LESSOR</u>	<u>STATE</u>
USA COC-33237	CO	USA U-0136484	UT
USA COC-36719	CO	USA U-37573	UT
USA LAES 49122	LA	USA U-33433	UT
USA LAES 49123	LA	USA U-47172	UT
USA LAES 49124	LA	USA U-37355	UT
USA LAES 49125	LA	USA UTU-15855	UT
USA LAES 49127	LA	USA U-0142175	UT
USA LAES 49128	LA	USA UTU-02651	UT
USA LAES 49129	LA	USA UTU-02651-B	UT
USA LAES 49130	LA	USA U-34705	UT
USA LAES 49131	LA	USA U-40729	UT
USA LAES 49132	LA	USA U-58097	UT
USA LAES 49133	LA	USA U-30289	UT
USA LAES 49134	LA	USA UTU-72632	UT
USA LAES 49135	LA	USA UTU-73013	UT
USA LAES 49136	LA	USA UTU-64376	UT
USA LAES 49137	LA	USA UTU-38261	UT
USA LAES 49138	LA	USA UTU-28212	UT
USA LAES 49139	LA	USA UTU-28213	UT
USA LAES 49140	LA	USA UTU-38419	UT
USA LAES 49141	LA	USA U-53861	UT
USA LAES 49142	LA	USA UTU-38418	UT
USA LAES 49143	LA	USA UTU-66401	UT
USA LAES 49144	LA	USA U-38423	UT
USA LAES 49145	LA	USA UTU-38425	UT
USA LAES 49146	LA	USA U-38421	UT
USA LAES 49147	LA	USA UTU-38428	UT
USA LAES 49148	LA	USA U-38420	UT
USA LAES 49149	LA	USA UTU-34350	UT
USA LAES 49150	LA	USA UTU-39223	UT
USA LAES 49151	LA	USA U-64923	UT
USA LAES 49152	LA	USA UTU-40736	UT
USA LAES 49153	LA	USA U-075939	UT
USA LAES 49154	LA	USA U-70235	UT
USA LAES 49155	LA	USA UTU-44426	UT
USA LAES 49156	LA	USA UTU-57495	UT
USA LAES 49157	LA	USA UTU-57503	UT
USA LAES 49158	LA	USA UTU-52106	UT
USA LAES 49159	LA	USA UTU-59121	UT
USA LAES 49160	LA	USA UTU-73009	UT
USA LAES 49161	LA	USA UTU-73010	UT
USA LAES 49162	LA	USA UTU-50490	UT
USA LAES 49163	LA	USA UTU-65126	UT
USA LAES 49164	LA	USA UTU-49228	UT
USA LAES 49165	LA	USA UTU-53127	UT
USA LAES 49166	LA	USA UTU-65132	UT
USA LAES 49167	LA	USA UTU-63951	UT
USA LAES 49168	LA	USA UTU-47483	UT
USA LAES 49169	LA	USA UTU-63978	UT
USA LAES 49170	LA	USA UTU-69116	UT
USA LAES 49171	LA	USA UTU-65138	UT

**SNYDER LEASES**

<u>LESSOR</u>	<u>STATE</u>	<u>LESSOR</u>	<u>STATE</u>
USA LAES 49172	LA	USA UTU-54774	UT
USA LAES 49173	LA	USA UTU-71230	UT
USA LAES 49174	LA	USA UTU-71234	UT
USA LAES 49175	LA	USA UTU-44799	UT
USA LAES 49176	LA	USA UTU-57512	UT
USA LAES 49177	LA	USA UTU-53084	UT
USA LAES 49178	LA	USA UTU-53938	UT
USA LAES 49179	LA	USA UTU-61936	UT
USA LAES 49180	LA	USA UTU-47127	UT
USA LAES 49181	LA	USA UTU-53918	UT
USA LAES 49183	LA	USA UTU-47484	UT
USA LAES 49194	LA	USA UTU-53946	UT
USA LAES 49198	LA	USA UTU-53941	UT
USA LAES 49199	LA	USA UTU-42531	UT
USA LAES 49200	LA	USA U-49245	UT
USA LAES 49201	LA	USA U-50802	UT
USA MTM-38582-A	MT	USA UTU-0647	UT
USA MTM-63708	MT	USA UTU-50687	UT
USA M-13323 (ND)	ND	USA UTU-37116	UT
USA M-68863 (SD)	SD	USA UTU-59122	UT
USA UTU-70189	UT	USA UTU-63985	UT
USA UTU-73175	UT	USA UTU-52298	UT
USA UTU-73434	UT	USA UTU-7386	UT
USA UTU-73435	UT	USA UTU-67178	UT
USA UTU-73444	UT	USA UTU-67549	UT
USA UTU-73450	UT	USA UTU-74416	UT
USA U-8345	UT	USA UTU-74413	UT
USA U-14646	UT	USA UTU-73900	UT
USA U-66746	UT	USA UTU-67868	UT
USA UTU-42469	UT	USA UTU-74414	UT
USA U-65222	UT	USA UTU-49530	UT
USA U-61263	UT	USA UTU-53860	UT
USA UTU-29535	UT	USA UTU-34711	UT
USA U-25880	UT	USA UTU-46699	UT
USA U-65223	UT	USA UTU-73643	UT
USA U-29797	UT	USA UTU-0141804	UT
USA UTU-0109054	UT	USA UTU-75091	UT
USA UTU-8346	UT	USA UTU-75097	UT
USA U-8347	UT	USA UTU-74972	UT
USA UTU-8344	UT	USA UTU-75096	UT
USA U-8344-A	UT	USA UTU-74415	UT
USA UTU-8348	UT	USA UTU-38401	UT
USA U-38424	UT	USA UTU-38411	UT
USA U-38427	UT	USA UTU-31260	UT
USA SL-065841-A	UT	USA UTU-59654	UT
USA UTU-31736	UT	USA U-14219	UT
USA U-38426	UT	USA UTU-30123	UT
USA U-44090-A	UT	USA UTU-34714	UT
USA U-71694	UT	USA UTU-10134	UT
USA U-72028	UT	USA UTU-10830	UT
USA U-51026	UT	USA UTU-14223	UT

SANTA FE LEASES

<u>LESSOR</u>	<u>STATE</u>	<u>LESSOR</u>	<u>STATE</u>
BLM NMNM-92488	NM	BLM WYW-59145	WY
BLM NMNM-45235	NM	BLM WYW-43661	WY
BLM NMNM-24877	NM	BLM WYW-0311938	WY
BLM NMNM-93398	NM	BLM WYW-52562	WY
BLM NMNM-96591	NM	BLM WYW EV-022932	WY
BLM NMNM-77894	NM	BLM WYW-27645	WY
BLM NMNM-65900	NM	BLM WYW-043930-A	WY
BLM NMNM-87977	NM	BLM WYW EV-026056	WY
BLM NMNM-65864	NM	BLM WYW-0322610	WY
BLM NMNM-95879	NM	BLM WYW-0320213	WY
BLM NMNM-97394	NM	BLM EV-023313-A	WY
BLM NMNM-98005	NM	BLM WYW-9578	WY
BLM NMNM-98006	NM	BLM WYW-96918	WY
BLM NMNM-98010	NM	BLM WYW-0320078	WY
BLM NMNM-95418	NM	BLM WYW-035599	WY
BLM NMNM-25667	NM	BLM WYW-2120	WY
BLM NMNM-98300	NM	BLM WYEV-024469	WY
BLM NMNM-98033	NM	BLM WYW-0136175	WY
BLM NMNM-998271	NM	BLM WYW-0136177	WY
BLM NMNM-98305	NM	BLM WYW-05991	WY
BLM NMNM-91179	NM	BLM WYW-02736	WY
BLM NMNM-85420	NM	BLM WYW EV-025548	WY
BLM NMNM-100956	NM	BLM EV-023313-E	WY
BLM NMNM-58393	NM	BLM EV-023313-B	WY
BLM OKNM 23555	OK	BLM WYW-21124	WY
BLM NM 15074 (OKLA)	OK	BLM WYW EV-022931	WY
BLM UTU-19037	UT	BLM WYW-61240	WY
BLM UTU-55626	UT	BLM WYW-18480	WY
BLM UTU-38354	UT	BLM WYW-51654	WY
BLM UTU-38401	UT	BLM WYW-50676	WY
BLM UTU-38430	UT	BLM COC-036289 A&B	WY
BLM UTU-42823	UT	BLM WYW-0942	WY
BLM WYEV-026201	WY	BLM WYW-63210	WY
BLM WYW-35860	WY	BLM WYW-66866	WY
BLM WYW-47198	WY	BLM WYW-102793	WY
BLM WYEV-022765	WY	BLM WYW-107726	WY
BLM WYEV-023941	WY	BLM W-70335	WY
BLM WYEV-026196	WY	BLM W-70496	WY
BLM WYEV-026201	WY	BLM W-70326	WY
BLM WYEV-026202	WY	BLM W-55746	WY
BLM WYEV-026204	WY	BLM W-56480	WY
BLM WYEV-026205	WY		
BLM WYEV-026208	WY		
BLM WYEV-026209	WY		
BLM WYW-04674	WY		
BLM WYW-023207	WY		
BLM WYW-023211	WY		
BLM WYW-0268735	WY		
BLM WYCHEY-037066	WY		
BLM WYW-58075	WY		
BLM WYW-17284	WY		
BLM WYW-17296	WY		
BLM WYW-17282(A)	WY		
BLM WYW-55067	WY		

# Santa Fe Snyder Corporation

July 2, 1999

Utah Division of Oil, Gas & Mining  
1594 W. North Temple, Suite 1210  
P. O. Box 145801  
Salt Lake City, Utah 84114-5801

Attn.: Ms. Kristen Risbeck

RE: Company Merger  
Surety Bond Number - JZ 7777  
Operator Number - N2000

Dear Ms. Risbeck:

Snyder Oil Corporation (SOCO) and Santa Fe Energy Resources, Inc. (Santa Fe) have merged to form Santa Fe Snyder Corporation (SFS). The legal acceptance date of the merger is May 5, 1999. However in an effort to simplify documentation issues, SFS requests that June 1, 1999 be used as the effective date of merger.

Please change all operated facilities, Applications to Drill (approved and in process) and any other regulatory filings from Snyder Oil Corporation to Santa Fe Snyder Corporation. Attached is the following information in support of this request.

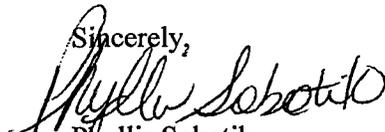
Copy of Merger Certificate  
Copy of the Office of the Secretary of State's Acceptance  
Sundry Notices for Properties Located on Fee or State Land  
Sundry Notice for Federal Properties  
Spreadsheet of all Utah Facilities Operated by SOCO

All correspondence, documents, notifications, etc. should continue to be sent to SFS at the following address

1625 Broadway, Suite 2200  
Denver, CO 80202

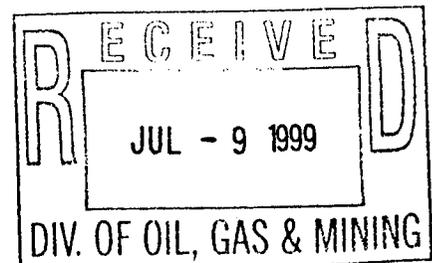
Please inform SFS when this request has been accepted and the changes are finalized. If any questions arise or additional information is required, please contact me at 303-592-8668.

Sincerely,

  
Phyllis Sobotik  
Sr. Regulatory Specialist

/ps  
Enclosures:

1625 Broadway  
Suite 2200  
Denver, Colorado 80202  
303/592-8500  
Fax 303/592-8600



State of Delaware  
Office of the Secretary of State

---

PAGE 1

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

"SNYDER OIL CORPORATION", A DELAWARE CORPORATION,  
WITH AND INTO "SANTA FE ENERGY RESOURCES, INC." UNDER THE NAME OF "SANTA FE SNYDER CORPORATION", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE FIFTH DAY OF MAY, A.D. 1999, AT 11 O'CLOCK A.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



A handwritten signature in cursive script, reading "Edward J. Freel".

Edward J. Freel, Secretary of State

0774411 8100M

991177495

AUTHENTICATION: 9725623

DATE: 05-05-99

## CERTIFICATE OF MERGER

Merger of Snyder Oil Corporation, a Delaware corporation  
With and Into  
Santa Fe Energy Resources, Inc., a Delaware corporation

Pursuant to the provisions of Section 251 of the Delaware General Corporation Law, the undersigned certifies as follows concerning the merger (the "Merger") of Snyder Oil Corporation, a Delaware corporation, with and into Santa Fe Energy Resources, Inc., a Delaware corporation, with Santa Fe Energy Resources, Inc. as the surviving corporation (the "Surviving Corporation").

1. The Agreement and Plan of Merger, dated as of January 13, 1999 (the Agreement and Plan of Merger being hereinafter referred to as the "Merger Agreement") has been approved, adopted, certified, executed and acknowledged by Snyder Oil Corporation and Santa Fe Energy Resources, Inc. in accordance with Section 251 of the Delaware General Corporation Law.

2. The Merger contemplated in the Merger Agreement and this Certificate of Merger will be effective immediately upon the filing of this Certificate of Merger

3. The name of the Surviving Corporation shall be Santa Fe Energy Resources, Inc. which shall be changed herewith to Santa Fe Snyder Corporation.

4. Article FIRST of the Restated Certificate of Incorporation of Santa Fe Energy Resources, Inc. is amended, effective as of the date hereof, to read in its entirety as follows:

"FIRST: The name of the corporation (hereinafter referred to as the "Corporation") is Santa Fe Snyder Corporation."

and that the first paragraph of Article FOURTH of the Restated Certificate of Incorporation of Santa Fe Energy Resources, Inc. is amended, effective as of the date hereof, to read in its entirety as follows:

"FOURTH: The total number of shares of all classes of capital stock which the Corporation shall have authority to issue is 350,000,000, of which 50,000,000 shares shall be Preferred Stock, par value \$.01 per share, and 300,000,000 shares shall be Common Stock, par value \$.01 per share."

The Restated Certificate of Incorporation of Santa Fe Energy Resources, Inc., as amended, in effect at the effective time of the Merger shall be the certificate of incorporation of the

Surviving Corporation.

5. The executed Merger Agreement is on file at the principal place of business of the Surviving Corporation, 1616 South Voss Road, Houston, Texas 77057.

6. A copy of the Merger Agreement will be furnished by the Surviving Corporation, on request and without cost, to any stockholder of Snyder Oil Corporation or Santa Fe Energy Resources, Inc.

Dated this 5th day of May, 1999.

SANTA FE ENERGY RESOURCES, INC.

By: David L. Hicks  
Name: David L. Hicks  
Title: Vice President — Law and  
General Counsel



UTAH FACILITIES

Lease	Unit Name	Tribe Name	Field	Stat	County	1/41/4	S	T	R	Lease Number	Mineral Type	API Number	Comments
Horseshoe Bend #4-10			Horseshoe Bend	INA	Uintah	NW/SE	4	7S	22E	U 0136484	FED	43-047-32577	11728
✓ Horseshoe Bend #36-1P			Horseshoe Bend	ACT	Uintah	SE/SE	36	6S	21E	ML 33225	STATE	43-047-31482	9815
Horseshoe Bend Compressor Site			Horseshoe Bend	ACT	Uintah		4	7S	21E				
Jack Rabbit #1-11			Natural Buttes	INA	Uintah	SW/NE	11	10S	23E	U 38425	FED	43-047-30423	475
✓ L.C.K. #30-1H			Horseshoe Bend	ACT	Uintah	SE/NE	30	6S	21E	N/A	FEE	43-047-31588	10202
Lafkas Federal #1-3			Hill Creek	INA	Uintah	SW/SW	3	11S	20E	U 34350	FED	43-047-31178	1367
Lizzard Creek #1-10			Bitter Creek	ACT	Uintah	NW/NW	10	11S	22E	U 25880	FED	43-047-3148	9870
✓ Lookout Point #1-16			Natural Buttes	ACT	Uintah	NE/SE	16	10S	23E	ML 22186 A	STATE	43-047-30544	1495
Love Unit #1-11	Love		Love	ACT	Uintah	C/SW	11	11S	21E	U 008344 A	FED	43-047-30617	1366
Love Unit #1-12	Love		Love	ACT	Uintah	SW/NW	12	11S	21E	U 008344 A	FED	43-047-30638	1366
Love Unit #4-1	Love		Love	INA	Uintah	NW/SW	4	11S	21E	U 8347	FED	43-047-30640	1366
Love Unit #A1-18	Love		Love	ACT	Uintah	SW/SE	18	11S	21E	U 8348	FED	43-047-30706	1366
Love Unit #B1-10	Love		Love	ACT	Uintah	SE/SW	10	11S	21E	U 8347	FED	43-047-30709	1366
Love Unit #B2-3	Love		Love	INA	Uintah	SW/SW	3	11S	21E	U 8347	FED	43-047-30766	1366
Love Unit Compressor Site			Love	ACT	Uintah			11S	21E				
Madeline #4-3C			Horseshoe Bend	ACT	Uintah	Lot 3	4	7S	21E	U 42469	FED	43-047-32279	11379
McLish #1	Walker Hollow		Walker Hollow (Horseshoe Bend)	ACT	Uintah	SW/SW	8	7S	23E	U 02651	FED	43-047-20280	2760
McLish #2	Walker Hollow		Walker Hollow (Horseshoe Bend)	INA	Uintah	SW/SE	8	7S	23E	U 02651	FED	43-047-30011	2760
McLish #3			Walker Hollow (Horseshoe Bend)	ACT	Uintah	NE/SE	8	7S	23E	U 02651	FED	43-047-30027	12504
McLish #4	Walker Hollow		Walker Hollow (Horseshoe Bend)	INA	Uintah	NE/SW	8	7S	23E	U 02651	FED	43-047-30030	2760
Natural #1-7			Love (Horseshoe Bend)	INA	Uintah	NW/NE	7	11S	21E	U 8345	FED	43-047-30148	6129
No Name Canyon #1-9			Natural Buttes	ACT	Uintah	SE/NE	9	10S	23E	U 37355	FED	43-047-30378	1460
No Name Canyon #2-9			Natural Buttes	ACT	Uintah	NE/NW	8	10S	23E	U 37355	FED	43-047-31504	1468
NSO Federal #1-12			Natural Buttes	ACT	Uintah	NE/NW	12	10S	23E	U 38423	FED	43-047-30560	1480
Pan American #1	Walker Hollow		Walker Hollow (Horseshoe Bend)	INA	Uintah	SW/NW	9	7S	23E	U 02651 A	FED	43-047-30037	
Pan American #2	Walker Hollow		Walker Hollow (Horseshoe Bend)	INA	Uintah	NW/SW	9	7S	23E	U 02651 A	FED	43-047-30038	2760
Pariette Draw #28-44			Windy Ridge West (Eight Mile Flat N.)	ACT	Uintah	SE/SE	28	4S	1E	N/A	FEE	43-047-31408	4960
Pete's Flat #1-1			Natural Buttes	INA	Uintah	NE/SE	1	10S	23E	U 38423	FED	43-047-30558	1510
Sage Hen #1-6			Natural Buttes	INA	Uintah	NE/SE	6	10S	23E	U 38419	FED	43-047-30382	1490
Sagebrush #1-8			Natural Buttes	TAD	Uintah	SW/NE	8	10S	23E	U 37355	FED	43-047-30383	1467
Shepherd #1-10			Natural Buttes	ACT	Uintah	NE/SE	10	10S	23E	U 38424	FED	43-047-30559	1470
Southman Canyon #1-5 (Federal #1-5)			Natural Buttes	ACT	Uintah	SE/NW	5	10S	23E	U 33433	FED	43-047-30856	10689
Southman Canyon #3			Natural Buttes	WDW	Uintah	NE/SE	15	10S	23E	U 66406	FED	43-047-15880	Saltwater Disposal 99990
Southman Canyon #4-4 (Federal #4-4)			Natural Buttes	INA	Uintah	NW/SE	4	10S	23E	U 33433	FED	43-047-30632	10690
Southman Canyon #4-5			Natural Buttes	ACT	Uintah	NE/SE	5	10S	23E	U 33433	FED	43-047-30633	6131
Southman Canyon #9-3M			Natural Buttes	ACT	Uintah	SW/SW	9	10S	23E	U 37355	FED	43-047-32540	11767
Southman Canyon #9-4J			Natural Buttes	ACT	Uintah	NW/SE	9	10S	23E	U 37355	FED	43-047-32541	11685
Southman Canyon #31-1L			Natural Buttes	ACT	Uintah	SW/	31	9S	23E	U 33433	FED	43-047-32543	11678
✓ State #14-16			Brennan Bottom	ACT	Uintah	SW/SW	16	7S	21E	ML 40904	STATE	43-047-31417	8010

# OPERATOR CHANGE WORKSHEET

1-KDR	6-KAS ✓
2-GLH	7-SJ ✓
3-JRB	8-FILE
4-CDW	9- <i>[Signature]</i>
5-KDR ✓	

Attach all documentation received by the division regarding this change.  
 Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold)       Designation of Agent  
 Designation of Operator       Operator Name Change Only (MERGER)

The operator of the well(s) listed below has changed, effective: 6-1-99

TO: (new operator)	<u>SANTE FE SNYDER CORPORATION</u>	FROM: (old operator)	<u>SNYDER OIL CORPORATION</u>
(address)	<u>P.O. BOX 129</u>	(address)	<u>P.O. BOX 129</u>
	<u>BAGGS, WYOMING 82321</u>		<u>BAGGS, WYOMING 82321</u>
Phone:	<u>(307) 383-2800</u>	Phone:	<u>(307) 383-2800</u>
Account no.	<u>N2000 (6-24-99)</u>	Account no.	<u>N1305</u>

WELL(S) attach additional page if needed:      \*HORSESHOE BEND, LOVE, EAST BENCH & WALKER HOLLOW UNITS

Name: <u>*SEE ATTACHED*</u>	API: <u>93-097-30856</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

## OPERATOR CHANGE DOCUMENTATION

- DR 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). *(Rec'd 6.11.99)*
- DR 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). *(Rec'd 6.11.99)*
- DR 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is the company registered with the state? (yes/no) yes If yes, show company file number: #011879
- DR 4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of **Federal** and **Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of steps 5 through 9 below. *(Rec'd 7.6.99)*
- DR 5. Changes have been entered in the Oil and Gas Information System (3270) for each well listed above. *(7.12.99)*
- DR 6. Cardex file has been updated for each well listed above.
- DR 7. Well file labels have been updated for each well listed above. *(new system)*
- DR 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(8.2.99)*
- DR 9. A folder has been set up for the **Operator Change file**, and a copy of this page has been placed there for reference during routing and processing of the original documents.

**ENTITY REVIEW**

- 1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no If entity assignments were changed, attach copies of Form 6, Entity Action Form.
- 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.

**BOND VERIFICATION - (FEE WELLS ONLY)**

- 1. (r649-3-1) The NEW operator of any fee lease well listed above has furnished a proper bond. (rec'd 6.11.99 #J27777)
- 2. A copy of this form has been placed in the new and former operator's bond files.
- 3. The FORMER operator has requested a release of liability from their bond (yes/no) no, as of today's date 6.11.99. If yes, division response was made to this request by letter dated Aug. 12, 1999

**LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY**

- 1. Copies of documents have been sent on 8/12/99 to Ed Bonner at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated \_\_\_\_\_ 19 \_\_, of their responsibility to notify all interest owners of this change.

**FILMING**

- 1. All attachments to this form have been microfilmed. Today's date: 9-29-99.

**FILING**

- 1. Copies of all attachments to this form have been filed in each well file.
- 2. The original of this form, and the original attachments are now being filed in the Operator Change file.

**COMMENTS**

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**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 a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

**U 33433**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

**Southman Canyon #1-5**

9. API Well No.

**43-047-30856**

10. Field and Pool, or Exploratory Area

**Natural Buttes**

11. County or Parish, State

**Uintah, Utah**

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well     Gas Well     Other

2. Name of Operator

**Santa Fe Snyder Corporation**

**Attn.: Phyllis Sobotik**

3. Address and Telephone No.

**1625 Broadway, Suite 2200, Denver, CO 80202**

**303-592-8668**

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

**Sec 5, T10S-R23E    SE/NW  
1341' FNL, 1495' FWL**

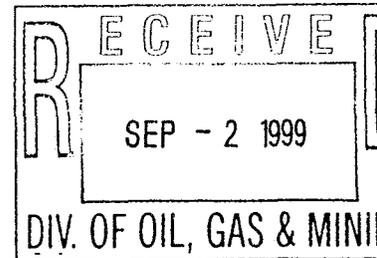
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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

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

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

Santa Fe Snyder Corporation has sold the above referenced property to Coastal Oil & Gas Corporation.  
The effective date of this change is September 1, 1999.  
(Well is also called the Federal #1-5)



Please contact Phyllis Sobotik at 303-592-8668 if you have any questions.

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

Signed

*Phyllis Sobotik*

Title

**Sr. Regulatory Specialist**

Date

**09-Aug-99**

(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**







# 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-931

May 30, 2000

Coastal Oil & Gas Corporation  
Attn: Elsie M. Powell  
Coastal Tower  
Nine Greenway Plaza  
Houston, TX 77046-0995

Re: Successor of Operator  
Communitization Agreement (CA)  
UTU74473 (Sec. 5, 10 S, 23E / W2)  
Uintah County, Utah Fed. 1-5/4304730856

Gentlemen:

We received an indenture dated January 5, 2000, whereby Santa Fe Snyder Corporation resigned as Operator and Coastal Oil & Gas Corporation was designated as Operator for CA UTU74473, Uintah County, Utah.

This indenture was executed by all required parties. The instrument is hereby approved effective May 30, 2000. 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 CA UTU74473.

Your nationwide (Wyoming) oil and gas bond No. 2793 will be used to cover CA operations.

Please advise all interested parties of the change in 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)  
Division Oil, Gas, & Mining  
File - UTU74473 (w/enclosure)  
MMS - Data Management Division  
Agr. Sec. Chron  
Fluid Chron  
UT931:TATHOMPSON:tt:5/30/00

RECEIVED

MAY 31 2000

DIVISION OF  
OIL, GAS AND MINING

OPERATOR CHANGE WORKSHEET

1- <del> </del>	4-KAS ✓
2-CDW ✓	5-SJ
3-JLT ✓	6-FILE

Check each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (Well Sold)                       Designation of Agent
- Operator Name Change Only                               Merger

The operator of the well(s) listed below has changed, effective: 9-1-99

**TO:**(New Operator) COASTAL OIL & GAS CORP  
 Address: P. O. BOX 1148  
VERNAL, UT 84078  
 Phone: 1-(435)-781-7021  
 Account No. N0230

**FROM:**(Old Operator) SANTA FE SNYDER CORP  
 Address: 1625 BROADWAY SUITE 2200  
DENVER, CO 80202  
 Phone: 1-(303)-592-8668  
 Account No. N2000

**WELL(S):** CA No. CR-201 & UTU 74473 or \_\_\_\_\_ **Unit**

Name: <u>LAFKAS FEDERAL 1-3</u>	API: <u>43-047-31178</u>	Entity: <u>1367</u>	S <u>3</u>	T <u>11S</u>	R <u>20E</u>	Lease: <u>U-34350</u>
Name: <u>SOUTHMAN CANYON 1-5</u>	API: <u>43-047-30856</u>	Entity: <u>10689</u>	S <u>5</u>	T <u>10S</u>	R <u>23E</u>	Lease: <u>U-33433</u>
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

OPERATOR CHANGE DOCUMENTATION

- YES 1. A pending operator change file has been set up.
- YES 2. (R649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator on 9-2-99.
- YES 3. (R649-8-10) Sundry or other legal documentation has been received from the **NEW** operator on 9-24-99.
- YES 4. The new company has been looked up in the **Department of Commerce, Division of Corporations Database** if the new operator above is not currently operating any wells in Utah. Is the operator registered with the State? Yes/No If yes, the company file number is 049324. If no, Division letter was mailed to the new operator on \_\_\_\_\_.
- YES 5. **Federal and Indian Lease Wells.** The BLM or the BIA has approved the merger, name change or **operator change** for all wells listed above involving Federal or Indian leases on 5-30-00.
- N/A 6. **Federal and Indian Units.** The BLM or the BIA has approved the successor of unit operator for all wells listed above involving unit operations on \_\_\_\_\_.
- YES 7. **Federal and Indian Communitization Agreements ("CA").** The BLM or the BIA has approved the operator change for all wells listed above involved in the CA on \_\_\_\_\_.

N/A 8. **Underground Injection Control ("UIC") Program.** The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project and/or for the water disposal well(s) listed above.

YES 9. Changes have been entered in the **Oil and Gas Information System** for each well listed on 6-8-00.

YES 10. Changes have been included on the **Monthly Operator Change letter** on 6-8-00.

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### STATE BOND VERIFICATION

N/A 1. State Well(s) covered by Bond No. \_\_\_\_\_.

---

### FEE WELLS - BOND VERIFICATION / LEASE INTEREST OWNER NOTIFICATION

N/A 1. (R649-3-1) The **NEW** operator of any fee lease well(s) listed above has furnished a proper bond.

N/A 2. A **copy of this form** has been placed in the **new and former operator's bond files** on \_\_\_\_\_.

N/A 3. The **FORMER** operator has requested a release of liability from their bond as of today's date \_\_\_\_\_? If yes, Division response was made to this request by letter dated \_\_\_\_\_. (see bond file).

N/A 4. (R649-2-10) The **Former** operator of any Fee lease wells listed above has been contacted and informed by letter dated \_\_\_\_\_, of their responsibility to notify all interest owners of this change.

N/A 5. Bond information added to **RBDMS** on \_\_\_\_\_.

N/A 6. Fee wells attached to bond in **RBDMS** on \_\_\_\_\_.

---

### FILMING

\_\_\_\_\_ 1. All attachments to this form have been **microfilmed** on 3-26-01.

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### FILING

\_\_\_\_\_ 1. **Originals/Copies** of all attachments pertaining to each individual well have been filed in each **well file**.

\_\_\_\_\_ 2. The **original of this form** has been filed in the operator file and a copy in the old operator file.

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### COMMENTS

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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:
4. LOCATION OF WELL FOOTAGES AT SURFACE: _____ COUNTY: _____ QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____ STATE: UTAH		8. WELL NAME and NUMBER: Exhibit "A"
PHONE NUMBER: 435-789-4433		9. API NUMBER:
		10. FIELD AND POOL, OR WILDCAT:

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

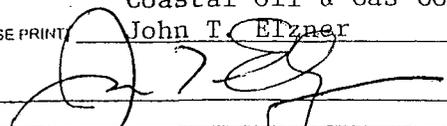
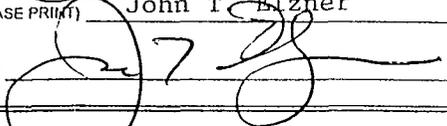
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT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

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

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

See Exhibit "A"

Bond # 400JU0708

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

(This space for State use only)

RECEIVED

JUN 19 2001

DIVISION OF  
OIL, GAS AND MINING

State of Delaware  
Office of the Secretary of State

---

PAGE 1

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

RECEIVED

JUN 14 2001

DIVISION OF  
OIL, GAS AND MINING



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

0610204 8100

AUTHENTICATION: 1061007

010162788

DATE: 04-03-01

CERTIFICATE OF AMENDMENT

OF

CERTIFICATE OF INCORPORATION

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

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

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

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

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

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

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

COASTAL OIL & GAS CORPORATION

David L. Siddall
Vice President

Attest:

Margaret E. Roark
Margaret E. Roark, Assistant Secretary

RECEIVED

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

JUN 19 2001

DIVISION OF
OIL, GAS AND MINING



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

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

**RECEIVED**

JUL 12 2001

**DIVISION OF  
OIL, GAS AND MINING**

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

JUL 10 2001

### NOTICE

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

#### Name Change Recognized

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

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

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

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

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



Opolonia L. Abeyta  
Acting Chief, Branch of  
Minerals Adjudication

Enclosure

1. Exhibit of Leases (1 pp)

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

### Exhibit of Leases

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

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

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

Enter date after each listed item is completed

Change of Operator (Well Sold)

Designation of Agent

Operator Name Change (Only)

**X** Merger

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

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

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

**CA No.**

**Unit:**

**WELL(S)**

NAME	API NO	ENTITY NO	SEC TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
PETES FLAT 1-1	43-047-30558	1510	01-10S-23E	FEDERAL	GW	S
FEDERAL 4-4	43-047-30632	10690	04-10S-23E	FEDERAL	GW	P
SOUTHMAN CANYON 4-5	43-047-30633	6131	05-10S-23E	FEDERAL	GW	P
FEDERAL 1-5 (CA 74473)	43-047-30856	10689	05-10S-23E	FEDERAL	GW	P
SAGE HEN 1-6 (CA CR-3)	43-047-30382	1490	06-10S-23E	FEDERAL	GW	P
FLAT MESA 1-7	43-047-30365	1505	07-10S-23E	FEDERAL	GW	P
FLAT MESA 2-7	43-047-30545	1506	07-10S-23E	FEDERAL	GW	P
SAGE BRUSH 1-8	43-047-30383	1467	08-10S-23E	FEDERAL	GW	TA
NO NAME CANYON 1-9	43-047-30378	1466	09-10S-23E	FEDERAL	GW	P
NO NAME CANYON 2-9	43-047-31504	1468	09-10S-23E	FEDERAL	GW	P
SOUTHMAN CANYON 9-3M	43-047-32540	11767	09-10S-23E	FEDERAL	GW	P
SOUTHMAN CANYON 9-4-J	43-047-32541	11685	09-10S-23E	FEDERAL	GW	P
SHEEPHERDER 1-10 (CA CR-5)	43-047-30559	1470	10-10S-23E	FEDERAL	GW	P
JACK RABBIT 1-11 (CA CR-23)	43-047-30423	1475	11-10S-23E	FEDERAL	GW	S
NSO FEDERAL 1-12 (CA CR-22)	43-047-30560	1480	12-10S-23E	FEDERAL	GW	P
WHITE RIVER 1-14	43-047-30481	1500	14-10S-23E	FEDERAL	GW	P
CLIFF EDGE 1-15	43-047-30462	1524	15-10S-23E	FEDERAL	GW	TA
BONANZA FEDERAL 3-15	43-047-31278	8406	15-10S-23E	FEDERAL	GW	P
CROOKED CANYON 1-17	43-047-30369	1465	17-10S-23E	FEDERAL	GW	S
CANYON VIEW FEDERAL 1-18	43-047-30379	1485	17-10S-23E	FEDERAL	GW	P

**OPERATOR CHANGES DOCUMENTATION**

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

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

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**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 08/23/2001
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 08/23/2001
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

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**FEDERAL BOND VERIFICATION:**

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

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

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

---

**FILMING:**

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

---

**FILING:**

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

---

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

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JAN. 17. 2003 3:34PM

PORT

NO. 173 P. 2

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

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

**February 1, 2002**

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

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

**Dear Ms. Maxwell:**

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

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

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

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

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

*Debby J. Black*  
Debby J. Black  
Engineer Technician

Encl:



United States Department of the Interior

RECEIVED

BUREAU OF LAND MANAGEMENT

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

FEB 22 2002

DIVISION OF  
OIL, GAS AND MINING

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

FEB 21 2002

NOTICE

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

Name Change Recognized

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

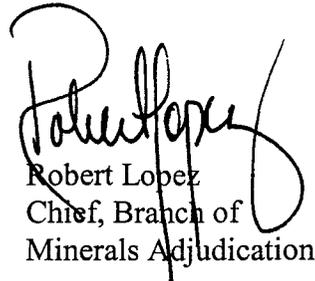
For our purposes, the name change is recognized effective December 31, 2001.

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

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

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

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



Robert Lopez  
Chief, Branch of  
Minerals Adjudication

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

# memorandum

Branch of Real Estate Services  
Uintah & Ouray Agency

Date: 5 December, 2002

Reply to  
Attn of: Supervisory Petroleum Engineer

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

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

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

We have no objection.

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

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

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

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





# 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

January 9, 2003

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

Re: Successor of Operator  
Communitization Agreement (CA)  
UTU74473  
Uintah County, Utah

Gentlemen:

We received an indenture dated June 1, 2002, whereby El Paso Production Oil and Gas Company resigned as Operator and Westport Oil and Gas Company, L.P. was designated as Operator for CA UTU74473, Uintah County, Utah.

This indenture was executed by all required parties. The instrument is hereby approved effective January 9, 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 CA UTU74473.

Your nationwide (Colorado) oil and gas bond No. 1203 will be used to cover CA operations.

Please advise all interested parties of the change in 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)  
Division Oil, Gas, & Mining  
File - UTU74473 (w/enclosure)  
Agr. Sec. Chron  
Fluid Chron  
UT922:TATHOMPSON:tt:1/9/03

RECEIVED

JAN 10 2003

DIV. OF OIL, GAS & MINING

## Results of query for MMS Account Number UTU74473

Production	API Number	Operator	Well Name	Well Status	Lease or CA Number	Inspection Item	Township	Range	Section	Quarter/Quarter	Fi Na
Production	4304730856	EL PASO PROD OIL & GAS CO	1-5 FEDERAL	GSI	UTU33433	UTU74473	10S	23E	5	SENW	NAT BUT

*DISCLAIMER for online data: No warranty is made by the BLM for use of the data for purposes not intended by the BLM.*



# 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

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: 9 Greenway Plaza Houston TX 77064-0995		7. UNIT or CA AGREEMENT NAME:
PHONE NUMBER: (832) 676-5933		8. WELL NAME and NUMBER: Exhibit "A"
4. LOCATION OF WELL		9. API NUMBER:
FOOTAGES AT SURFACE:		10. FIELD AND POOL, OR WILDCAT:
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		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"/> 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	

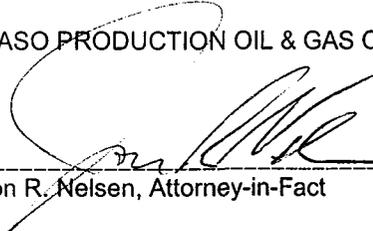
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

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

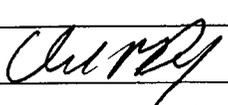
EL PASO PRODUCTION OIL & GAS COMPANY

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well  
 Oil Well  Gas Well  Other

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

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

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

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

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

6. If Indian, Allottee or Tribe Name

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

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

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

10. Field and Pool, or Exploratory Area

11. County or Parish, State  
 UTAH COUNTY, UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)
<input type="checkbox"/> 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

SUCCESSOR OF  
OPERATOR

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

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

RECEIVED

MAR 04 2003

DIV. OF OIL, GAS & MINING

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

Name (Printed/Typed)  
CHERYL CAMERON

Title  
OPERATIONS

Signature  
*Cheryl Cameron*

Date  
March 4, 2003

THIS SPACE FOR FEDERAL OR STATE USE

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

Office \_\_\_\_\_

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

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

(Instructions on reverse)

**OPERATOR CHANGE WORKSHEET**

1. GLH
2. CDW <input checked="" type="checkbox"/>
3. FILE

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

Designation of Agent/Operator

Operator Name Change

Merger

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

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

**CA No.**

**Unit:**

**WELL(S)**

NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
UTE TRAIL U 1	08-09S-22E	43-047-15377	2903	FEDERAL	GW	PA
NBU 73	17-09S-22E	43-047-31102	99998	FEDERAL	GW	PA
NBU 61	21-09S-22E	43-047-30900	99998	FEDERAL	GW	PA
STATE 1-32	32-09S-22E	43-047-34317	13419	STATE	GW	P
BITTER CREEK 1	34-09S-22E	43-047-15374	99998	FEDERAL	GW	PA
PETES FLAT 1-1	01-10S-23E	43-047-30558	1510	FEDERAL	GW	S
SOUTHMAN CANYON 4-4 (FED)	04-10S-23E	43-047-30632	10690	FEDERAL	GW	P
BONANZA 4-6	04-10S-23E	43-047-34751	99999	FEDERAL	GW	APD
SOUTHMAN CANYON 4-5	05-10S-23E	43-047-30633	6131	FEDERAL	GW	P
SOUTHMAN CANYON 1-5 (UTU-74473)	05-10S-23E	43-047-30856	10689	FEDERAL	GW	P
SAGE HEN FEDERAL 1-6 (CR-3)	06-10S-23E	43-047-30382	1490	FEDERAL	GW	S
FLAT MESA FEDERAL 1-7	07-10S-23E	43-047-30365	1505	FEDERAL	GW	S
FLAT MESA FEDERAL 2-7	07-10S-23E	43-047-30545	1506	FEDERAL	GW	P
SAGEBRUSH FEDERAL 1-8	08-10S-23E	43-047-30383	1467	FEDERAL	GW	TA
BONANZA 8-2	08-10S-23E	43-047-34087	99999	FEDERAL	GW	APD
BONANZA 8-3	08-10S-23E	43-047-34770	99999	FEDERAL	GW	APD
NO NAME CANYON FEDERAL 1-9	09-10S-23E	43-047-30378	1466	FEDERAL	GW	P
NO NAME CANYON FEDERAL 2-9	09-10S-23E	43-047-31504	1468	FEDERAL	GW	P
SOUTHMAN CANYON 9-3-M	09-10S-23E	43-047-32540	11767	FEDERAL	GW	S
SOUTHMAN CANYON 9-4-J	09-10S-23E	43-047-32541	11685	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: 01/09/2003

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: 03/27/2003

2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 03/27/2003

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.  
**SEE ATTACHED**

6. If Indian, Allottee or Tribe Name

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

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

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

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

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

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

1. Type of Well  
 Oil Well  Gas Well  Other

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

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

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

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

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

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

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

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

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

**APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING**  
 DATE: 8/20/2004  
 BY: D. S. [Signature]

**COPY SENT TO OPERATOR**  
 Date: 8-24-04  
 Initials: [Signature]

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

Name (Printed/Typed) Sheila Upchegg Title Regulatory Analyst

Signature [Signature] Date May 25, 2004

**Federal Approval Of This Action Is Necessary**

**THIS SPACE FOR FEDERAL OR STATE USE**

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

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

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

**RECEIVED**  
**JUN 03 2004**  
 DIV. OF OIL, GAS & MINING

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

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

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

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

69 total wells



State of Utah

Department of  
Natural Resources

Division of  
Oil, Gas & Mining

ROBERT L. MORGAN  
*Executive Director*

LOWELL P. BRAXTON  
*Division Director*

MICHAEL O. LEAVITT  
*Governor*

OLENE S. WALKER  
*Lieutenant Governor*

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

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

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

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

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

Dustin K. Doucet  
Petroleum Engineer

August 20, 2004

Date

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

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

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

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

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

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

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

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**

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.  
MULTIPLE WELLS- SEE ATTACHED

8. Well Name and No.  
MULTIPLE WELLS- SEE ATTACHED

9. API Well No.  
MULTIPLE WELLS- SEE ATTACHED

10. Field and Pool, or Exploratory Area  
BONANZA/SOUTHMAN CANYON

11. County or Parish, State  
UINTAH COUNTY, UTAH

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, UTAH 84078

3b. Phone No. (include area code)  
435-781-7060

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 checked="" type="checkbox"/> Other <u>VARIANCE</u>
	<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 recompleate 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 recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

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

The volume lost to shrinkage by dropping the tank pressure from 6 ozs. To 0 psig is shown to be 0.3% of the tank volume. This was determined by lab analysis of a representative sample from the field. The sample shrunk from 98.82% of original volume to 98.52% when the pressure was dropped. The average 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) DEBRA DOMENICI	Title ENVIRONMENTAL ASSISTANT
Signature <i>Debra Domenici</i>	Date July 9, 2004

THIS SPACE FOR FEDERAL OR STATE USE

Approved by	Title	Date
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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.

Accepted by the  
Utah Division of  
Oil, Gas and Mining

Federal Approval Of This  
Action Is Necessary

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

(Instructions on reverse)

COPY SENT TO OPERATOR  
Date: 7-16-04  
Initials: CHD

Date: 7-16-04  
By: *[Signature]*  
RECEIVED  
JUL 14 2004

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

**Project Economics Worksheet**

**Instructions:** Fill in blue boxed 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
PULLING UNIT SERVICE			\$0
WIRELINE SERVICE			\$0
SUBSURF EQUIP REPAIRS			\$0
COMPANY LABOR			\$0
CONTRACT LABOR	\$0	\$200	\$200
CONTR SERVICE			\$0
LEASE FUEL GAS	\$0	\$0	\$0
UTILITIES - ELECTRICITY	\$0	\$0	\$0
CHEMICAL TREATING			\$0
MATERIAL & SUPPLY	\$0	\$150	\$150
WATER & HAULING			\$0
ADMINISTRATIVE COSTS			\$0
GAS PLANT PROCESSING			\$0
<b>Totals</b>	<b>\$0</b>	<b>\$350</b>	<b>\$350 Increased OPX Per Year</b>

**Investment Breakdown:**

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

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

**Production & OPX Detail:**

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

**Project Life:**

Life = **20.0** Years  
(Life no longer than 20 years)

**Internal Rate of Return:**

After Tax IROR = **#DIV/0!**

**AT Cum Cashflow:**

Operating Cashflow = **(\$2,917)** (Discounted @ 10%)

**Payout Calculation:**

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

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

Payout = **NEVER** Years or **#VALUE!** Days

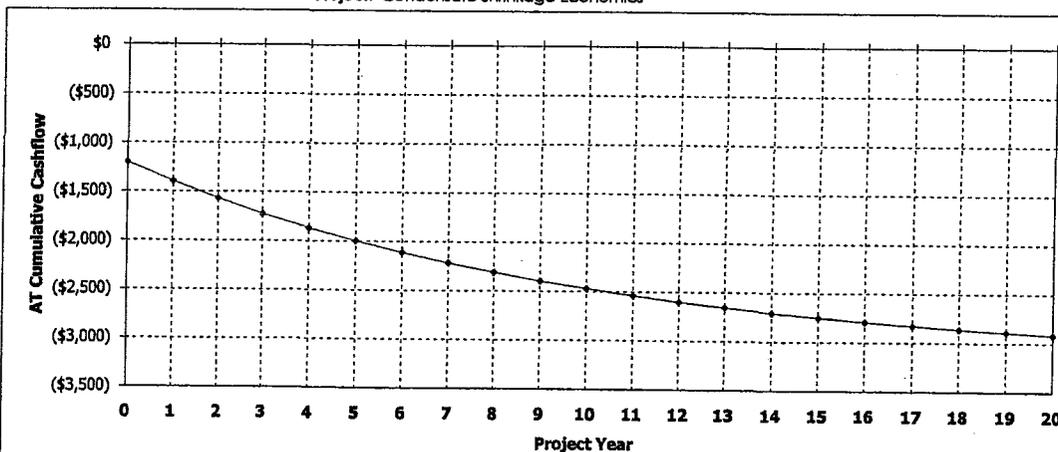
**Gross Reserves:**

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

**Notes/Assumptions:**

**An average NBU well produces 0.192 bcpd with no tank pressure. The production is increased to 0.196 bcpd if 6 ozs of pressure are placed on the tank. The increased production does not payout the valve cost or the estimated annual maintenance costs.**

**Project: Condensate Shrinkage Economics**



**Westport Oil and Gas, Inc.**

**NBU/Ouray Field**

RFL 2003-022

**COMPARISON OF FLASH BACK PRESSURES**

Calculated by Characterized Equation-of-State

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

**Calculated at Laboratory Flash Conditions**

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

**Calculated Flash with Backpressure using Tuned EOS**

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

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

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

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

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

# ALL WELLS ROCKY MOUNTAIN GAS- BONANZA/SOUTHMAN CANYON ENARDO VARIANCE

WELL	LEGALS				STF LEASE NO	CA NUMBER	API NO
	SEC	TWN	RGE	QTR/QTR			
BONANZA 04-06	4	10S	23E	NESW	U-33433	UTU33433	430473475100S1
BONANZA 06-02	6	10S	23E	NESW	UTU38419	UTU38419	430473484300S1
BONANZA 08-02	8	10S	23E	SESE	UTU37355	UTU37355	430473408700S1
BONANZA 08-03	8	10S	23E	NWNW	U-37355	UTU37355	430473477000S1
BONANZA 09-05	9	10S	23E	SESW	U-37355	UTU37355	430473486600S1
BONANZA 09-06	9	10S	23E	NWNE	U-37355	UTU37355	430473477100S1
BONANZA 10-02	10	10S	23E	NWNW	U72028	UTU80201	430473470400S1
BONANZA 10-03	10	10S	23E	NWNE	UTU38261	CR-5	430473472800S1
BONANZA 10-04	10	10S	23E	SENE	UTU40736	CR-5	430473477200S1
BONANZA 1023-4E	4	10S	23E	SWNW	U-33433		43047353920S1
BONANZA 1023-6C	6	10S	23E	NENW	U-38419	UTU38419	430473515300S1
BONANZA 1023-7B	7	10S	23E	NWNE	U-38420	UTU38420	430473517200S1
BONANZA 1023-7L	7	10S	23E	NWSW	U-38420		430473528900S1
BONANZA 11-02	11	10S	23E	SWNW	UTU38425	CR-23	430473477300S1
BONANZA FEDERAL 03-15	15	10S	23E	NENW	UTU38428	UTU38428	430473127800S1
CANYON VIEW FEDERAL 1-18	18	10S	23E	SENE	UTU38421	UTU38421	430473037900S1
CROOKED CYN FED 1-17	17	10S	23E	NESW	UTU37355	UTU37355	430473036900S1
FLAT MESA FEDERAL 1-7	7	10S	23E	NWSE	UTU38420	UTU38420	430473036500S1
FLAT MESA FEDERAL 2-7	7	10S	23E	SENE	UTU38420	UTU38420	430473054500S1
JACK RABBIT 1-11	11	10S	23E	SWNE	UTU38425	CR-23	430473042300S1
LOOKOUT POINT STATE 1-16	16	10S	23E	NESE	ML22186A		430473054400S1
NO NAME CANYON 1-9	9	10S	23E	SENE	UTU037355	UTU37355	430473037800S1
NO NAME CANYON 2-9	9	10S	23E	NENW	UTU037355	UTU37355	430473150400S1
NSO FEDERAL 1-12	12	10S	23E	NENW	UTU38423	CR-22	430473056000S1
PETE'S FLAT 1-1	1	10S	23E	NESE	UTU40736		430473055800S1
SAGE HEN FEDERAL 1-6	6	10S	23E	NESE	UTU38419	CR-3	430473038200S1
SAGEBRUSH FEDERAL 1-8	8	10S	23E	SWNE	UTU37355	UTU37355	430473038300S1
SHEEPHERDER FEDERAL 1-10	10	10S	23E	NESE	UTU38424	CR-5	430473055900S1
SOUTHMAN CANYON 01-05 FED	5	10S	23E	SENE	UTU33433	UTU74473	430473085600S1
SOUTHMAN CANYON 04-04	4	10S	23E	NWSE	UTU33433	UTU33433	430473063200S1
SOUTHMAN CANYON 04-05	5	10S	23E	NESE	UTU33433	UTU33433	430473063300S1
SOUTHMAN CANYON 09-03M	9	10S	23E	SWSW	UTU37355	UTU37355	430473254000S1
SOUTHMAN CANYON 09-04J	9	10S	23E	NWSE	UTU37355	UTU37355	430473254100S1
SOUTHMAN CANYON 31-01-L	31	09S	23E	NWSW	UTU33433	UTU74898	430473254300S1
SOUTHMAN CANYON 31-02X	31	09S	23E	NWNW	UTU33433	UTU33433	430473489800S1
SOUTHMAN CANYON 31-03	31	09S	23E	SENE	UTU33433	UTU33433	430473472600S1
SOUTHMAN CANYON 31-04	31	09S	23E	SESW	UTU33433		430473472700S1
SOUTHMAN CANYON 923-31B	31	09S	23E	NWNE	U-33433	UTU33433	430473515000S1
SOUTHMAN CANYON 923-31J	31	09S	23E	NWSE	U-33433	UTU33433	430473514900S1
SOUTHMAN CANYON 923-31P	31	09S	23E	SESE	U-33433		430473528800S1
SOUTHMAN CANYON SWD #3	15	10S	23E	NESE	UTU-38427		430471588000S1
WHITE RIVER 1-14	14	10S	23E	NENW	UTU38427	UTU38427	430473048100S1

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**

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.

MULTIPLE WELLS- SEE ATTACHED

8. Well Name and No.

MULTIPLE WELLS- SEE ATTACHED

9. API Well No.

MULTIPLE WELLS- SEE ATTACHED

10. Field and Pool, or Exploratory Area

MULTIPLE WELLS- SEE ATTACHED

11. County or Parish, State

UINTAH COUNTY, UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 checked="" type="checkbox"/> Water Disposal	

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

WESTPORT OIL & GAS COMPANY RESCINDS ANY PREVIOUSLY APPROVED DISPOSAL SITES AND PROPOSES THAT ANY PRODUCED WATER FROM THE ATTACHED LIST OF WELLS WILL BE CONTAINED IN A WATER TANK AND WILL THEN BE HAULED BY TRUCK TO ONE OF THE FOLLOWING PRE-APPROVED DISPOSAL SITES: DALBO, INC.; RNI, SEC. 5-T9S-R22E; ACE OILFIELD, SEC. 2-T6S-R20E; SOUTHMAN CANYON #3 SWD, SEC. 15-T10S-R23E, API NO. 4304715880000S1; AND DIRTY DEVIL FEDERAL 14-10 SWD, SWC. 10-T9S-R24E, API NO. 430473056600S1.

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

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

Name (Printed/Typed)

DEBRA DOMENICI

Title

ENVIRONMENTAL ASSISTANT

Signature

*Debra Domenici*

Date

July 12, 2004

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by

Title

Date

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

Office

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

**RECEIVED**

(Instructions on reverse)

**JUL 14 2004**

DIV. OF OIL, GAS & MINING

WELL	LEGALS				STF LEASE NO	CA NUMBER	API NO
	SEC	TWN	RGE	QTR/QTR			
SOUTHMAN CANYON 04-04	4	10S	23E	NWSE	UTU33433	UTU33433	430473063200S1
SOUTHMAN CANYON 04-05	5	10S	23E	NESE	UTU33433	UTU33433	430473063300S1
SOUTHMAN CANYON 09-03M	9	10S	23E	SWSW	UTU37355	UTU37355	430473254000S1
SOUTHMAN CANYON 09-04J	9	10S	23E	NWSE	UTU37355	UTU37355	430473254100S1
SOUTHMAN CANYON 31-01-L	31	09S	23E	NWSW	UTU33433	UTU74898	430473254300S1
SOUTHMAN CANYON 31-02X	31	09S	23E	NWNW	UTU33433	UTU33433	430473489800S1
SOUTHMAN CANYON 31-03	31	09S	23E	SESW	UTU33433	UTU33433	430473472600S1
SOUTHMAN CANYON 31-04	31	09S	23E	SESW	UTU33433		430473472700S1
SOUTHMAN CANYON 923-31B	31	09S	23E	NWNE	U-33433	UTU33433	430473515000S1
SOUTHMAN CANYON 923-31J	31	09S	23E	NWSE	U-33433	UTU33433	430473514900S1
SOUTHMAN CANYON 923-31P	31	09S	23E	SESE	U-33433		430473528800S1
SOUTHMAN CANYON SWD #3	15	10S	23E	NESE	UTU-38427		430471588000S1
WHITE RIVER 1-14	14	10S	23E	NENW	UTU38427	UTU38427	430473048100S1

WELL	LEGALS				STF LEASE NO	CA NUMBER	API NO
	SEC	TWN	RGE	QTR/QTR			
BONANZA 04-06	4	10S	23E	NESW	U-33433	UTU33433	430473475100S1
BONANZA 06-02	6	10S	23E	NESW	UTU38419	UTU38419	430473484300S1
BONANZA 08-02	8	10S	23E	SESE	UTU37355	UTU37355	430473408700S1
BONANZA 08-03	8	10S	23E	NWNW	U-37355	UTU37355	430473477000S1
BONANZA 09-05	9	10S	23E	SESW	U-37355	UTU37355	430473486600S1
BONANZA 09-06	9	10S	23E	NWNE	U-37355	UTU37355	430473477100S1
BONANZA 10-02	10	10S	23E	NWNW	U72028	UTU80201	430473470400S1
BONANZA 10-03	10	10S	23E	NWNE	UTU38261	CR-5	430473472800S1
BONANZA 10-04	10	10S	23E	SENE	UTU40736	CR-5	430473477200S1
BONANZA 1023-2A	2	10S	23E	NENE	ML47062		430473534700S1
BONANZA 1023-2C	2	10S	23E	NENW	ML47062		430473534600S1
BONANZA 1023-2E	2	10S	23E	SWNW	ML47062		430473534500S1
BONANZA 1023-4E	4	10S	23E	SWNW	U-33433		430473539200S1
BONANZA 1023-6C	6	10S	23E	NENW	U-38419	UTU38419	430473515300S1
BONANZA 1023-7B	7	10S	23E	NWNE	U-38420	UTU38420	430473517200S1
BONANZA 1023-7L	7	10S	23E	NWSW	U-38420		430473528900S1
BONANZA 11-02	11	10S	23E	SWNW	UTU38425	CR-23	430473477300S1
BONANZA FEDERAL 03-15	15	10S	23E	NENW	UTU38428	UTU38428	430473127800S1
CANYON VIEW FEDERAL 1-18	18	10S	23E	SENE	UTU38421	UTU38421	430473037900S1
CIGE 008	35	09S	22E	SWSE	UTU010954A	891008900A	430473042700S1
CIGE 009	36	09S	22E	NWSE	ML22650	891008900A	430473041900S1
CIGE 010	2	10S	22E	NWSE	ML22651	891008900A	430473042500S1
CIGE 031	1	10S	22E	SWNW	U011336	891008900A	430473051100S1
CIGE 062D	36	09S	22E	NWSW	ML22650	891008900A	430473088500S1
CIGE 067A	2	10S	22E	NENE	ML22651	891008900A	430473093800S1
CIGE 068D	35	09S	22E	NWSW	UTU010954A	891008900A	430473095100S1
CIGE 089D	34	09S	22E	SENE	UTU0149077	891008900A	430473114600S1
CIGE 105D	1	10S	22E	NENW	U011336	891008900A	430473175800S1
CIGE 118	35	09S	22E	NESE	UTU010954A	891008900A	430473202500S1
CIGE 144	2	10S	22E	SWNE	ML22651	891008900A	430473202200S1
CIGE 147	36	09S	22E	SESW	ML22650	891008900A	430473202000S1
CIGE 153	35	09S	22E	SESW	UTU010954A	891008900A	430473206700S1
CIGE 161	2	10S	22E	SESE	ML22651	891008900A	430473216800S1
CIGE 162	36	09S	22E	SESE	ML22650	891008900A	430473216400S1
CIGE 186	35	09S	22E	NWSE	UTU010954A	891008900A	430473259000S1
CIGE 193	35	09S	22E	SESE	UTU010954A	891008900A	430473297300S1
CIGE 194	1	10S	22E	SWNW	U011336	891008900A	430473293200S1
CIGE 195	2	10S	22E	NWNE	ML22651	891008900A	430473279700S1
CIGE 212	34	09S	22E	NENE	UTU0149077	891008900A	430473293800S1
CIGE 221	36	09S	22E	SWSW	ML22650	891008900A	430473286800S1
CIGE 222	36	09S	22E	NESW	ML22650	891008900A	430473286900S1
CIGE 223	1	10S	22E	NWNW	U011336	891008900A	430473298300S1
CLIFF EDGE 1-15	15	10S	23E	NWSE	UTU38427	UTU38427	430473046200S1
CROOKED CYN FED 1-17	17	10S	23E	NESW	UTU37355	UTU37355	430473036900S1
FLAT MESA FEDERAL 1-7	7	10S	23E	NWSE	UTU38420	UTU38420	430473036500S1
FLAT MESA FEDERAL 2-7	7	10S	23E	SENE	UTU38420	UTU38420	430473054500S1
JACK RABBIT 1-11	11	10S	23E	SWNE	UTU38425	CR-23	430473042300S1
LOOKOUT POINT STATE 1-16	16	10S	23E	NESE	ML22186A		430473054400S1
NBU 024N2	12	10S	22E	SESE	U01197A	891008900A	430473053500S1
NBU 038N2	13	10S	22E	NWSW	U06512	891008900A	430473053600S1
NBU 1022-1G	1	10S	22E	SWNE	U-11336	891008900A	430473517500S1
NBU 922-35K	35	09S	22E	NESW	UTU-010954A	891008900A	430473512600S1
NBU 922-36I	36	09S	22E	NESE	ML-22650	891008900A	430473510700S1
NO NAME CANYON 1-9	9	10S	23E	SENE	UTU037355	UTU37355	430473037800S1
NO NAME CANYON 2-9	9	10S	23E	NENW	UTU037355	UTU37355	430473150400S1
NSO FEDERAL 1-12	12	10S	23E	NENW	UTU38423	CR-22	430473056000S1
PETE'S FLAT 1-1	1	10S	23E	NESE	UTU40736		430473055800S1
SAGE HEN FEDERAL 1-6	6	10S	23E	NESE	UTU38419	CR-3	430473038200S1
SAGEBRUSH FEDERAL 1-8	8	10S	23E	SWNE	UTU37355	UTU37355	430473038300S1
SHEEPHERDER FEDERAL 1-10	10	10S	23E	NESE	UTU38424	CR-5	430473055900S1
SOUTHMAN CANYON 01-05 FED	5	10S	23E	SENE	UTU33433	UTU74473	430473085600S1

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.  
MULTIPLE WELLS- SEE ATTACHED

8. Well Name and No.  
MULTIPLE WELLS- SEE ATTACHED

9. API Well No.  
MULTIPLE WELLS- SEE ATTACHED

10. Field and Pool, or Exploratory Area  
MULTIPLE WELLS- SEE ATTACHED

11. County or Parish, State  
UINTAH COUNTY, UTAH

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

1. Type of Well  
 Oil Well  Gas Well  Other

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

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

3b. Phone No. (include area code)  
**435-781-7060**

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 checked="" type="checkbox"/> Water Disposal	

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

Westport Oil & Gas Company rescinds any previously approved disposal sites and proposes that any produced water from the attached list of wells on Exhibit A will be contained in a water tank and will then be hauled by truck to one of the following pre-approved disposal sites: Dalbo, Inc. Disposal Pit; RNI Disposal Pit, Sec. 5-T9S-R22E; Ace Oilfield Disposal, Sec. 2-T6S-R20E; Southman Canyon #3 SWD, Sec. 15-T10S-R23E, API No. 43047158800000S1 CIGE 9 SWD, Sec. 36-T9S-R22E; and Dirty Devil Federal 14-10 SWD, Sec. 10-T9S-R24E, API No. 430473056600S1. The disposal/emergency pits for the locations listed on Exhibit B will be reclaimed within the 2004 year. The rest of the locations that have disposal/emergency pits which are listed on Exhibit C will have their pits reclaimed by September 2008.

RECEIVED  
JUL 27 2004

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

Name (Printed/Typed) <b>DEBRA DOMENICI</b>	Title <b>ENVIRONMENTAL ASSISTANT</b>
Signature <i>Debra Domenici</i>	Date <b>July 22, 2004</b>

DIV. OF OIL, GAS & MINING

THIS SPACE FOR FEDERAL OR STATE USE

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

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

(Instructions on reverse)

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

## EXHIBIT A

WELL	LEGALS				STF LEASE NO	CA NUMBER	API NO
	SEC	TWN	RGE	QTR/QTR			
SOUTHMAN CANYON 04-04	4	10S	23E	NWSE	UTU33433	UTU33433	430473063200S1
SOUTHMAN CANYON 04-05	5	10S	23E	NESE	UTU33433	UTU33433	430473063300S1
SOUTHMAN CANYON 09-03M	9	10S	23E	SWSW	UTU37355	UTU37355	430473254000S1
SOUTHMAN CANYON 09-04J	9	10S	23E	NWSE	UTU37355	UTU37355	430473254100S1
SOUTHMAN CANYON 31-01-L	31	09S	23E	NWSW	UTU33433	UTU74898	430473254300S1
SOUTHMAN CANYON 31-02X	31	09S	23E	NWNW	UTU33433	UTU33433	430473489800S1
SOUTHMAN CANYON 31-03	31	09S	23E	SENW	UTU33433	UTU33433	430473472600S1
SOUTHMAN CANYON 31-04	31	09S	23E	SESW	UTU33433		430473472700S1
SOUTHMAN CANYON 923-31B	31	09S	23E	NWNE	U-33433	UTU33433	430473515000S1
SOUTHMAN CANYON 923-31J	31	09S	23E	NWSE	U-33433	UTU33433	430473514900S1
SOUTHMAN CANYON 923-31P	31	09S	23E	SESE	U-33433		430473528800S1
SOUTHMAN CANYON SWD #3	15	10S	23E	NESE	UTU-38427		430471588000S1
WHITE RIVER 1-14	14	10S	23E	NENW	UTU38427	UTU38427	430473048100S1

EXHIBIT B  
PITS TO BE RECLAIMED IN 2004

WELL	LEGALS				STF LEASE NO	CA NUMBER	API NO
	SEC	TWN	RGE	QTR/QTR			
CIGE 008	35	09S	22E	SWSE	UTU010954A	891008900A	430473042700S1
CIGE 062D	36	09S	22E	NWSW	ML22650	891008900A	430473088500S1
CIGE 153	35	09S	22E	SESW	UTU010954A	891008900A	430473206700S1

EXHIBIT C  
PITS TO BE RECLAIMED BY SEPTEMBER, 2008

WELL	LEGALS				STF LEASE NO	CA NUMBER	API NO
	SEC	TWN	RGE	QTR/QTR			
CIGE 008	35	09S	22E	SWSE	UTU010954A	891008900A	430473042700S1
CIGE 009	36	09S	22E	NWSE	ML22650	891008900A	430473041900S1
CIGE 010	2	10S	22E	NWSE	ML22651	891008900A	430473042500S1
CIGE 031	1	10S	22E	SWNW	U011336	891008900A	430473051100S1
CIGE 062D	36	09S	22E	NWSW	ML22650	891008900A	430473088500S1
CIGE 067A	2	10S	22E	NENE	ML22651	891008900A	430473093800S1
CIGE 068D	35	09S	22E	NWSW	UTU010954A	891008900A	430473095100S1
CIGE 089D	34	09S	22E	SENE	UTU0149077	891008900A	430473114600S1
CIGE 105D	1	10S	22E	NENW	U011336	891008900A	430473175800S1
CIGE 118	35	09S	22E	NESE	UTU010954A	891008900A	430473202500S1
CIGE 144	2	10S	22E	SWNE	ML22651	891008900A	430473202200S1
CIGE 153	35	09S	22E	SESW	UTU010954A	891008900A	430473206700S1
CIGE 161	2	10S	22E	SESE	ML22651	891008900A	430473216800S1
CIGE 162	36	09S	22E	SESE	ML22650	891008900A	430473216400S1
NBU 024N2	12	10S	22E	SESE	U01197A	891008900A	430473053500S1
NBU 038N2	13	10S	22E	NWSW	U06512	891008900A	430473053600S1

## EXHIBIT A

WELL	LEGALS				STF LEASE NO	CA NUMBER	API NO
	SEC	TWN	RGE	QTR/QTR			
BONANZA 04-06	4	10S	23E	NESW	U-33433	UTU33433	430473475100S1
BONANZA 06-02	6	10S	23E	NESW	UTU38419	UTU38419	430473484300S1
BONANZA 08-02	8	10S	23E	SESE	UTU37355	UTU37355	430473408700S1
BONANZA 08-03	8	10S	23E	NWNW	U-37355	UTU37355	430473477000S1
BONANZA 09-05	9	10S	23E	SESW	U-37355	UTU37355	430473486600S1
BONANZA 09-06	9	10S	23E	NWNE	U-37355	UTU37355	430473477100S1
BONANZA 10-02	10	10S	23E	NWNW	U72028	UTU80201	430473470400S1
BONANZA 10-03	10	10S	23E	NWNE	UTU38261	CR-5	430473472800S1
BONANZA 10-04	10	10S	23E	SENE	UTU40736	CR-5	430473477200S1
BONANZA 1023-2A	2	10S	23E	NENE	ML47062		430473534700S1
BONANZA 1023-2C	2	10S	23E	NENW	ML47062		430473534600S1
BONANZA 1023-2E	2	10S	23E	SWNW	ML47062		430473534500S1
BONANZA 1023-4E	4	10S	23E	SWNW	U-33433		430473539200S1
BONANZA 1023-6C	6	10S	23E	NENW	U-38419	UTU38419	430473515300S1
BONANZA 1023-7B	7	10S	23E	NWNE	U-38420	UTU38420	430473517200S1
BONANZA 1023-7L	7	10S	23E	NWSW	U-38420		430473528900S1
BONANZA 11-02	11	10S	23E	SWNW	UTU38425	CR-23	430473477300S1
BONANZA FEDERAL 03-15	15	10S	23E	NENW	UTU38428	UTU38428	430473127800S1
CANYON VIEW FEDERAL 1-18	18	10S	23E	SENW	UTU38421	UTU38421	430473037900S1
CIGE 008	35	09S	22E	SWSE	UTU010954A	891008900A	430473042700S1
CIGE 009	36	09S	22E	NWSE	ML22650	891008900A	430473041900S1
CIGE 010	2	10S	22E	NWSE	ML22651	891008900A	430473042500S1
CIGE 031	1	10S	22E	SWNW	U011336	891008900A	430473051100S1
CIGE 062D	36	09S	22E	NWSW	ML22650	891008900A	430473088500S1
CIGE 067A	2	10S	22E	NENE	ML22651	891008900A	430473093800S1
CIGE 068D	35	09S	22E	NWSW	UTU010954A	891008900A	430473095100S1
CIGE 089D	34	09S	22E	SENE	UTU0149077	891008900A	430473114600S1
CIGE 105D	1	10S	22E	NENW	U011336	891008900A	430473175800S1
CIGE 118	35	09S	22E	NESE	UTU010954A	891008900A	430473202500S1
CIGE 144	2	10S	22E	SWNE	ML22651	891008900A	430473202200S1
CIGE 147	36	09S	22E	SESW	ML22650	891008900A	430473202000S1
CIGE 153	35	09S	22E	SESW	UTU010954A	891008900A	430473206700S1
CIGE 161	2	10S	22E	SESE	ML22651	891008900A	430473216800S1
CIGE 162	36	09S	22E	SESE	ML22650	891008900A	430473216400S1
CIGE 186	35	09S	22E	NWSE	UTU010954A	891008900A	430473259000S1
CIGE 193	35	09S	22E	SESE	UTU010954A	891008900A	430473297300S1
CIGE 194	1	10S	22E	SWNW	U011336	891008900A	430473293200S1
CIGE 195	2	10S	22E	NWNE	ML22651	891008900A	430473279700S1
CIGE 212	34	09S	22E	NENE	UTU0149077	891008900A	430473293800S1
CIGE 221	36	09S	22E	SWSW	ML22650	891008900A	430473286800S1
CIGE 222	36	09S	22E	NESW	ML22650	891008900A	430473286900S1
CIGE 223	1	10S	22E	NWNW	U011336	891008900A	430473298300S1
CLIFF EDGE 1-15	15	10S	23E	NWSE	UTU38427	UTU38427	430473046200S1
CROOKED CYN FED 1-17	17	10S	23E	NESW	UTU37355	UTU37355	430473036900S1
FLAT MESA FEDERAL 1-7	7	10S	23E	NWSE	UTU38420	UTU38420	430473036500S1
FLAT MESA FEDERAL 2-7	7	10S	23E	SENW	UTU38420	UTU38420	430473054500S1
JACK RABBIT 1-11	11	10S	23E	SWNE	UTU38425	CR-23	430473042300S1
LOOKOUT POINT STATE 1-16	16	10S	23E	NESE	ML22186A		430473054400S1
NBU 024N2	12	10S	22E	SESE	U01197A	891008900A	430473053500S1
NBU 038N2	13	10S	22E	NWSW	U06512	891008900A	430473053600S1
NBU 1022-1G	1	10S	22E	SWNE	U-11336	891008900A	430473517500S1
NBU 922-35K	35	09S	22E	NESW	UTU-010954A	891008900A	430473512600S1
NBU 922-36I	36	09S	22E	NESE	ML-22650	891008900A	430473510700S1
NO NAME CANYON 1-9	9	10S	23E	SENE	UTU037355	UTU37355	430473037800S1
NO NAME CANYON 2-9	9	10S	23E	NENW	UTU037355	UTU37355	430473150400S1
NSO FEDERAL 1-12	12	10S	23E	NENW	UTU38423	CR-22	430473056000S1
PETE'S FLAT 1-1	1	10S	23E	NESE	UTU40736		430473055800S1
SAGE HEN FEDERAL 1-6	6	10S	23E	NESE	UTU38419	CR-3	430473038200S1
SAGEBRUSH FEDERAL 1-8	8	10S	23E	SWNE	UTU37355	UTU37355	430473038300S1
SHEEPHERDER FEDERAL 1-10	10	10S	23E	NESE	UTU38424	CR-5	430473055900S1
SOUTHMAN CANYON 01-05 FED	5	10S	23E	SENW	UTU33433	UTU74473	430473085600S1

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

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

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. U33433
2. Name of Operator WESTPORT OIL & GAS COMPANY, LP		6. If Indian, Allottee or Tribe Name
Contact: SHEILA UPCHEGO E-Mail: SUPCHEGO@KMG.COM		7. If Unit or CA/Agreement, Name and/or No.
3a. Address 1368 SOUTH 1200 EAST VERNAL, UT 84078	3b. Phone No. (include area code) Ph: 435-781-7024	8. Well Name and No. SOUTHMAN CANYON 1-5 (FED)
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 5 T10S R23E SENW 1341FNL 1495FWL		9. API Well No. 43-047-30856
		10. Field and Pool, or Exploratory NATURAL BUTTES
		11. County or Parish, and State UINTAH COUNTY, UT

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

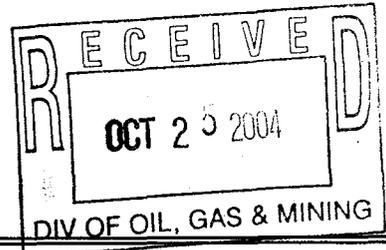
TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/>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

THE OPERATOR REQUESTS AUTHORIZATION TO RECOMPLETE THE SUBJECT WELL LOCATION. THE OPERATOR PROPOSES TO REFRACTURE THE ORIGINAL COMPLETION AND THEN COMPLETE THE UPPER MESAVERDE AND WASATCH FORMATIONS, WITH 5 FRACTURING STAGES.

PLEASE REFER TO THE ATTACHED RECOMPLETION PROCEDURE.

COPY SENT TO OPERATOR  
Date: 10-29-04  
Initials: CWO



14. I hereby certify that the foregoing is true and correct.  
Electronic Submission #50221 verified by the BLM Well Information System  
For WESTPORT OIL & GAS COMPANY, LP, sent to the Vernal

Name (Printed/Typed) SHEILA UPCHEGO	Title OPERATIONS
Signature <i>Sheila Upchego</i> (Electronic Submission)	Date 10/20/2004

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____	Accepted by the Utah Division of Oil, Gas and Mining Office	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.	Federal Approval Of This Action Is Necessary	
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.	Date: 10/29/04 By: <i>Sheila Upchego</i>	

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

**SOUTHMAN CANYON 1-5**  
**1341' FNL & 1495' FWL**  
**SENW - Section 5 - T10S - R23E**  
**Uintah County, UT**

**KBE:** 5292'  
**GLE:** 5281'  
**TD:** 9001'  
**PBTD:** 8961'

**API NUMBER:** 43-047-30856  
**LEASE NUMBER:** U-33433  
**WI:** 100%  
**NRI:** 78.11352%  
**ORRI:**

**CASING:** 17.5" hole  
 13.375" 48# H-40 @ 2530'  
 Cemented with 200 sx. Class G, circulated to surface, TOC @ surface.  
 Cemented with 700 sx. 50-50 Pozmix. Pumped top job with 1" @ 60' using 100  
 sx., TOC @ surface.

12.25" hole  
 9.625" 36#, K-55 @ 2530'  
 Cemented with 700 sx. 50-50 Pozmix. Pumped top job with 1" @ 60' using 100  
 sx., TOC @ surface.

7.875" hole  
 4.5" 11.6# N-80 @ 9007'  
 Cemented with 600 sx. 50-50 Pozmix out the shoe, 1250 sx. 50-50 Pozmix out  
 DV @ 6751'. Good cement from shoe to ~6928', void between ~6760' (below  
 DV) and ~6928', TOC above DV @ 3940 by CBL.

**TUBING:** 2.375" 4.7# J-55 tubing at 7575', SN at 7543'.

Tubular	Drift inches	Collapse psi	Burst Psi	Capacities		
				Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1626	0.02173	0.00387
4.5" 11.6# N/M/I-80 csg	3.875	6350	7780	0.6528	0.0872	0.01554
<b>Annular Capacities</b>						
2.375" tbg. X 4.5" 11.6# csg.				0.4226	0.0565	0.01006
4.5" csg. X 9.625" 36# csg.				2.2159	0.3236	0.0576
9.625" csg. X 13.375" 48# csg				2.8182	0.3766	0.0671
4.5" csg. X 7.875" hole				1.7052	0.2278	0.0406
9.625" csg. X 12.25" hole				2.3436	0.3132	0.0558

**EXISTING PERFORATIONS:**

Formation	Date	Top	Bottom	SPF	Status
Mesa Verde	2/10/1989	7417		1	Open
Mesa Verde	2/10/1989	7421		1	Open
Mesa Verde	2/10/1989	7484		1	Open
Mesa Verde	2/10/1989	7487		1	Open
Mesa Verde	2/10/1989	7596		1	Open
Mesa Verde	2/10/1989	7629		1	Open

Mesa Verde	2/10/1989	7633		1	Open
Mesa Verde	2/10/1989	7701		1	Open
Mesa Verde	2/10/1989	7707		1	Open
Mesa Verde	2/10/1989	7710		1	Open
Mesa Verde	2/10/1989	7713		1	Open
Mesa Verde	2/10/1989	7716		1	Open
Mesa Verde	2/10/1989	7719		1	Open
Mesa Verde	2/10/1989	7740		1	Open
Mesa Verde	2/10/1989	7743		1	Open
Mesa Verde	2/10/1989	7806		1	Open
Mesa Verde	2/10/1989	7809		1	Open

**GEOLOGIC INFORMATION:**

<b>Formation</b>	<b>Depth to top, ft.</b>
Uinta	Surface
Green River	
Wasatch	4310'
Mesa Verde	6430'

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

USDW Elevation	~1800' MSL
USDW Depth	~3492' KBE

**WELL HISTORY:**

**Completion – February 1989**

- TD'd on 5/10/1981.
- The well was suspended April 1981 until February 1989.
- Perforated the gross interval 7417' through 7809', acidized and balled out with 7.5% HCl at 3970 psi, then fractured with 55600 gal. gel containing 100000# 20/40 mesh sand.

Gal.	Stage	Proppant
18000	Pad	
9900	1 ppg	20/40
5100	2 ppg	20/40
4300	3 ppg	20/40
5160	4 ppg	20/40
580	5 ppg	20/40
4850	Flush	

- Cleaned out to 7880 and landed tubing at 7575'.
- Tested 3272 MCFD, 1500 psi FTP, 1750 psi SICP, 20/64<sup>th</sup> choke on 2/23/1989.

**Workover #1 – April 2001**

- Found well clean to 8292'. Pulled well to repair hole in tubing and repair PLE.
- Landed tubing at 7575, SN at 7543', and RTP.

## SOUTHMAN CANYON 1-5 RECOMPLETION

### GENERAL:

- A minimum of **22 tanks** of fresh water will be required for the fracturing schedules.
- All perforation depths are from the Schlumberger Compensated Neutron – Formation Density log dated May 7, 1981.
- **Perforation phasing:** 2 spf, 180 degrees; 4 spf, 90 degrees.
- **5 fracturing stages** required for refracturing of the original perforations and completing uphole Mesa Verde and Wasatch.
- 20/40 mesh sand, 18-20#/1000 gal. gel loading.
- Scale inhibitor: 3 gal./1000 gal. in pad, ramp and 50% of 5 ppg stage.
- **Maximum surface pressure 7000 psi.** Note – Although the N-80 casing is rated to 7780 psi, it is over 20 years old. 45 BPM is the rate needed to place the desired sand quantities for Stages 1 and 2, which leads to predicted pressures at the end of flush that approach or slightly exceed 7000 psi. **If the casing will not test to 7000 psi, isolate any leaks. If leaks are above planned perforations, this job will be aborted and the well will be slated for P&A.**

### PROCEDURE:

1. MIRU. Kill well as needed. ND WH, NU and test BOPE. TOH with tubing.
2. TIH with bit and clean out to PBTD. TOH.
3. WL set a RBP at ~7390'. Pressure test casing and BOPE to 500 psi low and 7000 psi high. If casing tests, continue with recompletion procedure. If casing does not test, TIH with a packer and isolate holes. A decision on the disposition of the well will be made at that time.
4. Run a CBL from ~7390' to the TOC, stated to be at ~3930'. Note – A GR-CBL-CCL is necessary to tie into the GR-CNL-FDC, as the original print ended at 6624' and there is currently nothing available to perforate from above that depth.
5. TIH and retrieve RBP.
6. Perforate the following with 3-3/8" expendable gun, 23 gm, 0.35" hole:

7490-7494'	2 spf
7590-7594'	2 spf
7. Breakdown perms and establish injection rate. Fracture as outlined in Stage 1 in the attached listing. Under displace to ~7350'.
8. Set 10000 psi CBP at 7300'. Perf the following with 3-3/8" expendable gun, 23 gm, 0.35" hole:

7112-7118'	2 spf
7202-7206'	4 spf

9. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 in the attached listing. Under-displace to ~7050'.

10. Set 5000 psi CBP at ~7000'. Perf the following with 3-1/8" OD HSC, 12 gm charge, 0.35" hole:

6440-6446' 4 spf

11. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~6390'. **Do not exceed 35 BPM target rate.**

12. Set 5000 psi CBP at ~6340'. Perf the following with 3-3/8" expendable gun, 23 gm, 0.35" hole:

5896-5900' 4 spf

6142-6148' 4 spf

13. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 4 on attached listing. Under-displace to ~5850'.

14. Set 5000 psi CBP at ~5800'. Perf the following with 3-1/8" OD HSC, 12 gm charge, 0.35" hole:

5623-5626' 4 spf

5730-5733' 4 spf

15. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 5 on attached listing. Under-displace to ~5580'.

16. Set 5000 psi CBP at ~5530'.

17. TIH with 3 7/8" bit, pump off sub, SN and tubing. Drill out plugs and clean out to PBTD.

18. Land tubing at ~7400'. ND BOPE, NU WH. Drop ball and shear off bit.

19. RDMO

**S. D. McPherson**

Approved By: \_\_\_\_\_

**J. T. Conley**  
**Operations Manager**

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.  
**U-33433**

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
**SOUTHMAN CANYON 1-5**

9. API Well No.  
**43-047-30856**

10. Field and Pool, or Exploratory Area  
**SOUTHMAN CANYON**

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

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

1. Type of Well  
 Oil Well  Gas Well  Other

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

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**SENW SECTION 5-T10S-R23E 1341'FNL & 1495'FWL**

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 checked="" 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 type="checkbox"/> Other _____

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.

1/14/05: A RECOMPLETION WAS PERFORMED ON THE SUBJECT WELL LOCATION. IT WAS DISCOVERED THAT THE WELL LOCATION HAD SEVERAL CASING LEAKS FOUND IN TBG.

THE OPERATOR IS IN THE PROCESS OF EVALUATING THE LOCATION FOR PLUG AND ABANDON STATUS.

PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

**RECEIVED**  
**APR 19 2005**

DIV. OF OIL, GAS & MINING

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

Name (Printed/Typed) <b>Sheila Upchego</b>	Title <b>Regulatory Analyst</b>
Signature 	Date <b>April 12, 2005</b>

**THIS SPACE FOR FEDERAL OR STATE USE**

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

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

## SOUTHMAN CANYON 1-5

### RECOMPLETION

- 01/14/05      PROG: 7:00 AM. HELD SAFETY MEETING, FTP: 100#, FCP: 100#. BLEED WL DN. NDWH. FOUND WH, BOLTS SIEZED. (1.5 HRS). NUBOP. ATTEMPT TO UNLAND TBG. JAM BOLTS ON TBG HANGER SIEZED. (WORKED FREE 1.5 HRS). PMP 30 BBLS TOP KILL DN TBG. UNLAND TBG @ 7575'. POOH LD 210 JTS TBG ON TRAILER. EOT @ 1100'. SWI. SDFN.
- 01/17/05      PROG: HELD SAFETY MEETING. OPEN WL, 900#. KILL WL W/2% KCL. CONT TO POOH & LD OLD TBG. PU 3-7/8" MILL, TALLY & RIH W/NEW 2-3/8" TBG, RIH & CLEAN OUT TO 7920'. POOH & STAND BACK 122 STANDS OF TBG, LD BIT. PREP TO TEST CSG ON MONDAY. SWI, SDFWE.
- 01/18/05      PROG: 7:00 AM (DAY 3) HELD SAFETY MEETING. WL WORK. SICP: 900#. BLEW WL DN. MIRU CUTTERS. RIH W/RBP W/6' SINKER BAR. (18' TOTAL LENGTH) BOBBLE ON WIRELINE TOOLS @ 3150' TO 4460' WHILE RIH & POOH. TAG UP HARD @ 4870'. COULD NOT WORK THROUGH. POOH. LD 6' SINKER BAR. RIH W/RBP. (12' TOTAL LENGTH) TAG SOLID AGAIN @ 4870'. CONSULT W/ENGINEERING. DECISION WAS TO TRY TBG SET RBP. CALL FOR TOOLS & HAND. POOH. RDMO CUTTERS. FOUND CMT IN WIRELINE TOOLS. WAIT ON "TBG SET RBP". RIH W/WTFRD RBP ON NEW 2-3/8" J-55 TBG TO 4920'. DID NOT SEE OR FEEL ANYTHING. PUH & SET RBP @ 4800'. UNLATCH FROM RBP. PUH 1 JT. ATTEMPT TO FILL 4-1/2" CSG W/110 BBLS 2% KCL @ 4.5 BPM @ 0#. ISIP: VACUM. (CSG LEAK) LATCH ON TO RBP & RELEASE. POOH. STDG BACK TBG. LD RBP. CANCEL FRAC. 5:00 PM SWI-SDFN, PREP TO RIH W/KILL STRING IN AM. (P&A CANIDATE).
- 01/19/05      PROG: 7:00 AM (DAY 4) HELD SAFETY MEETING, DRIVING ON ICY ROADS. SICP: 0#, BLEW WL DN. RIH W/NC, 1 JT, PLUS 45 SN & NEW 2-3/8" J-55 TBG. TAG UP ON SOMETHING SOFT @ 5500'. POOH & LD 194 JTS ON FLOAT. LAND TBG ON HANGER W/51 JTS 2-3/8" J-55 TBG. JT UNDER HANGER USED. RD FLOOR & TBG EQUIPMENT. NDBOP, NUWH. RD RIG, RACK EQUIPMENT. LEAVE WL SHUT IN. FINAL REPORT. 4:00 PM, SDFN PREP TO MIRU ON BONANZA#8-2 IN AM.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Serial No.

UTU-33433

6. If Indian, Allottee or Tribe Name

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

UTU-74473

8. Well Name and No.

SOUTHMAN CANYON 1-5

9. API Well No.

43-047-30856

10. Field and Pool, or Exploratory Area

NATURAL BUTTES

11. County or Parish, State

UINTAH COUNTY, UTAH

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

1. Type of Well  
 Oil Well  Gas Well  Other

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
SENW SECTION 5-T10S-R23E 1342'FNL & 1495'FWL

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

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

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

THE OPERATOR REQUESTS AUTHORIZATION TO PLUG AND ABANDON THE SUBJECT WELL LOCATION. THE WELL HAS BEEN SHUT IN AND TEMPORARILY ABANDON. THE OPERATOR HAS REVIEWED AND CONFIRMED THAT THE PRODUCTIVE ZONES ARE DEPLETED. THERE IS NO ADDITIONAL DOWNHOLE POTENTIAL.

PLEASE REFER TO THE ATTACHED PLUG AND ABANDON PROCEDURE.

COPY SENT TO OPERATOR  
Date: 10-11-05  
Initials: CHD

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

Name (Printed/Typed)

Shejla Upchego

Signature

Title

Regulatory Analyst

Date

September 26, 2005

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Accepted by the  
Utah Division of  
Oil, Gas and Mining

Date

Federal Approval Of This  
Action Is Necessary

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

Office

Date: 10/4/05

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

(Instructions on reverse)

RECEIVED

OCT 03 2005

DIV. OF OIL, GAS & MINING

**SOUTHMAN CANYON 1-5**  
**1341' FNL & 1495' FWL**  
**SENW - Section 5 - T10S - R23E**  
**Uintah County, UT**

**KBE:** 5292'  
**GLE:** 5281'  
**TD:** 9001'  
**PBTD:** 8961'

**API NUMBER:** 43-047-30856  
**LEASE NUMBER:** U-33433  
**WI:** 87.9853%  
**NRI:** 69.1025%  
**ORRI:**  
**UNIT/CA #:**

**CASING:** 17.5" hole  
 13.375" 48# H-40 @ 2530'  
 Cemented with 200 sx. Class G, circulated to surface, TOC @ surface.  
 Cemented with 700 sx. 50-50 Pozmix. Pumped top job with 1" @ 60' using 100  
 sx., TOC @ surface.

12.25" hole  
 9.625" 36#, K-55 @ 2530'  
 Cemented with 700 sx. 50-50 Pozmix. Pumped top job with 1" @ 60' using 100  
 sx., TOC @ surface.

7.875" hole  
 4.5" 11.6# N-80 @ 9007'  
 Cemented with 600 sx. 50-50 Pozmix out the shoe, 1250 sx. 50-50 Pozmix out  
 DV @ 6751'. Good cement from shoe to ~6928', void between ~6760' (below  
 DV) and ~6928', TOC above DV @ 3940 by CBL.

**TUBING:** 2.375" 4.7# J-55 tubing at 7575', SN at 7543'.

Tubular	Drift inches	Collapse psi	Burst Psi	Capacities		
				Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1626	0.02173	0.00387
4.5" 11.6# N/M/I-80 csg	3.875	6350	7780	0.6528	0.0872	0.01554
<b>Annular Capacities</b>						
2.375" tbg. X 4.5" 11.6# csg.				0.4226	0.0565	0.01006
4.5" csg. X 9.625" 36# csg.				2.2159	0.3236	0.0576
9.625" csg. X 13.375" 48# csg				2.8182	0.3766	0.0671
4.5" csg. X 7.875" hole				1.7052	0.2278	0.0406
9.625" csg. X 12.25" hole				2.3436	0.3132	0.0558

**EXISTING PERFORATIONS:**

Formation	Date	Top	Bottom	SPF	Status
Mesa Verde	2/10/1989	7417		1	Open
Mesa Verde	2/10/1989	7421		1	Open
Mesa Verde	2/10/1989	7484		1	Open
Mesa Verde	2/10/1989	7487		1	Open
Mesa Verde	2/10/1989	7596		1	Open
Mesa Verde	2/10/1989	7629		1	Open
Mesa Verde	2/10/1989	7633		1	Open
Mesa Verde	2/10/1989	7701		1	Open
Mesa Verde	2/10/1989	7707		1	Open
Mesa Verde	2/10/1989	7710		1	Open
Mesa Verde	2/10/1989	7713		1	Open
Mesa Verde	2/10/1989	7716		1	Open
Mesa Verde	2/10/1989	7719		1	Open
Mesa Verde	2/10/1989	7740		1	Open
Mesa Verde	2/10/1989	7743		1	Open
Mesa Verde	2/10/1989	7806		1	Open
Mesa Verde	2/10/1989	7809		1	Open

**GEOLOGIC INFORMATION:**

Formation	Depth to top, ft.
Uinta	Surface
Green River	
Wasatch	4310'
Mesa Verde	6430'

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

USDW Elevation	~1800' MSL
USDW Depth	~3492' KBE

**WELL HISTORY:**

**Completion - February 1989**

- TD'd on 5/10/1981.
- The well was suspended April 1981 until February 1989.
- Perforated the gross interval 7417' through 7809', acidized and balled out with 7.5% HCl at 3970 psi, then fractured with 55600 gal. gel containing 100000# 20/40 mesh sand.

Gal.	Stage	Proppant
18000	Pad	
9900	1 ppg	20/40
5100	2 ppg	20/40
4300	3 ppg	20/40
5160	4 ppg	20/40
580	5 ppg	20/40
4850	Flush	

- Cleaned out to 7880 and landed tubing at 7575'.
- Tested 3272 MCFD, 1500 psi FTP, 1750 psi SICP, 20/64<sup>th</sup> choke on 2/23/1989.

**Workover #1 – April 2001**

- Found well clean to 8292'. Pulled well to repair hole in tubing and repair PLE.
- Landed tubing at 7575, SN at 7543', and RTP.

**REMARKS:**

- The "IP" was actually a 1 hr. test converted to a 24 hr. rate – mostly wellbore storage.
- Didn't take the bait in the Castlegate A or Segoe, stringers between the Segoe and coals at the base of the Price River Member apparently calculated wet by this interpretation (as marked on log).
- **This is essentially a completion of the Price River Member only and log characteristics are excellent for the interval.** Poor historical performance is likely due to the small fracturing treatment. Limited entry design should allow for refrac via perforation optimization using a considerably larger treatment.
- **The well appears to have uphole potential in both the Kmv and Tw.** Must be aware of and design around the cement void between ~6760' and ~6900' from stage cementing.
- **Recommend log evaluation, preparation of procedure and AFE to refrac the Price River and recomplete uphole in the remainder of the Kmv and Tw.**

## SOUTHMAN CYN 1-5 P&A PROCEDURE

### GENERAL

- H<sub>2</sub>S MAY BE PRESENT. CHECK FOR H<sub>2</sub>S AND TAKE APPROPRIATE PRECAUTIONS.
- CEMENT QUANTITIES BELOW ASSUME NEAT CLASS G, YIELD 1.145 CUFT./SX. IF A DIFFERENT PRODUCT IS USED, WELLSITE PERSONNEL ARE RESPONSIBLE FOR CORRECTING QUANTITIES TO YIELD THE STATED SLURRY VOLUME. WHEN SQUEEZING, INCLUDE 10% EXCESS PER 1000' OF DEPTH.
- BRINE WITH A MINIMUM DENSITY OF AT LEAST 9 PPG MUST BE PLACED BETWEEN ALL PLUGS. 10 PPG IS ASSUMED IN THIS PROCEDURE.
- NOTIFY THE BLM AT 435-781-4400 24 HOURS BEFORE MOVING ON LOCATION.

### P&A PROCEDURE

1. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.
2. TOH WITH TUBING. RU WIRELINE AND MAKE A GAUGE RING RUN TO ~6000'.
3. **PLUG #1, PERFORATIONS (TOP PERF @ 6240'), MV TOP (~5623')**: SET CIBP AT ~6000' AND SPOT 477' (~58 SX. OR ~66.55 CUFT.) CLASS G CEMENT ON TOP. DISPLACE WELL WITH 10 PPG BRINE.
4. **PLUG #2, BASE OF USDW'S (~4602')**: SPOT A BALANCED CEMENT PLUG FROM ~4702' - ~4502' USING ~22 SX (~25.64 CUFT.) CLASS G CEMENT. DISPLACE WELL WITH 10 PPG BRINE.
5. **PLUG #3, WASATCH TOP (~3970')**: PERFORATE ~4070' WITH 4 SPF, SET CICR AT ~3870' AND SQUEEZE A MINIMUM OF ~77 SX OF CLASS G CEMENT BENEATH CICR (~88.2 CUFT.). DISPLACE WELL TO SURFACE' WITH 10 PPG BRINE.
6. **PLUG #4, CASING STUB & INTERMEDIATE CSG SHOE (~2016')**: CUT 4 1/2" CASING @ ~2016'. PULL AND LD SAME. SPOT 50' (~17 SX OR 18.9 CUFT.) CLASS G CEMENT INSIDE CASING STUB AND 4 1/2" x 7 7/8" ANNULUS. SPOT 200' (~75 SX OR 85.8 CUFT.) CEMENT ON TOP OF CASING STUB. DISPLACE WELL WITH 10 PPG BRINE.
7. **PLUG #5, GREEN RIVER TOP (~1057')**: PERFORATE ~1170' WITH 4 SPF, SET CICR AT ~970' AND SQUEEZE A MINIMUM OF ~149 SX OF CLASS G CEMENT BENEATH CICR (~170.99 CUFT.). DISPLACE WELL WITH 10 PPG BRINE.
8. **PLUG #6, CASING STUB & SURFACE**: CUT 8 5/8" CASING @ ~200'. PULL AND LD SAME. SPOT ~100' OF CEMENT INSIDE SURFACE CASING USING ~49 SX (~56.39 CUFT.) CLASS G CEMENT. (NOTE: CMT VOLUME INCLUDES CALCULATION FOR 50' OF CMT INSIDE 8 5/8" x 12 1/4" ANNULUS). FILL SURFACE CASING WITH ~154 SX (~176.34 CUFT.) OF CLASS G CEMENT.
9. CUT OFF WELLHEAD AND INSTALL MARKER PER BLM GUIDELINES.
10. RDMO. TURN OVER TO OPERATIONS FOR SURFACE REHAB.

ALM - 8/5/05

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

**ROUTING**

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

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

Operator Name Change/Merger

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

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

WELL NAME	CA No.	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
-----------	--------	-----	-----	-----	--------	-----------	------------	-----------	-------------

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

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

**DATA ENTRY:**

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

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: CO1203
- Indian well(s) covered by Bond Number: RLB0005239
- (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB0005236
- 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 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.

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

RECEIVED

MAY 10 2006

DIV. OF OIL, GAS & MINING

BLM BOND = C01203  
 BIA BOND = RLB0005239

APPROVED 5116106

*Earlene Russell*

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

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

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

THIS SPACE FOR FEDERAL OR STATE USE

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

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

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

6. If Indian, Allottee or Tribe Name

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

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**

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

1. Type of Well  
 Oil Well  Gas Well  Other

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

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

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

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

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

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

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

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

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

**RECEIVED**  
MAY 10 2006  
DIV. OF OIL, GAS & MINING

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

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

**THIS SPACE FOR FEDERAL OR STATE USE**

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

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



## United States Department of the Interior

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

IN REPLY REFER TO:

CO922 (MM)  
3106  
COC017387 et. al.

March 23, 2006

### NOTICE

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

#### Merger/Name Change - Recognized

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

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

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

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

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

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

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

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

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

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

Attachment:

List of OG Leases to each of the following offices:

MMS MRM, MS 357B-1

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

CO Field Offices

Wyoming State Office

Rider #1 to Bond WY2357

Rider #2 to Bond WY1865

Rider #3 to Bond WY1127



# United States Department of the Interior



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

IN REPLY REFER TO:  
3106  
(UT-922)

March 27, 2006

## Memorandum

To: Vernal Field Office

From: Chief, Branch of Fluid Minerals

Subject: Merger Approval

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

Chief, Branch of  
Fluid Minerals

## Enclosure

Approval letter from BLM COSO (2 pp)

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

RECEIVED

MAR 28 2006

CH. OF CL, SAC & MGRS

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.  
**U-33433**

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
**SOUTHMAN CANYON 1-5**

9. API Well No.  
**4304730856**

10. Field and Pool, or Exploratory Area  
**SOUTHMAN CANYON**

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

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

1. Type of Well  
 Oil Well  Gas Well  Other

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

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**SENW SECTION 5, T10S, R23E 1341'FNL, 1495'FWL**

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

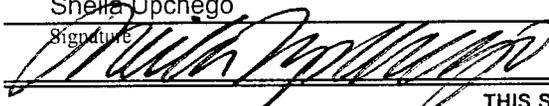
TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> 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 type="checkbox"/> Other _____	
	<input type="checkbox"/> Change Plans	<input checked="" 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.

07/03/2006: MIRU P&A EQUIP NDWH & NUBOP. TOH/TBG TIH/BIT TO 6000' TOH TIH TO 5985' & SET CICR CAP 10 SX ROLL HOLE 10 PPG H2O TOH TO 4413' PMP 15 SX BALANCE PLUG TOH RUWL CUT 4 1/2" OFF LAY DOWN FROM 2552' TIH/TBG TO 2601' PMP 80 SX ACROSS SHOE & STUB TOH/WOC. TIH/TAG CMT @2512' PMP 30 SX ON TOP OF TAG. TOH RUWL & SHOT HOLES @1170' TIH/TBG TO 1229' PMP 40 SX TOH TO 194' MIX & PMP 40 SX TOH/WOC TIH/TAG CMT @35' PMP 20 SX GOOD CMT TO SURFACE DIG OUT AND CUT OFF WELL HEAD TOP OFF W/5 SX WELD ON PLATE. RDMO

**THE SUBJECT WELL LOCATION WAS PLUG AND ABANDON ON 07/03/2006.**

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

Name (Printed/Typed) <b>Sheila Upchego</b>	Title <b>Regulatory Analyst</b>
Signature 	Date <b>July 13, 2006</b>

**THIS SPACE FOR FEDERAL OR STATE USE**

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

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

(Instructions on reverse)

**RECEIVED**

**JUL 25 2006**

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
**U-33433**

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

6. If Indian, Allottee or Tribe Name

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

7. Unit or CA Agreement Name and No.

3. Address  
**1368 SOUTH 1200 EAST VERNAL, UTAH 84078**

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

8. Lease Name and Well No.  
**SOUTHMAN CANYON 1-5**

4. Location of Well (Report locations clearly and in accordance with Federal requirements)\*

At surface **SENW 1341'FNL, 1495'FWL**

At top prod. interval reported below

9. API Well No.  
**4304730856**

10. Field and Pool, or Exploratory  
**SOUTHMAN CANYON**

11. Sec., T., R., M., or Block and Survey or Area **SEC 5, T10S, R23E**

12. County or Parish  
**UINTAH**

13. State  
**UTAH**

At total depth

14. Date Spudded  
**03/19/81**

15. Date T.D. Reached  
**05/10/81**

16. Date Completed  
 D & A  Ready to Prod.  
**07/03/06**

17. Elevations (DF, RKB, RT, GL)\*  
**5280'GR**

18. Total Depth: MD **9007'**  
TVD

19. Plug Back T.D.: MD **8961'**  
TVD

20. Depth Bridge Plug Set: MD  
TVD

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

**N/A**

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

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17 1/2"	13 3/8"	48#		183'		200 SX			
12 1/4"	9 5/8"	36#		2530'		700 SX			
7 7/8"	4 1/2"	11.6#		9007'		1850 SX			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Set (MD)
2 3/8"	7575'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) <b>N/A</b>						
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and type of Material
<b>N/A</b>	

**RECEIVED**

28. Production - Interval A

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

**JUL 25 2006**

DIV. OF OIL, GAS & MINING

28a. Production - Interval B

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

28b. Production - Interval C

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

28c. Production - Interval D

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

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

**PLUG AND ABANDON ON 7/3/2006**

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

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

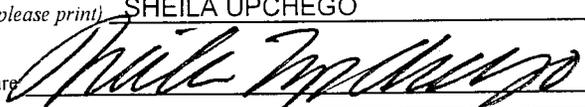
32. Additional remarks (include plugging procedure):

7/3/2006: MIRU P&A EQUIP. NDWH & NUBOP. TOH/TBG TIH/BIT TO 6000' TOH TIH TO 5985' & SET CICR CAP 10 SX ROLL HOLE 10 PPG H2O TOH TO 4413' PMP 15 SX BALANCE PLUG TOH RUWL CUT 4 1/2" OFF LAY DOWN FROM 2552' TIH/TBG TO 2601' PMP 80 SX ACROSS SHOE & STUB TOH/WOC TIH TAG CMT @2512' PMP 30 SX ON TOP OF TAG TOH RUWL & SHOT HOLES @1170' TIH/TAG TO 1229' PMP 40 SX TOH TO 194' MIX AND PMP 40 SX TOH/WOC TIH/TAG CMT @35' PMP 20 SX GOOD CMT TO SURFACE DIG OUT AND CUT OFF WELL HEAD TOP OFF W/5 SX WELD ON PLATED. RDMO. **THE SUBJECT WELL LOCATION WAS PLUG AND ABANDON ON 7/3/2006.**

33. Circle enclosed attachments:

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

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

Name (please print) SHEILA UPCHEGO Title REGULATORY ANALYST  
 Signature  Date 7/13/2006

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



## United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, UT 84145-0155

<http://www.blm.gov/ut/st/en.html>



APR 09 2012

43 017 30856

IN REPLY REFER TO:

3105

UT922100

Kerr-McGee Oil & Gas Onshore, LP  
c/o LimpusJones, Inc.  
705 West Mescalero Road  
Roswell, NM 88201

Re: Termination of Communitization  
Agreement UTU74473  
Uintah County, Utah

(wz) 5 10 5 23e

Dear Ms. Limpus Jones:

Communitization Agreement (CA) UTU74473 was approved on September 12, 1995, and became effective February 17, 1989. This agreement communitized 321.18 acres of Federal land in leases UTU33433 and UTU73450, as to natural gas and associated liquid hydrocarbons producible from the Wasatch-Mesaverde Formation.

In accordance with Section 37 of the Ponderosa Unit Agreement, upon establishment of the Initial Participating Area, CA UTU74473 shall automatically terminate. The initial Participating Area is effective May 1, 2012. Therefore, UTU74473 is terminated and the lands are simultaneously merged into the Ponderosa Unit.

Copies of this letter are being distributed to the appropriate Federal agencies. It is requested that you furnish notice of this termination to each interested owner, lessee and lessor.

If you have any questions concerning this matter, please contact Judy Nordstrom of this office at (801) 539-4108.

Sincerely,

Roger L. Bankert  
Chief, Branch of Minerals

RECEIVED

APR 11 2012

DIV. OF OIL, GAS & MINING