

**SUPERIOR OIL**

D

November 3, 1981

Mr. Cleon Feight  
Division of Oil & Gas  
State of Utah  
1588 W. North Temple  
Salt Lake City, Utah 84116

RE: Sentinel Peak #22-34  
U-1877  
Sentinel Peak Prospect  
San Juan County, Utah

Dear Mr. Feight:

Superior Oil is planning to drill the Sentinel Peak #22-34 at a location 770' FSL and 3700' FWL, Section 22, T41S-R26E, San Juan County, Utah. According to our calculations, this location will not meet the guidelines set by the State of Utah.

We are requesting a variance to those guidelines so that this well can be drilled on an existing seismic shot point. Our experience in the area shows that any deviation from the known data on the seismic line makes the play more risky.

We appreciate your cooperation and if you have any questions, please do not hesitate to call.

Respectfully,

THE SUPERIOR OIL COMPANY

  
R.A. Rosprim  
Landman

NOV 06 1981  
DIVISION OF  
OIL, GAS & MINING

RAR/cbb

cc: Ric Kopp  
Bill Edwards

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

Form Approved  
Budget Bureau No. 42-R1425

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  
SUPERIOR OIL COMPANY

3. ADDRESS OF OPERATOR  
P.O. DRAWER "G", CORTEZ, COLORADO 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
At surface: 770' FSL, 3700' FWL, SEC. 22, T41S, R26E  
At proposed prod. zone: Same as surface

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
7 miles East-Southeast of Aneth, Utah

10. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 770'

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

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5006.2' Ungraded Ground Level

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
18"	New 13-3/8"	48#, H-40	100'
12-1/4"	New 8-5/8"	24#, K-55	1670'
7-7/8"	New 5-1/2"	15.5#, K-55	6100'

1. Drill 18" hole to 100' and set 100' of new 13-3/8", 48#/ft. H-40, ST&C casing. Cement to surface with Redimix.
2. Drill 12-1/4" hole to 1670' and set 1670' of new 8-5/8", 24#/ft. K-55, ST&C casing. Cement to surface with 850 sx class 'B' cement.
3. Drill 7-7/8" hole to 6100' or base of Desert Creek. Log well with DILGR FDC CNL, BHC Sonic and Velocity survey. Set 6100' of new 5-1/2", 15.5#/ft. K-55 casing and cement with 250 sx class 'B'.
4. Complete in Ismay and/or Desert Creek based on log evaluation and stimulate as necessary.

Orig + 5 - USGS, State - 2, Navajo Tribe, Drilling Department, Regulatory Group, Denver Explor. Files - H, D, C

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 Dennis L. Blanscet TITLE Sr. Production Engineer DATE 10-26-81  
D. I. Blanscet

(This space for Federal or State office use)

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

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

CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_  
**APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING**  
DATE 11/13/81  
BY: [Signature]

5. LEASE DESIGNATION AND SERIAL NO.  
N00-C-14-20-3003

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
NAVAJO

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
SENTINEL PEAK

9. WELL NO.  
#22-34

10. FIELD AND POOL, OR WILDCAT  
SENTINEL PEAK Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
SEC. 22, T41S, R26E, SLM

12. COUNTY OR PARISH  
SAN JUAN

13. STATE  
UTAH

16. NO. OF ACRES IN LEASE  
546

17. NO. OF ACRES ASSIGNED TO THIS WELL  
40

20. ROTARY OR CABLE TOOLS  
Rotary

22. APPROX. DATE WORK WILL START\*  
1-15-82

QUANTITY OF CEMENT	CLASS
Redimix to surface	
850 sx to surface	
250 sx	

1. 100' of new 13-3/8", 48#/ft. H-40, ST&C casing. Cement

2. 1670' of new 8-5/8", 24#/ft. K-55, ST&C casing.

3. Log well with DILGR FDC CNL, BHC Sonic and Velocity survey. Set 6100' of new 5-1/2", 15.5#/ft. K-55 casing and cement with 250 sx class 'B'.

4. Complete in Ismay and/or Desert Creek based on log evaluation and stimulate as necessary.

# **SUPERIOR OIL**

October 26, 1981

Mr. John Keller  
District Supervisor  
U. S. Geological Survey  
P. O. Box 959  
Farmington, New Mexico 87401

Re: Surface Use Development Plan  
Proposed Well  
Sentinel Peak #22-34  
770' FSL, 3700' FWL  
Section 22, T41S, R26E, SLM

Dear Mr. Keller:

The "Surface Use Development Plan" for the proposed Superior's Sentinel Peak #22-34 is as follows:

1. The existing roads and the off-road exit locations are shown on the attached road and pipeline plat.
2. A new 1000'± X 20' access road will be required as shown on the attached plat. The proposed road will run north from the Sentinel Peak #27-21 to the location and will be compacted sand and gravel with a maximum grade of 3%. No major cuts or fills are anticipated.
3. The location and status of wells in the vicinity are shown on the attached road and pipeline plat.
4. The location of any production facilities, flowlines and lateral roads in the vicinity of the proposed well are shown on an attached plat. A 2" flowline will run 200' southeast to a new tank battery, the area of the tank battery where the oil, gas and water will be separated is approximately 100' X 300'. If the new production facilities are required, a detailed building plan will be submitted.
5. Water for drilling operations will be obtained from the San Juan River.
6. Materials necessary for construction of the access road and drilling pad will be obtained from the location. No access roads for the purpose of hauling materials will be necessary.

# SUPERIOR OIL

7. Waste materials will be collected in earth pits 6-8' deep with steep sides. The perimeter of these pits will be fenced with small mesh wire. When drilling operations are complete, these pits will be backfilled and leveled to the contour of the original landscape. Small portable trailer houses for company and contract drilling personnel may be on location. A sufficient number of OSHA approved chemical toilets will be provided and maintained.
8. The location and position of drilling equipment is shown on an attached plat. Included on this plat is a cross section diagram showing cuts and fills that are necessary for drilling pad construction. The drilling pad will be located approximately at ground level. Materials at the location will be used for pad elevation.
9. Surface land is owned by the Navajo Tribe and is used primarily for grazing. Vegetation is sparse and consists of Galleta Grass, Juniper, Snakeweed and Shad Scale. There are no Indian habitations or artifacts in the immediate vicinity of the access road, flowline or drillsite.

Very truly yours,

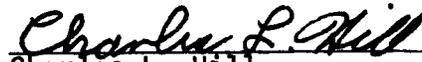
SUPERIOR OIL COMPANY



Dwaine I. Blanscet  
Senior Production Engineer

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

10-28-81  
Date

  
\_\_\_\_\_  
Charles L. Hill  
Area Production Superintendent

DIB/lh

SUPPLEMENT TO FORM 9-331-C

WELL: Sentinel Peak #22-34  
770' FSL, 3700' FWL, Sec. 22, T41S, R26E, SLM

ELEVATION: 5006' Ungraded Ground Level

SURFACE FORMATION: Morrison

ESTIMATED FORMATION TOPS: (Measured from KB level at 5020').

Navajo	1218'
Kayenta	1400'
Windgate	1480'
Chinle	1612'
Dechelly	2980'
Organ Rock	3080'
Cutler	3785'
Hermosa	4830'
Upper Ismay	5758'
Lower Ismay	5842'
Gothic Shale	5886'
Desert Creek	5940'
Chimney Rock	6070'
TD	6100'

WATER BEARING FORMATION: Water could be encountered intermittently from 400' to 1612'.

HYDROCARBON BEARING FORMATION: Oil and gas could be encountered in the Upper Ismay, Lower Ismay, and Desert Creek formations.

MUD PROGRAM: Surface to 100' - gelled fresh water at approximately 8.5 ppg.  
100' to 1670' - gelled fresh water at 8.5 - 8.8 ppg.  
1670' to 6100' - lignosulfonate or similar mud system with water loss controlled at 10-20 cc and weighted to 8.5 - 10.5 ppg.

CASING: Conductor - 13-3/8" 48#/ft H-40 ST&C new casing set to 100'.  
Surface - 8-5/8" 24#/ft K-55 ST&C new casing set to 1670'.  
Production - 5-1/2" 15.5#/ft K-55 ST&C new casing set to 6100'.

CEMENT PROGRAM: Conductor - cement to surface with Redimix.  
Surface - cement to surface with 850 sx Class 'B'.  
Production - cement with 250 sx Class 'B'.

LOGGING PROGRAM: DIL-GR, FDC-CNL, BHC Sonic and Velocity Survey.

**DRILL STEM TESTS:**

No drill stem test planned at this time.

**CORING:**

Core any shows with drilling breaks in the Ismay and Desert Creek formations.

**PRESSURE CONTROLS:**

Blowout preventer equipment will be 10" Series 600 with blind rams and drill pipe rams hydraulically and manually controlled. The blind rams will be tested daily. The schematic of the pressure control equipment can be seen on the attached diagram. The mud system will be monitored by visual inspection.

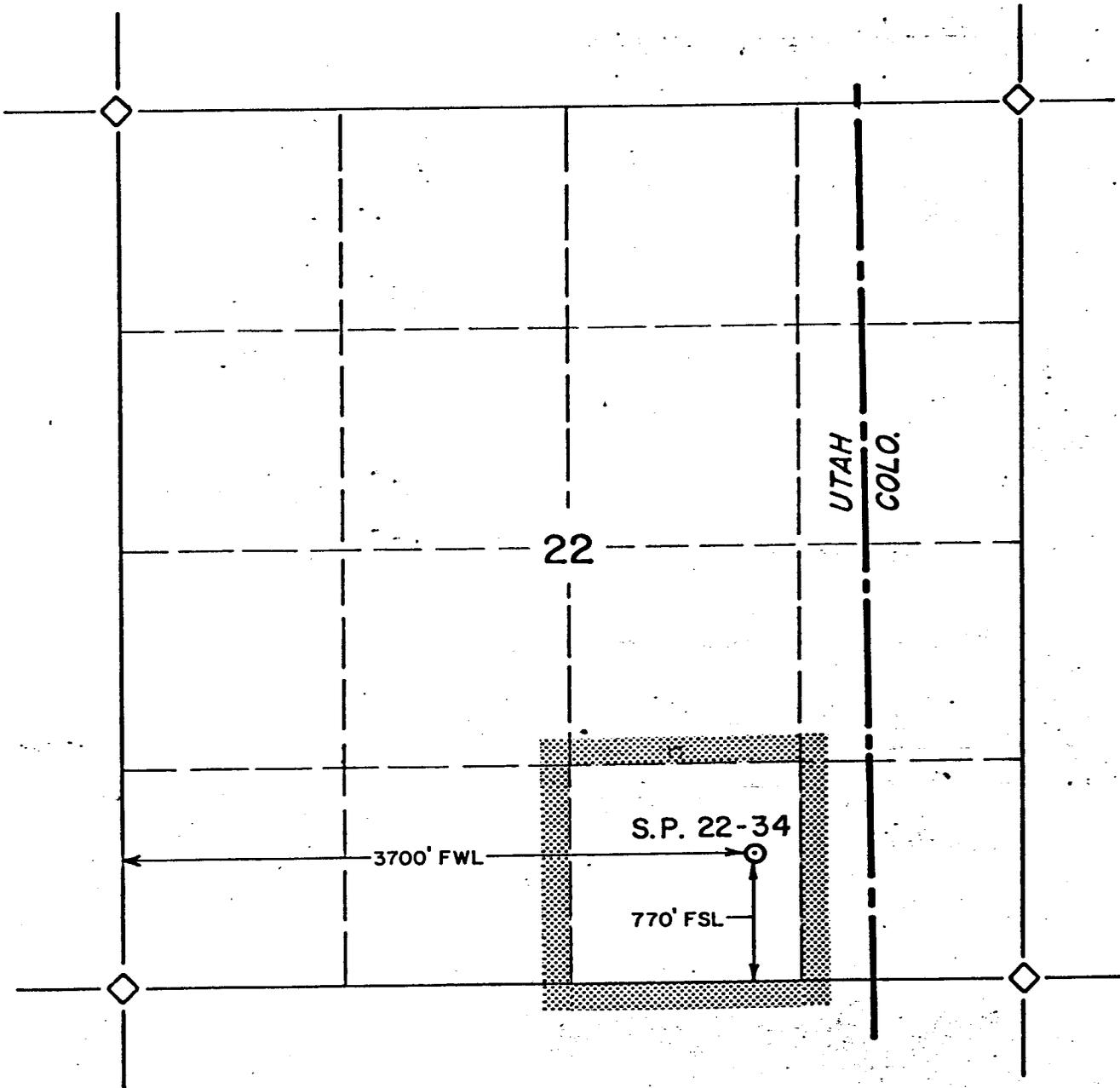
**ANTICIPATED STARTING DATE:** January 15, 1982.

DIB/lh

# THE SUPERIOR OIL CO.

OPERATOR

Well No. S. P. 22 - 34



SW/SE SECTION 22, T.41S. - R.26E.

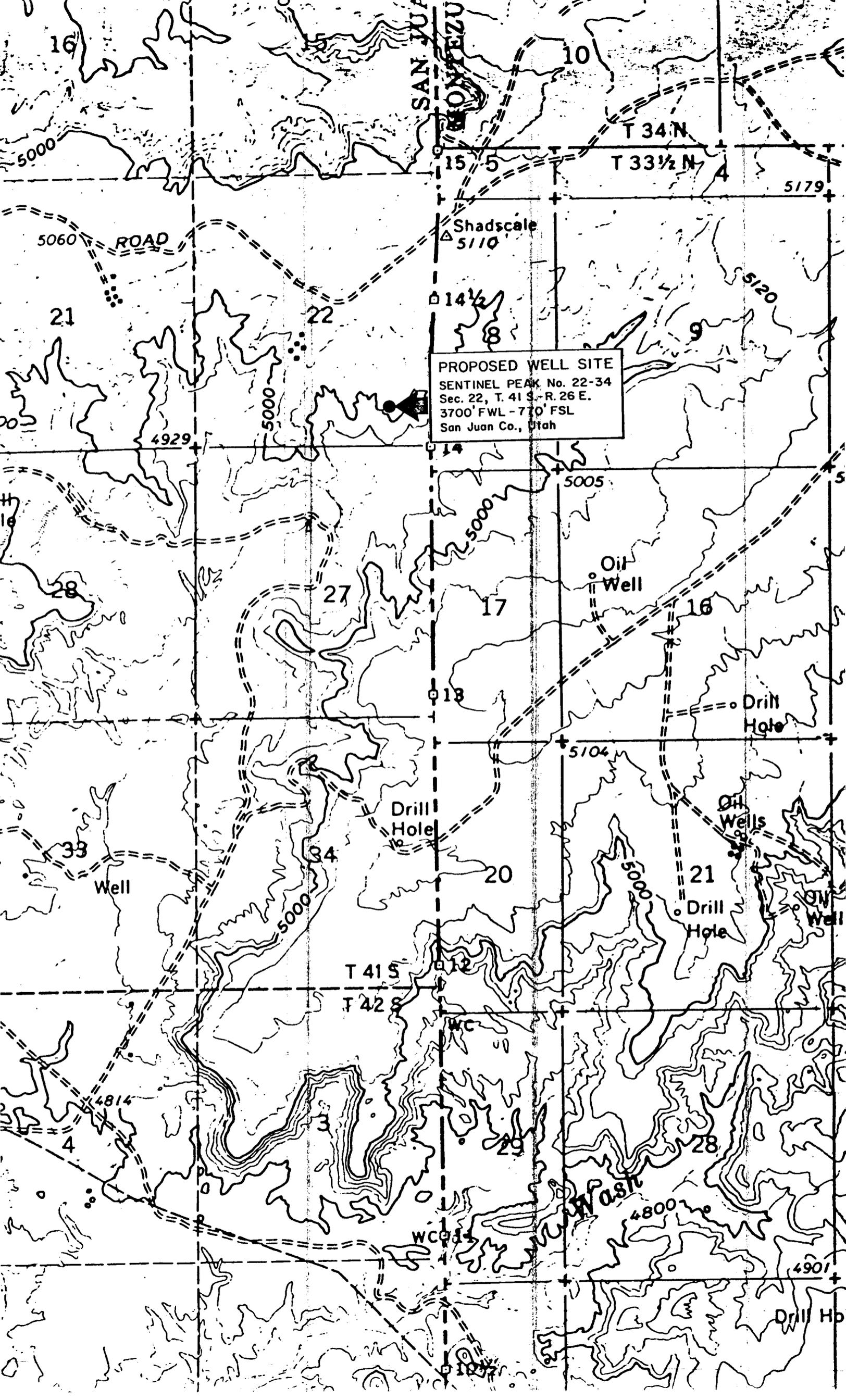


*Charles S. Hill*

Scale: 1" = 1000'



- ⊙ Location
- Well
- ⊕ Injector



PROPOSED WELL SITE  
SENTINEL PEAK No. 22-34  
Sec. 22, T. 41 S., R. 26 E.  
3700' FWL - 770' FSL  
San Juan Co., Utah

Shadscale  
5110

ROAD

Oil Well

Drill Hole

Drill Hole

Well

Oil Wells

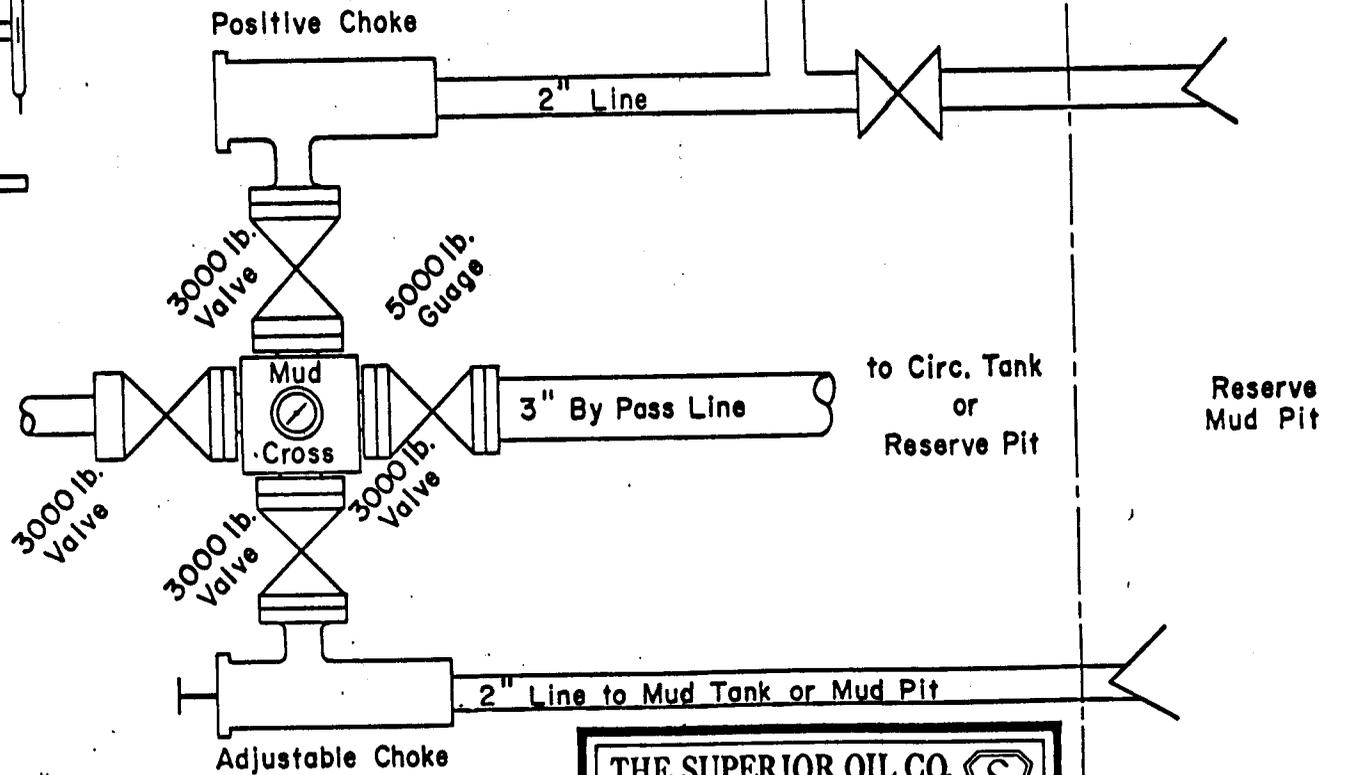
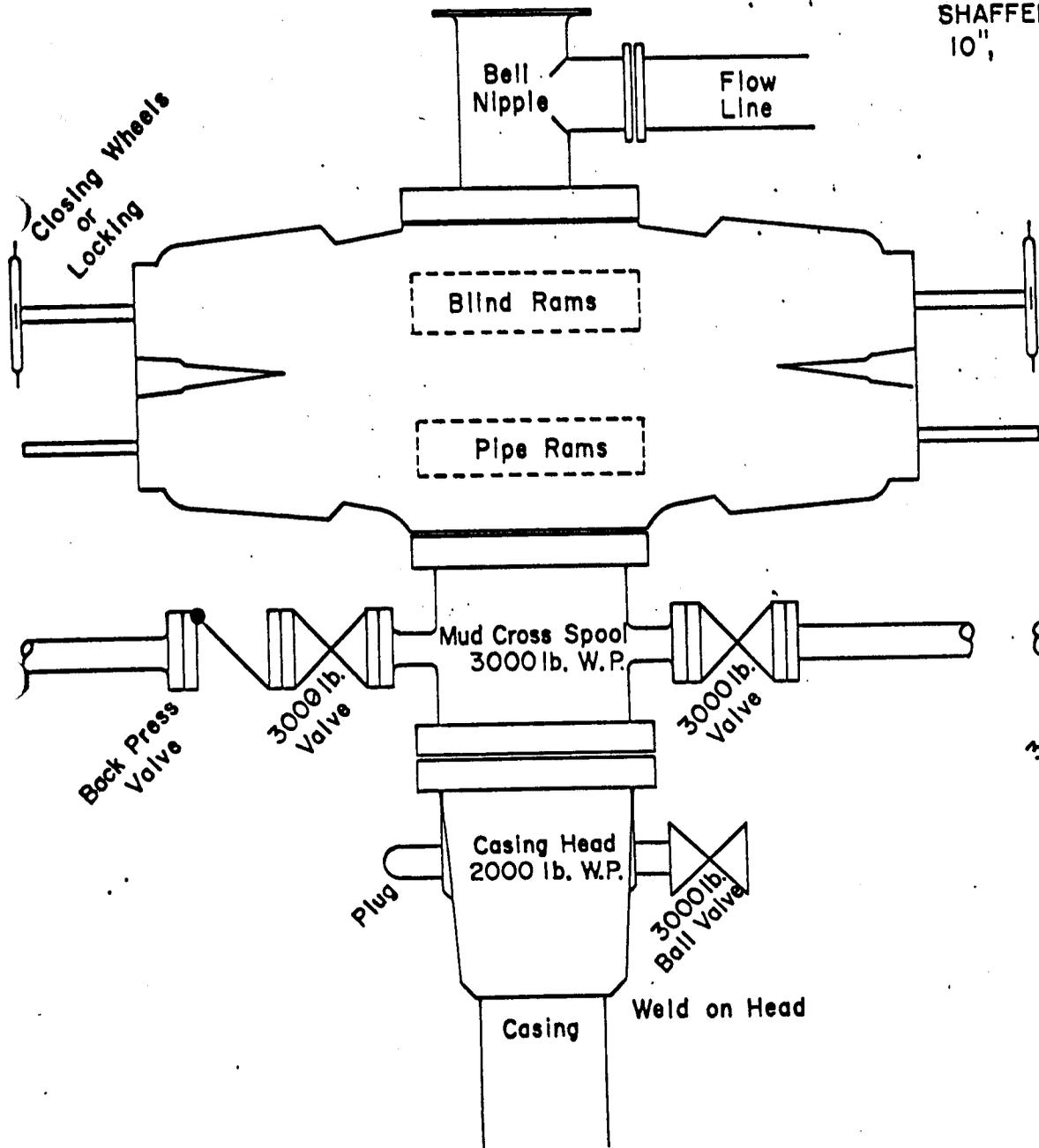
Drill Hole

Oil Well

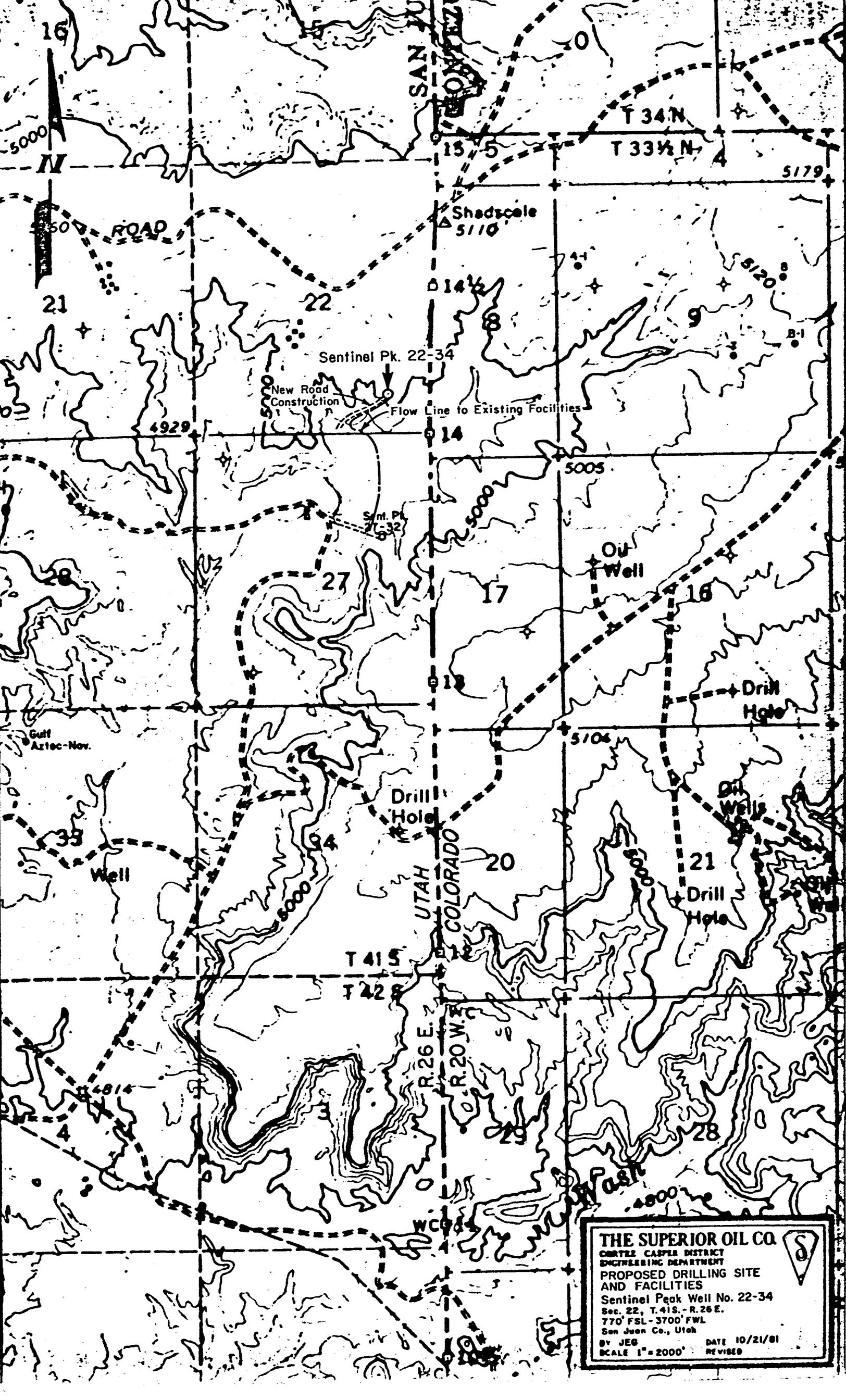
Drill Ho

Circulating Tank

SHAFFER DOUBLE GATE BLOW OUT PREVENTER  
10", 3000 lb. W.P., 6000 lb. Test, Type E

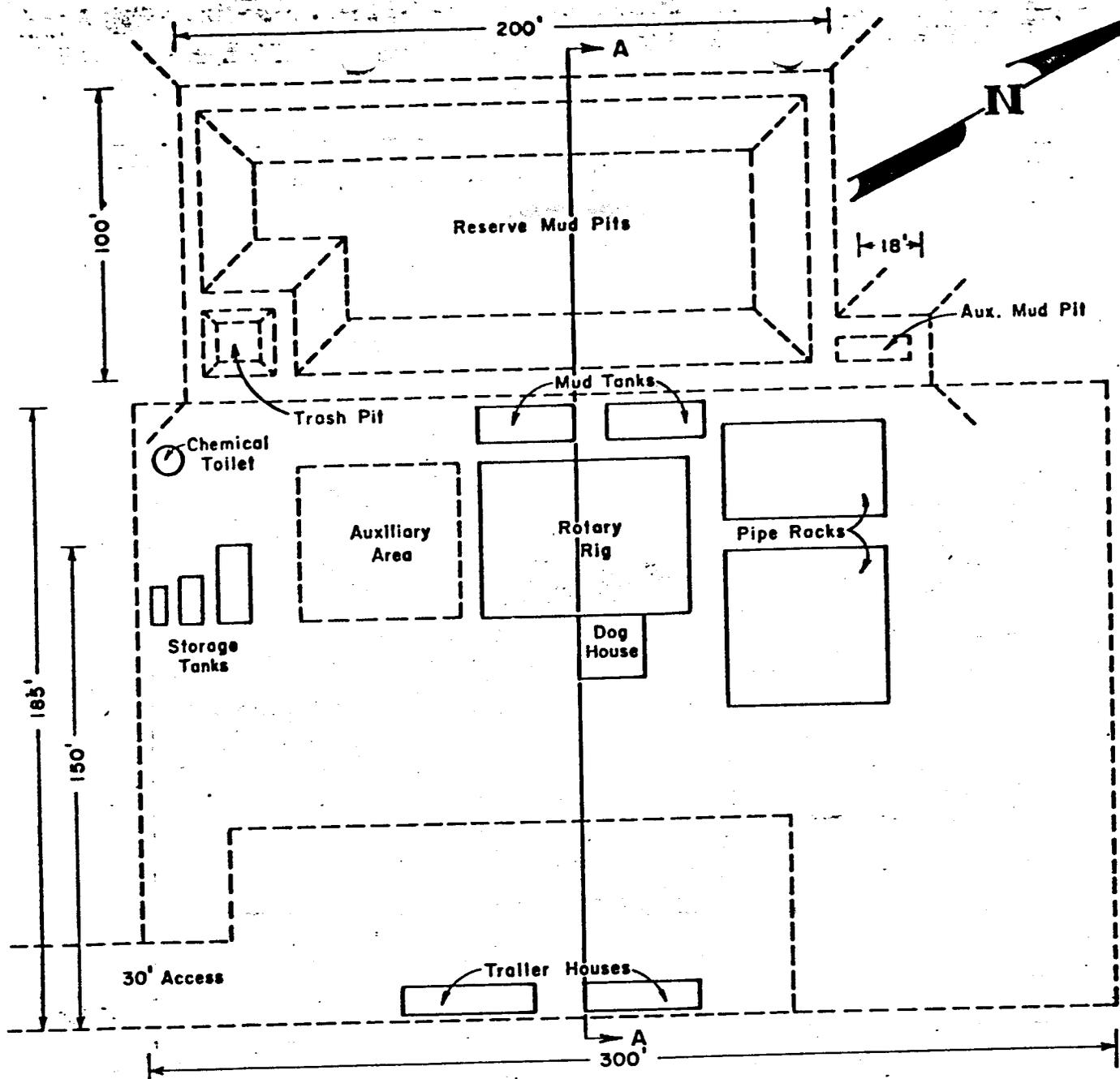


THE SUPERIOR OIL CO.   
 CORTEZ - CASPER DISTRICT  
 ENGINEERING DEPARTMENT  
 SCHEMATIC DIAGRAM  
 OF PRESSURE CONTROL  
 EQUIPMENT  
 BY JEG SCALE NONE DATE 6/28/79  
 REVISIONS



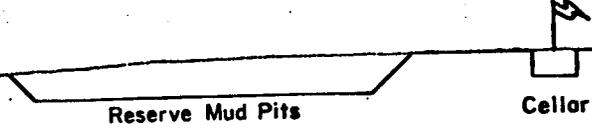
**THE SUPERIOR OIL CO.**  
 CORTEX CASPER DISTRICT  
 ENGINEERING DEPARTMENT  
**PROPOSED DRILLING SITE  
 AND FACILITIES**  
 Sentinel Peak Well No. 22-34  
 Sec. 22, T. 41 S., R. 26 E.  
 770' FSL - 3700' FWL  
 San Juan Co., Utah  
 BY JEG DATE 10/21/61  
 SCALE 1" = 2000' REVISED





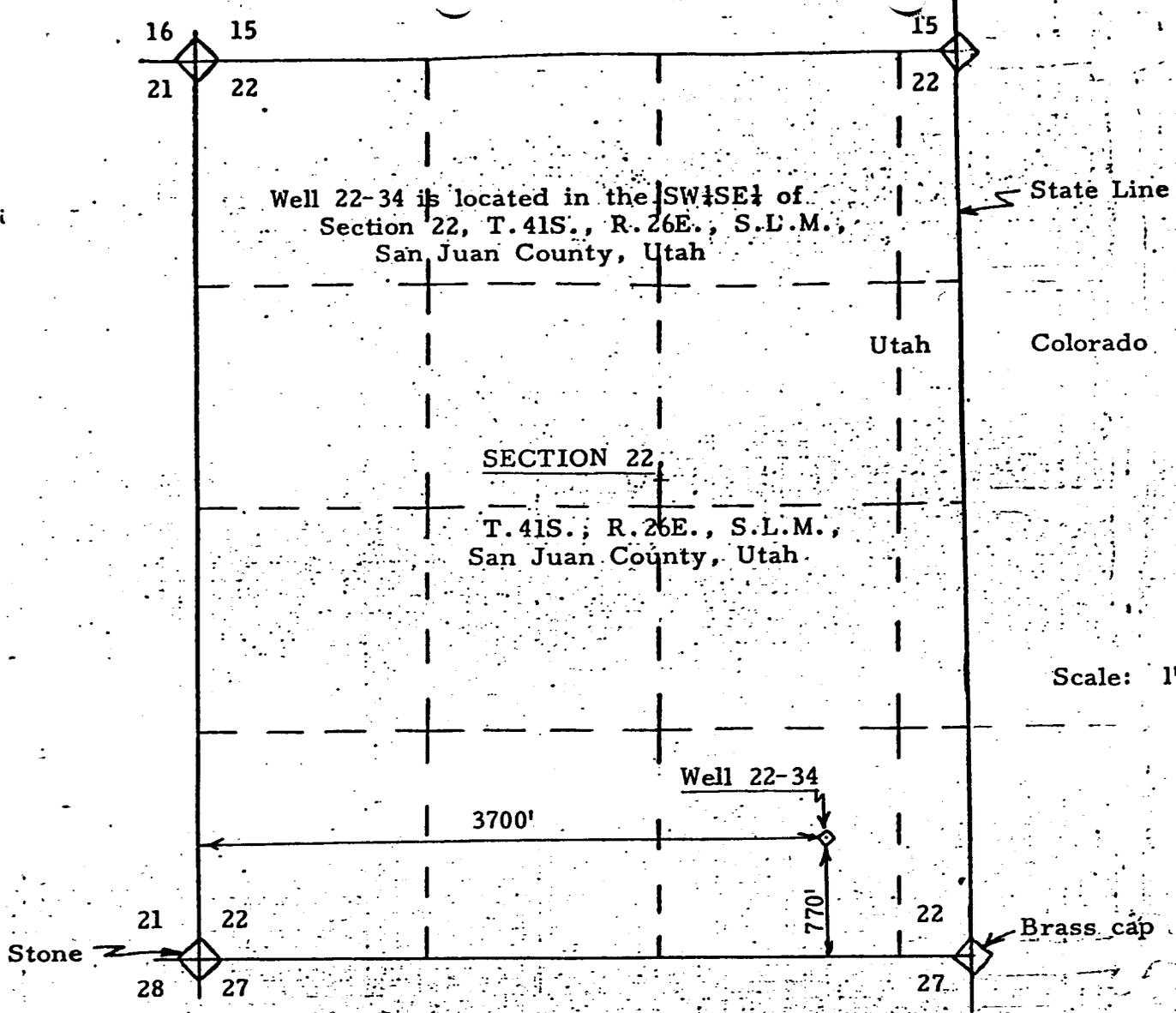
The Drilling Pad will be graded and compacted, and composed of native materials.

PROPOSED WELL SITE  
 Sent. Pk. 22-34  
 Original Elev. 5006.2'



Original Contour   
 Reference Point   
 Graded Proposal 

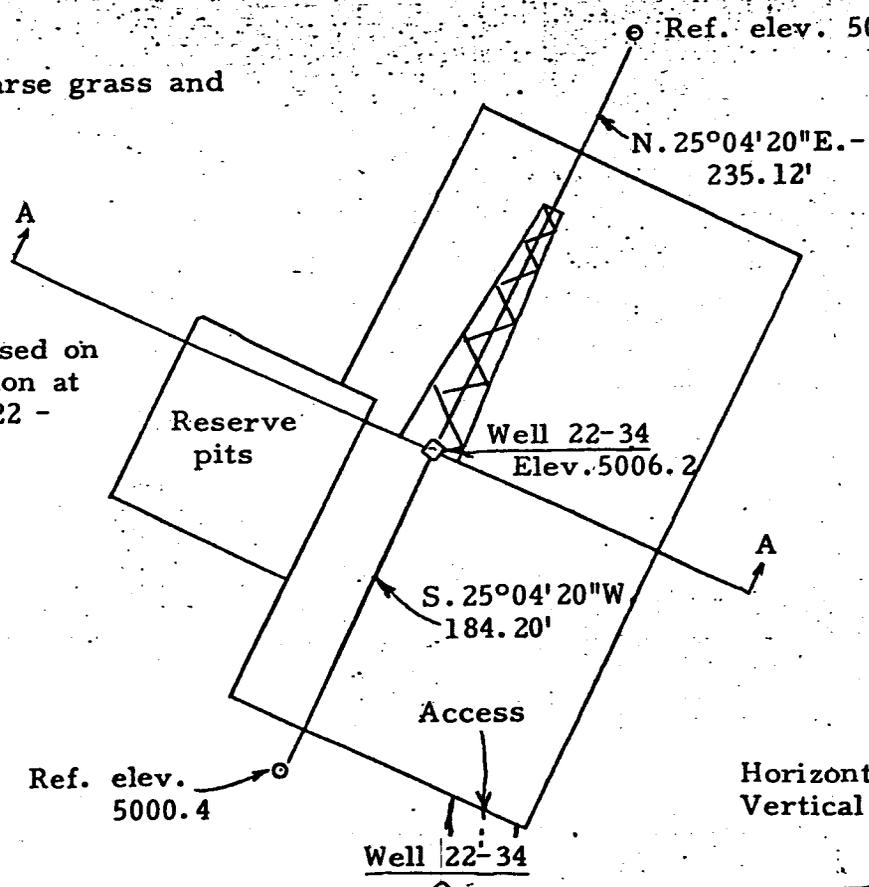
**THE SUPERIOR OIL CO.**   
 CORTEZ - CASPER DISTRICT  
 ENGINEERING DEPARTMENT  
**RIG LAYOUT & DRILL  
 PAD CROSS SECTION**  
 Well No. Sent. Pk. 22-34  
 Sec. 22, T. 41S. - R. 26 E.  
 San Juan Co., Utah  
 BY JEG DATE 10/21/81  
 SCALE 1" = 80' REVISED



Scale: 1" = 1000'

Soil: Sandy.  
Vegetation: Sparse grass and shrubs.

Elevations are based on USGS map elevation at SE Corner Sec. 22 - Elev. 4936.



1000'± new road construction required for access.

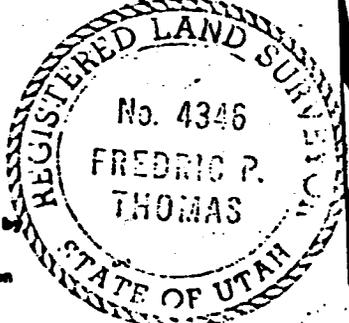
Horizontal scale: 1" = 100'  
Vertical scale: 1" = 50'

5010  
5000

KNOW ALL MEN BY THESE PRESENTS:  
THAT I, FREDRIC P. THOMAS do hereby certify that I prepared this plat from an actual and accurate survey of the land and that the same is true and correct to the best of my knowledge and belief.

*Fredric P. Thomas*

FREDRIC P. THOMAS  
Reg. L.S. and P.E.  
Colo. Reg. No. 6728  
Utah Reg. No. 4346



THOMAS Engineering Inc.

215 N. Linden  
Cortez, Colorado

565-4496

**SUPERIOR OIL**

October 20, 1981

Mr. Mike Minder  
Geological Engineer  
Division of Oil, Gas & Mining  
1588 West North Temple  
Salt Lake City, Utah 84116

Re: Sentinel Peak #22-34  
770' FSL, 3700' FWL  
Sec. 22, T41S, R26E SLM  
San Juan County, Utah

Dear Mr. Minder:

Enclosed is Superior Oil's Application for Permit to Drill for the above referenced well. This well is staked on an unorthodox location in accordance with Rule C-3 (c) General Rules and Regulations of Practice and Procedure. This is necessary due to geological conditions. Our Denver exploration office will request an exception to this rule in the very near future.

Your cooperation in this matter is appreciated.

Very truly yours,

SUPERIOR OIL COMPANY

*Charles L. Hill*

C. L. Hill  
Area Production Superintendent

DIB/lh

NOV 02 1981

OF  
OIL, GAS & MINING

**SUPERIOR OIL**

October 20, 1981

Mr. Mike Minder  
Geological Engineer  
Division of Oil, Gas & Mining  
1588 West North Temple  
Salt Lake City, Utah 84116

Re: Sentinel Peak #22-34  
770' FNL, 3700' FWL  
Sec. 22, T41S, R26E SLM  
San Juan County, Utah

Dear Mr. Minder:

Superior Oil Company controls all oil and gas mineral rights within a 660' radius of the referenced well. Superior Oil is designated as operator of Section 22, T41S, R26E, SLM from Walter Duncan Oil Properties.

Very truly yours,

SUPERIOR OIL COMPANY

*Charles L. Hill*

C. L. Hill  
Area Production Superintendent

DIB/lh

NOV 02 1981

DIVISION OF OIL, GAS & MINING

**DESIGNATION OF OPERATOR**

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

DISTRICT LAND OFFICE: Farmington, New Mexico  
SERIAL No.: N00-C-14-20-3003

and hereby designates

NAME: The Superior Oil Company  
ADDRESS: 1860 Lincoln Street, Suite 800  
Denver, Colorado

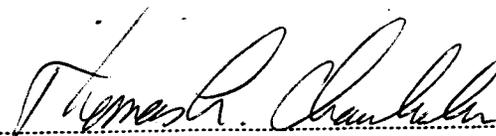
as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect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

Township 41 South, Range 26 East, SLM  
Section 22: Lots 1,2,3,4, W/2E/2, W/2 (All-Fractional)  
San Juan 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.



(Signature of lessee)

Petroleum, Inc.  
500 Colorado State Building  
Denver Colorado 80202

(Address)

July 7, 1981  
(Date)

NOV 02 1981

REGIONAL OFFICE OF  
OIL, GAS & MINING

**SUPERIOR OIL**

June 24, 1981

*Mr. Edwards*

Mr. James F. Sims  
U. S. Geological Survey  
P. O. Box 959  
Farmington, New Mexico 87401

Dear Mr. Sims:

Superior Oil submitted a preliminary staking request letter on March 9, 1981 for the Sentinel Peak #22-34. An error was made on the location. The corrected location is 770' FSL & 3700' FWL of Section 22, T41S, R26E, San Juan County, Utah.

Superior Oil still has plans to drill the subject well. We are aware of the fifteen day waiting period prior to actual staking. Thank you for your cooperation.

Sincerely,

*Henry Haven*

Henry Haven  
Production Geologist

HWH/1h

Attach.

cc: State of Utah

**REGISTERED**  
JUN 25

DIVISION OF  
OIL, GAS & MINING

**SUPERIOR OIL**

March 9, 1981

Mr. James F. Sims  
U. S. Geological Survey  
P. O. Box 959  
Farmington, New Mexico 87401

Dear Mr. Sims:

Superior Oil plans to drill the Sentinel Peak #22-34, a wildcat well in Section 22, T42S, R26E, San Juan County, Utah. The surface location of this well, subject to local topography, is 770' FSL and 3700' FWL of Section 22.

We are aware of the fifteen day waiting period prior to actual staking. Thank you for your cooperation.

Sincerely,

SUPERIOR OIL



Henry Haven  
Production Geologist

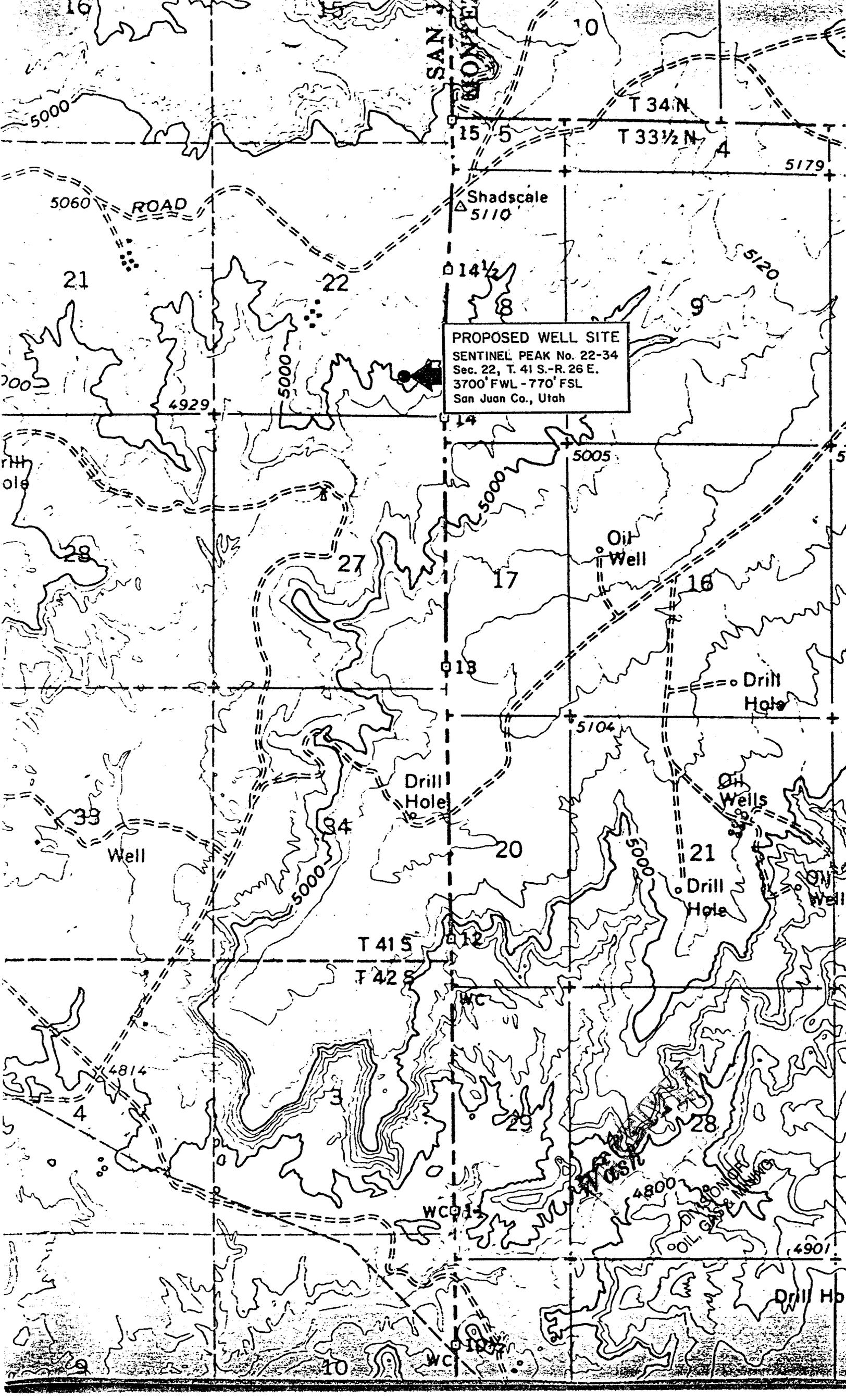
HH/aml

cc: State of Utah

bcc: R. D. Johnson  
G. A. Bannantine  
Dick Crist  
Files - H, W, C

**RECEIVED**  
MAR 10 1981

DIVISION OF  
OIL, GAS & MINING



PROPOSED WELL SITE  
SENTINEL PEAK No. 22-34  
Sec. 22, T. 41 S.-R. 26 E.  
3700' FWL - 770' FSL  
San Juan Co., Utah

Shadscale  
5110

ROAD

Oil Well

Drill Hole

Drill Hole

Oil Wells

Well

Drill Hole

Oil Well

Drill Ho

\*\* FILE NOTATIONS \*\*

DATE: November 13, 1981

OPERATOR: Superior Oil Co.

WELL NO: Sentinel Peak H22-34

Location: Sec. 22 T. 41S R. 26E County: San Juan

File Prepared:

Entered on N.I.D:

Card Indexed:

Completion Sheet:

API Number 43-037-30748

CHECKED BY:

Petroleum Engineer: \_\_\_\_\_

Director: OK as per Rule C-3(c)

Administrative Aide: OK as per Rule C-3(c)

APPROVAL LETTER:

Bond Required:

Survey Plat Required:

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

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

Approval Letter Written

Hot Line

P.I.

November 13, 1981

Superior Oil Company  
P. O. Drawer "G"  
Cortez, Colo. 81321

RE: Well No. Sentinel Peak #22-34,  
Sec. 22, T. 41S, R. 26E,  
San Juan County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well on said unorthodox location is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure.

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 43-037-30748.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Cleon B. Feight  
Director

CBF/db  
CC: USGS



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

January 15, 1982

Superior Oil Company  
P. O. Drawer "G"  
Cortez, Colorado 81321

Re: Well No. Sentinel Peak #22-34  
Sec. 22, T. 41S, R. 26E  
San Juan County, Utah

Gentlemen:

In reference to the above mentioned well, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill this well, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If you plan to drill this location at a later date, please notify as such.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

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

Cari Furse  
Clerk Typist

**SUPERIOR OIL**

January 19, 1982

State of Utah  
Natural Resources & Energy  
Division of Oil, Gas & Mining  
4241 State Office Bldg.  
Salt Lake City, Utah 84114

**RECEIVED**  
JAN 22 1982

**DIVISION OF  
OIL, GAS & MINING**

Re: Your Letter of Jan.15,'82  
Proposed Well  
Sentinel Peak #22-34  
Sec. 22, T41S, R26E  
San Juan County, Utah

Gentlemen:

Final approval by the Navajo Tribe of the Assignment of the referenced lease to Superior Oil is still pending. The final decision on the drilling of the proposed well should be made when the assignment is received.

SUPERIOR OIL COMPANY



Wm. H. Edwards  
Special Projects Superintendent

WHE/Th

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  
WALTER DUNCAN OIL PROPERTIES

3. ADDRESS OF OPERATOR  
1777 S. Harrison, Penthouse 1, Denver, CO.

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 770' FSL, 3700' FWL of Sec. 22  
AT TOP PROD. INTERVAL: Same  
AT TOTAL DEPTH: Same

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

REQUEST FOR APPROVAL TO:                      SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF   
FRACTURE TREAT   
SHOOT OR ACIDIZE   
REPAIR WELL   
PULL OR ALTER CASING   
MULTIPLE COMPLETE   
CHANGE ZONES   
ABANDON\*

(other) Request for approval to change operator.

5. LEASE  
N00-C-14-20-3003

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
NAVAJO

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
SENTINEL PEAK

9. WELL NO.  
#22-34

10. FIELD OR WILDCAT NAME  
SENTINEL PEAK-

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 22, T41S, R26E SLM

12. COUNTY OR PARISH    13. STATE  
SAN JUAN                      UTAH

14. API NO.  
43-037-30748

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
5006.2' Ungraded Ground Level

(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.)\*

The Application for Permit to Drill the above well was filed under the name The Superior Oil Company and was approved by the USGS on November 13, 1981.

Superior has elected not to be Operator for this tract and hereby declines the Designation of Operator-ship. Duncan as lessee of record will act as Operator and drill the referenced well under the APD issued to Superior, if the USGS approves.

All other details on the original APD will remain unchanged:

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

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

SIGNED G. A. BANNANTINE TITLE Reg. Group Mgr DATE February 24, 1982

(This space for Federal or State office use)

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

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: SUPERIOR OIL COMPANY

WELL NAME: Sentinal Peak #22-34

SECTION SWSE 22 TOWNSHIP 41S RANGE 26E COUNTY San Juan

DRILLING CONTRACTOR ~~Bob~~ Bayless

RIG # 1

SPUDDED: DATE 2-27-82

TIME 1:00 PM

How Rotary

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

REPORTED BY J. A. Browning

TELEPHONE # (303) 565-8806

DATE 3/1/82 SIGNED AS

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

CONFIDENTIAL INFO:  
TIGHT HOLE

Form approved.  
Budget Bureau No. 42-R355.5.

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  
Raymond T. Duncan

3. ADDRESS OF OPERATOR  
1777 So. Harrison St., P-1, Denver, CO 80210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 770' FSL, 3700' FWL  
At top prod. interval reported below Same  
At total depth same

14. PERMIT NO. \_\_\_\_\_ DATE ISSUED \_\_\_\_\_

12. COUNTY OR PARISH San Juan 13. STATE UTAH

15. DATE SPUNDED 2/27/82 16. DATE T.D. REACHED 3/19/82 17. DATE COMPL. (Ready to prod.) 3/29/82 18. ELEVATIONS (DF, REG, RT, GR, ETC.)\* 5021' KB; 5006.2 GL 19. ELEV. CASINGHEAD \_\_\_\_\_

20. TOTAL DEPTH, MD & TVD 6030' 21. PLUG, BACK T.D., MD & TVD 5992' 22. IF MULTIPLE COMPL., HOW MANY\* N/A 23. INTERVALS DRILLED BY Rotary 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* Lower Ismay: 5822-5840' 25. WAS DIRECTIONAL SURVEY MADE yes

26. TYPE ELECTRIC AND OTHER LOGS RUN Dual Induction, Acoustical, Density CNL, CBL/GR 27. WAS WELL CORED yes

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
12 1/2	48#	98'	13 3/8	to surface	
8 5/8	24#	6030'	12 1/4	900 sx	
5 1/2	15.5#	1657'	7-7/8	450 sx	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
N/A				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8	5790'	5759'

31. PERFORATION RECORD (Interval, size and number)  
Lower Ismay: 5822-5840'  
2 JSPF, 35 holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
Lower Ismay	500 gal. 15% HF acid
Acidize 5822-5840'	

33.\* PRODUCTION

DATE FIRST PRODUCTION 3-25-82 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing or shut-in) Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
3/29/82	8	48/64		73	133 est.	113	1825

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
80	0		219	400	339	38.0

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Flared TEST WITNESSED BY J.A. Browning

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 John W. Lowry TITLE Dist. Drlg & Prod. Sup. DATE 3/29/82

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

15

INSTRUCTIONS

# 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 83, 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.	MEAS. DEPTH	TOP
Lower Ismay	5810	5835	Core #1, rec 22' ls. Lost 3'.	5730	
Lower Ismay	5815	5835	DST #1, Op 10, Cl 30, Op 15, Cl 90 GTS 5 min., OTS 21 min., recovered 4600' GCC, 1200' HGCO, Sample Chamber .62 cfg @250 psi. IHP 3237 IFP 404-661 ISIP 2077 FFP 563-904 FSIP 2074 SFHP 3239	5822	
				5876	
				5925	

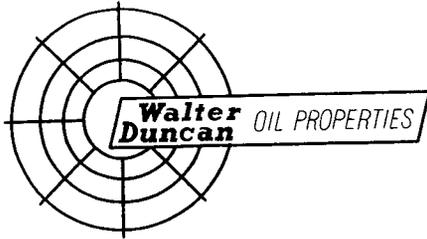
NAME	MEAS. DEPTH	TOP	DESCRIPTION, CONTENTS, ETC.
Ismay	5730		
Lower Ismay	5822		
Gothic Shale	5876		
Desert Creek	5925		

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Lower Ismay	5810	5835	Core #1, rec 22' ls. Lost 3'.
Lower Ismay	5815	5835	DST #1, Op 10, Cl 30, Op 15, Cl 90 GTS 5 min., OTS 21 min., recovered 4600' GCC, 1200' HGCO, Sample Chamber .62 cfg @250 psi. IHP 3237 IFP 404-661 ISIP 2077 FFP 563-904 FSIP 2074 SFHP 3239

\* (See instructions and spaces for Additional Data on Reverse Side)

DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
UNITED STATES



1777 SOUTH HARRISON STREET • PENTHOUSE ONE  
TELEPHONE (303) 759-3303 • DENVER, COLORADO 80210

March 29, 1982

Utah Division of Oil, Gas & Mining  
1588 West North Temple  
Salt Lake City, UT 84116

ATTN: Cleon B. Feight

CONFIDENTIAL  
TIGHT HOLE INFORMATION

Re: Sentinel Peak 22-34  
Sec. 22-41S-26E  
San Juan Co., UT

Dear Sir:

Attached are two copies of the completion report for the above-captioned well.

We are requesting that this information be kept confidential for the maximum period allowed under Utah State law.

If you have questions or need additional information, please contact our office.

Very truly yours,  
RAYMOND T. DUNCAN

John W. Lowry  
Drilling and Production Superintendent

JWL:cl  
Encl.

**RECEIVED**  
APR 02 1982

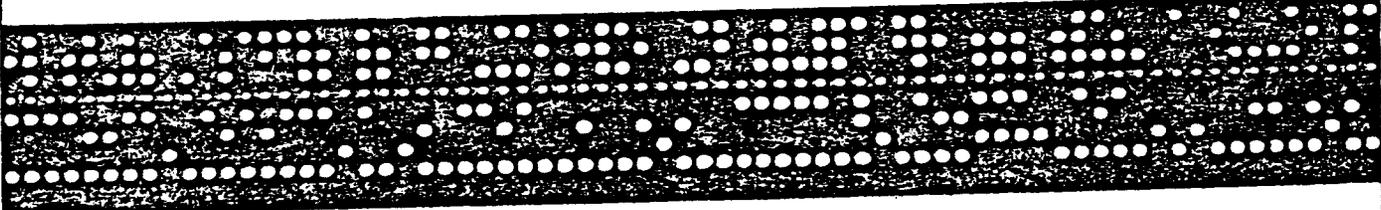
DIVISION OF  
OIL, GAS & MINING

JS-165

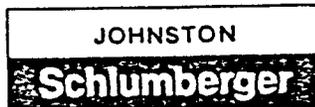
COMPANY RAYMOND T. DUNCAN WELL SENTINEL PEAK #22-34 TEST NO. 1 COUNTY SAN JUAN STATE UTAH

JOHNSTON  
**Schlumberger**

**computerized  
data  
analysis**



FIELD REPORT NO.: 42729 E



## COMPUTERIZED DATA ANALYSIS

MARCH 23, 1982

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 1580 BBL/DAY OF OIL WAS NOTED DURING THIS TEST.
2. RESERVOIR PRESSURE: EXTRAPOLATION OF THE INITIAL SHUT-IN PRESSURE BUILD-UP INDICATES A MAXIMUM RESERVOIR PRESSURE OF 2090 P.S.I.A. AT RECORDER DEPTH. EXTRAPOLATION OF THE FINAL SHUT-IN PRESSURE BUILD-UP INDICATES A MAXIMUM RESERVOIR PRESSURE OF 2087 P.S.I.A. AT RECORDER DEPTH. THE DIFFERENCE BETWEEN THE INITIAL AND FINAL SHUT-IN PRESSURE OF 3 P.S.I. IS INSIGNIFICANT.
3. PERMEABILITY: THE CALCULATED TRANSMISSIBILITY FACTOR OF 2873.8 MD.-FT./CP. INDICATES AN AVERAGE EFFECTIVE PERMEABILITY TO OIL OF 309.9 MD. FOR THE REPORTED 8 FOOT NET INTERVAL. THE CALCULATIONS WERE BASED ON A SLOPE OF 82.9 P.S.I./LOG CYCLE OBTAINED FROM THE FINAL SHUT-IN BUILD-UP PLOT. IT WAS ASSUMED FOR THESE CALCULATIONS: (A) THE 45°API AT 60°F. OIL CONTAINED 500 CU.FT./BBL. OF ORIGINAL DISSOLVED GAS, (B) VISCOSITY .64 CP., (C) FORMATION VOLUME FACTOR 1.25 BBL/BBL. THESE FIGURES WERE OBTAINED FROM THE AVAILABLE TECHNICAL LITERATURE.
4. WELLBORE DAMAGE: THE CALCULATED DAMAGE RATIO OF 2.32 INDICATES THAT WELLBORE DAMAGE IS PRESENT AT THE TIME AND CONDITIONS OF THIS TEST. THE PRESSURE DROP DUE TO DAMAGE IS ESTIMATED TO BE 673 P.S.I.
5. RADIUS OF INVESTIGATION: THE CALCULATED RADIUS OF INVESTIGATION OF THIS TEST IS 583 FEET BASED ON AN ASSUMED POROSITY OF 6%, COMPRESSIBILITY OF  $10 \times 10^{-6}$ , AND OTHER ASSUMPTIONS MADE IN NUMBER 3 ABOVE.
6. GENERAL COMMENTS: THE FORMATION EXHIBITS THE CHARACTERISTICS OF RELATIVELY HIGH PERMEABILITY EFFECTIVE TO THE RESERVOIR FLUID AND INDICATES THE PRESENCE OF WELLBORE DAMAGE. AN ANOMALY WAS NOTED IN THE FINAL SHUT-IN BUILD-UP PLOT, WHICH IS INDICATIVE OF AN AREA OF REDUCED TRANSMISSIBILITY AWAY FROM THE WELLBORE.

*Gary Zolnosky (Diff)*

GARY ZOLNOSKY  
DENVER RESERVOIR EVALUATION DEPARTMENT

RAYMOND T. DUNCAN  
SENTINEL PEAK #22-34; SAN JUAN COUNTY  
UTAH; SEC. 22 T41S R26E

FIELD REPORT NO.: 42729 E

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.

# Reservoir Engineering Data

 Recorder No. J-1117

 Field Report No. 42729E

Damage Ratio	DR	2.32	Effective Transmissibility TO OIL	$\frac{Kh}{\mu B}$	3873.8	$\frac{Md-ft.}{Cp.}$
Maximum Reservoir Pressure INITIAL SHUT-IN	$P_o$	2075 P.S.I.G.	Effective Transmissibility	$\frac{Kh}{\mu B}$		$\frac{Md-ft.}{Cp.}$
Slope of Shut-in Curve FINAL SHUT-IN	M	82.9 PSI/log cycle	Flow Rate OIL	Q	1580	Bbl./day
Potentiometric Surface (Datum Plane, Sea Level)	PS	4014 ft.	Pressure Gradient		.356	PSI ft.
Productivity Index	PI	1.34 Bbl./day/PSI	Gas Oil Ratio ESTIMATED	GOR	500	CF/Bbl.
Radius of Investigation		583 ft.	K (Effective to OIL)		309.9	Md.

SLOPE M = 2087 - 2004.1 = 82.9 P.S.I./LOG CYCLE  
 Assumptions made for Calculations for Liquid Recoveries

- Q is averaged at a constant rate.
- $P_f$  is formation flowing pressure at a constant rate.
- Formation flow is taken as single phase flow.  
If gas is produced at surface, phase separation is assumed to have occurred in drill pipe.
- Radial flow is assumed.

5. For the purpose of calculating EDR where specific reservoir parameters are not available it is assumed that:

Effective permeability, K, will fall between ..... 1 to 200 md  
 Formation porosity,  $\phi$ , will fall between ..... 0.1 to 0.3  
 Fluid compressibility, c, will fall between .....  $10^{-4}$  to  $10^{-6}$   
 Fluid viscosity,  $\mu$ , will fall between ..... 0.05 to 50 cp.  
 Well bore radius,  $r_w$ , will fall between ..... 3" to 4"

Which gives an average value for the function  $\log \frac{K}{\phi \mu c r_w^2}$  of ..... 5.5

6. Other standard radial flow, equilibrium assumptions.

Empirical Equations:

1.  $EDR = \frac{P_o - P_f}{M(\log T + 2.65)}$  where  $M = \frac{P_i - P_w}{\text{Log Cycle}}$

2. Transmissibility  $\frac{Kh}{\mu B} = \frac{162.6 Q}{M}$

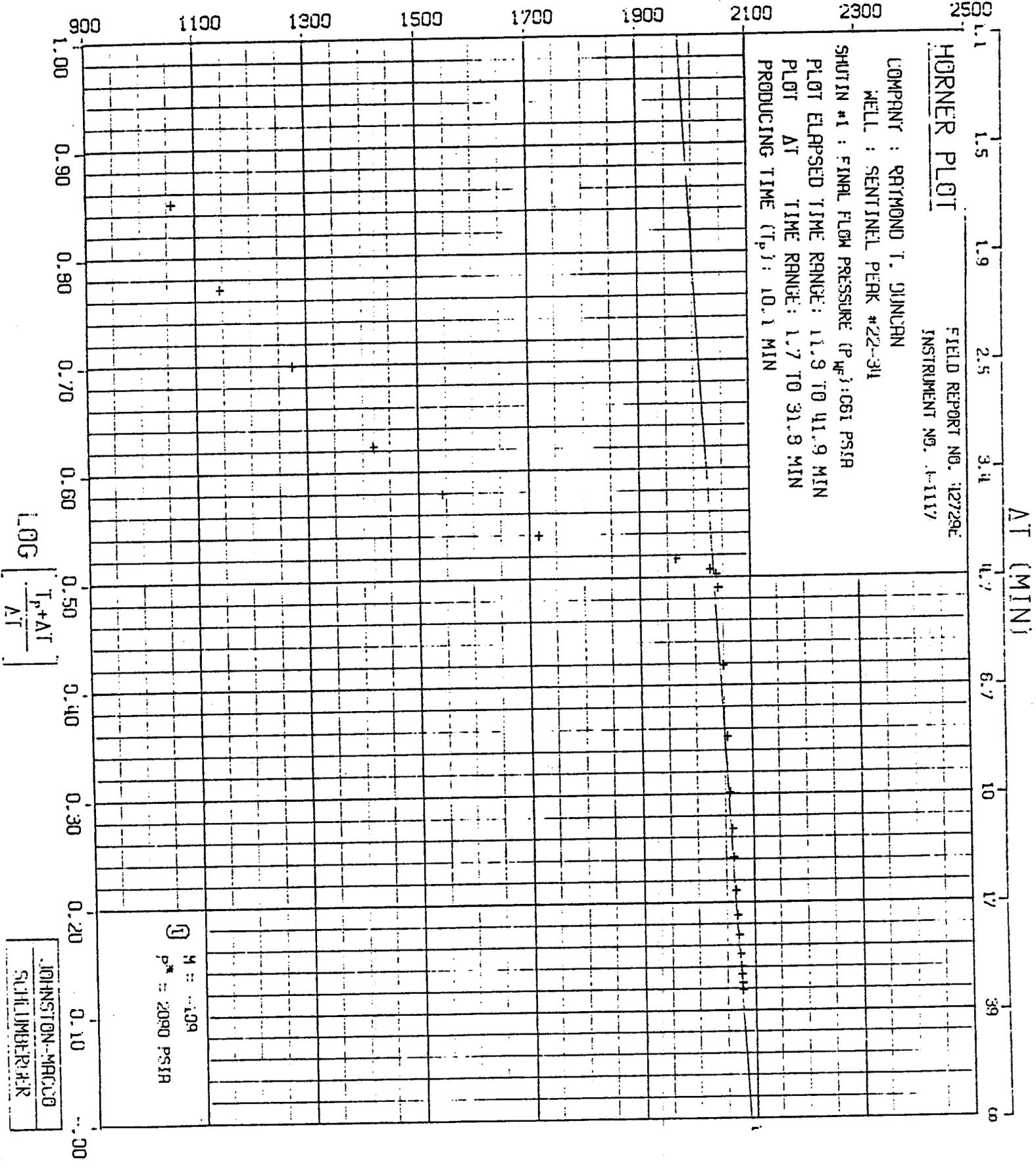
3. DST J =  $\frac{Q}{P_o - P_f}$  Theoretical J =  $\frac{7.08 \cdot 10^{-4} Kh}{\mu B \ln(r_e/r_w)}$  Assumed  $\ln(r_e/r_w) = 7.60$

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

5. Radius of investigation,  $r_i = \sqrt{\frac{Kt}{40\phi\mu c}}$  where t = 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 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.

# SHUT IN PRESSURE (PSIA)



**HORNER PLOT**

FIELD REPORT NO. 12729E  
 INSTRUMENT NO. 1-1117

COMPANY : RAYMOND T. DUNCAN

WELL : SENTINEL PEAK #22-31

SHUT IN #1 : FINRL FLOW PRESSURE (P<sub>WF</sub>): 661 PSIA

PLOT ELAPSED TIME RANGE: 11.9 TO 41.9 MIN

PLOT ΔT TIME RANGE: 1.7 TO 31.8 MIN

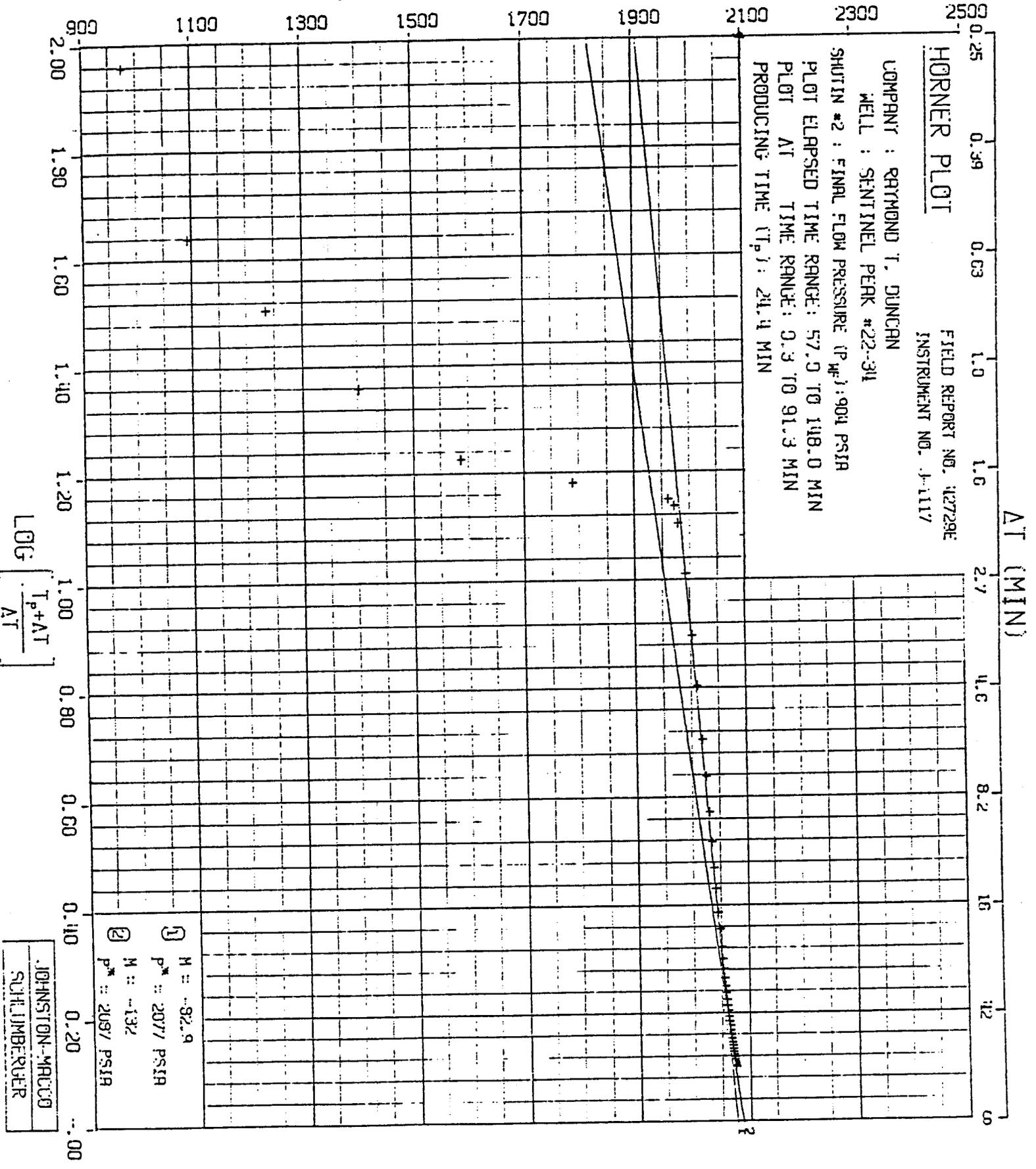
PRODUCING TIME (T<sub>p</sub>): 10.1 MIN

# SHUT IN PRESSURE (PSIA)

## HORNERS PLOT

FIELD REPORT NO. 112729E  
INSTRUMENT NO. 1-1117

COMPANY : RAYMOND T. DUNCAN  
WELL : SENTINEL PEAK #22-34  
SHUT IN #2 : FINAL FLOW PRESSURE (P<sub>wf</sub>): 904 PSIA  
PLOT ELAPSED TIME RANGE: 57.0 TO 148.0 MIN  
PLOT AT TIME RANGE: 0.3 TO 91.3 MIN  
PRODUCING TIME (T<sub>p</sub>): 24.4 MIN



H = -82.9  
 P\* = 2077 PSIA  
 M = -132  
 P\* = 2097 PSIA

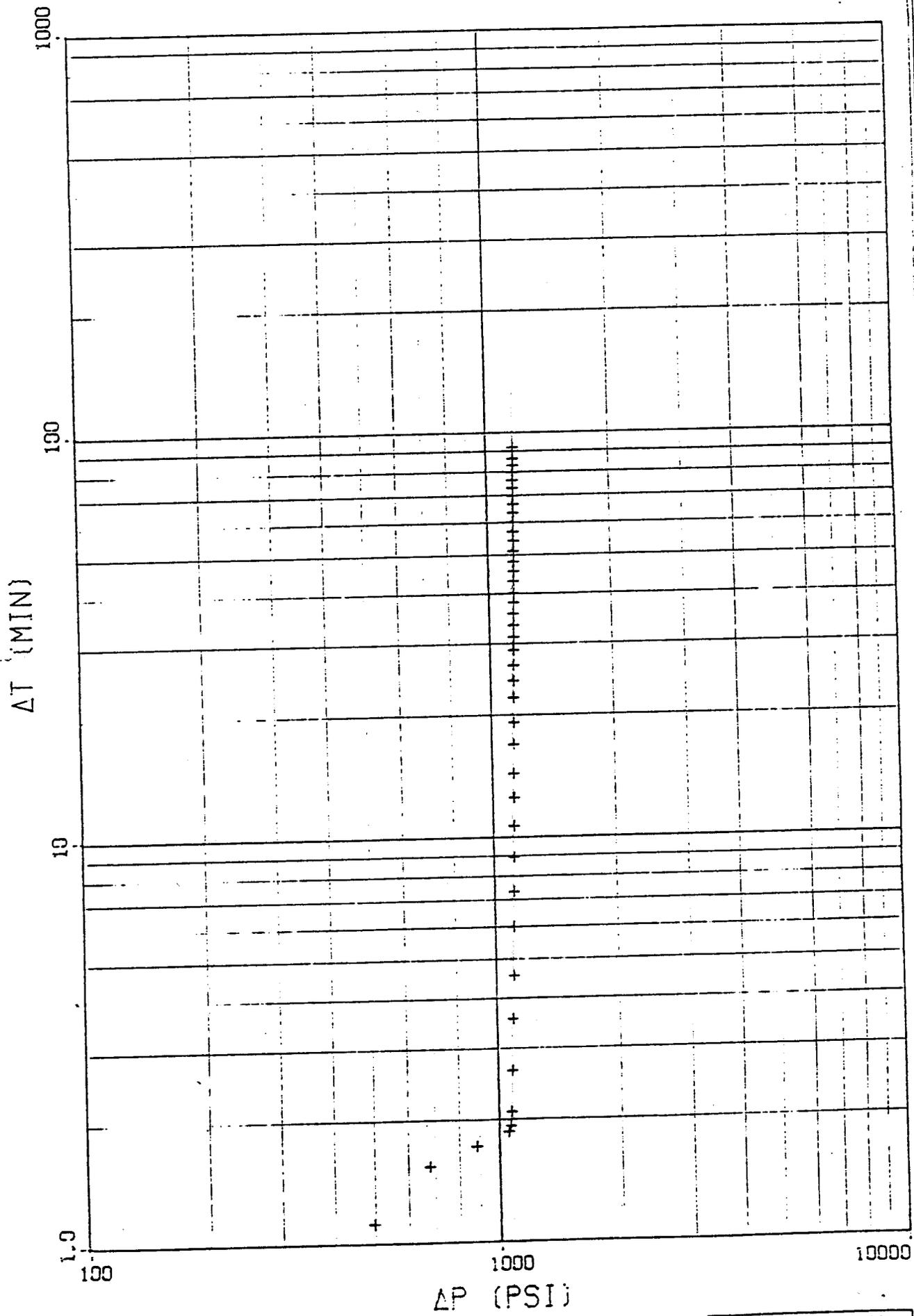
JOHNSTON-MARCO  
SOUTHLIMBER

$$\text{LOG} \left[ \frac{T_p + AT}{AT} \right]$$

**LOG LOG PLOT**

COMPANY : RAYMOND T. DUNCAN  
 WELL : SENTINEL PEAK #22-34  
 FIELD REPORT NO. 42729E  
 INSTRUMENT NO. J-1117

SHUTIN #2 :  
 FINAL FLOW PRESSURE (P<sub>wf</sub>) : 904 PSIA  
 PLOT ELAPSED TIME RANGE : 57.9 TO 118.0 MIN  
 PLOT AT TIME RANGE : 1.1 TO 91.3 MIN



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

## WELL IDENTIFICATION

1. WELL	:	SENTINEL PEAK #22-34
2. COMPANY	:	RAYMOND T. DUNCAN
3.	:	1777 S. HARRISON P-1
4.	:	DENVER, COLORADO 80200
5. CUSTOMER	:	SAME
6.	:	
7.	:	
8. FIELD	:	WILD CAT
9. COUNTY	:	SAN JUAN
10. STATE/PROV.	:	UTAH
11. LOCATION	:	SEC. 22 T41S R26E
12. TECHNICIAN	:	CRUMB (VERNAL)
13. TEST APPROVED BY	:	MR. J. A. BROWNING
14. TEST DATE	:	3-17-82
15. DEPTH REFERENCE	:	KELLY BUSHING
16. DEPTH REFERENCE ELEVATION	:	S.L. 5021. FT

## HOLE INFORMATION

1. THE HOLE IS STRAIGHT.	
2. TOTAL DEPTH	: 5835. FT
3. OPEN HOLE DIAMETER	: 7.88 IN

## MUD INFORMATION

1. MUD TYPE	:	GEL - CHEMICAL
2. MUD WEIGHT	:	10.4 LB/GAL
3. MUD VISCOSITY	:	38. MARSH FUNNEL SEC
4. CORRECTED WATER LOSS	:	10.0 CC/30 MIN
5. MUD RESISTIVITY	:	0.69 OHM-M
6. MUD RES. MEAS. TEMP.	:	60.0 DEG F
7. MUD FILTRATE RESISTIVITY	:	0.85 OHM-M
8. MUD FILT. RES. MEAS. TEMP.	:	62.0 DEG F
9. MUD CHLORIDES CONTENT	:	14000.0 PPM BY WEIGHT

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

TEST INFORMATION

1. FIELD REPORT NUMBER : 42729E  
 2. TEST TYPE : M.F.E. OPEN HOLE  
 3. TEST NUMBER : 1  
 4. TELEFLOW IN USE ? : NO  
 5. SSSDR OR J-300 IN USE ? : NO  
 6. SPRO 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	5170.	
2	DRILL COLLARS	2.25	6.25	602.	
3	TEST STRING	0.93	5.00	63.	

TEST STRING PLACEMENT

1. TEST TYPE CODE 1 - ON BOTTOM : 5810. FT & 5815. FT  
 2. PACKER DEPTHS

TEST ZONE DESCRIPTION

#	FORMATION NAME	TOP (FT)	BOTTOM (FT)	PRODUCTION ZONE	
				THICKNESS (FT)	POROSITY (%)
1	ISMAY			8.	6.

TEST CONDITIONS

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

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

TEST TOOL SAMPLE CHAMBER RECOVERY DATA

SAMPLE PRESSURE : 250. PSIG  
 OIL GRAVITY : DEG. API @ DEG F  
 GAS/OIL RATIO : FT3/BBL  
 GAS/LIQUID RATIO : FT3/BBL

SAMPLE CHAMBER CONTENTS

FLUID	VOLUME	RESISTIVITY		CHLORIDES
GAS	0.62 FT3			
OIL	CC			
WATER	CC	OHM-M @	DEG F	PPM
MUD	CC	OHM-M @	DEG F	
TOTAL LIQUID	CC			

RECOVERY INFORMATION

DESCRIPTION	FEET	Z OIL	Z H2O	OTH	API DEG.	DEG.F	RESISTIVITY OHM-M	DEG.F	CHL PPM
1 GAS CUT OIL	4600				45	60			
2 HEAVILY GAS CUT OIL	1200								

SURFACE INFORMATION

DESCRIPTION	TIME	PRESSURE	CHOKE SIZE
1 SET PACKER	0615	-	-
2 OPENED TOOL	0643	5	1/4"
3	0648	86	"
4 GAS TO SURFACE - OPENED FLARE	0653	125	"
5 CLOSED FOR INITIAL SHUT-IN	0654	-	"
6 FINISHED SHUT-IN	0724	-	"
7 RE-OPENED TOOL	0725	35	1/2"
8	0727	45	"
9	0730	42	"
10	0731	37	"
11	0733	33	"
12 OIL TO SURFACE	0735	31	"
13	0736	60	"
14	0737	63	"
15	0739	70	"

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

	DESCRIPTION	TIME	PRESSURE	CHOKE SIZE
16		0740	77	"
17	CLOSED FOR FINAL SHUT-IN	0741	-	"
18	FINISHED SHUT-IN	0911	-	"
19	PULLED PACKER LOOSE	0912	-	-
20	STARTED REVERSING	0920	-	-
21	FINISHED REVERSING	0936	-	-
22				

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

FIELD REPORT # : 42729E

COMPANY : RAYMOND T. DUNCAN  
 WELL : SENTINEL PEAK #22-34

INSTRUMENT # : J-1117  
 CAPACITY [PSI] : 4700.  
 DEPTH [FT] : 5826.0  
 PORT OPENING : OUTSIDE  
 TEMPERATURE [DEG F] : 137.0

LAJEL POINT INFORMATION

\*\*\*\*\*

#	TIME		EXPLANATION	BOT HOLE	
	OF DAY	DATE		ELAPSED	PRESSURE
	HH:MM:SS	DD-MM		TIME, MIN	PSIA
*****					
1	6:14:2	17-MR	HYDROSTATIC MUD	-28.97	3237
2	6:43:0	17-MR	START FLOW	0.00	404
3	6:53:8	17-MR	END FLOW & START SHUT-IN	10.13	661
4	7:24:54	17-MR	END SHUT-IN	41.90	2077
5	7:25:28	17-MR	START FLOW	42.46	563
6	7:39:41	17-MR	END FLOW & START SHUT-IN	56.68	904
7	9:11:0	17-MR	END SHUT-IN	148.00	2074
8	9:19:28	17-MR	HYDROSTATIC MUD	156.46	3239

SUMMARY OF FLOW PERIODS

\*\*\*\*\*

PERIOD	START ELAPSED TIME, MIN	END ELAPSED TIME, MIN	DURATION MIN	START PRESSURE PSIA	END PRESSURE PSIA
1	0.00	10.13	10.13	404	661
2	42.46	56.68	14.22	563	904

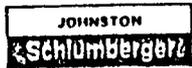
SUMMARY OF SHUTIN PERIODS

\*\*\*\*\*

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	10.13	41.90	31.77	661	2077	661	10.13
2	56.68	148.00	91.32	904	2074	904	24.35

FIELD REPORT NO.: 42729 E

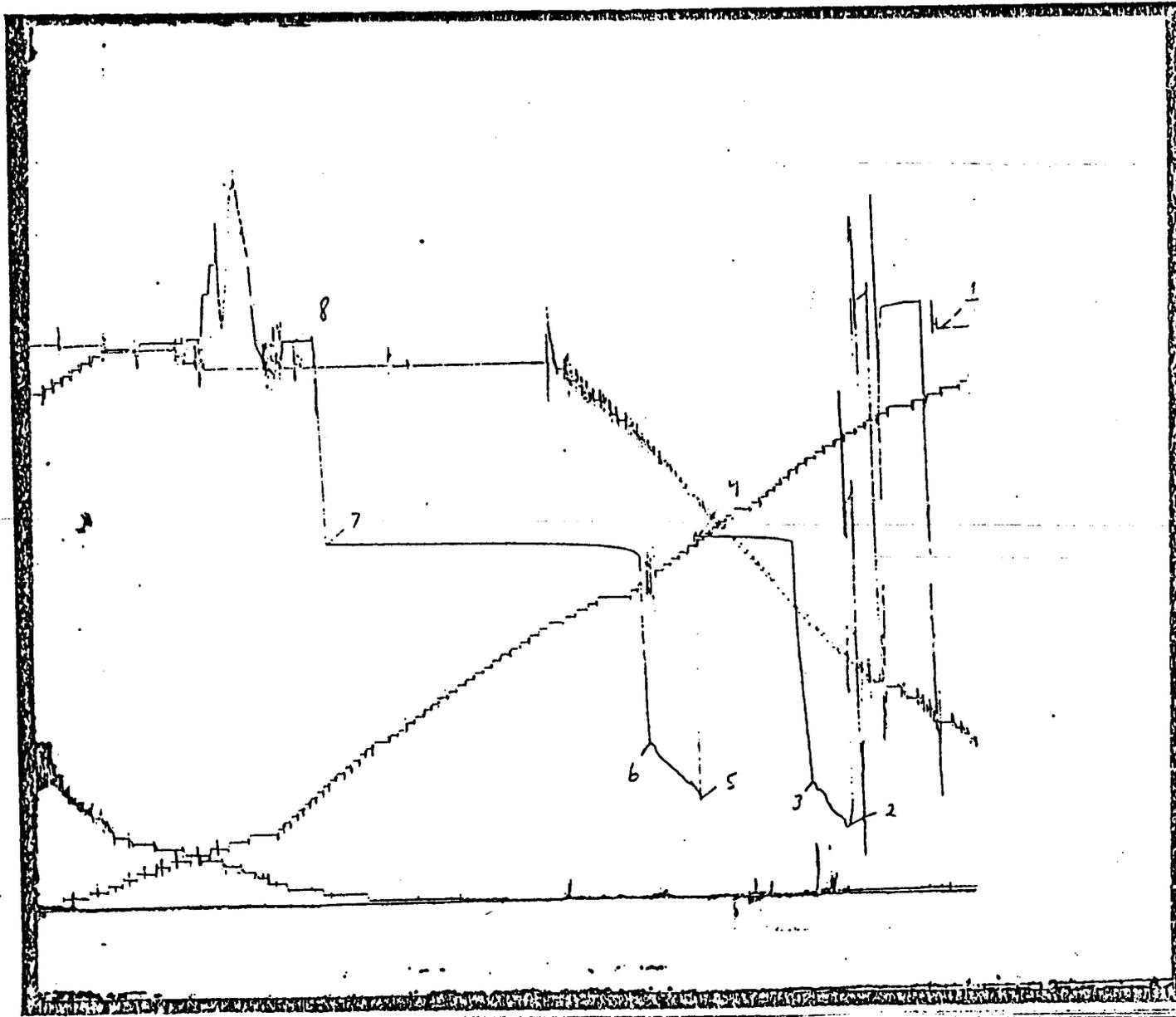
CAPACITY: 4700#



INSTRUMENT NO.: J-1117

NUMBER OF REPORTS: 12

CYCLED TOOL SEVERAL TIMES BEFORE BEGINNING TEST.



# BOTTOMHOLE PRESSURE LOG

FIELD REPORT NO. 42729E

COMPANY : RAYMOND T. DUNCAN

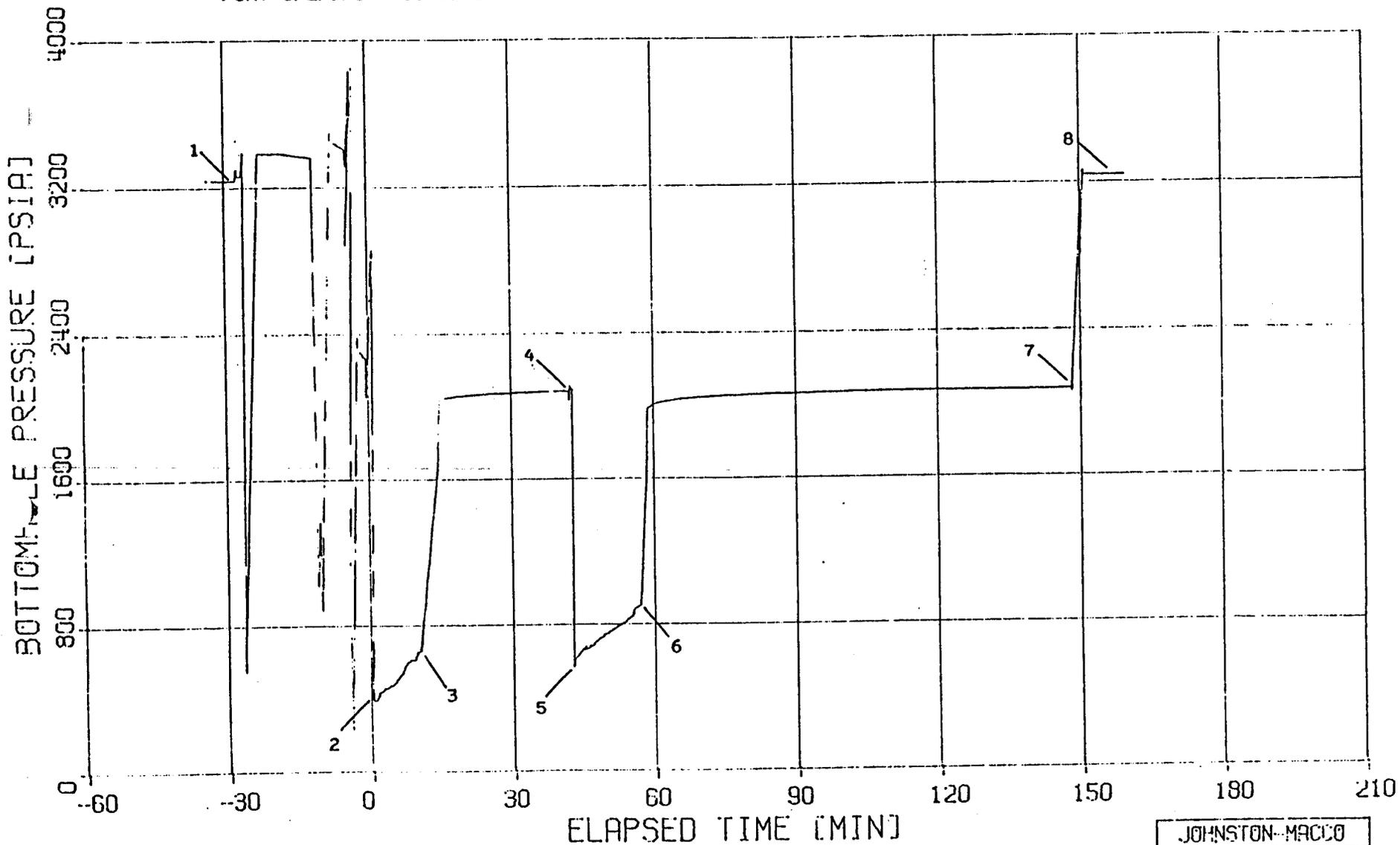
INSTRUMENT NO. J-1117

WELL : SENTINEL PEAK #22-34

DEPTH : 5826 FT

CAPACITY : 4700 PSI

PORT OPENING : OUTSIDE



JOHNSTON-MACCO  
SCHLUMBERGER

FIELD REPORT # : 42729E

TEST PHASE : FLOW PERIOD # 1

TIME OF DAY HH:MM:SS	DATE DD-MM	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA
6:43: 0	17-MR	0.00	0.00	404
6:48: 0	17-MR	5.00	5.00	497
6:53: 0	17-MR	10.00	10.00	659
6:53: 8	17-MR	10.13	10.13	661

TEST PHASE : SHUTIN PERIOD # 1  
 FINAL FLOW PRESSURE [PSIA] = 661  
 PRODUCING TIME [MIN] = 10.13

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
6:53: 8	17-MR	10.13	0.00	661	0	
6:54: 8	17-MR	11.13	1.00	895	234	1.046
6:55: 8	17-MR	12.13	2.00	1131	471	0.783
6:56: 8	17-MR	13.13	3.00	1383	723	0.641
6:57: 8	17-MR	14.13	4.00	1679	1019	0.548
6:58: 8	17-MR	15.13	5.00	2041	1380	0.481
6:59: 8	17-MR	16.13	6.00	2046	1386	0.429
7: 0: 8	17-MR	17.13	7.00	2050	1389	0.389
7: 1: 8	17-MR	18.13	8.00	2053	1393	0.355
7: 2: 8	17-MR	19.13	9.00	2056	1395	0.327
7: 3: 8	17-MR	20.13	10.00	2058	1397	0.304
7: 5: 8	17-MR	22.13	12.00	2061	1401	0.266
7: 7: 8	17-MR	24.13	14.00	2064	1403	0.236
7: 9: 8	17-MR	26.13	16.00	2066	1406	0.213
7:11: 8	17-MR	28.13	18.00	2068	1407	0.194
7:13: 8	17-MR	30.13	20.00	2070	1409	0.178
7:15: 8	17-MR	32.13	22.00	2071	1411	0.164
7:17: 8	17-MR	34.13	24.00	2073	1412	0.153
7:19: 8	17-MR	36.13	26.00	2074	1414	0.143
7:21: 8	17-MR	38.13	28.00	2075	1415	0.134
7:23: 8	17-MR	40.13	30.00	2076	1416	0.126
7:24:54	17-MR	41.90	31.77	2077	1416	0.120

FIELD REPORT # : 42729E

TEST PHASE : FLOW PERIOD # 2

TIME OF DAY HH:MM:SS	DATE DD-MM	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA
7:25:28	17-MR	42.46	0.00	563
7:30:28	17-MR	47.46	5.00	706
7:35:28	17-MR	52.46	10.00	792
7:39:41	17-MR	56.68	14.22	904

TEST PHASE : SHUTIN PERIOD # 2  
 FINAL FLOW PRESSURE [PSIA] = 904  
 PRODUCING TIME [MIN] = 24.35

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
7:39:41	17-MR	56.68	0.00	904	0	
7:40:41	17-MR	57.68	1.00	1345	441	1.404
7:41:41	17-MR	58.68	2.00	1974	1070	1.120
7:42:41	17-MR	59.68	3.00	1995	1091	0.960
7:43:41	17-MR	60.68	4.00	2006	1102	0.850
7:44:41	17-MR	61.68	5.00	2013	1109	0.769
7:45:41	17-MR	62.68	6.00	2018	1114	0.704
7:46:41	17-MR	63.68	7.00	2023	1119	0.651
7:47:41	17-MR	64.68	8.00	2027	1123	0.607
7:48:41	17-MR	65.68	9.00	2030	1126	0.569
7:49:41	17-MR	66.68	10.00	2032	1128	0.536
7:51:41	17-MR	68.68	12.00	2037	1132	0.481
7:53:41	17-MR	70.68	14.00	2040	1136	0.438
7:55:41	17-MR	72.68	16.00	2043	1139	0.402
7:57:41	17-MR	74.68	18.00	2045	1141	0.372
7:59:41	17-MR	76.68	20.00	2047	1143	0.346
8: 1:41	17-MR	78.68	22.00	2049	1145	0.324
8: 3:41	17-MR	80.68	24.00	2051	1147	0.304
8: 5:41	17-MR	82.68	26.00	2053	1148	0.287
8: 7:41	17-MR	84.68	28.00	2054	1150	0.272
8: 9:41	17-MR	86.68	30.00	2055	1151	0.258
8:14:41	17-MR	91.68	35.00	2058	1154	0.229
8:19:41	17-MR	96.68	40.00	2060	1156	0.206
8:24:41	17-MR	101.68	45.00	2062	1158	0.188
8:29:41	17-MR	106.68	50.00	2064	1160	0.172
8:34:41	17-MR	111.68	55.00	2065	1161	0.159
8:39:41	17-MR	116.68	60.00	2067	1163	0.148
8:44:41	17-MR	121.68	65.00	2068	1164	0.138
8:49:41	17-MR	126.68	70.00	2069	1165	0.130
8:54:41	17-MR	131.68	75.00	2071	1167	0.122
8:59:41	17-MR	136.68	80.00	2072	1168	0.115
9: 4:41	17-MR	141.68	85.00	2073	1169	0.109
9: 9:41	17-MR	146.68	90.00	2074	1170	0.104
9:11: 0	17-MR	148.00	91.32	2074	1170	0.103

CORE ANALYSIS RESULTS

for

RAYMOND T. DUNCAN

SENTINEL PEAK NO. 22-34  
WILDCAT  
SAN JUAN COUNTY, UTAH

RECEIVED

APR 09 1982

DIVISION OF  
OIL, GAS & MINING

RAYMOND T. DJNCAN  
SENTINEL PEAK NO. 22-34  
WILDCAT  
SAN JUAN COUNTY

FORMATION : LOWER ISMAY  
DRLG. FLUID: WBM  
LOCATION : SE, SE SEC. 22-41S-26E  
STATE : UTAH

DATE : 3-16-82  
FILE NO. : RP-3-3195  
ANALYSTS : GG:DS  
ELEVATION: 5021 KB

FULL DIAMETER CORE ANALYSIS--BOYLES LAW HELIUM POROSITY

SAMP. NO.	DEPTH	PERM. TO AIR (MD) MAX.	90 DEG.	POR. B.L.	FLUID OIL	SATS. WATER	GR. DNS.	DESCRIPTION
1	5810-11 5811-5812	<0.01	*	1.0	0.0	41.4		LM-GRY, VF XLN LIMESTONE--NO ANALYSIS
2	5812-13 5813-5814	<0.01	*	0.6	0.0	37.6		LM-GRY, VF XLN LIMESTONE--NO ANALYSIS
3	5814-15 5815-5816	<0.01	*	1.7	0.0	52.5		LM-GRY, VF XLN LIMESTONE--NO ANALYSIS
4	5816-17 5817-5818	<0.01	*	1.6	0.0	53.5		LM-GRY, VF XLN, CHT LIMESTONE--NO ANALYSIS
5	5818-19 5819-5820	<0.01	*	2.5	4.3	69.5		LM-GRY, VF XLN LIMESTONE--NO ANALYSIS
6	5820-21 5821-5822	<0.01	*	2.4	4.5	54.3		LM-GRY, VF XLN LIMESTONE--NO ANALYSIS
7	5822-23	<0.01	*	0.7	9.2	18.5	2.75	LM-GRY, VF XLN, SL/ANHY
8	5823-24	<0.01	*	1.0	8.3	33.0	2.71	LM-GRY, VF XLN
9	5824-25	<0.01	*	1.5	6.5	39.3	2.70	LM-GRY, VF XLN, SL/VUG-W/CA
10	5825-26	0.42	0.33	3.8	5.5	22.1	2.70	LM-GRY, VF XLN, SL/VUG-W/CA
11	5826-27	1.3	1.0	4.5	6.3	25.2	2.70	LM-GRY, VF XLN, SL/VUG-W/CA
12	5827-28	0.05	*	4.1	5.5	38.4	2.70	LM-GRY, VF XLN, SL/VUG-W/CA
13	5828-29	5.0	3.1	5.9	1.8	14.5	2.70	LM-GRY, VF XLN, VUG-W/CA
14	5829-30	0.08	*	5.6	3.3	26.5	2.70	LM-GRY, VF XLN, VUG-W/CA, STY
15	5830-31	1053	*	7.7			2.71	LM-GRY, VF XLN, VUG-W/CA
16	5831-32 5832-5835	87	*	11.1			2.71	LM-GRY, VF XLN, VUG, -W/CA CORE LOSS--NO RECOVERY

\* Sample unsuitable for full diameter core analysis, conventional plug used.  
R Rubble  
Samples without grain densities are summation of fluids porosity.

CORE LABORATORIES, INC.  
Petroleum Reservoir Engineering  
DALLAS, TEXAS

JOB NO.	RP-3-3195	
FORMATION	LOWER ISMAY	
DEPTH INTERVAL	5825	5830
INTERVAL THICKNESS (FEET)	5	
FEET INCLUDED IN AVERAGE	5	
TOTAL PERMEABILITY	6.85	
AVERAGE PERM ARITHMETIC	1.37	
AVERAGE PERMEABILITY GEOMETRIC	0.41	
TOTAL POROSITY	23.9	
AVERAGE POROSITY	4.8	
AVERAGE B/A-F	370.8	
TOTAL OIL SATURATION	22.4	
OIL SATURATION ARITHMETIC AVER.	4.5	
OIL SATURATION POR. AVER.	4.2	
TOTAL WATER SATURATION	126.7	
WATER SAT. ARITHMETIC AVERAGE	25.3	
WATER SAT. POR. AVER.	24.6	
FORMATION VOLUME FACTOR	1.4	
AVERAGE CONNATE WATER	18.0	
STOCK TANK OIL IN PLACE	217.2	

5810-25 NONPRODUCTIVE  
5825-32 BELIEVED TO BE OIL PRODUCTIVE



CORE LABORATORIES, INC.

Petroleum Reservoir Engineering

COMPANY RAYMOND T. DUNCAN FIELD WILDCAT FILE RP-3-3195  
 WELL SENTINEL PEAK NO. 22-34 COUNTY SAN JUAN DATE 3-17-82  
 LOCATION SE,SE SEC.22-41S-26E STATE UTAH ELEV. 5021 KB

# CORE-GAMMA CORRELATION

These analyses, comments or interpretations are based on observations and material supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted). But Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representation as to the productivity, proper operation, or profitability of any oil, gas or other mineral well or sand or otherwise with which such report is used or relied upon.

VERTICAL SCALE: 5" = 100'

## CORE-GAMMA SURFACE LOG (PATENT APPLIED FOR)

GAMMA RAY  
RADIATION INCREASE  
→

## COREGRAPH

TOTAL WATER ———  
PERCENT TOTAL WATER  
80 60 40 20 0

LOWER ISMAY FORMATION

PERMEABILITY ———

MILLIDARCS

100 50 10 5 1

POROSITY ———

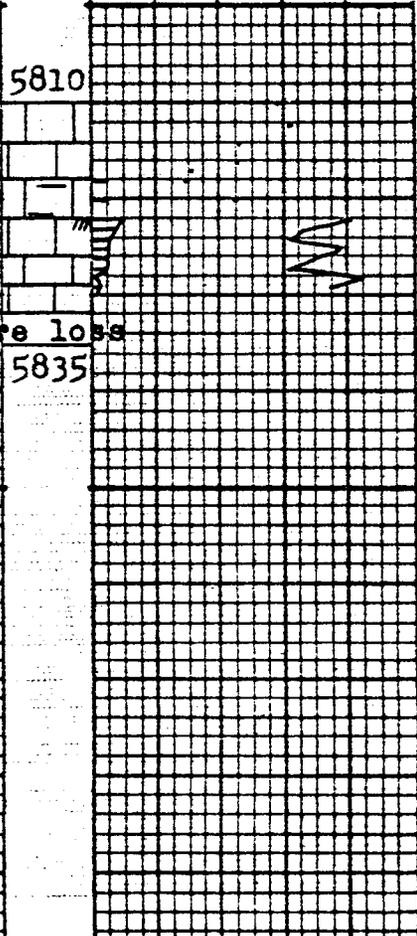
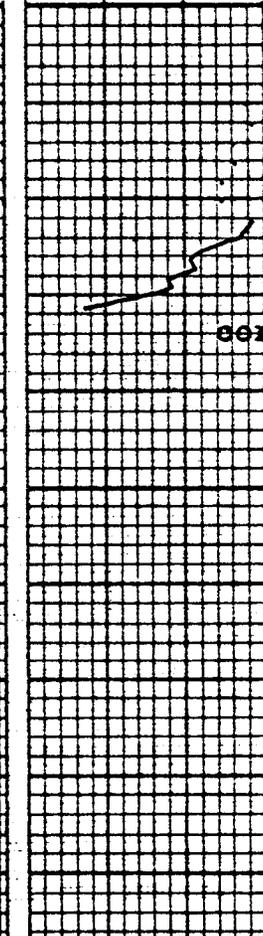
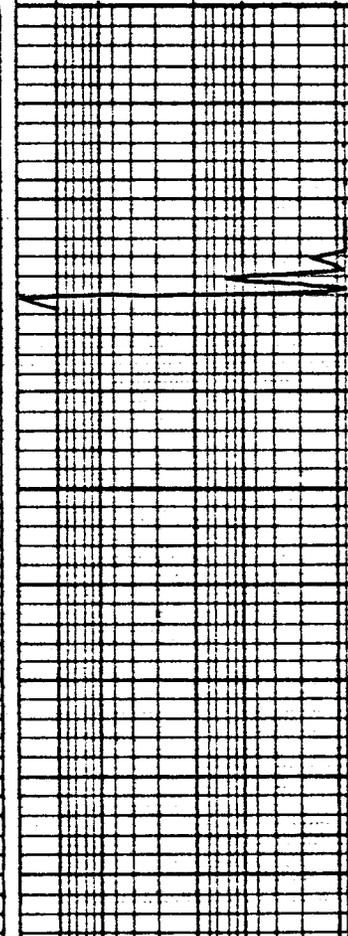
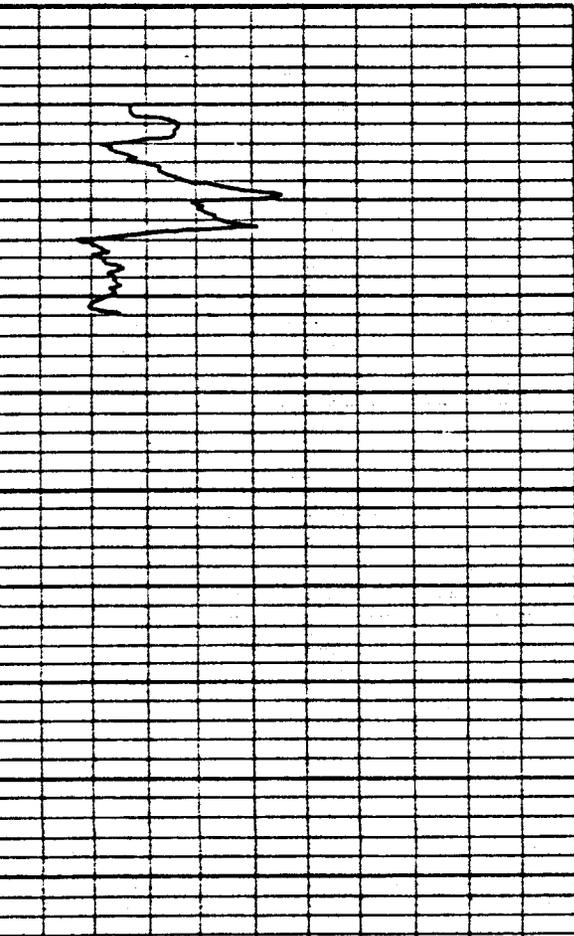
PERCENT

15 10 5 0

OIL SATURATION ———

PERCENT PORE SPACE

0 20 40 60 80



5810

core loss  
5835

# CHEMICAL & GEOLOGICAL LABORATORIES

D

P. O. Box 2794  
Casper, Wyoming 82601

## CRUDE OIL ANALYSIS REPORT

<b>Company</b>	Raymond T. Duncan	<b>Date</b>	3-29-82	<b>Lab. No.</b>	40208-1
<b>Well No.</b>	Sentinel Peak 22-34	<b>Location</b>	415 26E Sec 22		
<b>Field</b>		<b>Formation</b>			
<b>County</b>	San Juan	<b>Depth</b>			
<b>State</b>	Utah	<b>Analyzed by</b>	KCM		

DST Top Sample  
(3-18-82)

### GENERAL CHARACTERISTICS

Specific gravity @ 60/60 °F.....	0.8158
A.P.I. gravity @ 60 °F.....	41.9
Saybolt Universal Viscosity @ 70°F., seconds.....	36.0
Saybolt Universal Viscosity @ 100°F., seconds.....	32.9
B. s. and water, % by volume.....	6.9
Pour point, °F.....	below zero
Total sulphur, % by weight.....	0.22

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APR 02 1982

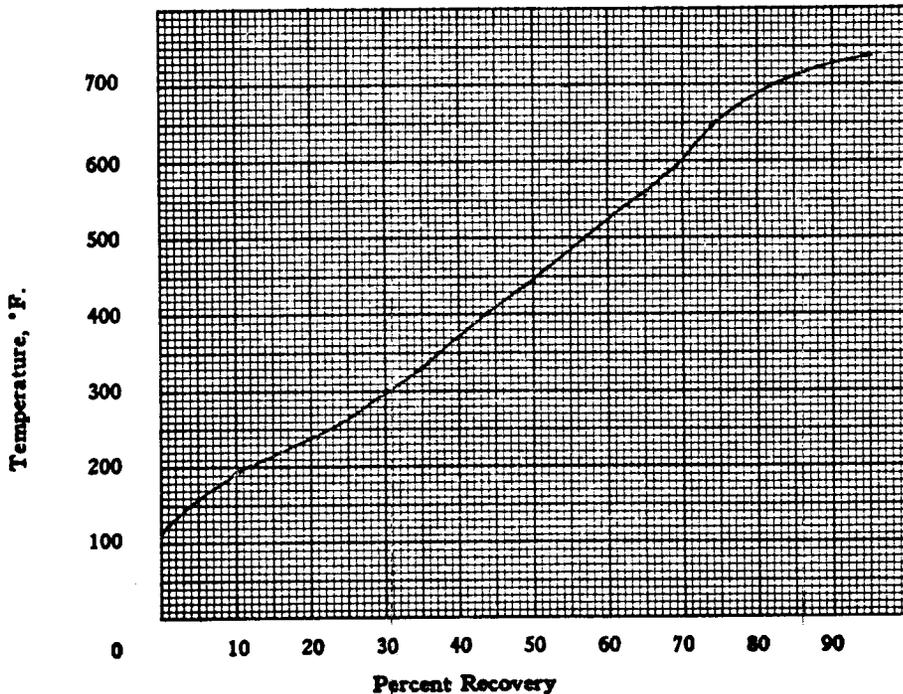
REMARKS:

DIVISION OF  
OIL, GAS & MINING

### ENGLER DISTILLATION

Recovery, %	Temperature, °F.
IBP .....	116
5 .....	156
10 .....	190
15 .....	215
20 .....	240
25 .....	263
30 .....	301
35 .....	330
40 .....	370
45 .....	410
50 .....	440
55 .....	484
60 .....	524
65 .....	563
70 .....	606
75 .....	656
80 .....	694
85 .....	715
90 .....	725
95 .....	738
E.P. ....	

### DISTILLATION GRAPH



#### Approximate Recovery

Recovery, %.....	96.0
Residue, %.....	3.0
Loss, %.....	1.0

300 EP gasoline, %.....	30.0
392 EP gasoline, %.....	43.0
500 EP distillate, %.....	13.5

# CHEMICAL & GEOLOGICAL LABORATORIES

P.O. Box 2794  
Casper, Wyoming 82602

## GAS ANALYSIS REPORT

Company Raymond T. Duncan Date 3-24-82 Lab. No. 40208-2  
 Well No. Sentinel Peak 22-34 Location \_\_\_\_\_  
 Field \_\_\_\_\_ Formation \_\_\_\_\_  
 County San Juan Depth \_\_\_\_\_  
 State Utah Sampling point \_\_\_\_\_  
 Line pressure \_\_\_\_\_ psig; Sample pressure 17 psig; Temperature \_\_\_\_\_ ° F; Container number Johnston-Macco Vernal  
 Remarks DST (3-18-82)

Component	Mole % or Volume %	Gallons per MCF
Oxygen.....	0	
Nitrogen.....	0.90	
Carbon dioxide.....	2.14	
Hydrogen sulfide.....	Nil	
<hr/>		
Methane.....	49.28	3.254
Ethane.....	15.91	1.749
Propane.....	11.86	0.581
Iso-butane.....	1.78	1.792
N-butane.....	5.56	1.102
Iso-pentane.....	2.17	3.384
N-pentane.....	3.05	
Hexanes & higher.....	7.35	
<hr/>		
Total.....	100.00	10.862

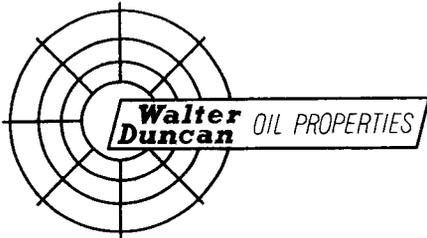
GPM of pentanes & higher fraction..... 5.278

Gross btu/cu. ft. @ 60° F. & 14.7 psia (dry basis)..... 1933

Specific gravity (calculated from analysis)..... 1.191

Specific gravity (measured)..... 1.190

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



1777 SOUTH HARRISON STREET • PENTHOUSE ONE  
TELEPHONE (303) 759-3303 • DENVER, COLORADO 80210

# CONFIDENTIAL

June 16, 1982

State of Utah  
Oil Gas & Mining Division  
1588 West, North Temple  
Salt Lake City, UT 84116

RE: Proposed Pipeline Location  
Sec. 22 & 27, T41S, R26E  
San Juan Co., UT

Gentlemen:

Attached is a copy of the Sundry Notice and map requesting approval to install a 3" gas pipeline for the above-captioned location which we sent to Minerals Management in Farmington.

Should you need additional information or have questions regarding this notice, please contact our office.

Very truly yours,  
RAYMOND T. DUNCAN

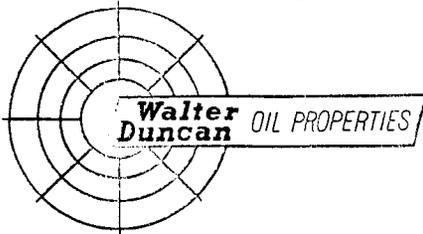
  
John W. Lowry  
Dist. Drilling & Prod. Supt.

CL  
Encl.

cc. Milestone Petroleum  
Superior Oil Company

**RECEIVED**  
JUN 21 1982

DIVISION OF  
OIL, GAS & MINING



1777 SOUTH HARRISON STREET • PENTHOUSE ONE  
TELEPHONE (303) 759-3303 • DENVER, COLORADO 80210

June 16, 1982

The Navajo Tribal Compliance Office  
Box 410  
Montezuma Creek, UT 84534

ATTN: Nellie Jackson

RE: Proposed Pipeline Location  
Sec. 22 & 27, T41S, R26E  
San Juan Co., UT

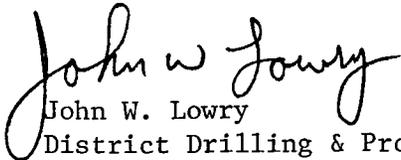
Dear Ms. Jackson:

Attached is a copy of the Sundry Notice and map requesting approval to install a 3" gas pipeline on the above-captioned location which we sent to Minerals Management Services in Farmington, NM.

It is our understanding that Minerals Management Services will coordinate with your office in the approval of this proposal.

If you have questions or need additional information, please feel free to contact our office.

Very truly yours,  
RAYMOND T. DUNCAN

  
John W. Lowry  
District Drilling & Prod. Supt.

CL  
Encl.

cc. Milestone Petroleum  
Superior Oil Company

# CONFIDENTIAL

Form 9-331  
Dec. 1973

Form Approved.  
Budget Bureau No. 42-R1424

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  
Raymond T. Duncan

3. ADDRESS OF OPERATOR  
1777 So. Harrison, P-1, Denver, CO 80210

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 770' FSL: 3700' FWL  
AT TOP PROD. INTERVAL: same  
AT TOTAL DEPTH: same

5. LEASE  
N00-C-14-20-3003

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
Navajo

7. UNIT AGREEMENT NAME  
N/A

8. FARM OR LEASE NAME  
Sentinel Peak

9. WELL NO.  
22-34

10. FIELD OR WILDCAT NAME  
Sentinel Peak

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 22-41S-26E

12. COUNTY OR PARISH | 13. STATE  
San Juan | UT

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
5006.2 GL

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) Install gas pipeline			

(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.)\*

Duncan requests approval to install a 3" gas pipeline per the following method. Please refer to the map attached:

A line of 3" pipe will be coridored along the east and north side of the existing road Right-of-Way temporarily on the surface until approval to bury can be obtained. The line will be connected to Superior Oil Company's gas meter located at a distance of approximately 1060' NE of Superior's Sentinel Peak 27-32 (Sec. 27-41S-26E) at a point located approximately 30' west of the Colorado-Utah State line.

Surface disturbance will be minimal upon the ROW surface adjacent to the road. A 5' easement will be necessary only for the workmen to walk upon while laying the pipe on the surface. An easement of 14' will be necessary when burying the pipe

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ (continued on reverse side) Set @ \_\_\_\_\_ Ft.

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

SIGNED John W Lowry Dist. Drlg & TITLE Prod. Supt. DATE 6-18-82

(This space for Federal or State office use)

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

**APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING**  
DATE: 6/28/82  
BY: [Signature]

\*See Instructions on Reverse Side

**Instructions**

This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law 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.

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.

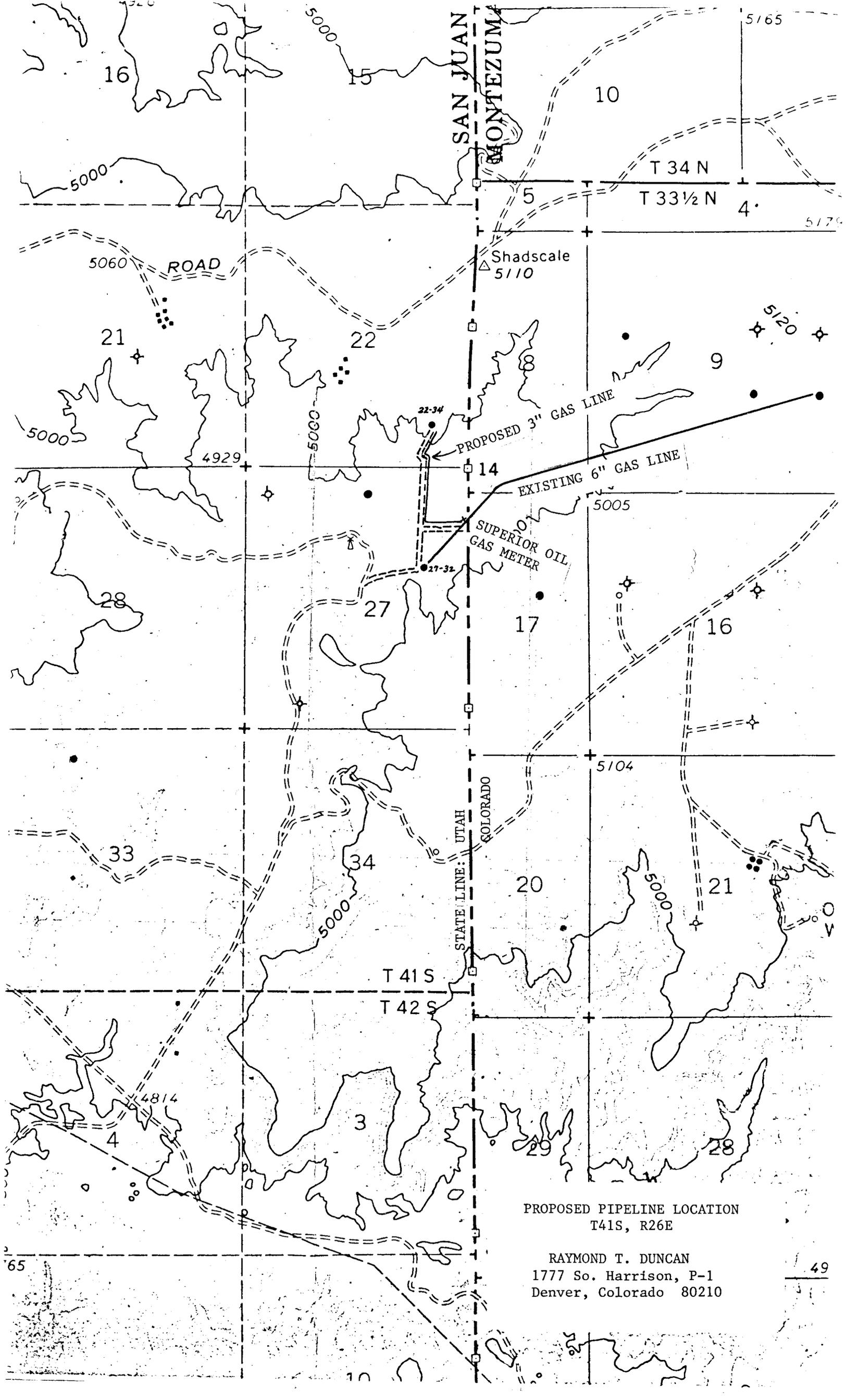
5. Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. Such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid flow; whether the well is not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above the cement plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site abandoned. A final inspection looking to approval of the abandonment.

permanently in order to accommodate ditching equipment. The pipe will be laid temporarily over the same area where it will be buried. The total length of the 3" gas line shall be 3700'.

Pipe Specifications: 3" Phillips Petroleum Driscoll SDR-7. Working pressure (natural gas), 100 PSI @ 150°F. Available in 500' lengths, connected by heat fusion and has a 50 year life.

Superior's 6" gas line has a working pressure of 25# PSI. Duncan's 3" gas line pressure will be approximately 40# PSI. Check valves have been installed at the meter run on Duncan's Sentinel Peak 22-34. The pipe will cross a lease line; however, both leases involved are jointly owned by Superior and Duncan.

APPROVED BY THE STATE  
OF OREGON  
DATE: \_\_\_\_\_



PROPOSED PIPELINE LOCATION  
T41S, R26E

RAYMOND T. DUNCAN  
1777 So. Harrison, P-1  
Denver, Colorado 80210

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
(FORM 9-329)  
(2/76)  
OMB 42-RO 356

MONTHLY REPORT  
OF  
OPERATIONS

Lease No. NOO-C-14-3003  
 Communitization Agreement No. NA  
 Field Name Marble Wash  
 Unit Name Sentinel Peak #22-34  
 Participating Area NA  
 County San Juan State Utah  
 Operator Raymond T. Duncan  
 Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of January, 19 84

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
22-34	SWSE 22	41S	26E	POW	*7	46	44	1,057	API #43-037-30748  *SI to reduce water production

cc: State of Utah Dept. of Natural Resources - 2 ✓  
 cc: Navajo Nation  
 cc: Milestone Petroleum  
 cc: Denver Office - John W. Lowry  
 cc: File

**RECEIVED**  
FEB 07 1984

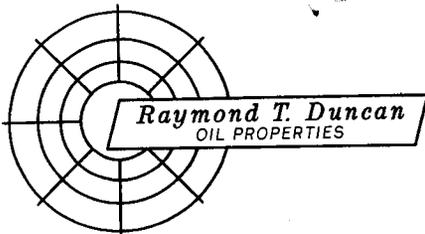
DIVISION OF  
OIL, GAS & MINING

\*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	209	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced	46	44	1,057
*Sold	None	44	XXXXXXXXXXXXXXXXXX
*Spilled or Lost	None	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX	None	XXXXXXXXXXXXXXXXXX
*Used on Lease	None	None	XXXXXXXXXXXXXXXXXX
*Injected	None	None	None
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	1,057
*Other (Identify)	None	None	None
*On hand, End of Month	255	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	44.6	NA	XXXXXXXXXXXXXXXXXX

Authorized Signature: Lealdene Hilman Address: Box 211, La Salle, Illinois 61301  
 Title: Production Clerk 2/24/84



1777 SOUTH HARRISON STREET · PENTHOUSE ONE  
TELEPHONE (303) 759-3303 · DENVER, COLORADO 80210

October 21, 1988

**RECEIVED**  
OCT 26 1988

State of Utah  
Division of Oil, Gas & Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

DIVISION OF  
OIL, GAS & MINING

Re: Tina Federal No. 1  
Sec. 13, T37S, R23E 43-037-31300  
San Juan County, Utah

Sentinel Peak #22-34 43-037-30748  
Sec. 22, T41S, R26E  
San Juan, Utah

Gentlemen:

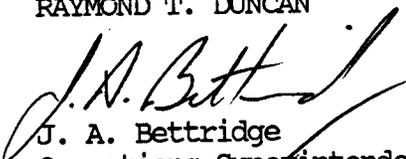
Enclosed please find a copy of the BLM Sundry Notice for Reclamation of the Tina Federal No. 1. The location has now been reseeded.

Also enclosed is a change of operator for the Sentinel Peak No. 22-34 from Raymond T. Duncan to Pioneer Oil & Gas.

Please contact me if you have any questions or need additional information.

Very truly yours,

RAYMOND T. DUNCAN

  
J. A. Bettridge  
Operations Superintendent

JAB:nr  
Enclosures

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

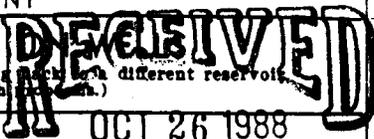
SUBMIT IN TRIPLICATE  
(Other instructions on reverse side.)

Surface Bureau No. 4-10-1  
Expires August 31, 1988  
LEASE DESIGNATION AND SERIAL

N00-C-14-20-3003  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
Navajo

SUNDRY NOTICES AND REPORTS

(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 checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME N/A
2. NAME OF OPERATOR Raymond T. Duncan		8. FARM OR LEASE NAME Sentinel Peak
3. ADDRESS OF OPERATOR 1777 So. Harrison St., PH-1, Denver, CO 80210		9. WELL NO. 22-34
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 770' FSL & 3700' FWL (SW SE)		10. FIELD AND POOL, OR WILDCAT Sentinel Peak
14. PERMIT NO. 43-037-30748		12. COUNTY OR PARISH San Juan
15. ELEVATIONS (Show whether OP, ST, GR, etc.) 5006.2 Ungraded; 5021 KB		13. STATE Utah

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

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

The subject well was sold to Pioneer Oil & Gas effective August 1, 1988. They are the new operator as of that date.

I hereby certify that the foregoing is true and correct

SIGNED A. Bettidge TITLE Operations Superintendent DATE Oct. 21, 1988  
(This space for Federal or State office use)

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

\*See Instructions on Reverse Side

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law 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.

**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 17:** Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

OIL AND GAS	
DRN	RJF
JRB	GLH
DTS	SLS
1-TAS	
2- MICROFILM	
3- FILE	

### PRIVACY ACT

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

**AUTHORITY:** 30 U.S.C. 181 et. seq., 351 et. seq., 25 U.S.C. et. seq.; 43 CFR 3160.  
**PRINCIPAL PURPOSE:** The information is to be used to evaluate, when appropriate, approve applications, and report completion of secondary well operations, on a Federal or Indian lease.

**ROUTINE USES:** (1) Evaluate the equipment and procedures used during the proposed or completed subsequent well operations. (2) Request and grant approval to perform those actions covered by 43 CFR 3162.3-2(2). (3) Analyze future applications to drill or modify operations in light of data obtained and methods used. (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions.

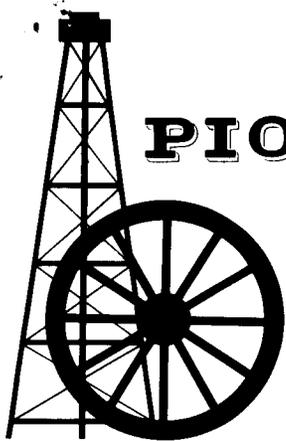
**EFFECT OF NOT PROVIDING INFORMATION:** Filing of this notice and report and disclosure of the information is mandatory once an oil or gas well is drilled.

The Paperwork Reduction Act of 1980 (44 U.S.C. 3501, et. seq.) requires us to inform you that:

This information is being collected in order to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

This information will be used to report subsequent operations once work is completed and when requested, to obtain approval for subsequent operations not previously authorized.

Response to this request is mandatory for the specific types of activities specified in 43 CFR Part 3160.



**PIONEER OIL & GAS**

**RECEIVED**

DEC 15 1988

DIVISION OF  
OIL, GAS & MINING

December 14, 1988

Utah Department of Natural Resources  
355 West North Temple  
3 Triad Center  
Suite 350  
SLC, UT 84180-1203

Re: Change of Operator  
Duncan 22-34  
22-41S-26E  
San Juan County, Utah

To Whom It May Concern:

Enclosed please find a Sundry Notice and Designation of Operator pertaining to the above referenced well.

Sincerely,

A handwritten signature in black ink, appearing to read 'R. Heggie Wilson', written in a cursive style.

R. Heggie Wilson  
Land Manager

RHW/tbp

Enc.

OIL AND GAS	
CDN	RJF
ARE	GLH
	SLS
1-TAS	
2.	MICROFILM ✓
3.	FILE

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

SUBMIT IN TRIPL  
(Other instructions  
verse side)

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or to plug or to abandon a well.  
Use "APPLICATION FOR PERMIT" for such purposes.)

**RECEIVED**  
DEC 15 1988

1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. N00-C-14-20-3003
2. NAME OF OPERATOR Raymond T. Duncan		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo
3. ADDRESS OF OPERATOR 1777 So. Harrison St., P-1, Denver, CO 80210		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface  770' FSL, 3700' FWL		8. FARM OR LEASE NAME Sentinel Peak
14. PERMIT NO. 43-037-30748		9. WELL NO. 22-34
15. ELEVATIONS (Show whether DF, ST, GR, etc.) 5006.2 GL		10. FIELD AND POOL, OR WILDCAT Sentinel Peak
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 22-41S-26E
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

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

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

Effective August 1, 1988

New Operator: Pioneer Oil & Gas  
6925 Union Park Center  
Suite 145  
Midvale, UT 84047

Attached: Designation of Operator

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

SIGNED R. Haggie Wilson TITLE Land Manager DATE 12/7/88

(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 INDIAN AFFAIRS

DESIGNATION OF OPERATOR

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

STATE OFFICE:  
SERIAL NO.: N00-C-14-20-3003

RECEIVED  
DEC 15 1988

and hereby designates

NAME: Pioneer Oil & Gas  
ADDRESS: 6925 Union Park Center, Suite 145  
Midvale, Utah 84047

DIVISION OF  
OIL, GAS & MINING

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 authorized officer may serve written or oral instructions in securing compliance with the Operating Regulations (43 CFR 3160) with respect to (describe acreage to which this designation is applicable):

T41S-R26E, SLM  
Section 22: Lots 1,2,3,4, W/2E/2, W/2 (Frac.) (All)

San Juan County, Utah

Bond coverage under 43 CFR 3104 for lease activities conducted by the above named designated operator is under Bond Number PAI2-UT-6POG.

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, stipulations, or orders of the Secretary of the Interior or his representative.

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



(Signature of lessee)

RAYMOND T. DUNCAN  
1777 S. Harrison Street, P-1

(Address)

Denver, CO 80210

8/29/88

(Date)

This form does not constitute an information collection as defined by 44 U.S.C. 3502 and therefore does not require OMB approval.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF ~~LAND MANAGEMENT~~ INDIAN AFFAIRS

DESIGNATION OF OPERATOR

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

STATE OFFICE:  
SERIAL NO.: N00-C-14-20-3003

and hereby designates

NAME: Pioneer Oil & Gas  
ADDRESS: 6925 Union Park Center, Suite 145  
Midvale, Utah 84047

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 authorized officer may serve written or oral instructions in securing compliance with the Operating Regulations (43 CFR 3160) with respect to (describe acreage to which this designation is applicable):

T41S-R26E, SLM  
Section 22: Lots 1,2,3,4, W/2E/2, W/2 (Frac.) (A11)

San Juan County, Utah

Bond coverage under 43 CFR 3104 for lease activities conducted by the above named designated operator is under Bond Number PA12-UT-6POG.

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, stipulations, or orders of the Secretary of the Interior or his representative.

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

9/9/88

(Date)

*J. Walter Duncan, Jr.*  
(Signature of lessee)  
J. WALTER DUNCAN, JR.  
1777 S. Harrison Street, P-1  
Denver, CO 80210

(Address)

This form does not constitute an information collection as defined by 44 U.S.C. 3502 and therefore does not require OMB approval.

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

**SUBMIT IN TRIPLICAT.**  
(Other instructions on reverse side)

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

**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.)

<div style="border: 2px solid black; padding: 5px; display: inline-block;"> <b>RECEIVED</b>                  AUG 15 1990                  DIVISION OF                  OIL &amp; GAS             </div>		3. LEASE DESIGNATION AND SERIAL NO. N00-C-14-20-3003
1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo
2. NAME OF OPERATOR Pioneer Oil and Gas		7. UNIT AGREEMENT NAME Sentinel Peak
3. ADDRESS OF OPERATOR 6925 Union Park Center, Suite 145, Midvale, UT 84047		8. WELL NO. 22-34
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface  770' FSL, 3700' FWL		9. FIELD AND POOL, OR WILDCAT Sentinel Peak
14. PERMIT NO. 43-037-30748		10. SEC., T., R., M., OR BLM. AND SURVEY OR AREA Sec. 22-41S-26E
15. ELEVATIONS (Show whether BV, ST, OR, etc.) 5006.2		11. COUNTY OR PARISH San Juan
		12. 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) <input type="checkbox"/>	
(Other) <input type="checkbox"/>	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.)

Pioneer Oil and Gas has assigned all its ownership in the subject lease effective August 1, 1990. Pioneer Oil and Gas shall no longer be the operator of the subject properties.

Giant Exploration and Production Company shall therefore be the operator effective August 1, 1990.

Former Operator:  
Pioneer Oil and Gas

New Operator:  
Giant Exploration & Production Company  
PO Box 2810  
Farmington, NM 87499

Signed: Gregg B. Colton  
Gregg B. Colton, Vice President  
Date: July 31, 1990

Signed: Aldrich L. Kuchera  
Title: Aldrich L. Kuchera, President and CEO  
Date: August 13, 1990

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

SIGNED <u>R. Heagrite Wilson</u>	TITLE <u>Land Manager</u>	DATE <u>7/31/90</u>
(This space for Federal or State office use)		
APPROVED BY _____	TITLE _____	DATE _____
CONDITIONS OF APPROVAL, IF ANY:		

\*See Instructions on Reverse Side

1-
2-
3-
4-
5-
6-

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: 8-1-90)

TO (new operator) GIANT EXPLOR. & PROD. CO. FROM (former operator) PIONEER OIL AND GAS  
 (address) \_\_\_\_\_ (address) \_\_\_\_\_  
 \_\_\_\_\_  
 phone ( ) \_\_\_\_\_ phone ( ) \_\_\_\_\_  
 account no. N 0075 account no. N3025

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

CONTINUED-----

Name: SENTINEL PEAK 27-32 (ISNY) API: 4303730537 Entity: 06025 Sec 27 Twp 41S Rng 26E Lease Type: INDIAN  
 Name: SENTINEL PEAK 27-33 (ISNY) API: 4303731029 Entity: 06025 Sec 27 Twp 41S Rng 26E Lease Type: INDIAN  
 Name: GOthic MESA 6-23 (DSCP) API: 4303715039 Entity: 06008 Sec 6 Twp 41S Rng 23E Lease Type: INDIAN  
 Name: GOthic MESA 6-34 (DSCP) API: 4303715034 Entity: 06008 Sec 6 Twp 41S Rng 23E Lease Type: INDIAN  
 Name: GOthic MESA 7-21 (DSCP) API: 4303715036 Entity: 06008 Sec 7 Twp 41S Rng 23E Lease Type: INDIAN  
 Name: GOthic MESA 7-41 (DSCP) API: 4303715032 Entity: 06008 Sec 7 Twp 41S Rng 23E Lease Type: INDIAN  
 Name: GOthic MESA 8-12 (DSCP) API: 4303715035 Entity: 06008 Sec 8 Twp 41S Rng 23E Lease Type: INDIAN

CONTINUED-----

**OPERATOR CHANGE DOCUMENTATION**

- \_\_\_ 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
- \_\_\_ 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- \_\_\_ 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: \_\_\_\_\_.
- \_\_\_ 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.
- \_\_\_ 6. Cardex file has been updated for each well listed above.
- \_\_\_ 7. Well file labels have been updated for each well listed above.
- \_\_\_ 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission.
- \_\_\_ 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.

1-
2-
3-
4-
5-
6-

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: 8-1-90 )

TO (new operator)	<u>GIANT EXPLOR. &amp; PROD. CO.</u>	FROM (former operator)	<u>PIONEER OIL AND GAS</u>
(address)	_____	(address)	_____
	_____		_____
	_____		_____
phone ( )	_____	phone ( )	_____
account no. <u>N 0075</u>	_____	account no. <u>N 3025</u>	_____

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

CONTINUED-----

Name: <u>GOTHIC MESA 8-33 (DSCR)</u>	API: <u>4303715037</u>	Entity: <u>06008</u>	Sec <u>8</u> Twp <u>41S</u> Rng <u>23E</u>	Lease Type: <u>INDIAN</u>
Name: <u>GOTHIC MESA 8-42 (DSCR)</u>	API: <u>4303715033</u>	Entity: <u>06008</u>	Sec <u>8</u> Twp <u>41S</u> Rng <u>23E</u>	Lease Type: <u>INDIAN</u>
Name: <u>GOTHIC MESA 9-13 (DSCR)</u>	API: <u>4303715041</u>	Entity: <u>06008</u>	Sec <u>9</u> Twp <u>41S</u> Rng <u>23E</u>	Lease Type: <u>INDIAN</u>
Name: <u>NAVAJO 67-4 (9-24) (DSCR)</u>	API: <u>4303716452</u>	Entity: <u>99990</u>	Sec <u>9</u> Twp <u>41S</u> Rng <u>23E</u>	Lease Type: <u>INDIAN</u>
Name: <u>GOTHIC MESA 16-11 (DSCR)</u>	API: <u>4303715042</u>	Entity: <u>06008</u>	Sec <u>16</u> Twp <u>41S</u> Rng <u>23E</u>	Lease Type: <u>INDIAN</u>
Name: <u>GOTHIC MESA UNIT 16-13A</u>	API: <u>4303731454</u>	Entity: <u>06008</u>	Sec <u>16</u> Twp <u>41S</u> Rng <u>23E</u>	Lease Type: <u>INDIAN</u>
Name: <u>GOTHIC MESA 16-22 (DSCR)</u>	API: <u>4303715043</u>	Entity: <u>06008</u>	Sec <u>16</u> Twp <u>41S</u> Rng <u>23E</u>	Lease Type: <u>INDIAN</u>

CONTINUED-----

**OPERATOR CHANGE DOCUMENTATION**

- \_\_\_ 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
- \_\_\_ 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- \_\_\_ 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: \_\_\_\_\_.
- \_\_\_ 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.
- \_\_\_ 6. Cardex file has been updated for each well listed above.
- \_\_\_ 7. Well file labels have been updated for each well listed above.
- \_\_\_ 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission.
- \_\_\_ 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.

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

Routing:

1-
2-
3-
4-
5-
6-

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: 8-1-90)

TO (new operator)	<u>GIANT EXPLOR. &amp; PROD. CO.</u>	FROM (former operator)	<u>PIONEER OIL AND GAS</u>
(address)	_____	(address)	_____
	_____		_____
	_____		_____
phone ( )	_____	phone ( )	_____
account no. <u>N 0075</u>	_____	account no. <u>N3025</u>	_____

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

Name: <u>GOTHIC MESA 16-33 (DSCF) <sup>15m</sup></u>	API: <u>4303715044</u>	Entity: <u>06008</u>	Sec <u>16</u> Twp <u>41S</u> Rng <u>23E</u>	Lease Type: <u>INDIAN</u>
Name: <u>GOTHIC MESA 16-44 (DSCF)</u>	API: <u>4303716453</u>	Entity: <u>06008</u>	Sec <u>16</u> Twp <u>41S</u> Rng <u>23E</u>	Lease Type: <u>INDIAN</u>
Name: <u>GOTHIC MESA 17-31 (DSCF)</u>	API: <u>4303715040</u>	Entity: <u>06008</u>	Sec <u>17</u> Twp <u>41S</u> Rng <u>23E</u>	Lease Type: <u>INDIAN</u>
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: <u>**SENTINEL PK #27-23</u>	API: <u>4303731144</u>	Entity: <u>99990</u>	Sec <u>27</u> Twp <u>41S</u> Rng <u>26E</u>	Lease Type: <u>INDIAN</u>
Name: <u>**MCELMO CR 28-23</u>	API: <u>4303730511</u>	Entity: <u>05980</u>	Sec <u>28</u> Twp <u>41S</u> Rng <u>25E</u>	Lease Type: <u>INDIAN</u>
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).
- \_\_\_ 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- \_\_\_ 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: \_\_\_\_\_.
- \_\_\_ 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.
- \_\_\_ 6. Cardex file has been updated for each well listed above.
- \_\_\_ 7. Well file labels have been updated for each well listed above.
- \_\_\_ 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission.
- \_\_\_ 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.

*\* Changes made 9-26-90*

Routing:

1-	LCR	<i>✓</i>
2-	DSDTS	<i>✓</i>
3-	VLC	<i>✓</i>
4-	RJF	<i>✓</i>
5-	RWM	<i>✓ Dan Adams</i>
7-	LCR	<i>✓</i>

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: 8-1-90 )

TO (new operator)	<u>GIANT EXPLOR. &amp; PROD. CO.</u>	FROM (former operator)	<u>PIONEER OIL AND GAS</u>
(address)	<u>P. O. BOX 2810</u>	(address)	<u>6925 UNION PARK CTR. #145</u>
	<u>FARMINGTON, NM 87499</u>		<u>MIDVALE, UT 84047</u>
	<u>phone (505 ) 326-3325</u>		<u>phone (801 ) 566-3000</u>
	<u>account no. N 0075</u>		<u>account no. N 3025</u>

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

Name: <del>SENTINEL PEAK 22-34</del> <i>(JSMY)</i>	API: 4303730748	Entity: 00546	Sec. 22 Twp. 41S Rng. 26E	Lease Type: INDIAN
Name: <del>MOELMO CR Q-29</del> <i>(DSCA)</i>	API: 4303715524	Entity: 05995	Sec. 29 Twp. 41S Rng. 25E	Lease Type: INDIAN
Name: <del>NAVAJO TR 125 #1</del> <i>(BSCA)</i>	API: 4303715541	Entity: 05990	Sec. 21 Twp. 41S Rng. 25E	Lease Type: INDIAN
Name: <del>NAVAJO TRE 125 #2</del> <i>(DSCA)</i>	API: 4303715542	Entity: 05990	Sec. 28 Twp. 41S Rng. 25E	Lease Type: INDIAN
Name: <del>NAVAJO TR 125 #4</del> <i>(DSCA)</i>	API: 4303715543	Entity: 05990	Sec. 28 Twp. 41S Rng. 25E	Lease Type: INDIAN
Name: <del>SENTINEL PEAK #27-14</del> <i>(JSMY)</i>	API: 4303720292	Entity: 99991	Sec. 27 Twp. 41S Rng. 26E	Lease Type: INDIAN
Name: <del>SENTINEL PEAK 27-21</del> <i>(JSMY)</i>	API: 4303730747	Entity: 06020	Sec. 27 Twp. 41S Rng. 26E	Lease Type: INDIAN

CONTINUED-----

**OPERATOR CHANGE DOCUMENTATION**

- 1* 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
- 2* 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- 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: \_\_\_\_\_.
- 3* 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.
- 3* 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above.
- 3* 6. Cardex file has been updated for each well listed above.
- 3* 7. Well file labels have been updated for each well listed above.
- 3* 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission.
- 3* 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. (Rule R615-8-7) 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. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- 2. A copy of this form has been placed in the new and former operators' bond files.
- 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\_\_\_\_.

STATE INTEREST OWNER NOTIFICATION RESPONSIBILITY

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

MICROFILMING

- 1. All attachments to this form have been microfilmed. Date: October 9 1990.

FILED

- 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.

REMARKS

8-20-90 Earl Beecher / Bm Farmington Nm - No documentation as of yet.

8-29-90 Earl Beecher - Informed me that these wells are under the jurisdiction of EPA. (2 wells - 43-037-30511 (WIW) and 43-037-31144 (WDW) are still listed under MEPNA)

900926 Re: DTS & MEPNA telephone verification (see phone doc.) ok to change (2) wells listed above!



**GIANT EXPLORATION &  
PRODUCTION COMPANY**

2200 Bloomfield Highway  
Post Office Box 2810  
Farmington, New Mexico  
87499-2810

505                   FAX  
326-3325           505  
                          327-7987

January 29, 1993

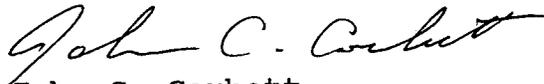
State of Utah  
Department of Natural Resources  
Division of Oil, Gas and Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

Dear Mr. Don Staley:

Enclosed are Giant Exploration & Production Company's annual status reports (Sundry Notice Form 9) in response to your memo dated December 4, 1992.

If you have any questions regarding the enclosed sundries please contact me.

Very Truly Yours,

  
John C. Corbett

Enclosures

/pmm

**RECEIVED**

FEB 02 1993

DIVISION OF  
OIL GAS & MINING

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

<p align="center"><b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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>		5. LEASE DESIGNATION & SERIAL NO. NOO-C-14-20-3003	
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo	
1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME	
2. NAME OF OPERATOR Giant Exploration & Production Company		8. FARM OR LEASE NAME Sentinel Peak	
3. ADDRESS OF OPERATOR P.O. Box 2810, Farmington, N.M. 874999		9. WELL NO. 22-34	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface  At proposed prod. zone 770' FSL, 3700' FWL, Sec. 22, T41S, R26E		10. FIELD AND POOL, OR WILDCAT Sentinel Peak	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 22, T41S, R26E	
14. API NO. 43-037-30748	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5006.2' GL	12. COUNTY San Juan	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) Status Report <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	
APPROX. DATE WORK WILL START _____		DATE OF COMPLETION _____	

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

\* Must be accompanied by a cement verification report.

Annual Status:

The Sentinel Peak #22-34 is currently shut-in. Giant Exploration & Production Company plans to plug and abandon this well.

**RECEIVED**

FEB 02 1993

DIVISION OF  
OIL GAS & MINING

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

SIGNED John C. Corbett TITLE Vice President DATE JAN 28 1993

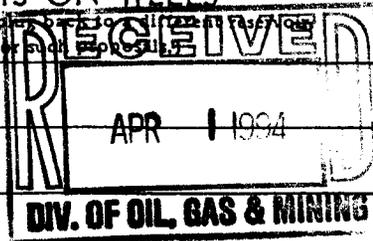
(This space for Federal or State office use) APV

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

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> <small>(Do not use this form for proposals to drill or to deepen or plug or to change the location of a well. Use "APPLICATION FOR PERMIT—" for such proposals.)</small>		5. LEASE DESIGNATION & SERIAL NO. NOO-C-14-20-3003
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo Allotted
1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME Sentinel Peak
2. NAME OF OPERATOR Giant Exploration & Production Co.		8. FARM OR LEASE NAME Sentinel Peak
3. ADDRESS OF OPERATOR P.O. Box 2810, Farmington, NM 87499		9. WELL NO. #22-34
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface  At proposed prod. zone 770' FSL, 3700' FWL, Sec. 22, T41S, R26E		10. FIELD AND POOL, OR WILDCAT Sentinel Peak
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 22, T41S, R26E
14. API NO. 43-037-30748	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5006.2' GL	12. COUNTY San Juan
		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 checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
(Other) _____		DATE OF COMPLETION _____	
APPROX. DATE WORK WILL START _____			

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

\* Must be accompanied by a cement verification report.

See Attachment "A"

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

SIGNED Jeffrey R. Vaughan TITLE Vice President Operations DATE MAR 30 1994

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side

Attachment "A"  
Sentinel Peak 22-34

Giant Exploration & Production Co. plugged and abandoned the referenced well as follows:

9/30/93 Set 27 sack cement plug from 5840' to 5484'.  
Tagged cement at 5829'.  
Set 35 sack cement plug from 5829' to 5518'.  
Filled casing from 5518' to 1700' with 9 ppg, 50 vis. mud.  
Perforated squeeze holes at 1700'.  
Set 60 sack cement plug inside and outside casing from 1700' to 1556'.  
Filled casing from 1556' to surface with 9 ppg, 50 vis. mud.  
Set 8 sack cement plug from 60' to surface inside casing.  
Set 15 sack cement plug from 60' to surface in annulus.

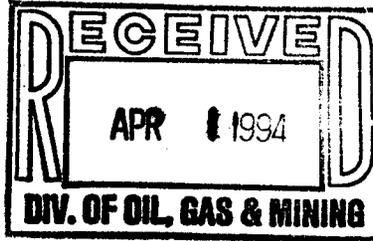
10/15/93 Cut off wellhead.  
Installed regulation dry hole marker.

All neat cement was Class "B" mixed at 15.8 ppg, yield of 1.18 cuft/sk and using 5.2 gal/sk water.

BLM representative: Leonard Bixler

Casing remaining in hole:

Surface casing: 13-3/8", 48# to 98'  
Intermediate casing: 8-5/8", 24# to 1657'  
Production casing: 5-1/2", 15.5#, K-55 to 6030'



**GIANT**

**GIANT EXPLORATION &  
PRODUCTION COMPANY**

2200 Bloomfield Highway  
Post Office Box 2810  
Farmington, New Mexico  
87499-2810

505 326-3325      FAX  
505 327-7987

March 30, 1994

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

Gentlemen:

Enclosed please find Sundry Notices for the following wells,  
which were plugged and abandoned in 1993:

Sentinel Peak #22-34  
Gothic Mesa Unit #8-42  
Gothic Mesa Unit #9-13  
Gothic Mesa Unit #9-24  
Gothic Mesa Unit #16-22  
Gothic Mesa Unit #16-33  
Gothic Mesa Unit #16-44

If you have any questions regarding this information please call  
me at (505) 326-3325.

Sincerely,

A handwritten signature in cursive script, appearing to read "Diane G. Jaramillo".

Diane G. Jaramillo  
Production Regulatory Manager

DGJ/pmm

Enclosures