

~~HP~~  
W-11  
1.12

**PLACID OIL COMPANY**  
**INTER-COMPANY**  
**CORRESPONDENCE**

PLACE Denver, CO

DATE February 9, 1977

MEMO TO: File  
Denver Office

Re: USA DU-5  
North Aneth "B"  
San Juan Co., UT

We talked this date to Mr. Earl Peavey and asked him to line up a rig for drilling the above well between April 15 and May 1. This should give us time to get our support contracts in the office and give us the opportunity to complete the program required by the USGS and the BLM.

*Don*

Donald F. Smith

DFS/cjc

**GEOLOGICAL PROGNOSIS**

**Well:** Placid Oil Company USA #DU-5

**Location:** NW¼ SE¼ Section 24-T39S-R25E

**Elevation:** 5287 Gr.; **Proposed Total Depth:** 6300' or 50' into Paradox Salt

**Samples:** 1 sets of samples should be caught from Surf. Csg. to 4850' at 30' intervals and from 4850' to T.D. at 10' intervals

**Instructions for Disposition:**  
Will set 13-3/8" casing at 300'

**Logging Program:** Dual Laterlog: B/Surface casing to T.D.  
Formation Density/CNL: Minimum run over zones of interest

**Coring Program:**  
**Conventional Diamond Cores:** No cores planned

**Side-wall Cores:** \_\_\_\_\_

**Testing Program:**  
**Conventional Drill Stem Tests:** Drill stem test will be run on all zones where porosity and oil shows are indicated.

**Anticipated Formation Tops:**

<u>Navajo</u>	<u>1123 (+4164)</u>
<u>Moenkopi</u>	<u>2318 (+2469)</u>
<u>Cutler</u>	<u>2878 (+2409)</u>
<u>Hermosa</u>	<u>4842 (+445)</u>
<u>Ismay</u>	<u>5820 (-533)</u>
<u>Desert Creek</u>	<u>6037 (-750)</u>
<u>Paradox Salt</u>	<u>6167 (-880)</u>

RECEIVED  
MAR 21 1977  
U.S. GEOLOGICAL SURVEY  
DALLAS, TEXAS

**Parties to be notified:** This is a 100% Placid Well.

**By:** Doug A. Sprinkel  
**Date:** March 18, 1977

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
 DRILL       DEEPEN       PLUG BACK

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

2. NAME OF OPERATOR  
 Placid Oil Company

3. ADDRESS OF OPERATOR  
 2021 First National Bank Bldg. Denver, Colorado 80293

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface  
 2108' FSL, 1909' FEL Sec. 24-T39S-R25E  
 At proposed prod. zone  
 Same as surface location

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 Approximately 6 road miles east of Hatch Trading Post, Utah

15. DISTANCE FROM PROPOSED\* 731' E of USA LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. U-6557 lease line (Also to nearest drig. unit line, if any)

16. NO. OF ACRES IN LEASE  
 1120.0 acres

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 80

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. No wells have been drilled on this lease.

19. PROPOSED DEPTH  
 6300'

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 5287.0 Ground (ungraded)

22. APPROX. DATE WORK WILL START\*  
 May 1, 1977

5. LEASE DESIGNATION AND SERIAL NO.  
 USA U-6834

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
 USA U-6834

9. WELL NO.  
 USA DU-5

10. FIELD AND POOL, OR WILDCAT  
 Wildcat

11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA  
 Sec. 24-T39S-R25E

12. COUNTY OR PARISH  
 San Juan

13. STATE  
 Utah

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13-3/8"	54.50#	300'	275 sx regular 2% cc

If deeper water flows are encountered, 9-5/8" casing can be set to a depth sufficient to case them off.

In the event of a dry hole, this well will be plugged and abandoned according to state and federal requirements.

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 Doug A. Sprinkel TITLE Geologist DATE March 18, 1977  
 (This space for Federal or State office use)

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

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

CONDITIONS OF APPROVAL, IF ANY:

COMPANY PLACID OIL COMPANY

LEASE U.S.A. D U WELL NO. 5

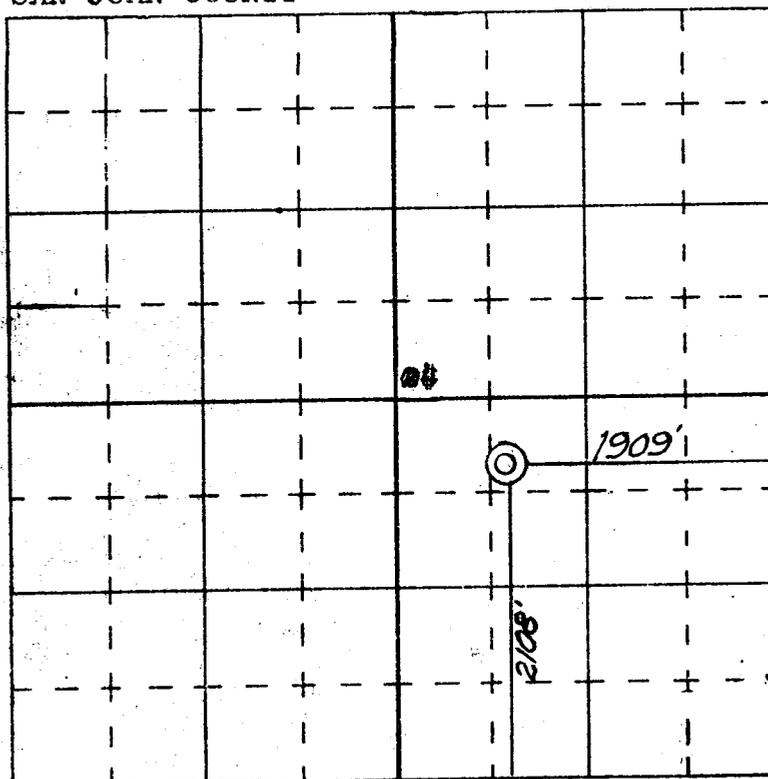
SEC. 24, T. 39 S, R. 25 E, S.L.M.

LOCATION 2108 FEET FROM THE SOUTH LINE and  
1909 FEET FROM THE EAST LINE.

ELEVATION 5287 UNGRADED GROUND

SAN JUAN COUNTY

UTAH



SCALE—4 INCHES EQUALS 1 MILE

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

SEAL:

*James O. Lane*  
Registered Land Surveyor,  
Utah Reg. # 1472

SURVEYED 2 November, 1976

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.



COMPANY PLACID OIL COMPANY

LEASE U.S.A. D U WELL NO. 5

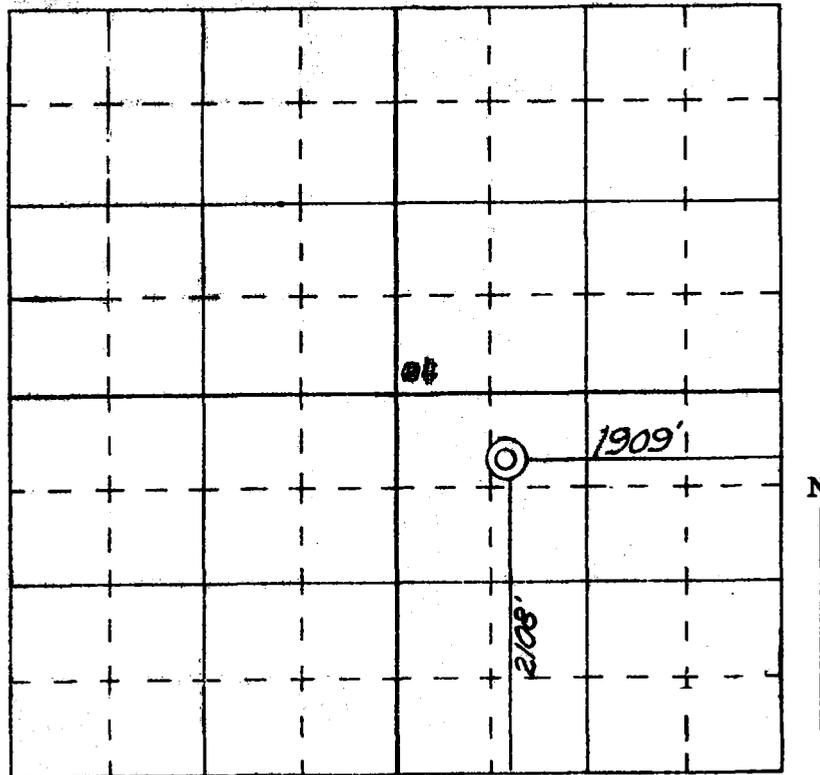
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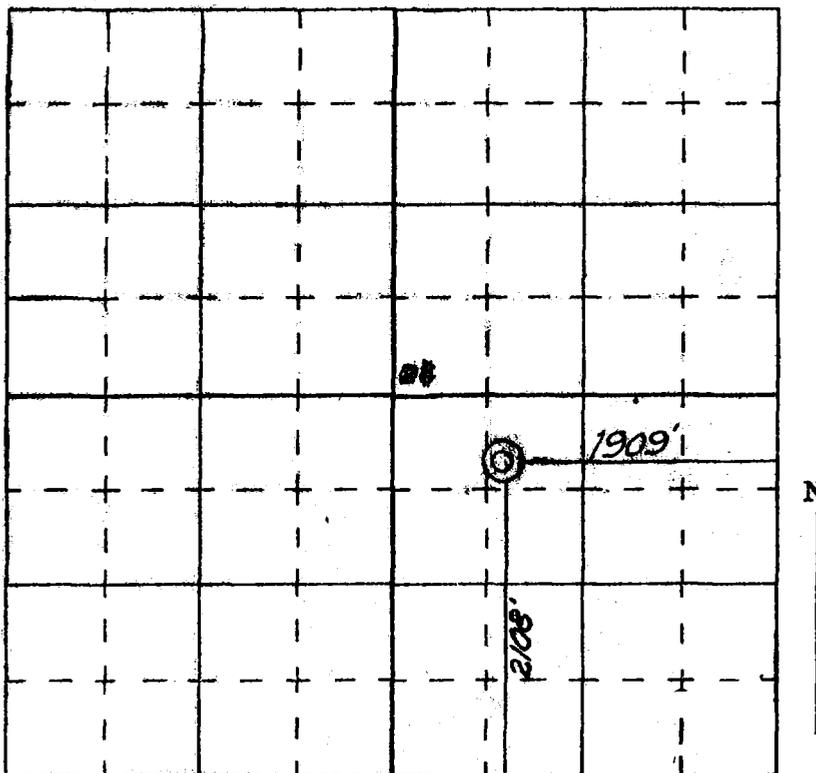
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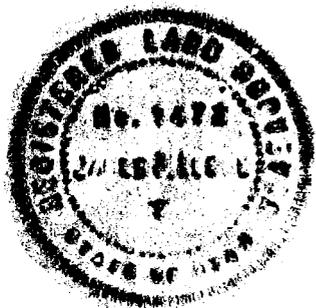
SEAL:

*James P. Lane*

Registered Land Surveyor,  
Utah Reg. # 1472

SURVEYED 2 November, 1976

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.



COMPANY PLACID OIL COMPANY

LEASE U.S.A. D U WELL NO. 5

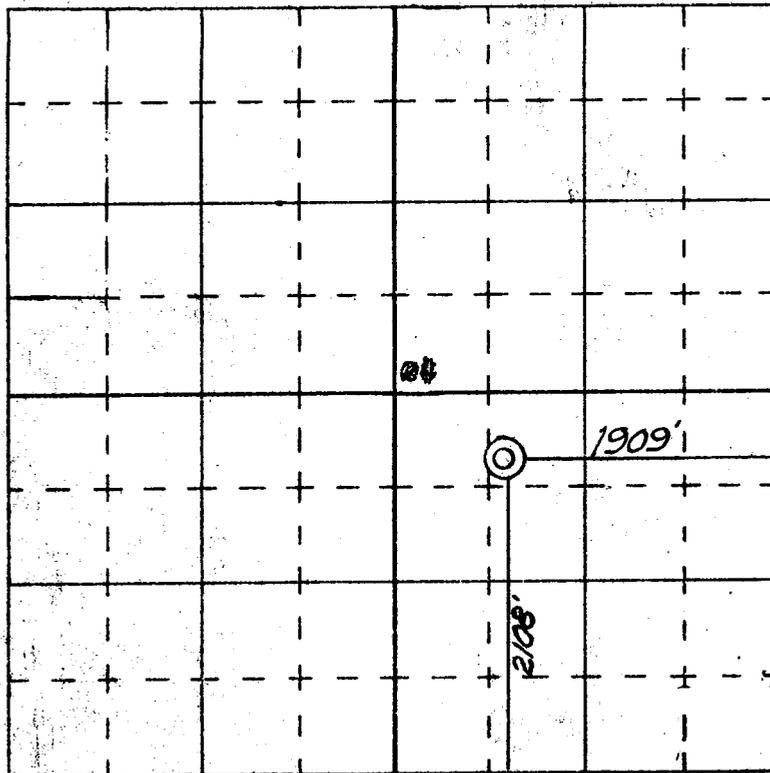
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VISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
BEST OF MY KNOWLEDGE AND BELIEF.

SEAL:

*James O. Leane*  
Registered Land Surveyor.

Utah Reg. # 1472

SURVEYED 2 November, 1976

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.



LAW OFFICES  
SHERIDAN L. MCGARRY  
530 EAST 5TH SOUTH, SUITE 202  
SALT LAKE CITY, UTAH 84102  
TELEPHONE: 322-3324

March 19, 1977

Placid Oil Company  
2021 First National Bank Building  
Denver, Colorado 80293

Re: Status Report Covering U. S.  
Oil & Gas Lease Utah-6834.

Gentlemen:

Pursuant to your request, the undersigned presents this status report as to United States Oil and Gas Lease Utah-6834, covering the following described lands situate in San Juan County, State of Utah:

TOWNSHIP 39 SOUTH, RANGE 25 EAST, S.L.M.

Section 13:  $W\frac{1}{2}$   
Section 23:  $N\frac{1}{2}$   
Section 24:  $E\frac{1}{2}$ ,  $NW\frac{1}{4}$

Containing 1120.00 acres.

This status report covers an examination of the hereinafter designated records of the Bureau of Land Management, Department of Interior, and the records of the Division of State Lands from the beginning to 10:00 o'clock a.m., March 18, 1977.

Subject to the comments hereinafter set forth, the present status of the above described lands is summarized as follows:

Ownership:

As to the surface, oil, gas & other minerals:

The United States of America ----- All

Subject To:

United States Oil & Gas Lease: Utah-6834

Lessor: United States of America

Lessee: Placid Oil Company

Lands Described: T. 39 S., R. 25 E., S.L.M.

Sec. 13:  $W\frac{1}{2}$   
Sec. 23:  $N\frac{1}{2}$   
Sec. 24:  $E\frac{1}{2}$ ,  $NW\frac{1}{4}$

Total Acreage:	1120.00 acres
Effective Date of Lease:	September 1, 1968
Primary Term:	10-years
Annual Delay Rentals:	50¢ per acre.
Basic Royalty:	12½%
Overriding Royalties:	C. E. Strange & Sherrie R. Strange ----- 2%  Joan Chorney & Raymond Chorney ----- 1/2 of 1%

Serial Page Entries:

A photostatic copy of the serial page covering the subject lease is attached hereto and by this reference made a part hereof.

BUREAU OF LAND MANAGEMENT

Historical Index Entries:

1. W½ Sec. 13, OG Per. SL-029610, 11-5-1921, Canc. 5-19-1928.
2. N½ Sec. 23, E½, NW¼ Sec. 24, OG Per. SL-029613, 11-5-1921, Canc. 4-10-1928.
3. E½ Sec. 24, HE SL-031314, 2-20-1923, Canc. 6-23-1930.
4. NE¼, E½NW¼ Sec. 23, SRHE SL-049627, 5-5-1932, Canc. 2-1-1935.
5. W½W½ Sec. 13, SRHE SL-050238, 5-5-1932, Canc. 6-15-1938.
6. E½SW¼ Sec. 13, HE SL-035500, 2-9-1926, Canc. 6-25-1931.
7. S½SW¼ Sec. 13, E½, E½NW¼ Sec. 24, AHE SL-050572, 2-24-1933, Rel. 4-5-1934.
8. NE¼NW¼ Sec. 23, RI Black Steer Park Reservoir 122, 10-21-1938.
9. W½ Sec. 13, NE¼NE¼ Sec. 23, N½NW¼ Sec. 24, Coal Per. U-02011, 3-15-1951, Expired 3-14-1953.
10. N½ Sec. 23, W½NE¼, NW¼ Sec. 24, & other lands, OG Lse.

U-02913, 11-1-1951, Part Asgn., Part Rel. Posted 5-1-1959, 4 p.m.,  
U-02913, Rel. Posted 5-19-1959, 4 p.m. A.

11.  $W\frac{1}{2}$  Sec. 13,  $E\frac{1}{2}NE\frac{1}{4}$ ,  $SE\frac{1}{4}$  Sec. 24, & other lands, OG Lse.  
U-02916, 11-1-1951, Part Rel. Posted 5-19-1959, 4 p.m. Sec. 13:  $W\frac{1}{2}$ ,  
Sec. 24:  $E\frac{1}{2}NE\frac{1}{4}$ ,  $SE\frac{1}{4}$ , Part Asgn., Part Term. 9-30-1963, U-02916,  
List 2-1964.

12.  $W\frac{1}{2}$  Sec. 13,  $NE\frac{1}{4}NE\frac{1}{4}$  Sec. 23,  $N\frac{1}{2}NW\frac{1}{4}$  Sec. 24, Coal Per.  
U-09319, 6-10-1953, expired 6-9-1955.

13. All lands under search, OG Lse. U-035468, 7-1-1959,  
7-13-1965, Term. List 7-1965.

14. All lands under search OG Lse. U-0146832, 8-1-1965, 8-14-  
1968, Term. List 8-1968.

15. All lands under search, OG Lse. U-6834, 9-1-1968.

16. M & B, Secs. 23, 24, R/W Trans. Line U-10657, 2-18-1970,  
65 ft. from center line. Expires 2-18-2020.

17. All public lands adm. by BLM in District 6, Cl. for  
Multiple Use Mgmt. U-8131, 9-24-1970.

Oil & Gas Plat Entries:

This plat is posted current to March 10, 1977, and contains  
the following entries pertaining to the lands under search:

- A. All lands under search: "U-6834 OG Lse."
- B.  $NE\frac{1}{4}$  Sec. 23,  $SW\frac{1}{4}NW\frac{1}{4}$ ,  $SW\frac{1}{4}SE\frac{1}{4}$  Sec. 24: "U-10657."
- C. "U-8131, Cl. of public lands adm. by BLM for Multiple  
Use Mgmt. 9-24-1970 . . ."
- D. "Moab District 060."

Land Status Plat Entries:

This plat is posted current to March 31, 1976, and contains  
the following entries pertaining to the lands under search:

- A.  $NE\frac{1}{4}$  Sec. 23,  $SW\frac{1}{4}NW\frac{1}{4}$ ,  $SW\frac{1}{4}SE\frac{1}{4}$  Sec. 23: "U-10657."
- B. "U-8131, Cl. of public lands adm. by BLM for Multiple Use  
Mgmt. 9-24-1970 . . ."
- C. "Moab District 060."

Surveys:

A survey of the entire subject township was accepted by Letter "E" dated December 6, 1916. According to said survey, Section 13, 23 and 24 are normal sections each containing 640.00 acres.

Patents:

None of record.

Right of Ways:

Electric transmission line right of way, U-10657, approved February 18, 1970, in favor of Utah Power & Light Company pursuant to the Act of March 4, 1911 (36 Stat. 1253, 43 U.S.C. 961 as amended). Said right of way traverses the NE $\frac{1}{4}$  of Sec. 13, SW $\frac{1}{4}$ NW $\frac{1}{4}$ , SW $\frac{1}{4}$ SE $\frac{1}{4}$  of Sec. 24, and expires February 18, 2020. The width of said right of way is 130 feet, 65 feet on each side of centerline.

Simultaneous Filings:

The last prior oil and gas lease covering all of the lands under search was U-0146832, which was duly terminated and listed on the Bureau's simultaneous list dated August 19, 1968, as Parcel U-225. According to the results of said drawing, C. E. Strange was the successful applicant and assigned serial No. 6835.

Examination of Lease File:

1. Ten year noncompetitive oil and gas lease U-6834 issued to C. E. Strange covering all of the lands under search effective September 1, 1968. According to the simultaneous card attached to said lease, Mr. Strange was the sole party in interest.
2. Full assignment of the subject lease by C. E. Strange and "Sherrie R. Strange, wife of C. E. Strange, consents to this assignment", to Joan Chorney, subject only to a 2% of 8/8ths overriding royalty. Said assignment is dated August 24, 1970, filed September 1, 1970, and approved effective October 1, 1970. (No reassignment provision.)
3. Full assignment of the subject lease by Joan Chorney and Raymond Chorney, her husband, subject to a 1/2 of 1% of 8/8ths overriding royalty, in addition to the 2% overriding royalty previously reserved, and subject to a reassignment obligation in lieu of surrender. Said assignment is dated January 27, 1971, filed February 10, 1971, and approved effective March 1, 1971. Said lease was assigned to the Placid Oil Company.

4. Receipts:

A. Receipt No. 108312, time stamped 8-27-1968, evidences payment of the 1st years rental of \$560.00.

B. Receipt form 1371-17, dated 9-4-1969, evidences payment of the 2nd years rental of \$560.00 on 8-27-1969.

C. Receipt form 1371-17, dated 9-1-1970, evidences payment of the 3rd years rental of \$560.00 on 8-26-1970.

D. Receipt form 1371-17, dated 8-23-1971, evidences payment of the 4th years rental of \$560.00 on 8-9-1971.

E. Receipt form 1371-17, dated 8-21-1972, evidences payment of the 5th years rental of \$560.00 on 8-14-1972.

F. Receipt form 1371-17, dated 8-23-1973, evidences payment of the 6th years rental of \$560.00 on 8-13-1973.

G. Receipt form 1371-17, dated 8-22-1974, evidences payment of the 7th years rental of \$560.00 on 8-16-1974.

H. Receipt form 1371-17, dated 8-11-1975, evidences payment of the 8th years rental of \$560.00 on 8-4-1975.

I. Receipt form 1371-17, dated 8-16-1976, evidences payment of the 9th years rental of \$560.00 on 8-10-1976.

J. Receipt No. 290132, time stamped 9-1-1970, evidences payment of the required \$10.00 filing fee by Joan Chorney.

K. Receipt No. 313398, time stamped 2-10-1971, evidences payment of the required \$10.00 filing fee by Placid.

DIVISION OF STATE LANDS

According to the records of the Division of State Lands, the State of Utah makes no claim to the lands under search.

COMMENTS

1. This is a clean lease with all annual delay rentals duly paid through the ninth year.

2. The Historical Index has been noted to show the Black Steer Park Reservoir Range Improvement in the NE $\frac{1}{4}$ NW $\frac{1}{4}$  of Sec. 23.

Placid Oil Company  
March 19, 1977

-6-

3. Your attention is also invited to the fact that Utah Power and Light Company's electric transmission line traverses a portion of the lands under search.

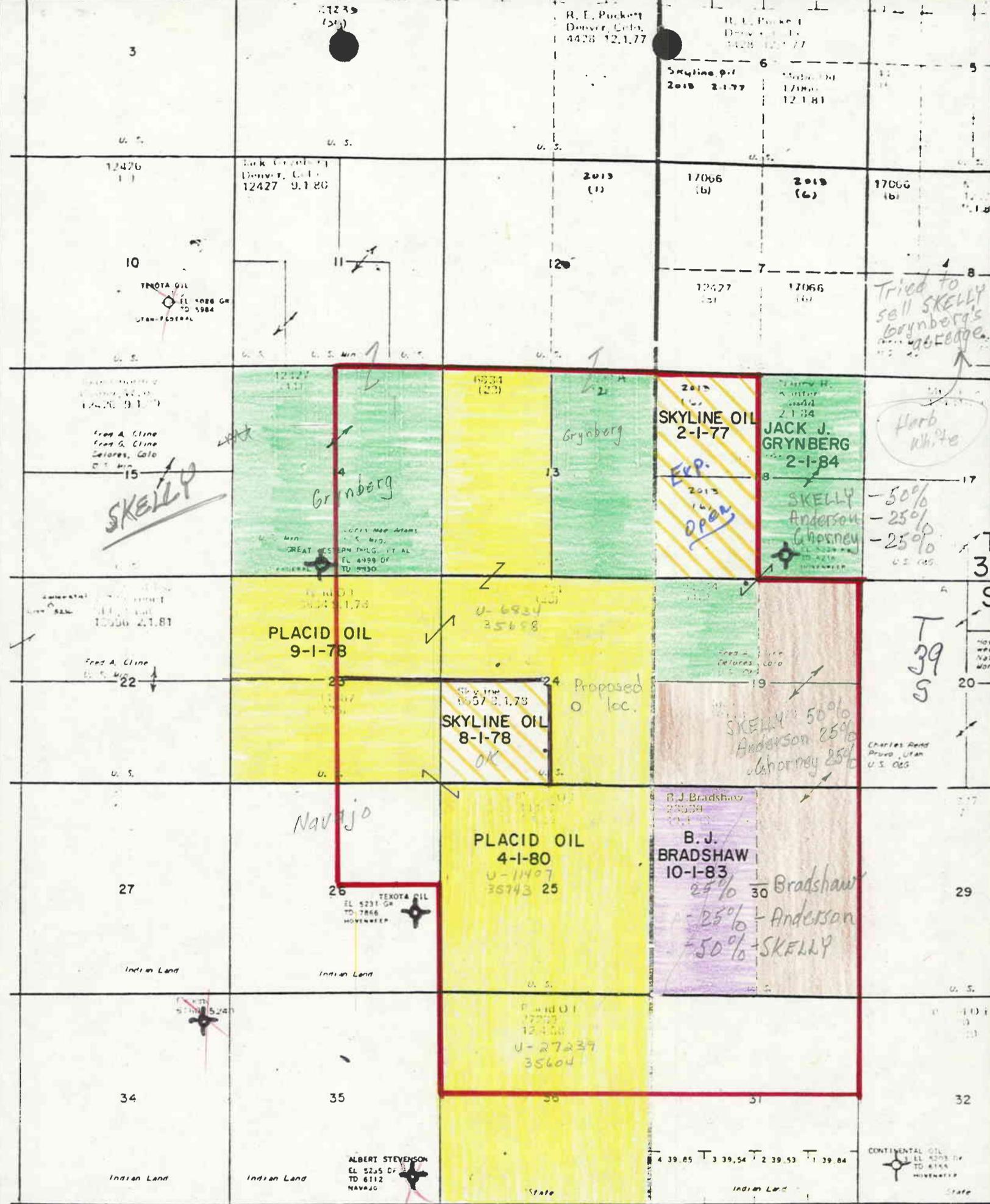
4. The original lessee, C. E. Strange, assigned the subject lease to Joan Chorney. In that assignment Sherrie R. Strange executed the same as an assignor, together with the following language beneath her signature "Sherrie R. Strange, wife of C. E. Strange, consents to this assignment". It appears that Mr. Strange intended to reserve the 2% overriding royalty to himself by having his wife consent to the same rather than execute the assignment as an assignor. A declaration of interest would resolve the ownership as to the 2% overriding royalty reserved in said assignment.

Respectfully submitted,

  
SHERIDAN L. MCGARRY

SLM:M





25-E SEE MAP U-84 U74-39-25 SAN JUAN R 25 E - R 26 E -

**PLACID OIL COMPANY**  
(DENVER DISTRICT)

Prospect NORTH ANETH "B"  
County San Juan State Utah

**MINERAL LEASEHOLD MAP**

PLACID-Full interest	B. J. Bradshaw
PLACID-Partial interest	_____
Jack Grynberg	_____
Skyline Oil	_____
Joan Chorney	_____
Scale _____	Date <u>6-10-76</u>

March 21, 1977

Mr. Robert Turri  
San Juan Resources Division  
Bureau of Land Management  
284 South 1st West  
P.O. Box 1327  
Monticello, Utah 84535

Re: Placid Oil Company  
USA #DU-5 - NW $\frac{1}{4}$ SE $\frac{1}{4}$   
Sec 24-T39S-R25E  
San Juan Co., Utah

Dear Mr. Turri:

Please find attached the following relative to the above captioned well as submitted to the USGS:

1. Application for permit to drill
2. Surveyor's location plat
3. BOP diagram
4. Multi-point surface use and operations plan including rig layout, drilling pad cross section, vicinity map and USGS topo map.
5. USGS transmittal letter

We will be in touch shortly as to setting up the meeting as required by the NTL-6 procedures for meeting guidelines.

Very truly yours,

PLACID OIL COMPANY

Norm Haltiner

NH/lb

Attachments

# PLACID OIL COMPANY AUTHORITY FOR EXPENDITURE

FIELD OR AREA N. Aneth "B" COUNTY OR PARISH San Juan STATE Utah  
 LEASE & WELL NO. USA DU #5 ESTIMATED DEPTH: 6250' TO \_\_\_\_\_  
 OBJECTIVE Paradox Formation  
 DRILL: WILDCAT  DEVELOPMENT  ORIGINAL ESTIMATE  SUPPLEMENT  REVISED ESTIMATE   
 WORKOVER: RECOMPLETION  REMEDIAL   
Upon Rig  
 ESTIMATED STARTING DATE Availability ESTIMATED COMPLETION DATE \_\_\_\_\_ COST ESTIMATE BY Jim Jordan

	ESTIMATED COST		ACTUAL EXPENDITURE
	PRODUCER	DRY HOLE	
<b>INTANGIBLES - DRILLING</b>			
DRILLING COST <u>6250</u> FEET @ \$ <u>15.25</u> PER FOOT	\$ 95,314	\$ 95,314	\$
DAY WORK <u>8</u> DAYS @ \$ <u>2800</u> PER DAY	22,400		
DAY WORK <u>1 P&amp;A</u> DAYS @ \$ <u>2800</u> PER DAY		2,800	
SUPPLEMENTAL COSTS	82,300	68,000	
MOVE RIG			
<b>TOTAL DRILLING INTANGIBLES</b>	<b>\$ 200,014</b>	<b>\$ 166,114</b>	<b>\$</b>
<b>TANGIBLES - WELL EQUIPMENT AND SURFACE FACILITIES</b>			
CASING AND TUBING	\$ 50,874	\$ 5,936	\$
WELLHEAD AND DOWNHOLE PRODUCTION EQUIPMENT	5,000	1,300	
PRODUCTION FACILITIES AND PLATFORM			
<b>TOTAL TANGIBLES</b>	<b>\$ 55,874</b>	<b>\$ 7,236</b>	<b>\$</b>
<b>TOTAL THIS AUTHORIZATION</b>	<b>\$ 255,888</b>	<b>\$ 173,350</b>	<b>\$</b>
PREVIOUSLY AUTHORIZED			
<b>GRAND TOTAL</b>	<b>\$ 255,888</b>	<b>\$ 173,350</b>	<b>\$</b>

JOINT INTEREST OWNERS	WORKING INTEREST PERCENT	PARTICIPANT'S SHARE OF COST		
		PRODUCER	DRY HOLE	ACTUAL
PLACID OIL COMPANY	100	\$ 255,888	\$ 173,350	\$

WELL LOCATION NW/4, SE/4, Section 24, Township 39 South, Range 25 East, San Juan County, Utah.  
 REASON FOR EXPENDITURE \_\_\_\_\_

JOINT INTEREST APPROVAL \_\_\_\_\_  
 BY: \_\_\_\_\_ DATE \_\_\_\_\_  
 PLACID OIL COMPANY'S APPROVAL  
 BY: [Signature] DATE March 22, 1977  
 A.F.E. NO. 4011

## DETAIL OF ESTIMATED DRILLING AND EQUIPMENT COSTS

ELD OR AREA N. Aneth "B" LEASE & WELL\* USA DII #5 AFE NO. 4011

DESCRIPTION	ESTIMATED COST		ACTUAL EXPENDITURE
	PRODUCER	DRY HOLE	
<b>INTANGIBLES</b>			
<b>RIG OPERATING COSTS</b>			
MOVE DRILLING EQUIPMENT			
FOOTAGE DRILLING <u>6250</u> FEET @ \$ <u>15.25</u> PER FT.	95,314	95,314	
DAY WORK DRILLING _____ DAYS @ \$ _____ PER DAY			
DAY WORK CORING & DST <u>3</u> DAYS @ \$ <u>2800</u> PER DAY	8,400		
DAY WORK SURVEYING & TESTING <u>5</u> DAYS @ \$ <u>2800</u> PER DAY	14,000		
DAY WORK PRODUCTION TESTING <u>1 P&amp;A</u> DAYS @ \$ <u>2800</u> PER DAY		2,800	
SUB TOTAL RIG COSTS	\$ 117,714	\$ 98,114	\$
<b>SUPPLEMENTAL COSTS</b>			
LOCATION _____	\$ 4,500	\$ 4,500	\$
DRILLING MUD & CHEMICALS _____	13,000	13,000	
CORING EQUIPMENT & SERVICES _____	8,000		
BITS <u>Included in Contractor Price while on Footage Rate</u>			
TOOL RENTALS _____	1,000	500	
SURVEYING & TESTING EQUIPMENT & SERVICES _____	9,000	9,000	
<b>SERVICES &amp; MATERIAL</b>			
(a) LABOR _____	1,000	1,000	
(b) TRANSPORTATION _____	1,000	800	
(c) FUEL <u>Included in Contractor Price</u>			
(d) WATER _____	21,400	21,400	
(e) SHOES, COLLARS, RETAINERS, ETC. _____	600	600	
(f) PERFORATING _____	2,000		
(g) DRILL STEM TESTS _____	2,000		
(h) ACIDIZING & FRACTURING _____			
(i) SQUEEZE JOB _____			
(j) MISCELLANEOUS _____	13,000	12,400	
CEMENT & CEMENTING SERVICE FOR CASING _____	5,800	4,800	
SUB-TOTAL SUPPLEMENTAL COSTS	82,300	68,000	
TOTAL INTANGIBLE DRILLING COSTS	\$ 200,014	\$ 166,114	\$

# DETAIL OF ESTIMATED DRILLING AND EQUIPMENT COSTS

FIELD OR AREA N. Aneth "B" LEASE & WELL # USA DU #5 A.F.E. NO 4011

DESCRIPTION	ESTIMATED COST		ACTUAL EXPENDITURE
	PRODUCER	DRY HOLE	
<b>TANGIBLES</b>			
<u>CASING &amp; TUBULAR GOODS</u>			
CONDUCTOR _____ FT OF _____ @ \$ _____ PER FOOT	\$	\$	\$
SURFACE <u>350</u> FT OF <u>13-3/8"</u> @ \$ _____ PER FOOT	5,936	5,936	
PROTECTIVE _____ FT OF _____ @ \$ _____ PER FOOT			
PRODUCTION <u>6250</u> FT OF <u>5-1/2"</u> @ \$ _____ PER FOOT	29,625		
LINER _____ FT OF _____ @ \$ _____ PER FOOT			
TUBULAR GOODS <u>6250</u> FT OF <u>2-7/8"</u> @ \$ _____ PER FOOT	15,313		
SUB-TOTAL CSG & TUBULAR GOODS -----	\$ 50,874	\$ 5,936	\$
<u>WELL HEAD AND DOWN HOLE EQUIPMENT</u>			
WELL HEAD EQUIPMENT _____	5,000	1,300	
DOWN HOLE EQUIPMENT _____			
WELL EQUIPMENT SURFACE _____			
MISCELLANEOUS WELL EQUIPMENT _____			
SUB TOTAL WELL HEAD AND DOWN HOLE EQUIP -----	\$ 5,000	\$ 1,300	\$
TOTAL WELL TANGIBLES -----	\$ 55,874	\$ 7,236	\$
<u>PRODUCTION EQUIPMENT</u>			
LABOR _____			
ROADS & FOUNDATIONS _____			
TRANSPORTATION _____			
TUBULAR GOODS _____			
SURFACE PRODUCTION EQUIPMENT _____			
FUEL & WATER _____			
MISCELLANEOUS _____			
SUB TOTAL PROD EQUIPMENT TANGIBLE -----			
TOTAL WELL AND PRODUCTION TANGIBLES -----	\$ 55,874	\$ 7,236	\$
TOTAL INTANGIBLES -----	\$ 200,014	\$ 166,114	\$
GRAND TOTAL -----	\$ 255,888	\$ 173,350	\$

REMARKS \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## DETAIL OF ESTIMATED DRILLING AND EQUIPMENT COSTS

FIELD OR AREA N. Aneth "B" LEASE & WELL # USA DU #5 A.F.E. NO. 4011

DESCRIPTION	ESTIMATED COST		ACTUAL EXPENDITURE
	PRODUCER	DRY HOLE	
<u>SPECIAL EQUIPMENT AND</u>			
<u>Cleaning Location</u>	8,000	8,000	
<u>Plug and Abandon</u>		3,100	
<u>Miscellaneous</u>	5,000	1,300	
<b>TOTAL</b>	<b>13,000</b>	<b>12,400</b>	

# PLACID OIL COMPANY AUTHORITY FOR EXPENDITURE

C.D. Brown  
R.B. Buron  
R.L. Gray

## WELL ANALYSIS

Results: P&A

FIELD OR AREA N. Aneth "B" COUNTY OR PARISH San Juan STATE Utah  
 LEASE & WELL NO. USA DU #5 ESTIMATED DEPTH: 6250' TD 6,185' TVI \_\_\_\_\_  
 OBJECTIVE Paradox Formation  
 DRILL: WILDCAT  DEVELOPMENT  ORIGINAL ESTIMATE  SUPPLEMENT  REVISED ESTIMATE   
 WORKOVER: RECOMPLETION  REMEDIAL  Date Spudded: 5-6-77 Date Completed: 5-30-77  
 ESTIMATED STARTING DATE Availability ESTIMATED COMPLETION DATE \_\_\_\_\_ COST ESTIMATE BY Jim Jordan

	ESTIMATED COST		ACTUAL EXPENDITURE
	PRODUCER	DRY HOLE	
<b>INTANGIBLES - DRILLING</b>			
DRILLING COST <u>6250</u> FEET @ \$ <u>15.25</u> PER FOOT	\$ 95,314	\$ 95,314	\$ 94,321
DAY WORK <u>8</u> DAYS @ \$ <u>2800</u> PER DAY	22,400		
DAY WORK <u>1 P&amp;A</u> DAYS @ \$ <u>2800</u> PER DAY		2,800	3,354
SUPPLEMENTAL COSTS	82,300	68,000	64,269
MOVE RIG			
<b>TOTAL DRILLING INTANGIBLES</b>	<b>\$ 200,014</b>	<b>\$ 166,114</b>	<b>\$ 161,944</b>
<b>TANGIBLES - WELL EQUIPMENT AND SURFACE FACILITIES</b>			
CASING AND TUBING	\$ 50,874	\$ 5,936	\$ 4,446
WELLHEAD AND DOWNHOLE PRODUCTION EQUIPMENT	5,000	1,300	350
PRODUCTION FACILITIES AND PLATFORM			-0-
<b>TOTAL TANGIBLES</b>	<b>\$ 55,874</b>	<b>\$ 7,236</b>	<b>\$ 4,796</b>
<b>TOTAL THIS AUTHORIZATION</b>	<b>\$ 255,888</b>	<b>\$ 173,350</b>	<b>\$ 166,740</b>
PREVIOUSLY AUTHORIZED			
<b>GRAND TOTAL</b>	<b>\$ 255,888</b>	<b>\$ 173,350</b>	<b>\$ 166,740</b>

JOINT INTEREST OWNERS	WORKING INTEREST PERCENT	PARTICIPANT'S SHARE OF COST		
		PRODUCER	DRY HOLE	ACTUAL
PLACID OIL COMPANY	100	\$ 255,888	\$ 173,350	\$ 166,740

WELL LOCATION NW/4, SE/4, Section 24, Township 39 South, Range 25 East, San Juan County, Utah.  
 REASON FOR EXPENDITURE Average Daily IDC- \$6,478  
P&A 5/30/77  
December 1977 W.I.P. KWS

JOINT INTEREST APPROVAL \_\_\_\_\_ PLACID OIL COMPANY'S APPROVAL \_\_\_\_\_  
 BY: \_\_\_\_\_ BY: R.B. Buron  
 DATE: \_\_\_\_\_ DATE: March 22, 1977  
 301-3  
 DATE: \_\_\_\_\_ DATE: \_\_\_\_\_  
 A.F.E. NO. \_\_\_\_\_ A.F.E. NO. 4011

## DETAIL OF ESTIMATED DRILLING AND EQUIPMENT COSTS

FIELD OR AREA N. Aneth "B" LEASE & WELL # USA DU #5 AFE NO. 4011

DESCRIPTION	ESTIMATED COST		ACTUAL EXPENDITURE
	PRODUCER	DRY HOLE	
<b>INTANGIBLES</b>			
<b>RIG OPERATING COSTS</b>			
MOVE DRILLING EQUIPMENT	\$	\$	\$
FOOTAGE DRILLING <u>6250</u> FEET @ \$ <u>15.25</u> PER FT.	95,314	95,314	94,321
DAY WORK DRILLING _____ DAYS @ \$ _____ PER DAY			
DAY WORK CORING & DST <u>3</u> DAYS @ \$ <u>2800</u> PER DAY	8,400		
DAY WORK SURVEYING & TESTING <u>5</u> DAYS @ \$ <u>2800</u> PER DAY	14,000		
DAY WORK PRODUCTION TESTING <u>1 P&amp;A</u> DAYS @ \$ <u>2800</u> PER DAY		2,800	3,354
SUB TOTAL RIG COSTS -----	\$ 117,714	\$ 98,114	\$ 97,675
<b>SUPPLEMENTAL COSTS</b>			
LOCATION _____	\$ 4,500	\$ 4,500	\$ 6,984
DRILLING MUD & CHEMICALS _____	13,000	13,000	16,545
CORING EQUIPMENT & SERVICES _____	8,000		
BITS <u>Included in Contractor Price while on Footage Rate</u>			
TOOL RENTALS _____	1,000	500	
SURVEYING & TESTING EQUIPMENT & SERVICES _____	9,000	9,000	19,374
SERVICES & MATERIAL <u>Administrative Overhead</u>			256
(a) LABOR _____	1,000	1,000	133
(b) TRANSPORTATION _____	1,000	800	1,030
(c) FUEL <u>Included in Contractor Price</u>			
(d) WATER _____	21,400	21,400	12,507
(e) SHOES, COLLARS, RETAINERS, ETC. _____	600	600	848
(f) PERFORATING _____	2,000		
(g) DRILL STEM TESTS _____	2,000		
(h) ACIDIZING & FRACTURING _____			
(i) SQUEEZE JOB _____			
(j) MISCELLANEOUS _____	13,000	12,400	3,944
CEMENT & CEMENTING SERVICE FOR CASING _____	5,800	4,800	2,648
SUB-TOTAL SUPPLEMENTAL COSTS -----	82,300	68,000	64,269
TOTAL INTANGIBLE DRILLING COSTS -----	\$ 200,014	\$ 166,114	\$ 161,944

# DETAIL OF ESTIMATED DRILLING AND EQUIPMENT COSTS

FIELD OR AREA N. Aneth "B" LEASE & WELL # USA DU #5 A.F.E. NO. 4011

DESCRIPTION	ESTIMATED COST		ACTUAL EXPENDITURE
	PRODUCER	DRY HOLE	
<b>TANGIBLES</b>			
<u>CASING &amp; TUBULAR GOODS</u>			
CONDUCTOR _____ FT. OF _____ @ \$ _____ PER FOOT	\$	\$	\$
SURFACE <u>350</u> FT. OF <u>13-3/8"</u> @ \$ _____ PER FOOT	5,936	5,936	4,446
PROTECTIVE _____ FT. OF _____ @ \$ _____ PER FOOT			
PRODUCTION <u>6250</u> FT. OF <u>5-1/2"</u> @ \$ _____ PER FOOT	29,625		
LINER _____ FT. OF _____ @ \$ _____ PER FOOT			
TUBULAR GOODS <u>6250</u> FT. OF <u>2-7/8"</u> @ \$ _____ PER FOOT	15,313		
SUB-TOTAL CSG & TUBULAR GOODS	\$ 50,874	\$ 5,936	\$ 4,446
<u>WELL HEAD AND DOWN HOLE EQUIPMENT</u>			
WELL HEAD EQUIPMENT _____	5,000	1,300	350
DOWN HOLE EQUIPMENT _____			
WELL EQUIPMENT SURFACE _____			
MISCELLANEOUS WELL EQUIPMENT _____			
SUB TOTAL WELL HEAD AND DOWN HOLE EQUIP.	\$ 5,000	\$ 1,300	\$ 350
TOTAL WELL TANGIBLES	\$ 55,874	\$ 7,236	\$ 4,796
<u>PRODUCTION EQUIPMENT</u>			
LABOR _____			
ROADS & FOUNDATIONS _____			
TRANSPORTATION _____			
TUBULAR GOODS _____			
SURFACE PRODUCTION EQUIPMENT _____			
FUEL & WATER _____			
MISCELLANEOUS _____			-0-
SUB TOTAL PROD. EQUIPMENT TANGIBLE			
TOTAL WELL AND PRODUCTION TANGIBLES	\$ 55,874	\$ 7,236	\$ 4,796
TOTAL INTANGIBLES _____	\$ 200,014	\$ 166,114	\$ 161,944
GRAND TOTAL	\$ 255,888	\$ 173,350	\$ 166,740

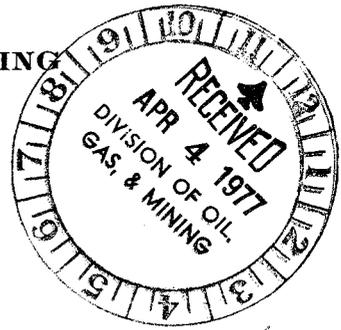
REMARKS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

# DETAIL OF ESTIMATED DRILLING AND EQUIPMENT COSTS

FIELD OR AREA N. Aneth "B" LEASE & WELL # USA DU #5 A.F.E. NO. 4011

DESCRIPTION	ESTIMATED COST		ACTUAL EXPENDITURE
	PRODUCER	DRY HOLE	
<del>SPECIAL-EQUIPMENT-AND Misc:</del>			
Plug and Abandon		3,100	3,091
Pumping Service			668
Other Materials and Supplies			185
Cleaning Location	8,000	8,000	
Miscellaneous	5,000	1,300	
TOTAL	13,000	12,400	3,944

**PLACID OIL COMPANY**  
**2021 FIRST NATIONAL BANK BUILDING**  
**DENVER, COLORADO 80202**



*No other  
Weeks in T.*

April 1, 1977

State of Utah  
Oil & Gas Commission  
1588 West North Temple  
Salt Lake City, Utah 84116

Re: Placid Oil Company  
USA #DU-5  
Sec. 24-39S-25E  
San Juan Co., Utah

Dear Sirs:

Please find attached copies of the Federal application for permit to drill and location plat on the above captioned well.

Thank you,

PLACID OIL COMPANY

*Doug A. Sprinkel*  
Doug A. Sprinkel

DAS/lab

Attachment

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

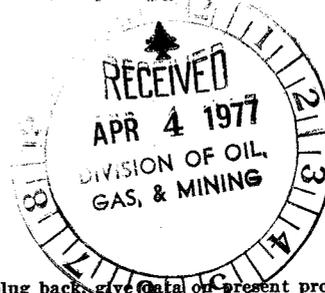
1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. USA U-6834	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Placid Oil Company			7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 2021 First National Bank Bldg. Denver, Colorado 80293			8. FARM OR LEASE NAME USA U-6834	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface: 2108' FSL, 1909' FEL Sec. 24-T39S-R25E At proposed prod. zone: Same as surface location <i>ne nw SE</i>			9. WELL NO. USA DU-5	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approximately 6 road miles east of Hatch Trading Post, Utah			10. FIELD AND POOL, OR WILDCAT Wildcat	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 731' E of USA U-6557 lease line		16. NO. OF ACRES IN LEASE 1120.0 acres	17. NO. OF ACRES ASSIGNED TO THIS WELL 80	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. No wells have been drilled on this lease.		19. PROPOSED DEPTH 6300'	20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5287.0 Ground (ungraded)			22. APPROX. DATE WORK WILL START* May 1, 1977	

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13-3/8"	54.50#	300'	275 sx regular 2% cc

If deeper water flows are encountered, 9-5/8" casing can be set to a depth sufficient to case them off.

In the event of a dry hole, this well will be plugged and abandoned according to state and federal requirements.



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 *Doug A. Sprinkel* TITLE Geologist DATE March 18, 1977

(This space for Federal or State office use)  
 PERMIT NO. 13-031-30357 APPROVAL DATE \_\_\_\_\_

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

CONDITIONS OF APPROVAL, IF ANY:

COMPANY PLACID OIL COMPANY

LEASE U.S.A. D U WELL NO. 5

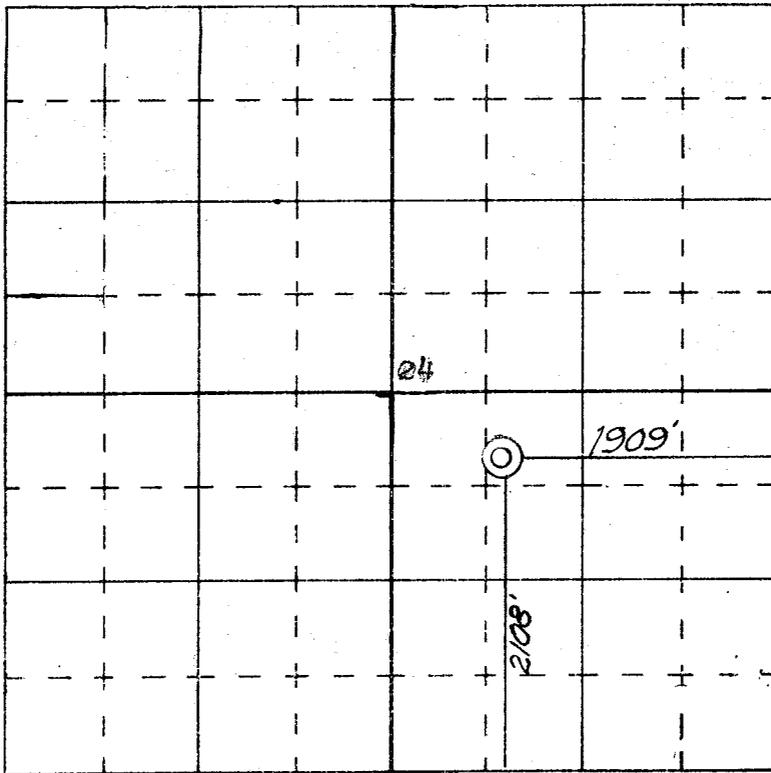
SEC. 24, T. 39 S, R. 25 E, S.L.M.

LOCATION 2108 FEET FROM THE SOUTH LINE and  
1909 FEET FROM THE EAST LINE.

ELEVATION 5287 UNGRADED GROUND

SAN JUAN COUNTY

UTAH



SCALE—4 INCHES EQUALS 1 MILE

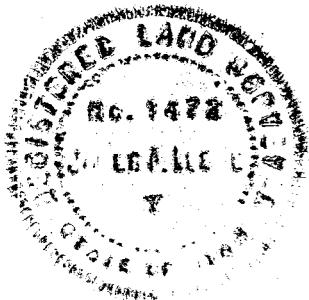
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM  
FIELD NOTE OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPER-  
VISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
BEST OF MY KNOWLEDGE AND BELIEF.

SEAL:

*John P. Lane*  
Registered Land Surveyor,  
Utah Reg. # 1472

SURVEYED 2 November, 1976

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.



STATE OF UTAH  
DIVISION OF OIL, GAS, AND MINING

\*\* FILE NOTATIONS \*\*

Date: April 4-  
Operator: Placid Oil Co.  
Well No: USA DU-5  
Location: Sec. 24 T. 34S R. 25E County: San Juan

File Prepared  Entered on N.I.D.  <sup>API #</sup>  
Card Indexed  Completion Sheet

CHECKED BY:

Administrative Assistant [Signature]  
Remarks: No other wells in Township  
Petroleum Engineer [Signature]  
Remarks:  
Director [Signature]  
Remarks:

INCLUDE WITHIN APPROVAL LETTER:

Bond Required  Survey Plat. Required   
Order No.  Surface Casing Change   
to \_\_\_\_\_  
Rule C-3(c), Topographic exception/company owns or controls acreage  
within a 660' radius of proposed site   
O.K. Rule C-3  O.K. In \_\_\_\_\_ Unit   
Other:

Letter Written/Approved

April 5, 1977

Placid Oil Company  
2021 First National Bank Bldg.  
Denver, Colorado 80293

Re: Well No. USA DU-5  
Sec. 24, T. 39 S, R. 25 E,  
San Juan County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with Rule C-3, 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:

PATRICK L. DRISCOLL-Chief Petroleum Engineer  
HOME: 582-7247  
OFFICE: 533-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling.

The API number assigned to this well is 43-037-30357.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT  
Director

SW  
cc: U.S. Geological Survey

CIRCULATE TO:

DIRECTOR \_\_\_\_\_  P  
PETROLEUM ENGINEER \_\_\_\_\_  P  
MINE COORDINATOR \_\_\_\_\_  P  
ADMINISTRATIVE ASSISTANT \_\_\_\_\_  P  
ALL \_\_\_\_\_  P

RETURN TO Kathy O  
FOR FILING

May 31, 1977

Memo To File:

Re: Placid Oil Company  
DU-5 USA  
NW SE Sec. 24, T. 39 S., R. 25 E.

Verbal permission was given to Placid Oil Company to plug and abandon the above well on May 29, 1977. It will be plugged in accordance with U.S.G.S. recommendations following completion of running electric logs.

PATRICK L. DRISCOLL  
CHIEF PETROLEUM ENGINEER

cc: U.S. Geological Survey

PLD/ksw

PLACID OIL COMPANY  
2021 FIRST NATIONAL BANK BUILDING  
DENVER, COLORADO 80202

June 3, 1977

State of Utah  
Oil & Gas Commission  
1588 West North Temple  
Salt Lake City, Utah 84116

Re: Placid Oil Company  
USA #DU-5  
NW $\frac{1}{4}$  SE $\frac{1}{4}$  Sec. 24-T39S-R25E  
San Juan County, Utah

Dear Sirs:

Attached is the following relative to the above captioned well:

1. Notice of Intention to Abandon
2. Subsequent Report of Abandonment
3. Well Completion Report
4. Report of Water Encountered During Drilling (quadruplicate)

Yours very truly,  
PLACID OIL COMPANY

*Doug Sprinkel*  
Doug Sprinkel

DS/lb

Attachments



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

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

10

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  
Placid Oil Company

3. ADDRESS OF OPERATOR  
2021 First National Bank Bldg. Denver, Colorado 80293

5. LEASE DESIGNATION AND SERIAL NO.  
USA U-6834

6. IF INDIAN, ALLOTTED OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
USA U-6834

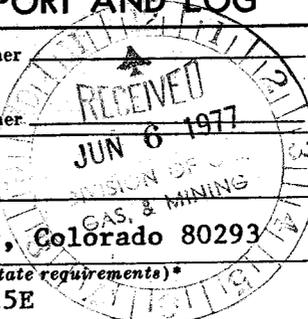
9. WELL NO.  
USA DU-5

10. FIELD AND POOL, OR WILDCAT  
Wildcat

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 1909' FEL, 2108' FSL, Sec. 24-39S-25E

At top prod. interval reported below

At total depth  
Same as surface



14. PERMIT NO. DATE ISSUED

12. COUNTY OR PARISH  
San Juan

13. STATE  
Utah

15. DATE SPUDDED 5/6/77

16. DATE T.D. REACHED 5/30/77

17. DATE COMPL. (Ready to prod.)

18. ELEVATIONS (DF, REB, RT, GR, ETC.)\*  
5287 GL; 5300 KB  
Measured from KB

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 6207'

21. PLUG, BACK T.D., MD & TVD

22. IF MULTIPLE COMPL., HOW MANY\*

23. INTERVALS DRILLED BY  
Surface to 6207'

ROTARY TOOLS

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

25. WAS DIRECTIONAL SURVEY MADE  
Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN  
Dual Laterolog and Formation Density/CNL

27. WAS WELL CORED  
No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	54.50	327'	17 1/2"	375 sx of class B cm, 2% cc	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6170-5970	60 sx reg.
5900-5750	45 sx reg.
4930-4780	45 sx reg.
2025-1875	45 sx reg.
1160-1010	45 sx reg.
375-275	30 sx reg.
Surface	30 sx reg.

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

33.\* PRODUCTION

DATE FIRST PRODUCTION

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)

WELL STATUS (Producing or shut-in)

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

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)

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

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

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

SIGNED Doug Sprinkel TITLE Geologist DATE June 2, 1977

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



FORM OGC-8-X

FILE IN QUADRUPLICATE

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL & GAS CONSERVATION  
1588 West North Temple  
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number USA DU-5  
Operator Placid Oil Company Address 2021 1st Nat'l Bk Bldg. Denver, Colo. 80293 Phone 892-6190  
Contractor Arapahoe Drilling Company Address Farmington, New Mexico Phone \_\_\_\_\_  
Location NW 1/4 SE 1/4 Sec. 24 T. 39 N R. 25 (S) (E) San Juan County, Utah  
W

Water Sands:

	<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
	From	To	Flow Rate or Head	Fresh or Salty
1.	660	720	No flows encountered, no rates taken	no samples
2.	900	1020		
3.	1112	1500		
4.	1520	1570		
5.	1605	1780		

(Continue on reverse side if necessary)

Formation Tops: Bluff 660, Entrada 810, Navajo 1112, Kayenta 1509, Wingate 1606  
Cutler 2889, Hermosa 4830, Ismay 5833, Desert Creek 6022, Salt 6148

Remarks:

NOTE:

- (a) Upon diminishing supply forms, please inform this office.
- (b) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure, (See Back of form).
- (c) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.  
USA U-6834

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
USA U-6834

9. WELL NO.  
USA DU-5

10. FIELD AND POOL, OR WILDCAT  
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 24-39S-25E

12. COUNTY OR PARISH 13. STATE  
San Juan Utah

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL  GAS WELL  OTHER  Dry Hole

2. NAME OF OPERATOR  
Placid Oil Company

3. ADDRESS OF OPERATOR  
2021 First National Bank Bldg. Denver, Colorado 80293

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

1909' FEL, 2108' FSL, Sec. 24-39S-25E

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, OR, etc.)  
5287' GL; 5300' KB

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

NOTICE OF INTENTION TO:

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

SUBSEQUENT REPORT OF:

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

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

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

Cement plugs were set 5/30/77 as follows:

6170-5970 w/60 sx reg.	Covers Desert Creek
5900-5750 w/45 sx reg.	Covers Ismay
4930-4780 w/45 sx reg.	Top/Hermosa
2025-1875 w/45 sx reg.	Top/Chinle - Base/Wingate
1160-1010 w/45 sx reg.	Top/Navajo
375-275 w/30 sx reg.	Surface casing; Half in - Half out
Surface w/30 sx reg.	

A dry hole marker was set according to regulations.

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

SIGNED Doug Sprinkel  
(This space for Federal or State office use)

TITLE Geologist

DATE June 2, 1977

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

TITLE \_\_\_\_\_ DATE \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.  
USA U-6834

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
USA U-6834

9. WELL NO.  
USA DU-5

10. FIELD AND POOL, OR WILDCAT  
Wildcat

11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA  
Sec. 24-39S-25E

12. COUNTY OR PARISH  
San Juan

13. STATE  
Utah

SUNDRY NOTICES AND REPORTS ON WELLS

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

1.  OIL WELL  GAS WELL  OTHER **Dry Hole**

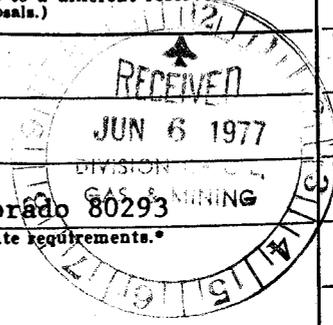
2. NAME OF OPERATOR  
**Placid Oil Company**

3. ADDRESS OF OPERATOR  
**2021 First National Bk Bldg. Denver, Colorado 80293**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface  
**1909' FEL, 2108' FSL, Sec. 24-39S-25E**

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**5287' GL; 5300 KB**



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 checked="" type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input 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.)

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.)\*

Verbal approval was received 5/29/77 from the USGS, Durango, to plug as follows:

- |                        |                                    |
|------------------------|------------------------------------|
| 6170-5970 w/60 sx reg. | Covers Desert Creek                |
| 5900-5750 w/45 sx reg. | Covers Ismay                       |
| 4930-4780 w/45 sx reg. | Top/Hermosa                        |
| 2025-1875 w/45 sx reg. | Top/Chinle - Base/Winegate         |
| 1160-1010 w/45 sx reg. | Top/Navajo                         |
| 375-275 w/30 sx reg.   | Surface casing; Half in - Half out |
| Surface w/30 sx reg.   |                                    |

A dry hole marker will be set and location rehabilitation undertaken according to BLM requirements.

APPROVED BY THE DIVISION OF  
OIL, GAS, AND MINING  
DATE: June 8, 1977  
BY: Ph Sprinkel

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

SIGNED Doug Sprinkel TITLE Geologist DATE June 2, 1977

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

EXTRA -

Save for

~~STATE of UT.~~

~~2~~

Partners

FILE IN

No. ANETH

Pros. File

April 1, 1977

Dr. Alexander J. Lindsay  
Museum of Northern Arizona  
Department of Anthropology  
P.O. Box 1389  
Flagstaff, Arizona 86001

Attention: Mr. Mark Randall

Re: Placid Oil Company  
USA #DU-5  
NW $\frac{1}{4}$  SE $\frac{1}{4}$  Sec. 24-39S-25E  
San Juan County, Utah

Dear Mr. Randall,

Pursuant to our conversation of April 1st, this letter will constitute authorization for an onsite archaeological inspection of the above captioned well location to be conducted by a representative of the Museum of Northern Arizona on April 15th.

As requested, the following is attached relative to the above captioned well.

1. Surveyors Plat
2. Topographic map showing well location

Thank you very much for your cooperation.

Sincerely,

PLACID OIL COMPANY

Deug A. Sprinkel

DAS/lab

Attachments

April 1, 1977

State of Utah  
Oil & Gas Commission  
1588 West North Temple  
Salt Lake City, Utah 84116

Re: Placid Oil Company  
USA-#DU 5  
Sec. 24-39S-25E  
San Juan Co., Utah

Dear Sirs:

Please find attached copies of the Federal Application for Permit to Drill and location plat on the above captioned well.

Thank you,

PLACID OIL COMPANY

Doug A. Sprinkel

DAS/lab

Attachment

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

*Dallas Well file*

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  
**Placid Oil Company**

3. ADDRESS OF OPERATOR  
**2021 First National Bank Bldg. Denver, Colorado 80293**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)  
 At surface  
**2108' PSL, 1909' FEL Sec. 24-T39S-R25E**  
 At proposed prod. zone  
**Same as surface location**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
**Approximately 6 road miles east of Hatch Trading Post, Utah**

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
**731' E of USA U-6557 lease line**

16. NO. OF ACRES IN LEASE  
**1120.0 acres**

17. NO. OF ACRES ASSIGNED TO THIS WELL  
**80**

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
**No wells have been drilled on this lease.**

19. PROPOSED DEPTH  
**6300'**

20. ROTARY OR CABLE TOOLS  
**Rotary**

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**5287.0 Ground (ungraded)**

5. LEASE DESIGNATION AND SERIAL NO.  
**USA U-6834**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
**USA U-6834**

9. WELL NO.  
**USA DU-5**

10. FIELD AND POOL, OR WILDCAT  
**Wildcat**

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
**Sec. 24-T39S-R25E**

12. COUNTY OR PARISH  
**San Juan**

13. STATE  
**Utah**

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13-3/8"	54.50#	300'	275 sx regular 2% cc
7 3/8"	5 1/2"	15.5 #	6300'	175 sx reg 2% cc

If deeper water flows are encountered, 9-5/8" casing can be set to a depth sufficient to case them off.

In the event of a dry hole, this well will be plugged and abandoned according to state and federal requirements.

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 *Doug A. Sprinkel* TITLE Geologist DATE March 18, 1977  
 (This space for Federal or State office use)

PERMIT NO. **APPROVED** APPROVAL DATE \_\_\_\_\_  
 APPROVED BY *Carl A. Barrick* TITLE \_\_\_\_\_ DATE APR 4 1977  
 CONDITIONS OF APPROVAL JUN 3 1977

**CARL A. BARRICK**  
 ACTING DISTRICT ENGINEER  
 \*See Instructions On Reverse Side

RECEIVED  
 APR 4 1977

U. S. GEOLOGICAL SURVEY  
 DURANGO, COLO.

*4/25/77 Oral Approval to Drill*

COMPANY PLACID OIL COMPANY

LEASE U.S.A. D U WELL NO. 5

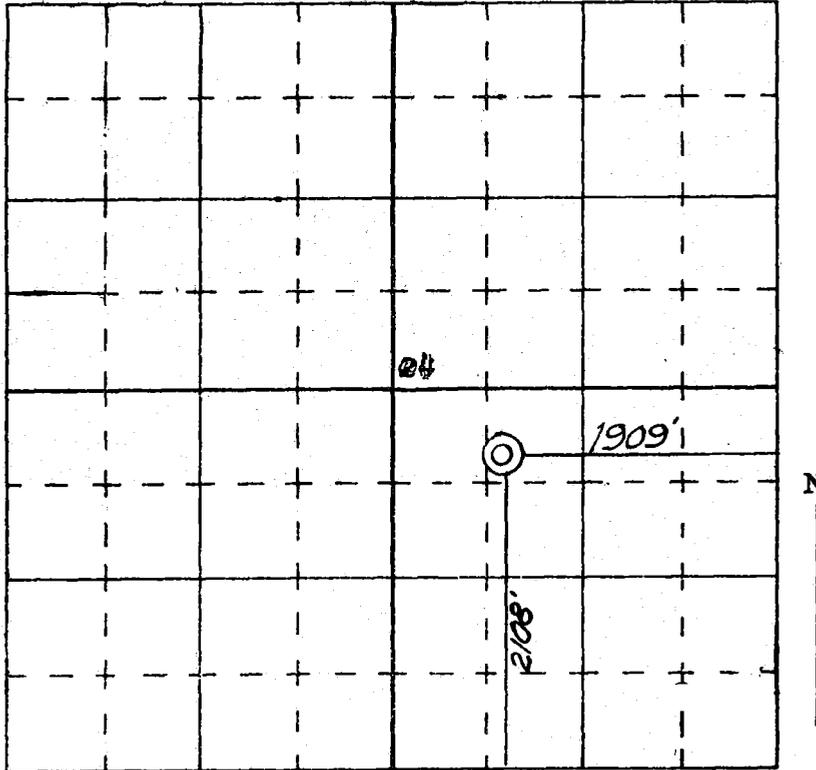
SEC. 24, T. 39 S, R. 25 E, S.L.M.

LOCATION 2108 FEET FROM THE SOUTH LINE and  
1909 FEET FROM THE EAST LINE.

ELEVATION 5287 UNGRADED GROUND

SAN JUAN COUNTY

UTAH



SCALE—4 INCHES EQUALS 1 MILE

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

RECEIVED

APR 4 1977

SEAL:

*James P. Lane*  
Registered Land Surveyor,  
Utah Reg. # 1472

U. S. GEOLOGICAL SURVEY  
DENVER, COLO.

SURVEYED 2 November, 1976

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.



Minimum equipment requirements are:

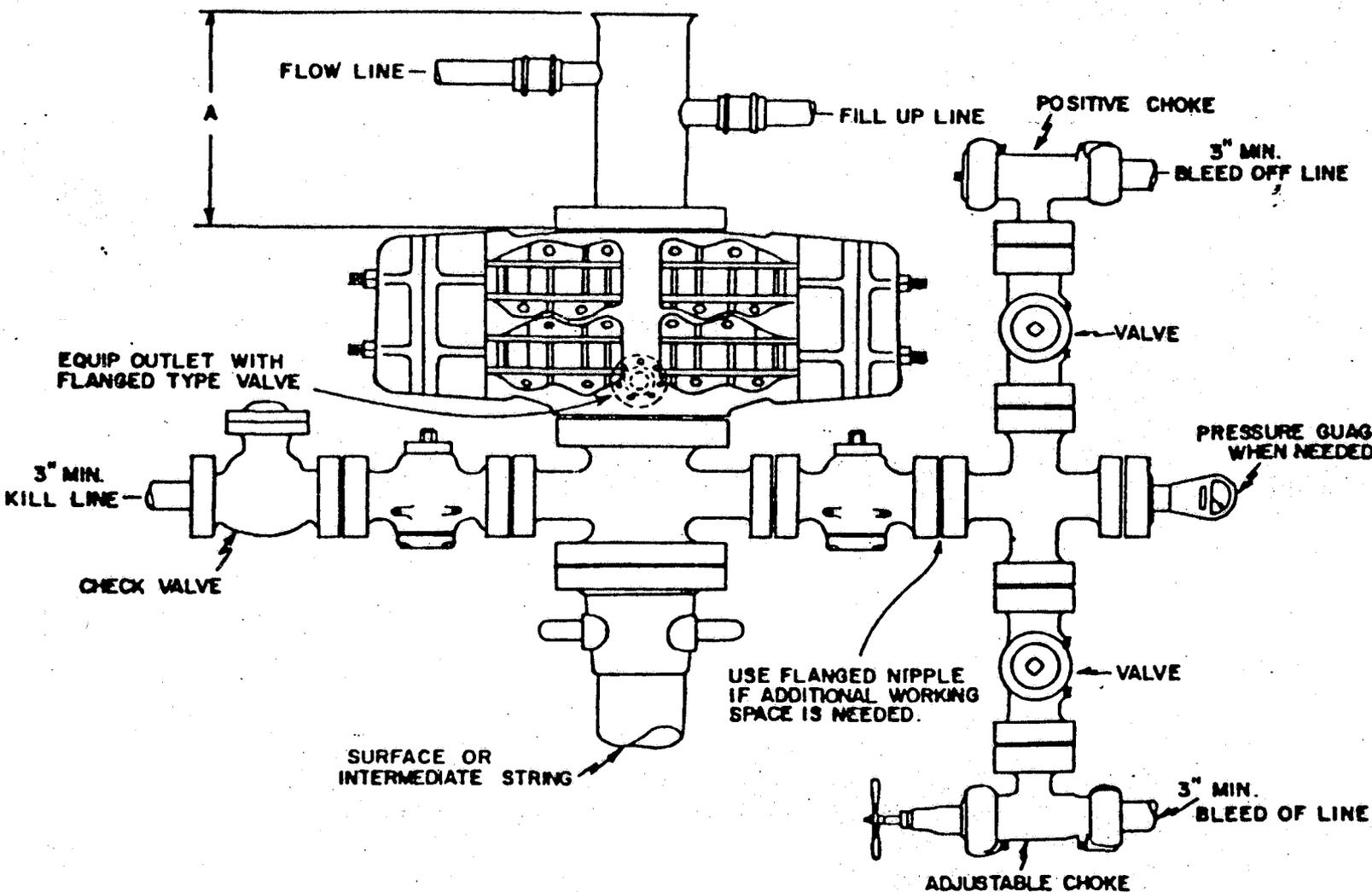
1. Blowout preventers must be capable of being operated both mechanically and hydraulically. Controls must be located so that the blowout preventer can be operated outside the drilling rig substructure. All steel tubing and connections must be used between the hydraulic controls and the blowout preventer.

2. Pressure rating of the blowout preventer and associated connections must be proportional to depth and pressure expectations. Use Figure 1 as a guide in unknown areas.

3. Distance "A" must be sufficient to accommodate a Hydril preventer if required.

4. Chokes, valves, manifold piping and kill line must be flanged and designed equal to or above the pressure rating of the blowout preventer.

5. Kelly cock must be used at all times and should be checked daily.



NOTE: BLOWOUT PREVENTER MUST HAVE DOUBLE RAMS; ONE BLIND & ONE PIPE RAM OR THE EQUIPMENT MUST CONSIST OF TWO BLOWOUT PREVENTERS, ONE EQUIPPED WITH BLIND RAMS & THE OTHER WITH PIPE RAMS ALWAYS PLACE THE BLIND RAMS IN THE TOP PREVENTER.

APR 4 1977  
U. S. GEOLOGICAL SURVEY  
DALLAS, TEXAS

## MULTI-POINT SURFACE USE AND OPERATIONS PLAN

1. Existing Roads - A USGS topo map on a scale of 1" = 1 mile and a multiple use map on a scale of 1/4" = 1 mile are enclosed showing all roads and trails to and in the vicinity of the proposed location which is approximately 6 road miles east of Hatch Trading Post, Utah, which is 21 miles east of the junction of US Highway 163 and State Highway 262.
2. Planned Access Roads - We plan to use all existing roads as shown on the enclosed topo map to put us within approximately 400 feet of the location. Surveyor who staked the location indicated that the road work necessary for the drilling of this well should be minimal.
3. Location of Existing Wells - There are no producing wells either on this lease or within 1 mile of the proposed location. There are 3 abandoned well locations within a two-mile radius of the location, one being approximately 1 1/4 miles north-east, one approximately 1 1/4 miles southwest and one approximately 1 1/2 miles north-west. Please refer to the enclosed topo map.
4. Location of Tank Batteries, Production Facilities, and Production, Gathering and Service Lines - There are no existing production facilities on this lease or within a one-mile radius of the location. In the event production is established at this location, temporary test tanks and flow lines will be erected on the existing drilling pad. Afterwards, a detailed plan for permanent production equipment installation and location will be submitted for approval. Please refer to the enclosed plat showing proposed temporary location of flow lines and tank batteries, etc.
5. Location and Type of Water Supply (Rivers, Creeks, Lakes, Ponds, and Wells) - We have not determined where the water supply to drill this well is or its accessibility to the location at this time. We anticipate locating a suitable water supply when a representative from our company meets with the USGS, BLM and other parties involved in this operation. As near as we can determine at this time, there are only intermittent streams near the location.
6. Source of Construction Materials - It is our intention to use the available materials which are on the surface for any road construction and repair and for the building of the drilling pad and pits.
7. Methods for Handling Waste Disposal - All waste and debris will be removed from the location upon completion of our drilling operations. All latrines, sumps and burn pits will be filled with dirt. In the event of a dry hole, the reserve pit and all ditches will be filled in and the location restored in accordance with the state and federal requirements.
8. Ancillary Facilities - Camps will consist of not more than three small house trailers which will be placed on the drilling pad. We do not intend to construct any airstrips during the operations under this application.
9. Well Site Layout - It is our intention to use Arapahoe Drilling Rig #3 to drill this well. Attached is a rig layout plan showing the drilling pad and location of all necessary facilities for the drilling of this well.
10. Plans for Restoration of the Surface - In the event of a dry hole, the surface will be restored to as near the original condition as is practical and in compliance with the rules of all regulatory agencies.
11. Other Information - Prior to the on-site inspection, we cannot determine actual soil characteristics, etc. but by reviewing the topo map, surveyor's plat and information, we are able to state that the location is easily accessible and located on almost level ground (see attached diagram showing elevation of the surface from the location in north, south, east and west directions). It is the intention of Placid Oil Company to have this well drilled in a safe and diligent manner and at the same time, to protect and preserve the natural environment with respect to all plant and animal life. We will obtain a competent archaeologist to meet with the parties involved for the inspection and approval of our plan of operations.

APR 4 1977

U.S. GEOLOGICAL SURVEY  
B. N. P. 0102

12. Lessee's or Operator's Representative - Mr. James Hein  
Placid Oil Company  
2021 First National Bank Building  
621 17th Street  
Denver, CO 80293  
303-892-6190

13. Certification - 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 Arapahoe Drilling Company Rig #3 and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

3-18-77

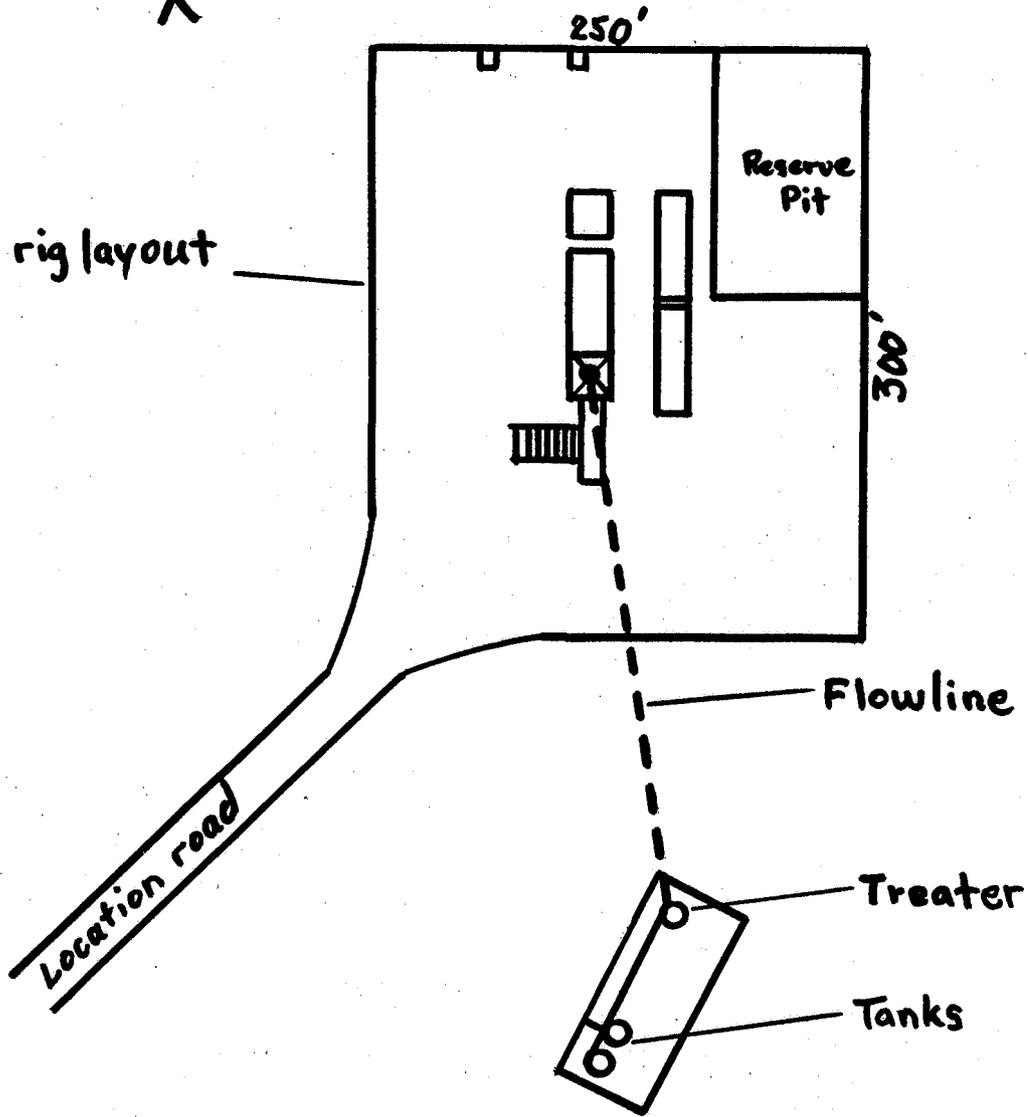
Date

James Hein

James Hein, Geologist

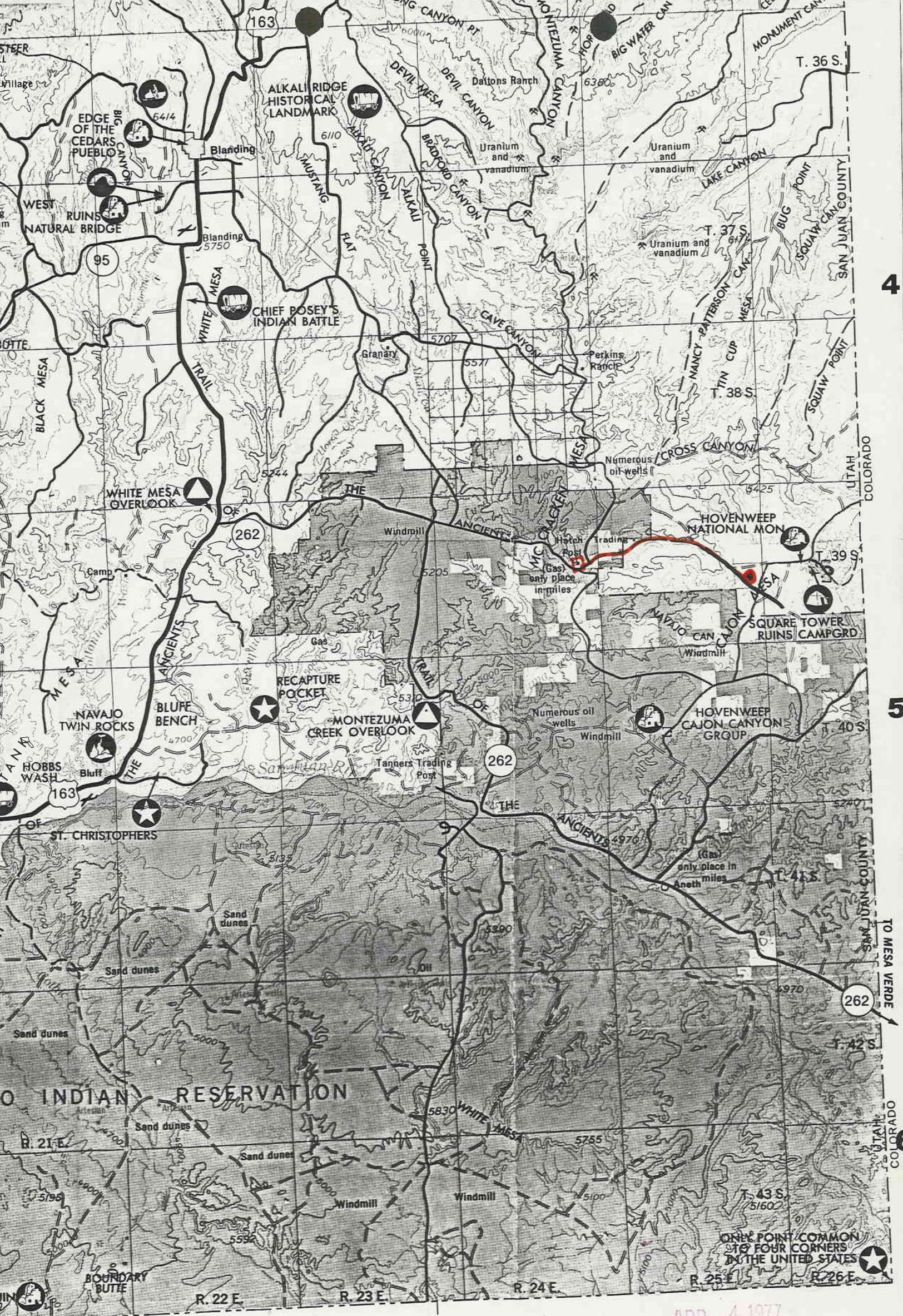


Approx. rig layout



Tanks & Flowlines  
Diagram

RECEIVED  
APR 4 1977  
U. S. GEOLOGICAL SURVEY  
DURHAM, N.C.



APR 4 1977

H GEOLOGICAL SURVEY

G



Scott M. Matheson  
~~CALVIN L. HAMPTON~~  
Governor



OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON  
Executive Director,  
NATURAL RESOURCES

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING  
1588 West North Temple  
Salt Lake City, Utah 84116  
(801) 533-5771

GUY N. CARDON  
Chairman

CHARLES R. HENDERSON  
ROBERT R. NORMAN  
I. DANIEL STEWART  
HYRUM L. LEE

CLEON B. FEIGHT  
Director

April 5, 1977

Placid Oil Company  
2021 First National Bank Bldg.  
Denver, Colorado 80293

Re: Well No. USA DU-5  
Sec. 24, T. 39 S, R. 25 E,  
San Juan County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with Rule C-3, 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:

PATRICK L. DRISCOLL-Chief Petroleum Engineer  
HOME: 582-7247  
OFFICE: 533-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling.

The API number assigned to this well is 43-037-30357.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

  
CLEON B. FEIGHT  
Director

SW  
cc: U.S. Geological Survey



# AMERICAN STRATIGRAPHIC COMPANY

6280 E. 39TH AVENUE  
DENVER, COLORADO 80207, U.S.A.  
(303) 399-2746

April 15, 1977

RE: Placid Oil  
#DU-5 USA  
NW SE 24-39S-25E  
San Juan County, Utah

Well cuttings and cores from the above well are requested by AMSTRAT for examination and log preparation. A complimentary copy of the stratigraphic log after its completion will be sent to the operator of record.

If you wish to preserve the samples in our library, a processed set will be stored upon receipt of a fee of \$.02 per drilled foot (\$10.00 minimum). This set will be available to the operator at no charge. Should a state survey require a cut of the samples, a processed set will be sent to the survey at no additional cost to the operator or state survey. Additional sets will be processed at a rate of \$.15 per cut.

Prompt return of this form with your instructions will help expedite disposition of the samples. Thank you for your cooperation.

Samples will be furnished to AMSTRAT at no obligation to the operator. A complimentary stratigraphic log is requested.

YES   
NO

Preserve samples in AMSTRAT library and invoice me for storage fee.

YES   
NO

Process and ship additional cuts. (List company and address).

YES   
NO

Authorized by:

*David E. Peterson*  
Dist Geologist

*File  
under file*

**PLACID OIL COMPANY**

INTER-COMPANY

CORRESPONDENCE

PLACE Denver, CO

DATE April 15, 1977

MEMO TO: File

Re: USA DU-5  
NW SE Sec 24-39S-25E  
San Juan Co., Utah

A meeting was held this date for an on-site inspection of drill site for above captioned well.

The following were present:

John Keller - USGS, Durango  
Don Englishman - USGS, Durango  
Lee Cargyle - USGS, Durango  
Bob Turri - BLM  
Jenifer Head - BLM  
Don Keller - Archaeologist, Museum of N. Arizona  
Roy Sheppard - Arapahoe Drilling Company  
Dean McClellan - Perry McDonald Construction  
Harold McClelland - Northwest Carriers  
Ming Chiang - Placid Oil Company  
Harold Peterson - Placid Oil Company

The USGS stated that they saw no reasons for delaying the permit. Keller said he would recommend approval upon his return to his office.

The BLM said approval would be granted when he received copies of proposed drilling program from USGS.

The water hauler stated that the water would have to come from the San Juan River, 17 miles away.

Roy Sheppard stated that the rig would probably be available in 8 to 10 days.

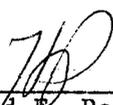
The dirt contractor said he would begin building the location as soon as we get permission from USGS and BLM.

Don Keller, Archaeologist, stated that he found no ruins on proposed drill site or on proposed roads and would send a report immediately.

April 15, 1977

Page 2.

Bob Turri with BLM stated that roads to be built should not be more than one blade width. He advised against corner cutting of existing roads. He also stated that all litter should be contained and burned or burried in burn pit. He also stated that the pits would have to be fenced after drilling the well if they were not filled immediately.

  
\_\_\_\_\_  
Harold E. Peterson

HEP/lab

MUSEUM OF NORTHERN ARIZONA  
DEPARTMENT OF ANTHROPOLOGY

ARCHAEOLOGICAL INVESTIGATIONS

PLACID OIL COMPANY

BUREAU OF LAND MANAGEMENT

MOAB DISTRICT, SAN JUAN RESOURCE AREA

FEDERAL LANDS

SAN JUAN COUNTY, UTAH

Final Report

for

Archaeological Survey of Placid Oil Company  
Drill Hole USA #DU-5

A-77-34

Prepared by:

Donald R. Keller  
Supervisory Archaeologist

Submitted by:

Alexander J. Lindsay, Jr.  
Coordinator of Archaeological Research

April 20, 1977

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
Moab District Office

Summary Report of  
Inspection for Cultural Resources

BLM Use Only: Use initials.

Case File No.

Report Acceptable Yes  No

Mitigation Acceptable Yes  No

Comments: \_\_\_\_\_

1. Project Name, Developer  
Placid Oil Company Drill Hole USA #DU-5 (oil)  
2021 First National Bank Bldg., Denver Colorado, 80202

2. Legal Description of Project Area (Attach Map Also)  
Drill hole pad area and access road location:  
NW $\frac{1}{4}$  of SE $\frac{1}{4}$  of section 24, T39S R25E, SLM (see attached map)

3. Institution Holding Antiquities Permit  
Museum of Northern Arizona

4. Antiquities Permit No.  
75AZ102

5. Dates of Field Work  
April 15, 1977

6. Description of Examination Procedures  
Intense visual inspection of entire direct impact area was accomplished by walked transects evenly spaced across the width of the drill hole pad area.  
Vegetation cover consisted primarily of meter-high sage brush (Artemesia tridentata) of moderate density.

7. Description of Findings (Attach forms or detailed report, if appropriate)  
No archaeological or paleontological sites were found during the survey.

8. Actual/Potential National Register Properties Affected  
None

9. Conclusions/Recommendations  
Archaeological clearance is recommended for Placid Oil Co. drill hole location USA #DU-5.

10. Signature of Person in Direct Charge of Field Work  
Donald R. Keller  
Archaeologist, Dept. of Anthropology, Museum of Northern Arizona

11. Signature of Title of Institutional Officer Responsible  
*[Signature]*





# United States Department of the Interior

IN REPLY REFER TO

M-100

BUREAU OF LAND MANAGEMENT  
Moab District  
San Juan Resource Area  
P. O. Box 7  
Monticello, Utah 84535

RECEIVED

APR 22 1977

U. S. GEOLOGICAL SURVEY  
DURANGO, COLO.

April 20, 1977

## MEMORANDUM

To: Jerry Long, U. S. Geological Survey, Durango, Colorado

From: Area Manager, San Juan Resource Area

Subject: Placid Oil - Stipulations w/BLM approval *Bob Turner Telephone 4/22/77*

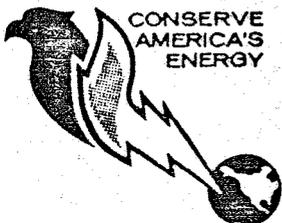
The application and 13 Point Plan for Placid Oil Company's proposal to drill in T. 39 S., R. 26 E., Sec 24 have been received and reviewed. The following stipulations will apply in addition to the 13 Point Plan.

1. An archaeological clearance be provided by Placid Oil for all areas where disturbance is planned. The archaeologist will identify sites and they will then be avoided. Salvage or excavation of sites will only be done if damage occurs. Such salvage operations will be conducted by an approved archaeologist and funding will be the responsibility of Placid Oil. In the event that a site is discovered, stop work and notify the BLM immediately. All employees working in the area will be informed that they are subject to prosecution under the Antiquities Act if caught disturbing archaeological sites or picking up artifacts.

2. The drill pad will be kept to an absolute minimum in size. The top soil will be carefully stockpiled during construction and scattered over the pad and pit during the rehabilitation phase. If a producing well is found the top soil stockpiled will be seeded in place, and will be scattered over the area upon completion of production and during rehabilitation. The drill pad will be brought back to its normal contours and the front and back slope of the drill pad will be sloped to a minimum of a 3 to 1 slope. The pit will be fenced with four strands of barbed wire at the beginning of the operation and the fence will remain intact until the pit is restored. Pit areas will be allowed to dry before attempting to rehabilitate. *Operator's discretion.*

3. Very little road construction is required; however, the road width for new construction will be limited to 12 feet or one blade width unless a producer is found. Upon abandonment of the hole, this newly constructed portion of road will be rehabilitated by returning the surface to its natural contours, removing all berms and seeded.

*Use existing road, identify Turnouts on access road. Don't blade unless necessary.*



Save Energy and You Serve America!

4. During rehabilitation all areas that have been disturbed will be seeded with three pounds per acre of Hilaria (curly grass) and one pound per acre of fourwing saltbush by a method that assures seed cover. Seeding will be performed after August 15th and before October 15th. If in the opinion of the BLM Area Manager the first seeding is unsuccessful, the operator may be required to make one more attempt at seeding until germination is successful.

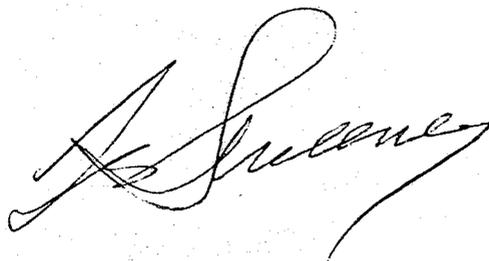
5. Item 7 in the 13 Point Plan is a suitable method of disposing of solid waste, however, during operations all trash will be contained in a pit dug a minimum of five feet in depth and fenced with chicken wire. The trash may be buried in this pit upon completion of the operation.

6. Loading and unloading of heavy equipment will be done by the use of blocks or natural embankments and absolutely no dozing of piles of dirt for this purpose will be allowed.

7. All equipment will be strictly restricted to the use of roads and drill pad and absolutely no indiscriminate off-road use will be allowed; such as corner cutting, parking of vehicles, other than on pad, or an area properly prepared and identified for parking.

8. BLM will be notified prior to the beginning of any surface disturbance work and prior to beginning rehabilitation measures.

9. Since it is impossible to specifically identify all disturbances that may occur, the BLM reserves the option to require additional rehabilitation to disturbances other than what are specifically identified in these stipulations.

A handwritten signature in cursive script, appearing to read "A. Sweeney". The signature is written in dark ink and is located in the lower right quadrant of the page.



# Museum of Northern Arizona

*Well file*

April 22, 1977

Placid Oil Company  
2021 First National Bank Bldg.  
Denver, CO 80202

ATTN: Mr. H. E. Peterson

Dear Mr. Peterson:

RE: A-77-34 Archaeological Investigations, Placid Oil Company,  
Bureau of Land Management, Moab District, San Juan  
Resource Area, Federal Lands, San Juan County, Utah.  
Drill Hole USA #DU-5.

Enclosed please find (1) copy of the Final Report for Archaeological Survey of Placid Oil Company, Drill Hole USA #DU-5, Moab District, San Juan County, Utah.

This work was sponsored by Placid Oil Company and the investigations were made under a permit in force from the United States Department of the Interior Antiquities Permit No. 75-AZ-102, Moab District, Bureau of Land Management.

This Final Report is submitted as partial fulfillment of our compliance with regulations as specified under the Antiquities Act and subsequent permits.

Sincerely,

*Alexander J. Lindsay, Jr.*

Alexander J. Lindsay, Jr.  
Coordinator of Archaeological  
Research

AJL/lis

Enclosure (1) Final Report Archaeological Survey of Placid Oil Company  
Drill Hole USA #DU-5

PLACID OIL COMPANY

INTER-COMPANY

CORRESPONDENCE

PLACE Denver, CO

DATE April 25, 1977

MEMO TO: File

Re: Placid Oil Company  
USA #DU-5  
Sec 24-T39S-R25E

Mr. Carl Barrick with the USGS in Durango, Colorado gave verbal permission this date to begin dirt work on the above captioned location. Also, he gave permission to move rig on location when dirt work is completed.

Perry McDonald was notified and stated that work would begin April 26, 1977. Earl Peavy was notified of this and informed us that the Arapahoe rig would be available to move in on approximately May 1, 1977.

  
\_\_\_\_\_  
Harold E. Peterson

HEP/lab



# Drilling Mud, Inc.

SUITE 1200 • FIRST OF DENVER PLAZA • 633 17TH STREET  
DENVER, COLORADO 80202

PHONE (303) 534-2057

April 26, 1977

*OK  
EW Peary*

Mr. Robert Gray  
Placid Oil Company  
Drawer E  
Trout, Louisiana 71371

Dear Mr. Gray:

Enclosed is our recommended mud program for your USA DU-5 well to be drilled in Section 24, Township 39 South, Range 25 East, San Juan County, Utah.

We will furnish a mud engineer who will stay near your location at Monticello. Materials will be furnished from our Grand Junction warehouse and a back up stock is available at Farmington for emergencies.

Our estimated mud cost is \$10,000 - \$12,000 based on 20 days. This estimate does not include water flows, severe lost circulation or excessive days on mud.

We appreciate the opportunity to submit these recommendations and look forward to working with you soon.

Very truly yours,

*Tom Brookey*

Tom Brookey  
Drilling Mud, Inc.

TB/mp

Enclosure

Date April 26, 1977

Company Placid Oil Company Location NWSE 24, T39S-R25E

Well Name USA DU #5 County San Juan State Utah

### CASING PROGRAM

Set 10 3/4" casing at 200 feet.  
Set 5 1/2" casing at 6250 feet.

### RECOMMENDED DRILLING FLUID PROGRAM

Depth ft	Mud Weight ppg	Viscosity sec/qt	API Filtrate ml		
-------------	-------------------	---------------------	--------------------	--	--

0 - 200'      8.5 - 9.0      32 - 45      ---

Drill with fresh water, native mud. Add gel-lime for additional viscosity as needed for hole cleaning. Treat with fiber and cottonseed hulls for any lost circulation in the surface hole.

200 - 3000'      8.4 - 8.6      ---      ---

Drill with fresh water, native mud. Some slight fresh water flows may be encountered in this interval but should not require control. Control weight and solids buildup with additions of fresh water as required. Maintain pH 10+ with caustic for corrosion protection and to treat anhydrite contamination.

3000 - 6250'      9.6 - 10.4      36 - 45      20 - 10

Return to steel pits and mud up with gel, CMC and lignosulfonate for the recommended properties. Add barite to increase weight as needed to contain possible water flows. Maintain viscosity at a minimum required for hole cleaning and good samples. Some flocculant due to gyp or anhydrite may be experienced and should be treated as required with caustic, soda ash and lignosulfonate.

3000 - 6250' (Continued)

Mechanical solids separation equipment should include a shale shaker and a desander or desilter.

Recommendations for mud properties required to drill stem test or log should be made by the mud engineer on location according to hole conditions.



**PLACID OIL COMPANY**  
**2021 FIRST NATIONAL BANK BUILDING**  
**DENVER, COLORADO 80202**

April 26, 1977

United States Geological Survey  
P.O. Box 1809  
Durango, Colorado 81301

Attention: J.W. Long

Re: Placid Oil Company  
USA #DU-5  
Sec. 24-T39S-R25E  
San Juan Co., Utah

Gentlemen:

Attached is the Archaeologists report on the above captioned well site.

Thank you,

PLACID OIL COMPANY

Harold E. Peterson

HEP/lab

Attachments

PLACID OIL COMPANY

DRAWER E

TROUT, LOUISIANA 71371

April 28, 1977

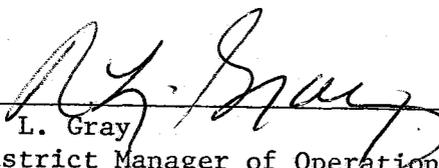
WELL FILE  
USA DU-5

Mr. R. E. Buron  
Drilling Manager  
Placid Oil Company  
1600 First Nat'l Bank Bldg.  
Dallas, Texas 75202

Re: Recommended Drilling Procedure  
USA No. DU-5 (Wildcat-Paradox)  
San Juan County, Utah

Attached is the Recommended Drilling Procedure to drill the proposed USA No. DU-5 Paradox Test to approximately 6300'. AFE No. 4011 for \$255,888.00 (Producer) has been approved. Location work is commencing and Arapaho Drlg. Company (Farmington, New Mexico) Rig No. 3 should be ready to move in within one week. Please advise if further data is required.

Very respectfully,  
PLACID OIL COMPANY

  
R. L. Gray  
District Manager of Operations

RLG/rs  
attachment

cc: Mr. Joe Christensen  
Arapaho Drlg. Co.  
Farmington, New Mexico

Mr. Harold Peterson ←  
Placid Oil Company  
Denver, Colorado

Goodpine files

# PLACID OIL COMPANY

DRAWER E

TROUT, LOUISIANA 71371

April 28, 1977

Placid Oil Company  
USA No. DU-5 (Paradox)  
San Juan County, Utah

## Recommended Drilling Procedure

1. Prepare location as recommended/approved by BLM with McDonald Construction Company.
2. MIRU Arapaho Drilling Company Rig No. 3; Spud 17-1/2" hole and drill same to 325'. Make wiper trip, run survey (Totco straight hole test) and POH.
3. Run 325' of 13-5/8" OD 54.50#/ft K-55 STC Surface Casing with GS and insert FV. Circ casing vol, cement with 375 sks Class B cmt + 2% CaCl + 0.25#/sk Flocele. Run 5 centralizers at 1 jt intervals.
4. WOC 8 hrs. Release casing. Install OCT Type C-22 12" Ser 900 Flng Top/Weldon Casing Head. NU BOP Stack.
5. Test 13-3/8" casing to 1000 psi for 1/2 hour. Run 7-7/8" bit and prepare to drill ahead with water initially.
6. May encounter possible saltwater flows (keep mud at least 9.0 ppg by 1000') in the 900'-1500' depth interval across the Entrada/Navajo/Wingate Sandstone series. If water flow occurs, plans will be made to:
  - (a) Run 12-1/4" hole opener and open hole to 12 1/4".
  - (b) Run Intermediate String of 8-5/8 OD 24#/ft K55 STC R3 casing and cmt same to seal off the wtr flow.
  - (c) Resume drlg with 7-7/8 bit below 8-5/8 casing.
7. Drill 7-7/8" hole to 6300' MD or approximately 50' into the Paradox Salt section. Est top of Paradox at 6167' MD.
  - (a) Maintain mud properties as recommended by Drlg Mud, Inc. (Probably mud-up system about 1000'). Be aware of possible Brackish Water Flows in the Cutler Sandstone Series (Est top of Cutler 2878' MD). Recommend at least 10.0 ppg mud before drilling into Cutler, (2878').

- (b) Run Straight Hole tests at least every 1000'.
  - (c) Samples - 1 set at 30' intervals 350-4850'  
1 set at 10' intervals 4850-TD
  - (d) DST may be ran if porosity/oil shows occur as examined by Geologist. No cores are scheduled.
8. When TD at 6300' or 50' into Paradox Salt, circ BU, make wiper trip, circ BU again, POH to log (SLM).
9. RU SJ and run logs as follows:
- (a) Dual Laterolog-GR Log TD to Surf Csg.
  - (b) CNL-Dens-GR Log Zones of Interest
10. If well to be completed, will run 5-1/2" casing and cement same, then release rig. Completion procedures will be prepared after log/DST analysis.
11. If well to be P&A, the plugging procedures to be as recommended by USGS, and approved by Placid Goodpine Office in Jena, La.

Morning reports to be ready by 0800 hrs CDT daily, including weekends and holidays. Placid Goodpine District Office will call Arapaho Drilling Co. Office in Farmington, New Mexico at 0800 hrs CDT daily (1-505-325-5018) for morning report. Report to include detailed description of previous 24 hrs operations In Sequence of Occurrence, including all pertinent details as outlined on attached Placid Daily Drilling Report Form. See sample report attached.

In event of matters of Placid concern, notify either of the following immediately:

Earl W. Peavy - District Engineer  
Jena, La.  
1-318-992-2131 (Office)  
1-318-992-4857 (Home)

R. L. Gray - District Operations Mgr.  
Jena, La.  
1-318-992-2131 (Office)  
1-318-992-4365 (Home)

Rec. Drlg Procedure  
April 28, 1977  
Page three

Geology support will be provided by Placid's Exploration Office in Denver, Colorado (1-303-892-6190).

All operations related to the drilling/testing/completion must be approved by Placid's Goodpine Operations Office in Jena, La.

# PLACID OIL COMPANY

DRAWER E

TROUT, LOUISIANA 71371

April 28, 1977

Placid Oil Company  
USA No. DU-5 Paradox  
San Juan County, Utah

## General Notes

TD - 6300' or 50' into Paradox Salt

AFE No. - 4011

Location - 1909' FEL and 2108' FSL  
Section 24-T39S-R25E SLM  
San Juan County, Utah

GL Elev. - 5287'

Formation Tops - (Not required)

## General Services

- (a) Construction - McDonald Const. Co. Cortez, Colo.  
1-303-565-9496 1-303-565-3656
- (b) Drilling - Arapaho Drlg. Co. Farmington, New Mexico  
1-505-325-5018 (Joe Christensen)
- (c) Water Service - Northwest Carriers, Inc. Farmington, N.M.  
1-505-327-1070 (Carl Staritt)
- (d) Mud Service - Drilling Mud, Inc. Denver, Colorado  
1-303-534-2057 (Tom Brookey)
- (e) Wellhead Eqpt. - OCT (Big Red Tool Co) Farmington, N.M.  
1-505-325-5045 (Ken Britton)
- (f) Cmt/Float Eqpt./DST Tools - Halliburton Farmington, N.M.  
1-505-325-3575 (Wayne Townsend)
- (g) Casing - 13-3/8" at Lonestar, Texas  
8-5/8" at Bovaird Supply (Farmington, N.M.)  
5-1/2" at
- (h) Logs - Schlumberger Farmington, New Mexico  
1-505-325-5006



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

SUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

USA U-6834

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

USA U-6834

9. WELL NO.

USA DU-5

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 24-T39S-R25E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
Placid Oil Company

3. ADDRESS OF OPERATOR  
2021 First National Bank Building, Denver, Colorado 80293

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

2108' FSL, 1909' FEL Sec 24-T39S-R25E

14. PERMIT NO.

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

5287' Ground

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

Surface Casing

(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.)\*

5/6/77 - Spudded 12:45 a.m. Drilled 12 1/4" hole to 327'

5/7/77 - Reamed 12 1/4" hole to 17 1/2" hole to 327'.

5/8/77 - Set surface casing; Set 13-3/8", 54.50#, K-55 STC, total 317' set at 327'.  
Cemented with 375 sacks, class B, 2% cc, 1/4# Floseal/sack; circulated good returns.

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

SIGNED

*Harold E. Peterson*  
Harold E. Peterson

TITLE

District Geologist

DATE

May 9, 1977

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

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USA U-6834

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USA U-6834

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5287' Ground

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13. STATE

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NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON\*

SHOOTING OR ACIDIZING

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REPAIR WELL

CHANGE PLANS

(Other)

Surface Casing

X

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

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RECEIVED

MAY 16 1977

U.S. GEOLOGICAL SURVEY  
DENVER, COLO.

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

SIGNED

Harold E. Peterson

TITLE

District Geologist

DATE

May 9, 1977

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Open

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPlicate\*  
(Other instruction on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

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FRACTURE TREAT   
SHOOT OR ACIDIZE   
REPAIR WELL   
(Other)

PULL OR ALTER CASING   
MULTIPLE COMPLETE   
ABANDON\*   
CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF   
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SHOOTING OR ACIDIZING   
(Other)

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ALTERING CASING   
ABANDONMENT\*

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

SIGNED

Harold E. Peterson

TITLE District Geologist

DATE May 9, 1977

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

Well file  
DU-5

May 25, 1977

Mr. Doug A. Sprinkel  
Placid Oil Company  
2021 First National Bank Bldg.  
Denver, CO 80202

RE: A-77-34 Archaeological investigations of Well location, Moab,  
Utah. Work performed during April, 1977.

Project Manager	3	hours	@ \$10.50/hr.	\$ 31.50
Supvr. Archaeologists	14	hours	@ \$ 7.75/hr.	\$108.50
Mileage on Museum vehicles	72	miles	@ \$ 0.25/mile	\$ 18.00
Supplies & Equipment, lab	1	day	@ \$15.00/day	<u>\$ 15.00</u>
Total Direct Costs				\$173.00
Indirect Costs	48%			<u>\$ 83.04</u>
Amount Due This Billing				\$256.04

Jimmy Wood  
Director of Business Affairs

A-77-34

Completion Report

Placid Oil Company  
USA #DU-5  
NW SE Sec. 24-39S-25E  
San Juan County, Utah

Contractor: Arapahoe Drilling Company - Rig #6

Tool Pusher: Roy Shepard

Spud: 5/6/77 at 12:45 a.m.

Casing: Set 13-3/8" surface casing at 327' with 375 sx of class B  
cmt, 2% CaCl

DST: No test run

Cores: No cores cut

Sample Descriptions: Attached

E-Logs: Ran dual laterolog (6189-400) and formation density/CNL  
combination (6200-4680, 1330-800)

TD: Drillers 6195 - Logger 6207

Elevation: 5287' GL - 5300' KB

<u>Log Tops:</u>	Jurassic - Bluff	660 (+4640)
	Summerville	723 (+4577)
	Entrada	810 (+4490)
	Carmel	1071 (+4229)
	Navajo	1112 (+4188)
	Triassic - Kayenta	1509 (+3791)
	Wingate	1606 (+3694)
	Chinle	1901 (+3399)
	Shinarump	2772 (+2528)
	Moenkopi	2840 (+2460)
	Permian - Cutler	2889 (+2411)
	Penns. - Hermosa	4830 (+470)
	Ismay	5833 (-533)
	Desert Creek	6022 (-722)
	Paradox Salt	6148 (-848)

Plugs: 6170-5970 w/60 sx  
5900-5750 w/45 sx  
4930-4780 w/45 sx  
2025-1875 w/45 sx  
1160-1010 w/45 sx  
375-275 w/30 sx  
surface w/30 sx

Well plugged and abandoned 5/30/77.

Conclusions: The original objective of this well was to test porosity development within carbonate facies of the Desert Creek and Ismay zones. Carbonate porosity would represent algal mound development along the shelf margins of the evaporitic basin during the deposition of the Desert Creek and Ismay cycles. It was hoped that porosity would be developed and be structurally high on an indicated nose.

Structurally, our well ran approximately 11' high to prognosis. However, our well ran low to our structure map, which has shifted the indicated nose to the west and it appears that structural closure would not be present. Although we were in carbonate facies, no algal development was present in the Ismay and only a 2' zone was present in the Desert Creek. Thus, we did not encounter porosity in the Ismay zone and only 2' of porosity in the Desert Creek zone. Only very minor oil shows were present in both the Ismay and Desert Creek zones. Very minor oil shows were also encountered in the Entrada and Navajo sands. However, these zones calculated out to be wet and may have been the result of contamination.

Recommendations: I feel that this well has sufficiently tested this prospect and that the Ismay and Desert Creek porosity zones are too thin and too erratic to pursue any further. I recommend that the acreage be dropped as rentals become due.

---

Doug Sprinkel

Placid Oil Company USA #DU-5  
NW SE Sec. 24-39S-25E  
San Juan County, Utah

400-430 ss, ltgy-wht, f-mg w/sm cly infill, sli calc, tr min fl  
430-460 aa  
460-490 aa  
490-520 aa w/incrensng amnt ss, brn; fg; calc, friable; tr pyrite  
520-550 aa  
550-580 ss, ltgy-lt brn, fg, friable, sli calc;  
580-610 ss, aa  
610-640 ss, aa  
640-670 ss, aa  
670-700 ss, aa; clystn, grn, sft.  
700-730 ss, aa, grdng into sltstn, brn, fm  
730-760 sltstn, brn-brnshrd, fm  
760-790 aa  
790-820 aa  
820-850 aa  
850-880 sltstn, aa; sm clystn, wht, sft  
880-910 sltstn, aa w/incrensng amt of ss, brn, mg-fg; sm cly infill, sli calc  
910-940 sltstn-ss, aa  
940-970 ss, aa w/ vspty fl, v sli cut  
970-1000 ss, aa, vspty fl, vwk strm cut  
1000-1030 ss, aa, n pl  
1030-1060 no sample  
1060-1090 sltstn, aa w/sh, brn gy, fm, blk  
1090-1120 sltstn-ss, aa  
1120-1150 aa w/sm sh, aa  
1150-1180 aa  
1180-1210 ss, ltbrn, f-mg, sm cly infill, sli calc, vspty, fl, vwk cut  
1210-1240 ss, aa, vspty fl, vwk cut  
1240-1270 ss, aa w/incrensng amnt of cly infilling  
1270-1300 sltstn, brn, fm; tr calcite, wht  
1300-1330 aa  
1330-1360 aa, w/ lrge amnt calcite, wht  
1360-1390 sltstn, aa  
1390-1420 aa  
1420-1450 aa  
1450-1480 aa  
1480-1510 aa  
1510-1540 aa  
1540-1570 aa w/incrensng amnt ss, lt brn-brn, vfg, cli calc, n fl.  
1570-1600 ss, brn-rd brn, fg, fl, sli calc  
1600-1630 ss, aa w/incrensng in cly infill  
1630-1660 ss, aa w/sh, rdshbrn, slty, blk  
1660-1690 aa  
1690-1720 ss, aa w/sm sh, aa  
1720-1750 aa  
1750-1780 sh, aa w/ss, aa  
1780-1810 slty ss, aa w/sm sh, aa  
1810-1840 aa  
1840-1870 aa  
1870-1900 aa w/incrensng sh, aa  
1900-1930 aa  
1930-1960 sh, brn-rdbrn, sft, slty, blk  
1960-1990 sh, aa, w/sm clystn, mgy  
1990-2020 aa w/sm sltstn, aa  
2020-2050 sltstn, aa; sh, aa; clystn, aa  
2050-2080 aa w/mttld rd clystn  
2080-2110 aa  
2110-2140 sh, aa; clystn, aa  
2140-2170 clystn, aa, sh, aa w/dersng amnt of slty sh  
2170-2200 sh, dkbrn-rdbrn, sft, blk, clystn, ltgy-grn, sft, sm/mttld red

2200-2230 aa  
 2230-2260 aa  
 2260-2290 aa  
 2290-2320 aa  
 2320-2350 aa  
 2350-2380 aa  
 2380-2410 aa w/incrsng slty sh, rd-brn rd, sft, blk  
 2410-2440 slty sh, aa w/incrsng clystn, aa  
 2440-2470 aa  
 2470-2500 slty sh, aa  
 2500-2530 aa  
 2530-2560 aa  
 2560-2590 sltstn, rdshbrn, fm, calc; sm sh, brn, blk, sft  
 2590-2620 slty ss, rdshbrn, smwht friable, calc, n/fl  
 2620-2650 sltstn, aa  
 2650-2680 aa w/sm sh, brn, sli micaceous, blk  
 2680-2710 aa  
 2710-2740 sh, brn-rdbrn, sli slty, blk, smwht fm, calc  
 2740-2770 aa  
 2770-2800 aa  
 2800-2830 aa  
 2830-2860 aa w/incrsng sh, mgy, sft; clystn, mgy-grn, sft  
 2860-2890 sh, brn, calc, blk, smwht fm, clystn, mgy, sft, sh, dkg, vhd, blk  
 2890-2920 aa  
 2920-2950 aa, w/incrsng amnt sh, vari-colored  
 2950-2980 sh, vari-colored (grn, rd, or) fm, sli calc, blk; sm clystn, aa;  
 abundant loose qtz grains  
 2980-3010 aa  
 3010-3040 sh, vari-colored (grn, rd, or) sli mica, sft-smwht fm, blk, sm  
 clystn, aa; qtz, aa  
 3040-3070 aa w/dcrsng amnt of qtz  
 3070-3100 aa w/no qtz  
 3100-3130 aa  
 3130-3160 aa  
 3160-3190 aa  
 3190-3220 aa  
 3220-3250 aa  
 3250-3280 aa  
 3280-3310 aa  
 3310-3340 aa  
 3340-3370 aa w/sm slty sh, brn-rdbrn, sft, blk  
 3370-3400 aa  
 3400-3430 slty sh, brn-rdbrn, sft blk; sh, vari-colored, aa  
 3430-3460 sh, aa; sh, vari-colored, aa  
 3460-3490 sh, vari-colored, aa  
 3490-3520 ss, lt-dkbrn, fg, fm, cly infilled, n/fl; sm slty sh, aa  
 3520-3550 sltstn, lt-dkbrn, fm, blk grdng into slty sh, aa; sm ss, aa  
 3550-3570 sh & slty sh, brn-rdbrn-grn; sft, smwht mica, calc; sm clystn,  
 wht, sft.  
 3570-3600 sh, brn-grn, sft, sli calc, smwht mica; sm clystn, aa  
 3600-3630 sh, brn-grn, aa; sm clystn, aa; tr chrt, blk.  
 3630-3660 aa, w/no chrt  
 3660-3690 aa w/tr slty ss, brn, fg, cln, calc, mica, n/fl  
 3690-3720 ss-slty ss, brn-ltbrn, fg smwht clyfilled, mica, friable, sli calc,  
 n/fl; sh, aa; clystn, aa  
 3720-3750 sh, aa  
 3750-3789 sh, brn-rdbrn, smwht slty, blk, calc, sft; sltstn, brn, sli mica,  
 calc, sft, sm sh, grn, sft  
 3780-3810 sh-slty sh, brn-rdbrn, sft-fm, blk, calc, large flakes, brn  
 mica; sh, grn, sft; sm ss, ltgy-gr, friable, calc, flakes of  
 brn-blk, mica, n/fl  
 3810-3840 sh, aa; sltstn, aa; ss, aa  
 3840-3870 sh, aa w/sh, vari-colored, aa  
 3870-3900 sh, brn-rdbrn, slty, calc, sm w/mica flakes, sft; sh, grn, slty  
 in part, sft  
 3900-3930 aa  
 3930-3960 sltstn-vsly sh, brn-rdbrn, sft, calc, mica flakes; sm ss, lt gy-grn,  
 friable, clyfill, sh, gn, aa  
 3960-3990 aa, grdng into sh, aa  
 3990-4020 sh, aa w/sh, vari-colored, aa  
 4020-4050 aa  
 4050-4080 aa  
 4080-4110 aa w/ss, wht-lt grn, vfg-fg, friable, calc, cln

4110-4140 sh, aaw/sh, vari-colored, aa  
 4140-4170 sh, brn-vari-colored, sft, smwht slty; sltstn, brn, sft  
 4170-4200 sltstn, brn, fm, blk;ss, brn-librn-grn, vfg, fg, calc, large  
 brn mica flakes present  
 4200-4230 sh, brn-rdbrn-grn, slty, sft, calc, sm sltstn, aa;  
 4230-4260 aa w/tr ss, brn, vfg-fg, sli calc, pyritic, sli mica.  
 4260-4290 sltstn, brn, blk, calc; ss, aa; sm sh, aa  
 4290-4320 sltstn, aa, w ss, wht-gn, vfg-fg, calc; tr anhy, wht, sft  
 4320-4350 sh, aa w/sltstn, aa; sm ss, aa; tr anhy  
 4350-4380 sh, aa w/sm sltstn, aa  
 4380-4410 aa w/increng gn sh & tr ls, ltbrn, vf xln, hd, tt  
 4410-4440 sltstn-slty ss, brn, vfg-fg, calc, mica pyrite present; sh, aa;  
 tr anhy, wht-ltgn, fm  
 4440-4470 sh, vari-colored (sm wht mttled rd&brn), v slty, calc, blk;  
 sh, gn, aa  
 4470-4500 sh, aa; anhy, wht, fm  
 4500-4530 sh, aa w/tr ls, ltgy, vfxln, tt  
 4530-4560 sltstn--slty ss, brn, vfg-fg, sli calc, mica, pyrite present, sh, aa  
 4560-4590 aa, w/tr ls, mgy, fxl, dns, tt, anhy, wht, sft  
 4590-4620 aa  
 4620-4650 aa  
 4650-4680 sh, brn-rdbrn, calc, slty, fm-sft; sm sh, mgy, sft, smwht slty  
 4680-4710 sh, aa  
 4710-4740 ss, brn-wht, vfg-fg, fm, calc, large mica flakes present, pyrite;  
 sh, aa  
 4740-4770 sh, aa w/sm ss, aa; ls, mgy, vfxln; hd, tt; increng amnt of sh,  
 mgy, aa  
 4770-4780 aa w/dcreng in ls, aa  
 4780-4790 aa  
 4790-4800 aa w/tr ls, aa  
 4800-4810 ss, ltgy-wht-brn, vfg-fg, fm, pyrite, large mica flakes, calc  
 4810-4820 ls, ltgy-gngy, vfxln, dns, hd, tt; sm, ss, aa  
 4820-4830 aa  
 4830-4840 ls, ltgy-gngy, vfxln-fxl, cln, hd, tt w/sm ls, wht, hd, oolitic in pt.,  
 tr min fl  
 4840-4850 ss, wht-ltgy, fg, clyfill, fm-friable in pt., sli glauc; sh,  
 mgy-gn-rd, sft; sm ls, aa  
 4850-4860 ls, wht-ltgy, vfxln, dns tt; sh, mgy-gn, sft, slty  
 4860-4870 ls, ltgy-mgy, fxl, dns, slty in pt. tt; sm sltstn, brn, calc; sm sh,  
 aa  
 4870-4880 aa  
 4880-4890 aa, w/dcreng amnt slty ls.  
 4890-4900 ls, wht-ltgy, vfxln, dns, tt; ss, wht-ltgy, fg, mica, calc, pyritic,  
 glauc in pt.  
 4900-4910 sh, mgy-gn-rdbrn, sft, fiss inprt, calc; ls, aa  
 4910-4920 ls, mgy-dkgy, vfxln, suc in prt, vhd, dns, tt, sli chrty  
 4920-4930 ls, wht, fxl, sft, tt  
 4930-4940 ls, wht-ltgy, fxl, sft-fm, tt, tr min fl  
 4940-4950 ss, ltgy-gn, vfg-fg, sft, glauc in pt., mica, calc; sh, brn-rdbrn,  
 sft; ls, aa  
 4950-4960 sh, mgy-gn-rdbrn, sft; sli slty, ls, aa, sm ss, aa  
 4960-4970 aa  
 4970-4980 aa  
 4980-4990 aa w/tr anhyd, wht, sft  
 4990-5000 ss, ltgy-gn, vfg, fm, glauc in pt., calc, sli mica; ls, aa  
 5000-5010 ls, mgy, sndy, fxl, pyrite present, sh, aa  
 5010-5020 sh, rdbrn-mgy-gn, sft, sli slty, blk; ls, aa; chrt, blk  
 5020-5030 ls, mgy-wht, fxl, slty in pt., crinoid columnals present, tt;  
 sh, aa  
 5030-5040 ls, mgy, ltgy, fxl, slty in pt, crinoid columnals & sm fossil  
 debris present, tt, calcite veins present w/calcite filled vugs,  
 min fl,  
 5040-5050 ls, wht-ltgy, vfxln, dns, hd, tt  
 5050-5060 ls, mgy, fxl, slty in pt, hd, tt, abund crinoid columnals present  
 5060-5070 sh, rdbrn-gn-mgy, sft, sli slty; ls, aa; tr anhyd, wht, sft  
 5070-5080 sh, rdbrn-gn-mgy, sft, slty, calc; ls, aa  
 5080-5090 sh, rebrn-brn-mgy, fm, sli, slty, calc, ls, aa  
 5090-5100 sh, brn, rdbrn, fm, calc, slty; ls, aa  
 5100-5110 aa w/increng amnt ls, brn-mgy, hd, tt, slty in pt.

5110-5120 sh, aa  
5120-5130 sh, aa; ls, aa  
5130-5140 sh, aa  
5140-5150 aa  
5150-5160 aa  
5160-5170 ls, wht, vfxln, fm, tt; sm sh, aa  
5170-5180 aa w/crinoid columnals present  
5180-5190 ls, mgy-brn, fm, tt, vslty; sltstn-slty, sh, mgy-brn, fm, calc, blky  
5190-5200 sh, mgy-rdbrn, sft, fiss in pt, sli calc  
5200-5210 ls, mgy-brn, vfxln, sli slty, tt, hd; sh, mgy, fm=sft, fiss, wxy  
5210-5220 ls, aa w/sm pyrite present; sh, aa  
5220-5230 ls, mgy-ltgy, fxl n slty in pt, tr oolites, fm-hd, ttl sh, aa  
5230-5240 ls, mgy-dkgy, fxl n, fm, tt, sli sltyl sh, mgy-dkgy, sft, fiss, wxy  
5240-5250 aa w/incrsng sh, aa; sh, brn-rdbrn, slty, sft, blky, calc  
5250-5260 sh, aa; ls, aa  
5260-5270 ss, mgy-gn-wht, fm-friable, cli calc, mica, fg-vfg; sh, aa, tr ls, aa  
5270-5280 sh, mgy-gngy, sft, sli slty, smwht blky, sli calc; sm ls, aa; sm ss, aa  
5280-5290 sh, aa w/ sltstn, brn-rdbrn, sft-fm, calc; incrsng amnt of ls, aa  
5290-5300 ls-sh, ls, ltgy-hd, vfxln, tt; sh, mgy-gngy-gn, sft, slty in pt, sli calc  
5300-5310 ls, wht, fm, oolitic, tt, n/s; sh, aa  
5310-5320 ls, wht, fm, oolitic, w/ls, mgy-gngy, hd, slty, tt; sh, aa  
5320-5330 sh, mgy-dkgy, fm, slty, calc, blky; sh, gn-gngy, sft, fiss; ls, aa  
5330-5340 aa  
5340-5350 ls, ltgy, fxl n, sli sac, hd, tt; sh, aa  
5350-5360 aa  
5360-5370 ls, ltgy-mgy, fxl n, hd-fm, tt, lrge amnt calcite, tr tabulate corals  
5370-5380 ls, mgy-ltgy, fsl n, hd, tt  
5380-5390 ls, aa w/ls, wht, vfxln, sft, tt; incrsng amnt sh, mgy-gn, sft-fm, sli slty, calc  
5390-5400 sh, aa  
5400-5410 sh, gngy-mgy, sft, fiss, calc, sli slty; sltstn, brn, blky, fm  
5410-5420 sh, aa w/ls, aa  
5420-5430 aa  
5430-5440 ls, ltgy-mgy, vfxln, hd,tt; sh, aa  
5440-5450 sh, mgy-gngy-brn, fm, fiss, calc;ls,aa  
5450-5460 sh, aa w/incrsng ls, aa  
5460-5470 sh, dkgy-mgy, fm, blky, sli calc, slty in pt.  
5470-5480 aa  
5480-5490 ls, ltgy-wht, sft-fm, tt, sli blky; sm sh, aa  
5490-5500 ls, mgy-ltgy, sm, vfxln, tt, sm ls, aa; incrsng sh, aa  
5500-5510 sltstn, brn-rdbrn, sft, calc, sh, aa; ls, aa  
5510-5520 ls, mgy-dkgy, vfxln, fsl n, fm slty, sm crinoid columnals present; sh, aa  
5520-5530 sh, brn-mgy-rdbrn, vslty, sft fm, calc; sm ls, aa; tr anhyd, wht, sft  
5530-5540 sh, dkgy-mgy, calc, blky, fm, vslty; sm, anhyd, aa  
5540-5550 aa  
5550-5560 aa  
5560-5570 aa w/sm anhyd present, aa  
5570-5580 ls, mgy-ltgy, fxl n, fm-hd, tt, sli slty; sh, aa  
5580-5590 sh, mgy, fm, slty, calc; ls aa  
5590-5600 aa  
5600-5610 aa  
5610-5620 sltstn, brn-rdbrn, sft, blky, calc; sh, aa  
5620-5630 sh, mgy-brn, sft, sli calc,slty in pt, blky; sm sltstn, aa  
5630-5640 aa w/tr anhyd, wht, sft  
5640-5650 sh, aa w/sm sltstn, aa  
5650-5660 ls, wht-ltgy, fm-hd, fxl n-oolitic in pt, slty in pt; sh, aa  
5660-5670 ls, ltgy-mgy, hd, tt, vfxln; sh, aa  
5670-5680 aa  
5680-5690 sh, mgy, sft-fm, slty, blky, calc; ls, mgy, vfxln, hd,slty in pt, tt  
5690-5700 ls, aa; sh, aa - sh-ls in almost equal amounts

5700-5710 aa  
 5710-5720 sh, aa w/ls, aa; incrsng amnt ls, ltgy, fm, fxln, sli suc, dolo in pt, tt  
 5720-5730 aa  
 5730-5740 ls, ltgy, fxln, fm, dolo in pt, sli suc, tt; sh, aa; tr anhyd, wht, vsft  
 5740-5750 ls, ltgy, fxln, fm, slic suc, tt, chrty, n/s  
 5750-5760 sh, mgy-dkgy, sft, calc, slty, blk-fiss; ls, ltgy, vfxln, slic surc, dolo in pt  
 5760-5770 aa  
 5770-5780 sh, dkgy-mgy, fm, calc, silty in pt, blk-fiss  
 5780-5790 sh, blk, sft-fm, slty in pt, calc, fiss  
 5790-5800 aa  
 5800-5810 aa w/sh, mgy, fm, slty, calc, blk  
 5810-5820 aa  
 5820-5830 ss, w/incrsng ls, mgy, fxln, fm, sli slty, no  $\phi$ , n/s  
 5830-5840 aa w/incrsng ls, mgy-dkgy, fm-hd, vfxln-fxln, sli suc, tt, n/s  
 5840-5850 ls, dolomtc ls, mgy-dkgy, fxln, fm-hd, sli suc, tt, n/s; sm anhyd, wht, sft  
 5850-5860 ls-dolomtc ls, mgy, fxln, fm, smwht suc, tt, vsli fl, vw ring cut upon drying; anhyd; aa  
 5860-5870 ls, mgy-ltgy, fxln-mxln, suc, dolo in pt, v little  $\phi$ , vsk spty fl upon drying, n/c  
 5870-5880 dolo--ls, mgy-lt, fxln, n/s; anhyd, wht, sft, smwht xln  
 5880-5890 anhyd, sft, fxln-amorph, sft-fm; dolomtc ls, aa  
 5890-5900 aa  
 5900-5910 aa w/poss tr gyp  
 5910-5920 anhyd-ls; anhyd, aa; ls, ltgy-mgy, vfxln-fxln, no  $\phi$ , tr min fl, n/c  
 5920-5930 ls, mgy-dkgy, fxln, fm, slty in pt, tt, n/s; sh, dkgy, fm-sft, fiss  
 5930-5940 ls, dkgy-mgy, fxln, hd, dnse, tt, n/s; sh, aa; tr anhyd, wht, sft  
 5940-5950 ls ltgy, fxln-mxln, fm, slty in pt, sm  $\phi$  present but mostly tt  
 5950-5960 ls, aa w/incrsng amnt anhyd, wht, sft-brittle  
 5960-5970 ls-anhyd, aa  
 5970-5980 anhyd, wht, sft-brittle, amorph-vfxln  
 5980-5990 sh, blk-dkgy, fm, slty, blk; anhyd, aa; ls, aa  
 5990-6000 sh, aa; dolo-dolomtc ls, mgy, fxln, fm, v little  $\phi$ , n/s  
 6000-6010 sh, aa  
 6010-6020 sh, aa w/incrsng ls-dolo, mgy-brngy, fxln-mxln, sm  $\phi$  present but generally tt, fm-hd  
 6020-6030 ls-dolo, mgy-brngy, fxln-mxln, sm  $\phi$  present, fm-hd, wk pale yell fl, v sli cut upon drying, vsli ring cut  
 6030-6040 ls-dolo, mgy-brngy, fxln-mxln, sm  $\phi$ , fm-hd, n/s; incrsng amount of sh, dkgy-blk, fm, fiss, slty in pt, calc; tr anhyd, wht, sft-fm  
 6040-6050 sh, blk-dkgy, sft-fm, fiss, sli calc; ls--dolo, aa; tr anhyd, aa  
 6050-6060 ls-dolomtc ls, dkgy-blk, fxln, hd, no apparent  $\phi$ , v spty fl, v wk ring cut; sh, aa  
 6060-6070 ls-dolomtc ls, aa w/tr spty fl, vw ring cut; sh aa-sh-ls in equal amounts; sltstn, rd-rdbrn, sft, blk  
 6070-6080 sh, dkgy-blk, fiss, fm, sli cala; ls-dolo, aa, n/s; sltstn, aa  
 6080-6090 ls, mgy-dkgy, fm, mxln-fxln, sm  $\phi$  present, tr spty fl, wk upon drying; anhyd, wht, sft-fm  
 6090-6100 ls, mgy-dkgy, mxln-fxln, sm  $\phi$  present, n/s, sh, aa  
 6100-6110 sh, dkgy-blk, sft, fiss, calc, slty in pt; ls, aa  
 6110-6120 sh, blk, vsft, fiss  
 6120-6130 ls, dkgy-mgy, fxln-mxln, sm  $\phi$  present but mostly tt fm-hd, n/s; sh, aa  
 6130-6140 ls-dolo, dkgy-mgy, fxln, mxln, sm  $\phi$  present but mostly tt, hd, spty, fl, wk cut; sh, aa, tr anhyd, wht, sft-fm  
 6140-6150 ls-dolo, aa, vspty fl, n/c w/incrsng anhyd, wht, sft-fm  
 6150-6160 anhyd-ls-dolo, aa  
 6160-6170 anhyd, aa w/sm salt; ls-dolo, aa  
 6170-6180 salt; anhyd, aa; ls-dolo, aa  
 6180-6190 aa  
 6190-6195 aa  
 TD 6195





UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

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

2. NAME OF OPERATOR: Placid Oil Company

3. ADDRESS OF OPERATOR: 2021 First National Bank Bldg. Denver, Colorado 80293

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*
At surface 1909' FEL, 2108' FSL, Sec. 24-39S-25E
At top prod. interval reported below
At total depth
Same as surface

14. PERMIT NO. DATE ISSUED

15. DATE SPUDED 5/6/77 16. DATE T.D. REACHED 5/30/77 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 5287 GL; 5300 KB 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 6207' 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS Surface to 6207'

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\* 25. WAS DIRECTIONAL SURVEY MADE Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN Dual Laterolog and Formation Density/CNL 27. WAS WELL CORED No

28. CASING RECORD (Report all strings set in well) Table with columns: CASING SIZE, WEIGHT, LB./FT., DEPTH SET (MD), HOLE SIZE, CEMENTING RECORD, AMOUNT PULLED

29. LINER RECORD Table with columns: SIZE, TOP (MD), BOTTOM (MD), SACKS CEMENT\*, SCREEN (MD)
30. TUBING RECORD Table with columns: SIZE, DEPTH SET (MD), PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. Table with columns: DEPTH INTERVAL (MD), AMOUNT AND KIND OF MATERIAL USED

33.\* PRODUCTION RECORD Table with columns: DATE FIRST PRODUCTION, PRODUCTION METHOD, WELL STATUS

Table with columns: DATE OF TEST, HOURS TESTED, CHOKE SIZE, PROD'N. FOR TEST PERIOD, OIL-BBL., GAS-MCF., WATER-BBL., GAS-OIL RATIO
Flow, tubing press., casing pressure, calculated 24-hour rate, oil-bbl., gas-mcf., water-bbl., oil gravity-API (corr.)

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

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED: Doug Sprinkel TITLE: Geologist DATE: June 2, 1977

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

Open

# INSTRUCTIONS

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

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

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

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

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

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

### 37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.

### 38.

### GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Entrada	810	810
Navajo	1112	1112
Chinle	1901	1901
Cutler	2889	2889
Hermosa	4830	4830
Ismay	5833	5833
Desert Creek	6022	6022
Paradox Salt	6148	6148

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

SUBMIT IN DUPLICATE\*

(See instructions on reverse side)

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

5. LEASE DESIGNATION AND SERIAL NO.

USA U-6834

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

USA U-6834

9. WELL NO.

USA DU-5

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 24-39S-25E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

**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  
**Placid Oil Company**

3. ADDRESS OF OPERATOR  
**2021 First National Bank Bldg. Denver, Colorado 80293**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface **1909' FEL, 2108' FSL, Sec. 24-39S-25E**

At top prod. interval reported below

At total depth  
**Same as surface**

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

15. DATE SPUDDED **5/6/77** 16. DATE T.D. REACHED **5/30/77** 17. DATE COMPL. (Ready to prod.) \_\_\_\_\_ 18. ELEVATIONS (DF, REB, BT, GR, ETC.)\* **5287 GL; 5300 KB** 19. ELEV. CASINGHEAD \_\_\_\_\_

20. TOTAL DEPTH, MD & TVD **6207'** 21. PLUG, BACK T.D., MD & TVD \_\_\_\_\_ 22. IF MULTIPLE COMPL., HOW MANY\* \_\_\_\_\_ 23. INTERVALS DRILLED BY \_\_\_\_\_ ROTARY TOOLS \_\_\_\_\_ CABLE TOOLS \_\_\_\_\_

Surface to 6207'

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* \_\_\_\_\_ 25. WAS DIRECTIONAL SURVEY MADE  
**Yes**

26. TYPE ELECTRIC AND OTHER LOGS RUN  
**Dual Laterolog and Formation Density/CNL** 27. WAS WELL CORED  
**No**

28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	54.50	327'	17 1/2"	375 sx of class B cm, 2%cc	None

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

31. PERFORATION RECORD (Interval, size and number)	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	6170-5970	60 sx reg.
	5900-5750	45 sx reg.
	4930-4780	45 sx reg.
	2025-1875	45 sx reg.
	1160-1010	45 sx reg.
	375-275	30 sx reg.
	Surface	30 sx reg.

33.\* PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) \_\_\_\_\_ WELL STATUS (Producing or shut-in) \_\_\_\_\_

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

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) \_\_\_\_\_ TEST WITNESSED BY \_\_\_\_\_

35. LIST OF ATTACHMENTS

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

SIGNED Doug Sprinkel TITLE **Geologist** DATE **June 2, 1977**

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

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions. If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

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

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

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SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.

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NAME	TOP	
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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN **DUPLICATE\***  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

<p><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>		<p>6. LEASE DESIGNATION AND SERIAL NO. USA U-6834</p>
<p>1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <b>Dry Hole</b></p>		<p>7. UNIT AGREEMENT NAME</p>
<p>2. NAME OF OPERATOR <b>Placid Oil Company</b></p>		<p>8. FARM OR LEASE NAME USA U-6834</p>
<p>3. ADDRESS OF OPERATOR <b>2021 First National Bank Bldg. Denver, Colorado 80293</b></p>		<p>9. WELL NO. USA DU-5</p>
<p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface  <b>1909' FEL, 2108' FSL, Sec. 24-39S-25E</b></p>		<p>10. FIELD AND POOL, OR WILDCAT <b>Wildcat</b></p>
<p>14. PERMIT NO.</p>		<p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>Sec. 24-39S-25E</b></p>
<p>15. ELEVATIONS (Show whether DF, RT, OR, etc.) <b>5287' GL; 5300' KB</b></p>		<p>12. COUNTY OR PARISH 18. STATE <b>San Juan Utah</b></p>

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

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

Cement plugs were set 5/30/77 as follows:

6170-5970	w/60 sx reg.	Covers Desert Creek
5900-5750	w/45 sx reg.	Covers Ismay
4930-4780	w/45 sx reg.	Top/Hermosa
2025-1875	w/45 sx reg.	Top/Chinle - Base/Wingate
1160-1010	w/45 sx reg.	Top/Navajo
375-275	w/30 sx reg.	Surface casing; Half in - Half out
Surface	w/30 sx reg.	

A dry hole marker was set according to regulations.

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

SIGNED *Doug Sprinkel* TITLE Geologist DATE June 2, 1977

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

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

SUBMIT IN DUPLICATE\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

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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.)\*

Verbal approval was received 5/29/77 from the USGS, Durango, to plug as follows:

- |           |      |         |                                    |
|-----------|------|---------|------------------------------------|
| 6170-5970 | w/60 | sx reg. | Covers Desert Creek                |
| 5900-5750 | w/45 | sx reg. | Covers Ismay                       |
| 4930-4780 | w/45 | sx reg. | Top/Hermosa                        |
| 2025-1875 | w/45 | sx reg. | Top/Chinle - Base/Winegate         |
| 1160-1010 | w/45 | sx reg. | Top/Navajo                         |
| 375-275   | w/30 | sx reg. | Surface casing; Half in - Half out |
| Surface   | w/30 | sx reg. |                                    |

A dry hole marker will be set and location rehabilitation undertaken according to BLM requirements.

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

SIGNED *Doug Sprinkel* TITLE Geologist DATE June 2, 1977  
Doug Sprinkel

(This space for Federal or State office use)

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

FORM OGC-8-X

FILE IN QUADRUPLICATE

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL & GAS CONSERVATION  
1588 West North Temple  
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number USA DU-5  
Operator Placid Oil Company Address 2021 1st Nat'l Bldg. Phone 892-6190  
Denver, Colo. 80299  
Contractor Arapahoe Drilling Company Address Farmington, New Mexico Phone \_\_\_\_\_  
Location NW 1/4 SE 1/4 Sec. 24 T. 39 N R. 25 (S) (E) San Juan County, Utah  
W

Water Sands:

	<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
	From	To	Flow Rate or Head	Fresh or Salty
1.	660	720	No flows encountered, no rates taken	no samples
2.	900	1020		
3.	1112	1500		
4.	1520	1570		
5.	1605	1780		

(Continue on reverse side if necessary)

Formation Tops: Bluff 660, Entrada 810, Navajo 1112, Kayenta 1509, Wingate 1606  
Cutler 2089, Hermosa 4830, Ismay 5833, Desert Creek 6022, Salt 6148

Remarks:

- NOTE:
- (a) Upon diminishing supply forms, please inform this office.
  - (b) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure, (See Back of form).
  - (c) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

WELL

Federal DU-5  
USA #DU-5

The following information and reports pertaining to the above captioned well have been incorporated into our file and copies of each have been forwarded to the Dallas office and other interested parties on the date indicated.

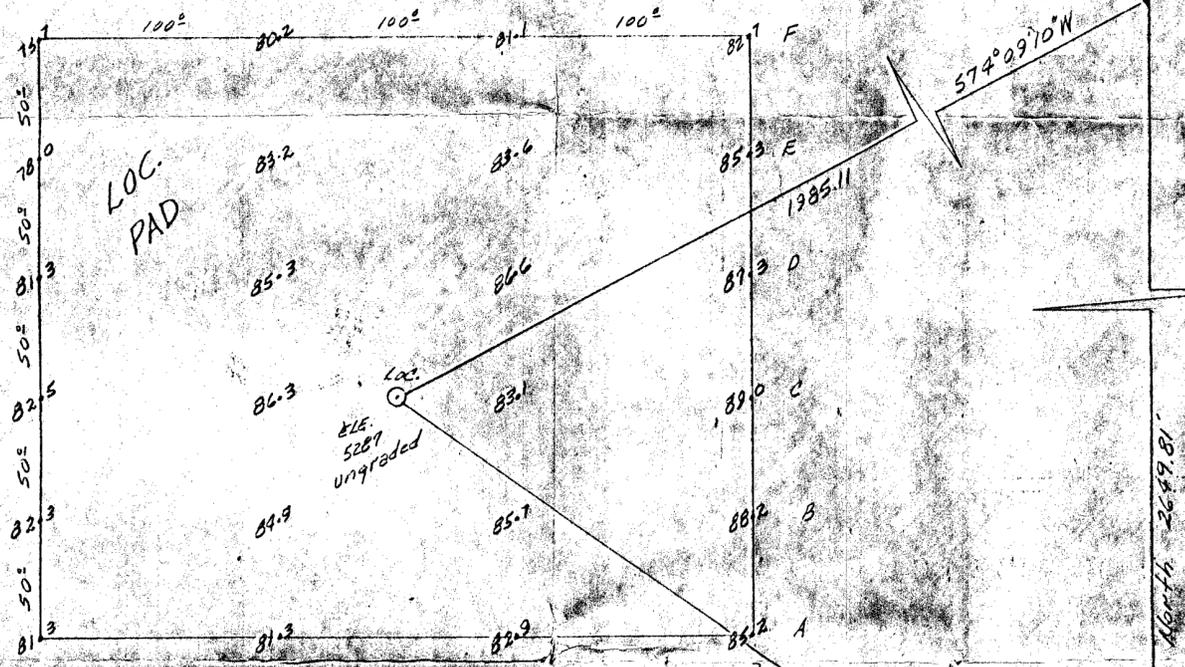
Bradshaw  
Anderson

	Well File	Dallas	Good Pine	State of Utah	GeHy Skyline Chbrney	PICK BURON
A. Location Plat	3/18/77	4/1/77	4/1/77 <sup>4/24/77</sup>	4/1/77		
B. Application for Permit to Drill						
1. State (Unapproved)**						
(Approved)						
2. Federal (Form 9-331-C)* (Unapproved)** (12-Pt. Program)	4/1/77	4/1/77	4/26/77 4/1/77	APP ONLY 4/1/77	APP ONLY	
(Approved)						
C. Geological Prognosis	4/1/77	4/1/77	4/1/77 <sup>4/24/77</sup>			4/1/77
D. Electrical Logs					6/1/77	
1. Field Prints	5/31/77	—	—			
2. Final Prints	4/20/77	4/20/77	4/20/77	on mailing List	on mailing List	
E. Core Analysis Reports		—				
F. Drill Stem Test Reports		—				
G. Geological Well Completion Report		4/3/77	6/3/77		4/3/77	
H. Other Geological Data (specify)		4/3/77		6/3/77	6	
1. Utah State Waterzone Report						
2.						
I. Abandonment Reports						
1. State Abandonment Reports (plugging and log of well) (Unapproved)**						
(Approved)						
2. Federal*						
a. Sundry Notices (Form 9-331)	6/3/77	6/3/77	4/3/77	4/3/77	6/3/77	
1. Unapproved** USGS/BLM						
2. Approved <del>abandonment</del> <sup>intention</sup>	<del>6/3/77</del>	<del>6/3/77</del>	<del>6/3/77</del>	<del>6/3/77</del>	<del>6/3/77</del>	<del>6/3/77</del>
b. Well Completion Report and Log (Form 9-330) USGS/BLM		6/3/77	6/3/77	6/3/77	6/3/77	

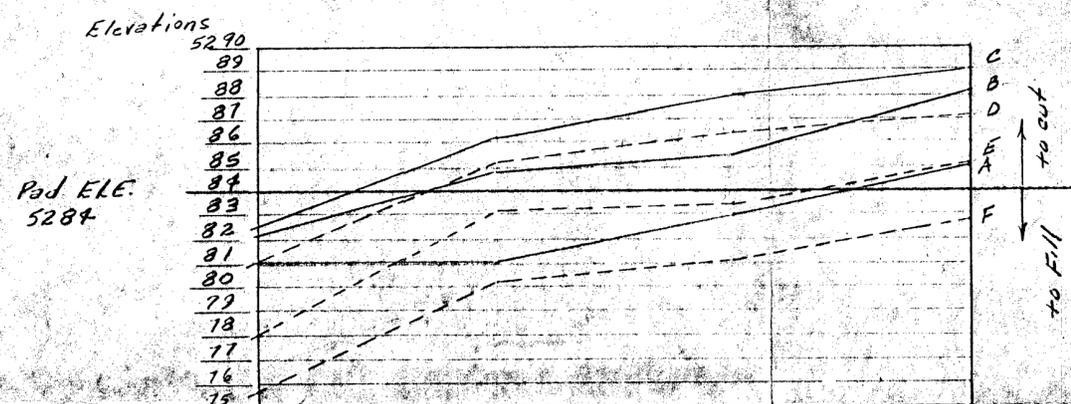
\*Applicable on wells drilled on U.S.A. leases.

\*\*Applicable only on Placid Operated Wells.

East 1/4 cor of Sec 24, T39S, R25E,  
S.L.M., San Juan County, Utah

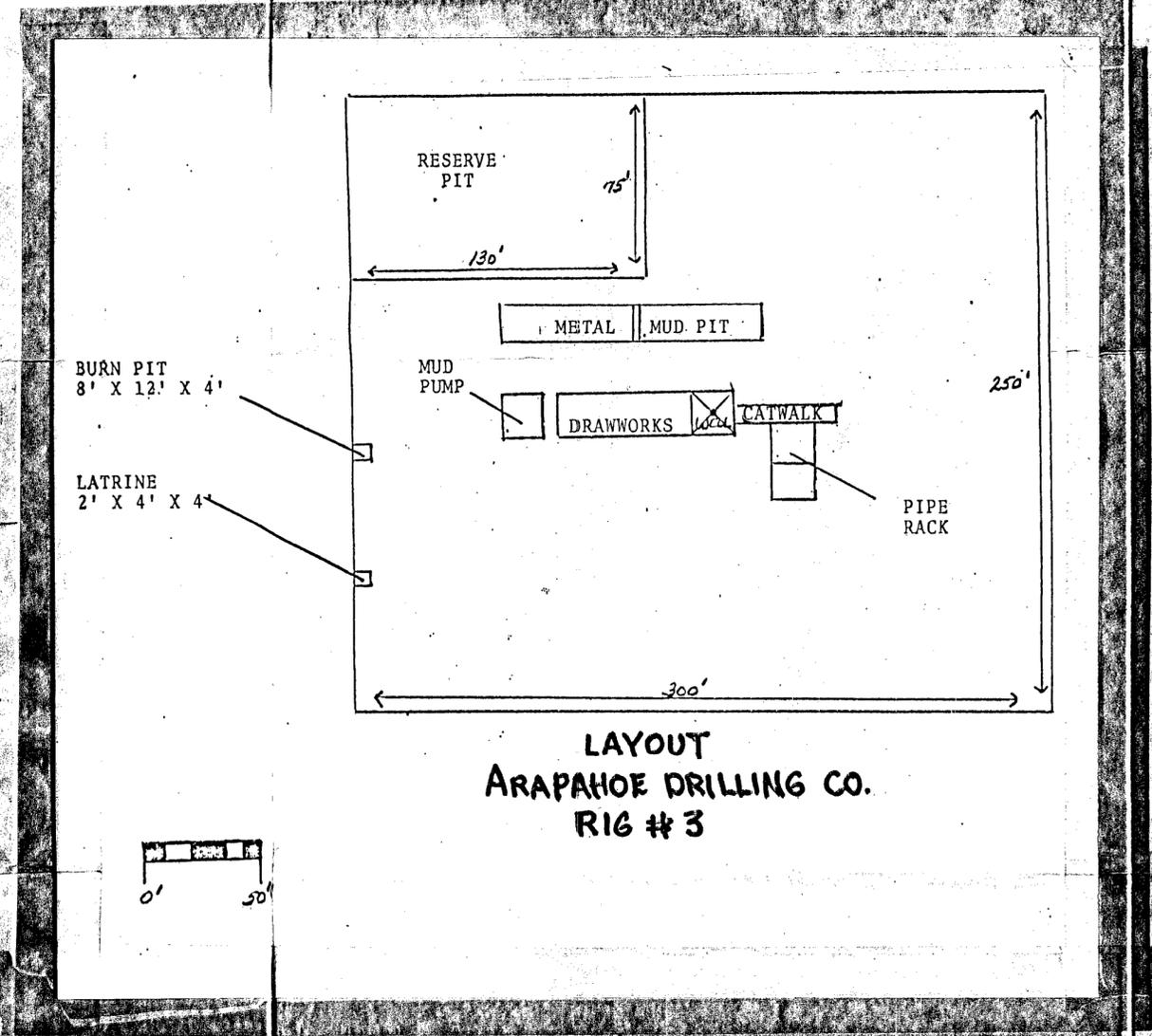


TOPO of PAD  
1"=50'



Crosssection of PAD  
1"=50'

SE. cor. SE 1/4 SE 1/4 of Sec 24, T39S,  
R25E, S.L.M., San Juan County, Utah



LAYOUT  
ARAPAHOE DRILLING CO.  
RIG # 3

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief

*James P. Leese*  
JAMES P. LEESE  
Professional Engineer and Land Surveyor  
Utah Reg. No. 1972



PLACID OIL COMPANY  
U.S.A D-U N°5  
Located 2108' From South Line and 1909' From East Line. Section 24, T39S, R25E, S.L.M., San Juan County, UTAH  
Scale: 1"=50' Date: 2 Nov. '76  
San Juan Engineering Company  
Farmington, New Mexico

June 3, 1977

Skyline Oil Company  
418 Atlas Building  
Salt Lake City, Utah 84101

Re: Placid Oil Company  
USA #DU-5  
NW $\frac{1}{4}$  SE $\frac{1}{4}$  Sec 24-T39S-R25E  
San Juan County, Utah

Gentlemen:

Attached is the following relative to the above captioned well:

1. Notice of Intention to Abandon
2. Subsequent Report of Abandonment
3. Well Completion Report
4. Completion Report with sample Descriptions

Yours very truly,  
PLACID OIL COMPANY

Doug Sprinkel

DS/lb

Attachments

C  
O  
P  
Y

C  
O  
P  
Y

June 3, 1977

State of Utah  
Oil & Gas Commission  
1588 West North Temple  
Salt Lake City, Utah 84116

Re: Placid Oil Company  
USA #DU-5  
NW $\frac{1}{4}$  SE $\frac{1}{4}$  Sec. 24-T39S-R25E  
San Juan County, Utah

Dear Sirs:

Attached is the following relative to the above captioned well:

1. Notice of Intention to Abandon
2. Subsequent Report of Abandonment
3. Well Completion Report
4. Report of Water Encountered During Drilling (quadruplicate)

Yours very truly,  
PLACID OIL COMPANY

Doug Sprinkel

DS/lb

Attachments

June 3, 1977

**Mr. Jerry W. Long  
United States Geological Survey  
Box 1908  
Durango, Colorado 81301**

**Re: Placid Oil Company  
USA #DU-5  
NW $\frac{1}{4}$  SE $\frac{1}{4}$  Sec. 24-39S-25E  
San Juan County, Utah**

**Dear Mr. Long:**

**Attached is the following relative to the above captioned well:**

- 1. Notice of Intention to Abandon (quadruplicate)**
- 2. Subsequent Report of Abandonment (quadruplicate)**
- 3. Well Completion Report (triplicate)**

**Yours very truly,  
PLACID OIL COMPANY**

**Doug Sprinkel**

**DS/lb**

**Attachments**

C  
O  
P  
Y

June 3, 1977

Getty Oil Company  
1088 Lincoln Tower Building  
1860 Lincoln Street  
Denver, Colorado 80295

Attention: Mr. Don DeMarte

Re: Placid Oil Company  
USA #DU-5  
NW SE Sec. 24-T39S-R25E  
San Juan County, Utah

Gentlemen:

Attached is the following relative to the above captioned well:

1. Notice of Intention to Abandon
2. Subsequent Report of Abandonment
3. Well Completion Report
4. Completion Report with Sample Descriptions

Yours very truly,  
PLACID OIL COMPANY

Doug Sprinkel

DS/lb

Attachments

C  
O  
P  
Y

Denver, CO

June 3, 1977

MEMO TO: Mr. Bill Biskamp  
Dallas Office

Re: Placid Oil Company  
USA #DU-5  
NW SE Sec. 24-T39S-R25E  
San Juan County, Utah

Attached is the following relative to the above captioned well:

1. Notice of Intention to Abandon
2. Subsequent Report of Abandonment
3. Well Completion Report
4. Report of Water Encountered During Drilling
5. Completion Report with Sample Descriptions

E-Logs with marked tops are following.

---

Doug Sprinkel

DS/lb

Attachments

C  
O  
P  
Y

Denver, CO

June 3, 1977

MEMO TO: Mr. Earl Peavy  
Goodpine Office

Re: Placid Oil Company  
USA #DU-5  
NW SE Sec. 24-T39S-R25E  
San Juan County, Utah

Attached is the following relative to the above captioned well:

1. Notice of Intention to Abandon
2. Subsequent Report of Abandonment
3. Well Completion Report
4. Completion Report with Sample Descriptions

E-Logs with marked tops are following.

---

Doug Sprinkel

DS/lb

Attachments

C  
O  
P  
Y

WELL  
FILE

AMERICAN STRATIGRAPHIC COMPANY  
SAMPLE RECEIVING RECORD

No. \_\_\_\_\_ DATE 6-6-77

FROM: \_\_\_\_\_  
COMPANY Placid Oil Company

ADDRESS 2021 First National Bank Bldg. Denver

CARRIER Doug A. Sprinkel

INVOICE NO. \_\_\_\_\_

SAMPLES ON:	<u>Placid Oil Company (OP)</u>		
OPERATOR	<u>Apache Drilling Company (Contr)</u>		
WELL & NO.	<u>USA</u>	<u>00-5</u>	
LOCATION	<u>NW SE</u>	SEC. <u>24</u>	TWP. <u>39S</u> RGE. <u>25E</u>
CO. & STATE	<u>San Juan Co., UTAH</u>		
DEPTH	<u>400</u>	TO <u>6195</u>	BAGS _____

REMARKS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

REC. BY \_\_\_\_\_ CHECK BY \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO. USA U-6834
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME USA U-6834
9. WELL NO. USA DU-5
10. FIELD AND POOL, OR WILDCAT Wildcat
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 24-39S-25E
12. COUNTY OR PARISH San Juan
13. STATE Utah

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. OIL WELL  GAS WELL  OTHER  Dry Hole

2. NAME OF OPERATOR  
Placid Oil Company

3. ADDRESS OF OPERATOR  
2021 First National Bank Bldg. Denver, Colorado 80293

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface  
1909' FEL, 2108' FSL, Sec. 24-39S-25E

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5287' GL; 5300' KB

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) <input type="checkbox"/>	

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

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

Cement plugs were set 5/30/77 as follows:

- |           |      |         |                                    |
|-----------|------|---------|------------------------------------|
| 6170-5970 | w/60 | sx reg. | Covers Desert Creek                |
| 5900-5750 | w/45 | sx reg. | Covers Ismay                       |
| 4930-4780 | w/45 | sx reg. | Top/Hermosa                        |
| 2025-1875 | w/45 | sx reg. | Top/Chinle - Base/Wingate          |
| 1160-1010 | w/45 | sx reg. | Top/Navajo                         |
| 375-275   | w/30 | sx reg. | Surface casing; Half in - Half out |
| Surface   | w/30 | sx reg. |                                    |

A dry hole marker was set according to regulations.

RECEIVED  
JUN 6 1977  
GEOLOGICAL SURVEY

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

SIGNED Doug Sprinkel TITLE Geologist DATE June 2, 1977

(This space for Federal or State office use)

APPROVED BY  
OCT 19 1977  
E. A. Schmidt  
E. A. SCHMIDT  
ACTING DISTRICT ENGINEER

TITLE \_\_\_\_\_ DATE \_\_\_\_\_

Oper

\*See Instructions on Reverse Side

1-Dallas  
1-well file  
1-skyline  
1-Getty

Form 9-331  
(May 1963)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE\*  
(Other instructions on re-verse side)

Form approved.  
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. <b>Dry Hole</b> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. USA U-6834
2. NAME OF OPERATOR Placid Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 2021 First National Bk Bldg. Denver, Colorado 80293		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  1909' FEL, 2108' FSL, Sec. 24-39S-25E		8. FARM OR LEASE NAME USA U-6834
14. PERMIT NO.		9. WELL NO. USA DU-5
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 5287' GL; 5300 KB		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 24-39S-25E
		12. COUNTY OR PARISH 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 ACIDIZING <input type="checkbox"/>	ABANDON* <input checked="" 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"/>	

(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.)\*

Verbal approval was received 5/29/77 from the USGS, Durango, to plug as follows:

- |           |      |         |                                    |
|-----------|------|---------|------------------------------------|
| 6170-5970 | w/60 | sx reg. | Covers Desert Creek                |
| 5900-5750 | w/45 | sx reg. | Covers Ismay                       |
| 4930-4780 | w/45 | sx reg. | Top/Hermosa                        |
| 2025-1875 | w/45 | sx reg. | Top/Chinle - Base/Winegate         |
| 1160-1010 | w/45 | sx reg. | Top/Navajo                         |
| 375-275   | w/30 | sx reg. | Surface casing; Half in - Half out |
| Surface   | w/30 | sx reg. |                                    |

A dry hole marker will be set and location rehabilitation undertaken according to BLM requirements.

RECEIVED  
JUN 6 1977  
U. S. GEOLOGICAL SURVEY

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

SIGNED Doug Sprinkel TITLE Geologist DATE June 2, 1977

(This space for Federal or State office use)

APPROVED BY  
E. A. SCHMIDT  
ACTING DISTRICT ENGINEER  
JUL 7 1977

TITLE Oper DATE \_\_\_\_\_  
\*See Instructions on Reverse Side



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

a. TYPE OF WORK  
 DRILL  DEEPEN  PLUG BACK

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

2. NAME OF OPERATOR  
**Placid Oil Company**

3. ADDRESS OF OPERATOR  
**2021 First National Bank Bldg. Denver, Colorado 80293**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface  
**2108' FSL, 1909' FEL Sec. 24-T39S-R25E**  
 At proposed prod. zone  
**Same as surface location**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
**Approximately 6 road miles east of Hatch Trading Post, Utah**

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
**731' E of USA U-6557 lease line**

16. NO. OF ACRES IN LEASE  
**1120.0 acres**

17. NO. OF ACRES ASSIGNED TO THIS WELL  
**80**

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
**No wells have been drilled on this lease.**

19. PROPOSED DEPTH  
**6300'**

20. ROTARY OR CABLE TOOLS  
**Rotary**

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**5287.0 Ground (ungraded)**

22. APPROX. DATE WORK WILL START\*  
**May 1, 1977**

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13-3/8"	54.50#	300'	275 sx regular 2% cc
7 7/8"	5 1/2"	15.5 #	6300'	175 sx reg 2% cc

If deeper water flows are encountered, 9-5/8" casing can be set to a depth sufficient to case them off.

In the event of a dry hole, this well will be plugged and abandoned according to state and federal requirements.

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 Doug A. Sprinkel TITLE Geologist DATE March 18, 1977  
 (This space for Federal or State office use)

PERMIT NO. **APPROVED** APPROVAL DATE \_\_\_\_\_

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

CONDITIONS OF APPROVAL **JUN 23 1977**  
Carl A. Barrick  
**CARL A. BARRICK**  
 ACTING DISTRICT ENGINEER

\*See Instructions On Reverse Side

41-5/77

①

COMPANY PLACID OIL COMPANY

LEASE U.S.A. D U WELL NO. 5

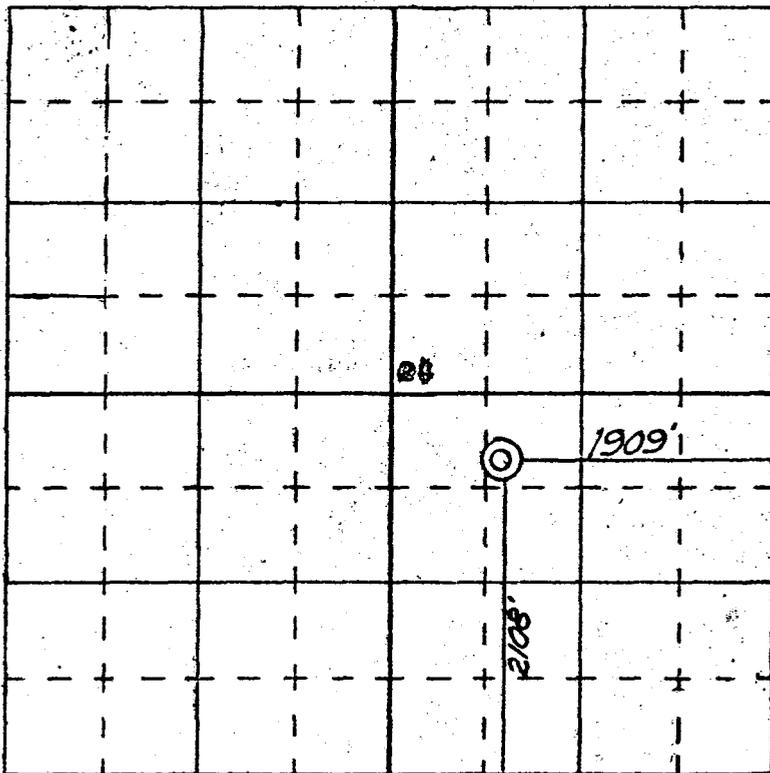
SEC. 24 T. 39 S R. 25 E, S.L.M.

LOCATION 2108 FEET FROM THE SOUTH LINE and  
1909 FEET FROM THE EAST LINE.

ELEVATION 5287 UNGRADED GROUND

SAN JUAN COUNTY

UTAH



SCALE—4 INCHES EQUALS 1 MILE

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

SEAL:

*James P. Lane*  
Registered Land Surveyor  
Utah Reg. # 1472

SURVEYED 2 November 1976

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.



2

CONTRACT AGREEMENT

THIS AGREEMENT is made this 21st day of March 19 77, by and between Placid Oil Company, 1600 First National Bank Building, Dallas, Texas, hereinafter called "Placid", and Araphoe Drilling Company Post Office Box 26687, Albuquerque, New Mexico 87125 hereinafter called "Contractor", in consideration of the mutual promises hereinafter made and the mutual obligations herein undertaken.

1. This agreement is made subject and pursuant to a Master Drilling Contract between Placid and Contractor dated the 21st day of March 19 77, all the terms and conditions of which are incorporated herein and made a part hereof, the same as though set out herein at length.

2. Contractor agrees to drill for Placid a well for the production of oil or gas as follows:

Well Name and Number Placid U.S.A. DU #5

Well Location and Description NW/4, SE/4, Section 24, Township 39 South

Range 25 East, San Juan County, Utah

Drilling operations will commence on or before April 15, 1977 or <sup>3</sup>availability of rig. The well will be drilled to a maximum depth of 6250 feet. Deviation from vertical shall not exceed 8 degrees from 0 feet to 6250 feet, and XXX degrees from XXX feet to XXX feet.

\* 4. A mud weight of N/A pounds per gallon will be considered to constitute existence of abnormal pressure as referred to in Paragraph 15a of the Master Drilling Contract. Further, if it becomes necessary to suddenly raise the mud weight more than one-half (1/2) pound per gallon above the weight currently being used, and in the event that it is necessary to discontinue drilling operations in order to do so, this will also constitute abnormal pressure as referred to in Paragraph 152 of the Master Drilling Contract, and drilling operations will proceed on day work basis after a minimum time of four (4) hours (in each instance has elapsed, until the mud system has stabilized at a mud weight less than N/A pounds per gallon.

5. The following casing will be set for Placid by Contractor as indicated below:

	Approx. Size	Approx. Footage	Cement Setting Time	At the Expense of
Conductor				
Surface	<u>13-3/8"</u>	<u>350</u>	<u>12 hours</u>	<u>Contractor</u>
Protection				
Production	<u>5-1/2"</u>	<u>6250</u>		<u>Placid</u>
Liner				

\* In the even of lost circulation a twelve hour cumulative lost circulation clause will prevail.

6. Contractor will furnish one string of drill pipe, drill collars, kelly, and kelly saver sub. In the event a smaller string of drill pipe and drill collars is required, Placid agrees to pay transportation and rental on the smaller string of drill pipe, drill collars, kelly, and kelly saver sub, plus any equipment rentals occasioned by the use of the smaller string. During the time the smaller string is in service, Contractor shall be paid applicable day rates without drill pipe.

7. Unless specified elsewhere in this Contract Agreement, Contractor will furnish 12" Series 900 and 10" Series 900 or Series 1500 Blowout preventors, whichever is applicable, with necessary spools, adapters and acceptable choke manifold, all ram changes for 10" blowout preventors, inside blowout preventors for all drill pipe furnished by Contractor, and blowout preventor testers and all test plugs. If Contractor elects to drive conductor instead of drilling and cementing same, all required driving tools shall be furnished by Contractor at Contractor's expense.

8. Contractor shall be paid Fifteen Dollars and Twenty-five cents (\$ 15.25) Dollars per lineal foot to Contract Footage Depth of 6250 feet and xxx to xxx. Day rates will be as follows:

Depth		Per 24 Hour Day	
From	To	With Drill Pipe	Without Drill Pipe
		2800	2800
Standby rates per 24 hour day:			
With crews <u>N/A</u>		Without crews	<u>N/A</u>

The depth at which work is being performed will govern the day rate to apply. Drill pipe will be considered in use while being picked up or laid down or in actual use.

9. Contractor agrees to furnish and use modern drilling equipment of suitable design and size.

10. The following services and equipment will be furnished by and at the expense of the party indicated below:

	At Expense of	
	Owner	Contractor
	(Indicate by "X" Mark)	
A. Rig moving costs		X
B. Rig matting		X
C. Cellar and necessary slush pit	X	
D. Fuel		X
E. Fuel lines		X
F. Water	X	
G. Mud pits	X	
H. Totco straight hole testing device		X

I. Rumba Shale Shaker, or equal	_____	X
J. Bits while on footage rates	_____	X
K. Bits while on day work rates	X	_____
L. Crew boats and marine transportation	NOT APPLICABLE	_____
M. Power casing tongs	X	_____
N. Power tubing tongs	X	_____
O. Tubing handling tools	X	_____
P. Special size blowout equipment (Except test plug)	X	_____
Q. Geolograph	_____	X
R. Desander	NOT APPLICABLE	_____
S. Degasser	NOT APPLICABLE	_____
T. Mud Centrifuge	NOT APPLICABLE	_____
U. Reserve Pits	X	_____
V.		
W.		
X.		
Y.		
Z.		

11. Special provisions not covered above or in Master Drilling Contract:

The above provisions agreed upon and accepted March 21,  
19 77.

WITNESSES:

*[Signature]*  
*[Signature]*  
\_\_\_\_\_  
\_\_\_\_\_

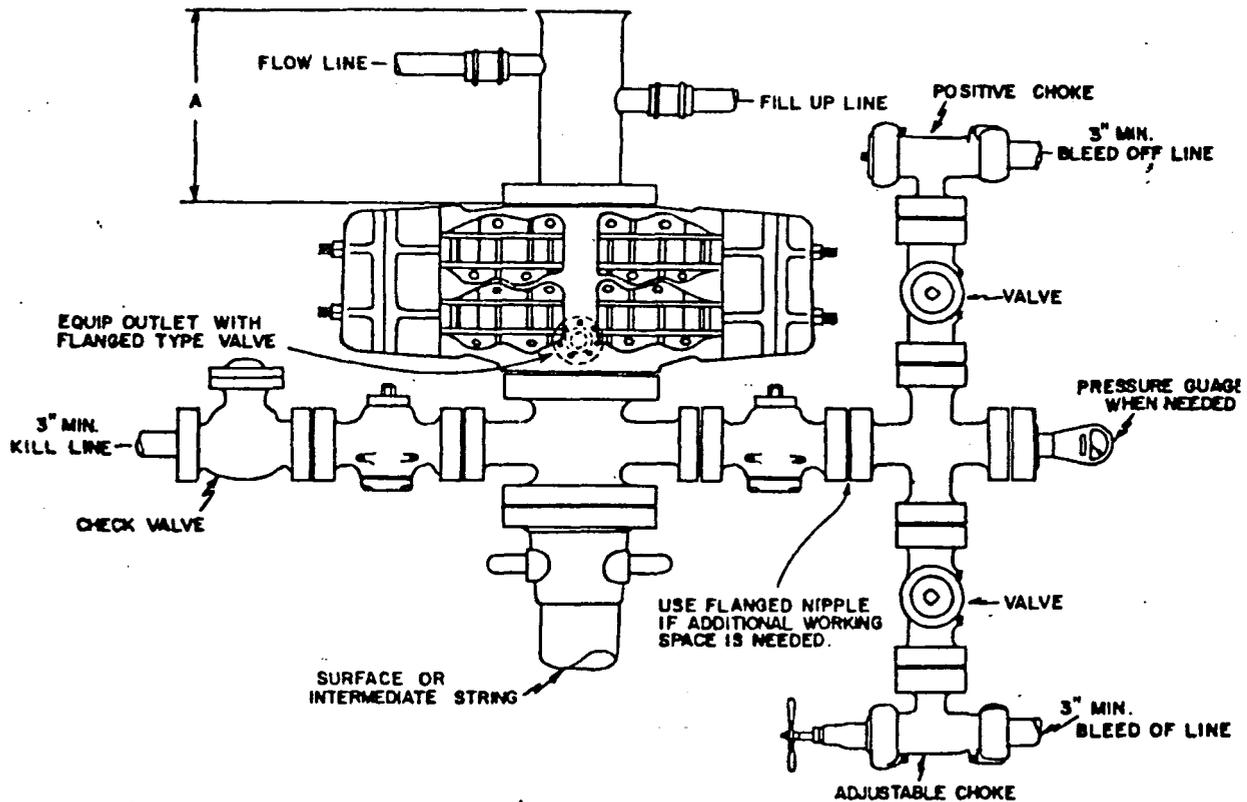
PLACID OIL COMPANY

BY: *[Signature]*  
C. D. Brown, President

BY: \_\_\_\_\_

Minimum equipment requirements are:

1. Blowout preventers must be capable of being operated both mechanically and hydraulically. Controls must be located so that the blowout preventer can be operated outside the drilling rig substructure. All steel tubing and connections must be used between the hydraulic controls and the blowout preventer.
2. Pressure rating of the blowout preventer and associated connections must be proportional to depth and pressure expectations. Use Figure 1 as a guide in unknown areas.
3. Distance "A" must be sufficient to accommodate a Hydril preventer if required.
4. Chokes, valves, manifold piping and kill line must be flanged and designed equal to or above the pressure rating of the blowout preventer.
5. Kelly cock must be used at all times and should be checked daily.



NOTE: BLOWOUT PREVENTER MUST HAVE DOUBLE RAMS; ONE BLIND & ONE PIPE RAM OR THE EQUIPMENT MUST CONSIST OF TWO BLOWOUT PREVENTERS, ONE EQUIPPED WITH BLIND RAMS & THE OTHER WITH PIPE RAMS ALWAYS PLACE THE BLIND RAMS IN THE TOP PREVENTER.

## MULTI-POINT SURFACE USE AND OPERATIONS PLAN

1. Existing Roads - A USGS topo map on a scale of 1" = 1 mile and a multiple use map on a scale of 1/4" = 1 mile are enclosed showing all roads and trails to and in the vicinity of the proposed location which is approximately 6 road miles east of Hatch Trading Post, Utah, which is 21 miles east of the junction of US Highway 163 and State Highway 262.
2. Planned Access Roads - We plan to use all existing roads as shown on the enclosed topo map to put us within approximately 400 feet of the location. Surveyor who staked the location indicated that the road work necessary for the drilling of this well should be minimal.
3. Location of Existing Wells - There are no producing wells either on this lease or within 1 mile of the proposed location. There are 3 abandoned well locations within a two-mile radius of the location, one being approximately 1 1/4 miles north-east, one approximately 1 1/4 miles southwest and one approximately 1 1/2 miles north-west. Please refer to the enclosed topo map.
4. Location of Tank Batteries, Production Facilities, and Production, Gathering and Service Lines - There are no existing production facilities on this lease or within a one-mile radius of the location. In the event production is established at this location, temporary test tanks and flow lines will be erected on the existing drilling pad. Afterwards, a detailed plan for permanent production equipment installation and location will be submitted for approval. Please refer to the enclosed plat showing proposed temporary location of flow lines and tank batteries, etc.
5. Location and Type of Water Supply (Rivers, Creeks, Lakes, Ponds, and Wells) - We have not determined where the water supply to drill this well is or its accessibility to the location at this time. We anticipate locating a suitable water supply when a representative from our company meets with the USGS, BLM and other parties involved in this operation. As near as we can determine at this time, there are only intermittent streams near the location.
6. Source of Construction Materials - It is our intention to use the available materials which are on the surface for any road construction and repair and for the building of the drilling pad and pits.
7. Methods for Handling Waste Disposal - All waste and debris will be removed from the location upon completion of our drilling operations. All latrines, sumps and burn pits will be filled with dirt. In the event of a dry hole, the reserve pit and all ditches will be filled in and the location restored in accordance with the state and federal requirements.
8. Ancillary Facilities - Camps will consist of not more than three small house trailers which will be placed on the drilling pad. We do not intend to construct any airstrips during the operations under this application.
9. Well Site Layout - It is our intention to use Arapahoe Drilling Rig #3 to drill this well. Attached is a rig layout plan showing the drilling pad and location of all necessary facilities for the drilling of this well.
10. Plans for Restoration of the Surface - In the event of a dry hole, the surface will be restored to as near the original condition as is practical and in compliance with the rules of all regulatory agencies.
11. Other Information - Prior to the on-site inspection, we cannot determine actual soil characteristics, etc. but by reviewing the topo map, surveyor's plat and information, we are able to state that the location is easily accessible and located on almost level ground (see attached diagram showing elevation of the surface from the location in north, south, east and west directions). It is the intention of Placid Oil Company to have this well drilled in a safe and diligent manner and at the same time, to protect and preserve the natural environment with respect to all plant and animal life. We will obtain a competent archaeologist to meet with the parties involved for the inspection and approval of our plan of operations.

12. Lessee's or Operator's Representative - Mr. James Hein  
Placid Oil Company  
2021 First National Bank Building  
621 17th Street  
Denver, CO 80293  
303-892-6190

13. Certification - 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 Arapahoe Drilling Company Rig #3 and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

3-18-77  
Date

James Hein  
James Hein, Geologist

Arapaho Rig #3  
USA DU-5  
San Juan County, Utah

(1)

Daily Progress Report

LOCATION: 1909' FEL, 2108' FSL,  
Section 24, T39S, R25E, San Juan County,  
Utah.

Location work complete, should MI rig  
within next 2 days, will spud 17½" hole  
& drl to 325'.

5-7

5-7: TD 327' (327') sd, sh. MI & RU.  
Spud 12½" hole @ 12:45 AM, 5-6-77.  
Drl'd to 327'. POH. WIH w/17½" hole  
opener. Reamed to 215'. POH. WIH w/ne  
hole opener. Now reaming @ 230'.  
Totco: 327-1<sup>o</sup>. Bit #1, 12½" F-2, made  
327' in 20 hrs. Bit #2, 17½" hole opener  
Smith, made 215' in 3½ hrs. Bit #3,  
17½" hole opener Smith, made 15' in 1½  
hrs.

5-8

5-8: TD 327' (0') sd, sh. Fr wtr. Bit  
#4, 7-7/8" F2 has made 10' cmt in ¼ hr.  
Finished opening hole to 327'. Circ.  
POH. RU & ran 9 jts & 1 cut jt of  
13-3/8" OD 54.5 16#, K55, ST&C csg.  
Total footage 317'. Set @ 327'. Used  
5 centralizers. Used guide shoe. Circ.  
RU Howco. Cmt'd w/375 sx class "G" cmt  
+ 2% CaCl + 0.25#/sx Flocele. Had good  
cmt returns. WOC 8 hrs. Cut off 13-3/8  
csg. NU OCT type 22 12" series 900 CHH.  
Tstd same to 1000 psi. NU 10" series  
900 Shaffer blind rams & pipe rams.  
Tstd BOPs to 1000 psi. Tstd csg to  
1000 psi for ¼ hr. Now drlg cmt.

5-9

5-9: TD 1285' (Ø58') sd, sh. Mud 9, visc  
32. Bit #4, 7-7/8" F2, has made 957' in  
23½ hrs. Now drlg ahead.

5-10

TD 2010' (725') sd, sh, li. Mud 9, visc 32.  
Bit #4, 7-7/8" F2, has made 1682' in  
46½ hrs. Drlg ahead. Surveys:  
1332-½<sup>o</sup>; 1864-½<sup>o</sup>.

5-11

TD 2413' (403') sd, sh. Mud 9, visc 32.  
Bit #4, 7-7/8" F2, has made 2085' in  
69 3/4 hrs. Now drlg ahead. Survey:  
2327-1<sup>o</sup>.

USA DU-5

(2)

Daily Progress Report

5-12

TD 2859' (446') sd,sh. Mud 9, visc 35. Bit #4, 7-7/8" F2, has made 2531' in 92½ hrs. Now drlg ahead.

5-13

TD 3204' (345') sd,sh. Mud 9.9, visc 39, WL 9.5. Bit #4, 7-7/8" F2, has made 2877' in 114 hrs. Drlg @ 10' per hr.

5-14

5-14: TD 3445' (241') Mud 10, visc 39, WL 8, C 2/32, Chlo 300. Bit #4, 7-7/8" F2, has made 3120' in 153 hrs. Now drlg ahead.

5-15

5-15: TD 3625' (180') sd,sh. Mud 10, visc 40, WL 6.4. Bit #4 has made 3300' in 156 hrs.

5-16

5-16: TD 3840' (215') sd,sh. Mud 10, visc 40, WL 8, PH 11.5. Bit #5, 7-7/8" F3, has made 215' in 20½ hrs. Now drlg ahead. Survey: 3625-¼°.

5-17

TD 4050' (210') sd,sh. Mud 10.2, visc 40, WL 8.5, PH 11, YP 8, Chlo 5000. Bit #5, 7-7/8" F3, has made 425' in 42½ hrs. Drld to 4050. Increased mud wt to 10.2 to counter chlo increase. Now drlg ahead.

5-18

TD 4300' (250') sh, sd. Mud 10.2, visc 42, WL 8, PV 17, YP 6, PH 11.5, Chlo 4000, solids 13%. Bit #5, 7-7/8" F3, has made 675' in 64 ¾ hrs. Now drlg ahead. Survey: 4173-3/4°.

5-19

TD 4510' (21') sd,sh. Mud 10.2, visc 42, WL 8, PH 11.5, Chlo 3000. Bit #5, 7-7/8" F3, has made 885' in 88½ hrs. Now drlg ahead.

5-20

TD 4715' (205') sd,sh,li. Mud 10.2, visc 40, WL 8, PH 11.5, YP 6, Chlo 3200. Bit #5, 7-7/8" F3, has made 1090' in 112½ hrs.

USA DU-5

(3)

Daily Progress Report

5-21

5-21 TD 4893' (178') sand, lime, shale  
Mud 10.2, visc 42, WL 7.2, PH 11.5,  
YP 6, CL 3000. Drilling to 4893'.  
Bit #5, 7-7/8" F-3, has made 1268'  
in 136 hours. Now Drilling ahead at  
6-7' PH ROP.

5-22

5-22 TD 5033' (140') shale, lime. Mud  
10.2, visc 41, WL 7.0, PH 11.5, YP 6.0  
Cl 2200. Drilled to 5015'. Rap survey  
POH for new bit. Ran Bit #6 in hole. Drilled to 5033'. Survey 5015' - 1/2.  
Bit #5, 7-7/8" F-3, made 1390' in 152 hours. Bit #6, 7-7/8" F-3, has made 18' in  
3 hours. Now drilling ahead at 8 FPH ROP.

5-23

5-23 TD 5196' (163') lime shale.  
Mud 10.1, visc 41, WL 6.8, PH 11.5,  
YP 6.0, Cl 2100. Drilled to 5196'.  
Bit #6, 7-7/8" F-3, has made 181' in  
26-3/4 hours. Now drilling ahead at  
7 FPH ROP.

5-24

TD 5376' (180') shale, lime. Mud 10.2,  
visc 42, WL 8.0, PH 11.5, YP 6.0, Cl  
2100. Drilled to 5376'. Bit #6, 7-7/8"  
F3 has made 361' in 50 1/2 hours. Now  
drilling ahead.

5-25

TD 5533' (157') shale, lime. Mud 10.2,  
visc 40, WL 7.0, PH 11.5, YP 6.0, CL 2000  
1 1/2 hrs rig repairs. Drilled to 5533'.  
Bit #6, 7-7/8" F3, has made 518' in 73 hrs  
Now drilling ahead.

5-26

TD 5700' (167') lime, shale. Mud 10.1, visc  
41, WL 6.8, PH 11.5, YP 6.0, CL 2000  
Drilled to 5700'. Projected top of  
ISMAY at 5770' MD. Geologist on location.  
Bit #6, 7-7/8" F3, has made 685' in 96-  
3/4 hours. Now drilling ahead at 8 FPH.

5-27

TD 5860' (160') shale, lime. Mud 10.3,  
visc 41, WL 7.8, PH 11.5, YP 6, Cl 3500  
Drilling to 5860'. Had slite increase  
in PPM CL 2200-3500. Increase mud weight  
from 10.2 to 10.3# ppg. Now in Ismay.  
geologist on location. DST tools on well  
call. Bit #6, 7-7/8" F3, has made 845'  
in 120 1/2 hours. Now drilling ahead.

5-28

5-28: TD 6030' (170') li, sh. Mud 10.4, visc 42, WL 8.5, PH 11.5, YP 10, Chlo 3500. Bit #6, 7-7/8" F3, has made 1015' in 143 1/2 hrs. Drld to 6030'. Increased mud to 10.4 ppg to hold chlo steady. Treated out anhy. Now in Desert Creek.

5-29

5-29: TD 6195' (165') sd, sh, li. Mud 10.3, visc 53, WL 8.6, PH 11, Chlo 13,500. Bit #6 has made 1180' in 158 3/4 hrs. Now POH to log.

5-30

5-30: TD 6195' (0') Mud 10.3, visc 53, WL 8.6, PH 11.5, Chlo 13,500. POH to log, RU SCHL, ran DIL-GR log, ran CNL-Dens-GR log. Possible two shows (very poor) in Desert Creek lime in 6100' vicinity (upper 4' of 10% porosity, lower 4' of 14% porosity). Desert Creek low structurally. WOO. Received orders to P & A well. TIH open ended, POH, LD DP, set plugs as follows: #1 6170-5970' (200') w/60 sx; #2 5900-5750 (150') w/45 sx; #3 4930-4780' (150') w/45 sx; #4 2025-1875 (150') w/45 sx; #5 1160-1010' (150') w/45 sx; #6 375-275' (100') w/30 sx; #7 30-0' (30') w/10 sx. Now RD & preparing to release rig.

5-31

5-31: PBTD surface. Finished P & A well w/cmt plug @ 0-30'. ND BOP, removed wellhead. Released rig 12:00 hrs 5-30-77  
FINAL REPORT: P & A.



FILE IN QUADRUPLICATE

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL & GAS CONSERVATION  
1588 West North Temple  
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number USA DU-5

Operator Placid Oil Company Address 2021 1st Nat'l Bldg. Denver, Colo. 80293 Phone 892-6190

Contractor Aranahoe Drilling Company Address Farmington, New Mexico Phone \_\_\_\_\_

Location NW 1/2 SE 1/2 Sec. 24 T. 39 N. R. 25 (E) San Juan County, Utah  
(S) W

Water Sands:

	<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
	From	To	Flow Rate or Head	Fresh or Salty
1.	660	720	No flows encountered, no rates taken	no samples
2.	900	1020		
3.	1112	1500		
4.	1520	1570		
5.	1605	1780		

(Continue on reverse side if necessary)

Formation Tops: Bluff 660, Entrada 810, Navajo 1112, Kayenta 1509, Wingate 1606  
Cutler 2889, Harnosa 4830, Ismay 5833, Desert Creek 6022, Salt 6148

Remarks:

- NOTE:
- (a) Upon diminishing supply forms, please inform this office.
  - (b) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure, (See Back of form).
  - (c) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

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

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

Form approved.  
Budget Bureau No. 42-R1

**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.)

<b>1. OIL WELL</b> <input type="checkbox"/> <b>GAS WELL</b> <input type="checkbox"/> <b>OTHER</b> <input checked="" type="checkbox"/> <b>Dry Hole</b>		<b>5. LEASE DESIGNATION AND SERIAL NO.</b> USA U-6834																										
<b>2. NAME OF OPERATOR</b> Placid Oil Company		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</b>																										
<b>3. ADDRESS OF OPERATOR</b> 2021 First National Bk Bldg. Denver, Colorado 80293		<b>7. UNIT AGREEMENT NAME</b>																										
<b>4. LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface  1909' FEL, 2108' FSL, Sec. 24-39S-25E		<b>8. FARM OR LEASE NAME</b> USA U-6834																										
<b>14. PERMIT NO.</b>		<b>9. WELL NO.</b> USA DU-5																										
<b>15. ELEVATIONS</b> (Show whether DF, RT, GR, etc.) 5287' GL; 5300 KB		<b>10. FIELD AND POOL, OR WILDCAT</b> Wildcat																										
<b>16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		<b>11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA</b> Sec. 24-39S-25E																										
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		<b>13. STATE</b> Utah																										

**17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS** (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting 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.)\*

Verbal approval was received 5/29/77 from the USGS, Durango, to plug as follows:

6170-5970 w/60 sx reg.	Covers Desert Creek
5900-5750 w/45 sx reg.	Covers Ismay
4930-4780 w/45 sx reg.	Top/Hermosa
2025-1875 w/45 sx reg.	Top/Chinle - Base/Winegate
1160-1010 w/45 sx reg.	Top/Navajo
375-275 w/30 sx reg.	Surface casing; Half in - Half out
Surface w/30 sx reg.	

A dry hole marker will be set and location rehabilitation undertaken according to BLM requirements.

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

SIGNED Doug Sprinkle TITLE Geologist DATE June 2, 1977

(This space for Federal or State office use)

APPROVED BY  
CONDITION OF APPROVAL, IF ANY:  
**APPROVED**  
JUL 7 1977  
E. A. Schmidt  
E. A. SCHMIDT  
ACTING DISTRICT ENGINEER

\*See Instructions on Reverse Side

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

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

Form approved.  
Budget Bureau No. 42-R1424.

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> <small>(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.)</small>		5. LEASE DESIGNATION AND SERIAL NO. <b>USA U-6834</b>
1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <b>Dry Hole</b>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR <b>Placid Oil Company</b>		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR <b>2021 First National Bank Bldg. Denver, Colorado 80293</b>		8. FARM OR LEASE NAME <b>USA U-6834</b>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface  <b>1909' FEL, 2108' FSL, Sec. 24-39S-25E</b>		9. WELL NO. <b>USA DU-5</b>
14. PERMIT NO.		10. FIELD AND POOL, OR WILDCAT <b>Wildcat</b>
15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5287' GL; 5300' KB</b>		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>Sec. 24-39S-25E</b>
		12. COUNTY OR PARISH    18. STATE <b>San Juan                      Utah</b>

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

Cement plugs were set 5/30/77 as follows:

- |           |              |                                    |
|-----------|--------------|------------------------------------|
| 6170-5970 | w/60 sx reg. | Covers Desert Creek                |
| 5900-5750 | w/45 sx reg. | Covers Ismay                       |
| 4930-4780 | w/45 sx reg. | Top/Hermosa                        |
| 2025-1875 | w/45 sx reg. | Top/Chinle - Base/Wingate          |
| 1160-1010 | w/45 sx reg. | Top/Navajo                         |
| 375-275   | w/30 sx reg. | Surface casing; Half in - Half out |
| Surface   | w/30 sx reg. |                                    |

A dry hole marker was set according to regulations.

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

SIGNED Doug Sprinkel TITLE Geologist DATE June 2, 1977

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

Completion Report

Placid Oil Company  
USA #DU-5  
NW SE Sec. 24-39S-25E  
San Juan County, Utah

Contractor: Arapahoe Drilling Company - Rig #6

Tool Pusher: Roy Shepard

Spud: 5/6/77 at 12:45 a.m.

Casing: Set 13-3/8" surface casing at 327' with 375 sx of class B  
cmt, 2% CaCl

DST: No test run

Cores: No cores cut

Sample Descriptions: Attached

E-Logs: Ran dual laterolog (6189-400) and formation density/CNL  
combination (6200-4680, 1330-800)

TD: Drillers 6195 - Logger 6207

Elevation: 5287' GL - 5300' KB

<u>Log Tops:</u>	Jurassic - Bluff	660 (+4640)
	Summerville	723 (+4577)
	Entrada	810 (+4490)
	Carmel	1071 (+4229)
	Navajo	1112 (+4188)
	Triassic - Kayenta	1509 (+3791)
	Wingate	1606 (+3694)
	Chinle	1901 (+3399)
	Shinarump	2772 (+2528)
	Moenkopi	2840 (+2460)
	Permian - Cutler	2889 (+2411)
	Penns. - Hermosa	4830 (+470)
	Isma	5833 (-533)
	Desert Creek	6022 (-722)
	Paradox Salt	6148 (-848)

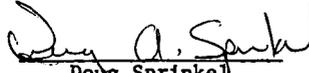
Plugs: 6170-5970 w/60 sx  
5900-5750 w/45 sx  
4930-4780 w/45 sx  
2025-1875 w/45 sx  
1160-1010 w/45 sx  
375-275 w/30 sx  
surface w/30 sx

Well plugged and abandoned 5/30/77.

Conclusions: The original objective of this well was to test porosity development within carbonate facies of the Desert Creek and Isma zones. Carbonate porosity would represent algal mound development along the shelf margins of the evaporitic basin during the deposition of the Desert Creek and Isma cycles. It was hoped that porosity would be developed and be structurally high on an indicated nose.

Structurally, our well ran approximately 11' high to prognosis. However, our well ran low to our structure map, which has shifted the indicated nose to the west and it appears that structural closure would not be present. Although we were in carbonate facies, no algal development was present in the Isma and only a 2' zone was present in the Desert Creek. Thus, we did not encounter porosity in the Isma zone and only 2' of porosity in the Desert Creek zone. Only very minor oil shows were present in both the Isma and Desert Creek zones. Very minor oil shows were also encountered in the Entrada and Navajo sands. However, these zones calculated out to be wet and may have been the result of contamination.

Recommendations: I feel that this well has sufficiently tested this prospect and that the Ismay and Desert Creek porosity zones are too thin and too erratic to pursue any further. I recommend that the acreage be dropped as rentals become due.

  
Doug Sprinkel

400-430 ss, ltgy-wht, f-mg w/sm cly infill, sli calc, tr min fl  
430-460 aa  
460-490 aa  
490-520 aa w/incrensng amnt ss, brn; fg; calc, friable; tr pyrite  
520-550 aa  
550-580 ss, ltgy-lt brn, fg, friable, sli calc;  
580-610 ss, aa  
610-640 ss, aa  
640-670 ss, aa  
670-700 ss, aa; clystn, grn, sft.  
700-730 ss, aa, grdng into sltstn, brn, fm  
730-760 sltstn, brn-brnshrd, fm  
760-790 aa  
790-820 aa  
820-850 aa  
850-880 sltstn, aa; sm clystn, wht, sft  
880-910 sltstn, aa w/incrensng amt of ss, brn, mg-fg; sm cly infill, sli calc  
910-940 sltstn-ss, aa  
940-970 ss, aa w/ vspty fl, v sli cut  
970-1000 ss, aa, vspty fl, vwk strm cut  
1000-1030 ss, aa, n pl  
1030-1060 no sample  
1060-1090 sltstn, aa w/sh, brn gy, fm, blk  
1090-1120 sltstn-ss, aa  
1120-1150 aa w/sm sh, aa  
1150-1180 aa  
1180-1210 ss, ltbrn, f-mg, sm cly infill, sli calc, vspty, fl, vwk cut  
1210-1240 ss, aa, vspty fl, vwk cut  
1240-1270 ss, aa w/incrensng amnt of cly infilling  
1270-1300 sltstn, brn, fm; tr calcite, wht  
1300-1330 aa  
1330-1360 aa, w/ lrge amnt calcite, wht  
1360-1390 sltstn, aa  
1390-1420 aa  
1420-1450 aa  
1450-1480 aa  
1480-1510 aa  
1510-1540 aa  
1540-1570 aa w/incrensng amnt ss, lt brn-brn, vfg, cli calc, n fl.  
1570-1600 ss, brn-rd brn, fg, fl, sli calc  
1600-1630 ss, aa w/incrensng in cly infill  
1630-1660 ss, aa w/sh, rdshbrn, slty, blk  
1660-1690 aa  
1690-1720 ss, aa w/sm sh, aa  
1720-1750 aa  
1750-1780 sh, aa w/ss, aa  
1780-1810 slty ss, aa w/sm sh, aa  
1810-1840 aa  
1840-1870 aa  
1870-1900 aa w/incrensng sh, aa  
1900-1930 aa  
1930-1960 sh, brn-rdbrn, sft, slty, blk  
1960-1990 sh, aa, w/sm clystn, mgy  
1990-2020 aa w/sm sltstn, aa  
2020-2050 sltstn, aa; sh, aa; clystn, aa  
2050-2080 aa w/mtld rd clystn  
2080-2110 aa  
2110-2140 sh, aa; clystn, aa  
2140-2170 clystn, aa, sh, aa w/dersng amnt of slty sh  
2170-2200 sh, dkbrn-rdbrn, sft, blk, clystn, ltgy-grn, sft, sm/mtld red

2200-2230 aa  
 2230-2260 aa  
 2260-2290 aa  
 2290-2320 aa  
 2320-2350 aa  
 2350-2380 aa  
 2380-2410 aa w/incrensng slty sh, rd-brn rd, sft, blk  
 2410-2440 slty sh, aa w/incrensng clystn, aa  
 2440-2470 aa  
 2470-2500 slty sh, aa  
 2500-2530 aa  
 2530-2560 aa  
 2560-2590 sltstn, rdshbrn, fm, calc; sm sh, brn, blk, sft  
 2590-2620 slty ss, rdshbrn, smwht friable, calc, n/fl  
 2620-2650 sltstn, aa  
 2650-2680 aa w/sm sh, brn, sli micaceous, blk  
 2680-2710 aa  
 2710-2740 sh, brn-rdbrn, sli slty, blk, smwht fm, calc  
 2740-2770 aa  
 2770-2800 aa  
 2800-2830 aa  
 2830-2860 aa w/incrensng sh, mgy, sft; clystn, mgy-grn, sft  
 2860-2890 sh, brn, calc, blk, smwht fm, clystn, mgy, sft, sh, dkg, vhd, blk  
 2890-2920 aa  
 2920-2950 aa, w/incrensng amnt sh, vari-colored  
 2950-2980 sh, vari-colored (grn, rd, or) fm, sli calc, blk; sm clystn, aa;  
 abundant loose qtz grains  
 2980-3010 aa  
 3010-3040 sh, vari-colored (grn, rd, or) sli mica, sft-smwht fm, blk, sm  
 clystn, aa; qtz, aa  
 3040-3070 aa w/dcrensng amnt of qtz  
 3070-3100 aa w/no qtz  
 3100-3130 aa  
 3130-3160 aa  
 3160-3190 aa  
 3190-3220 aa  
 3220-3250 aa  
 3250-3280 aa  
 3280-3310 aa  
 3310-3340 aa  
 3340-3370 aa w/sm slty sh, brn-rdbrn, sft, blk  
 3370-3400 aa  
 3400-3430 slty sh, brn-rdbrn, sft blk; sh, vari-colored, aa  
 3430-3460 sh, aa; sh, vari-colored, aa  
 3460-3490 sh, vari-colored, aa  
 3490-3520 ss, lt-dkbrn, fg, fm, cly infilled, n/fl; sm slty sh, aa  
 3520-3550 sltstn, lt-dkbrn, fm, blk grng into slty sh, aa; sm ss, aa  
 3550-3570 sh & slty sh, brn-rdbrn-grn; sft, smwht mica, calc; sm clystn,  
 wht, sft.  
 3570-3600 sh, brn-grn, sft, sli calc, smwht mica; sm clystn, aa  
 3600-3630 sh, brn-grn, aa; sm clystn, aa; tr chrt, blk.  
 3630-3660 aa, w/no chrt  
 3660-3690 aa w/tr slty ss, brn, fg, cln, calc, mica, n/fl  
 3690-3720 ss-slty ss, brn-ltbrn, fg smwht clyfilled, mica, friable, sli calc,  
 n/fl; sh, aa; clystn, aa  
 3720-3750 sh, aa  
 3750-3789 sh, brn-rdbrn, smwht slty, blk, calc, sft; sltstn, brn, sli mica,  
 calc, sft, sm sh, grn, sft  
 3780-3810 sh-slty sh, brn-rdbrn, sft-fm, blk, calc, large flakes, brn  
 mica; sh, grn, sft; sm ss, ltgy-gr, friable, calc, flakes of  
 brn-blk, mica, n/fl  
 3810-3840 sh, aa; sltstn, aa; ss, aa  
 3840-3870 sh, aa w/sh, vari-colored, aa  
 3870-3900 sh, brn-rdbrn, slty, calc, sm w/mica flakes, sft; sh, grn, slty  
 in part, sft  
 3900-3930 aa  
 3930-3960 sltstn-velty sh, brn-rdbrn, sft, calc, mica flakes; sm ss, lt gy-grn,  
 friable, clyfill, sh, gn, aa  
 3960-3990 aa, grng into sh, aa  
 3990-4020 sh, aa w/sh, vari-colored, aa  
 4020-4050 aa  
 4050-4080 aa  
 4080-4110 aa w/ss, wht-lt grn, vfg-fg, friable, calc, cln

4110-4140 sh, aaw/sh, vari-colored, aa  
 4140-4170 sh, brn-vari-colored, sft, smwht slty; sltstn, brn, sft  
 4170-4200 sltstn, brn, fm, blk;ss, brn-librn-grn, vfg, fg, calc, large  
 brn mica flakes present  
 4200-4230 sh, brn-rdbrn-grn, slty, sft, calc, sm sltstn, aa;  
 4230-4260 aa w/tr ss, brn, vfg-fg, sli calc, pyritic, sli mica.  
 4260-4290 sltstn, brn, blk, calc; ss, aa; sm sh, aa  
 4290-4320 sltstn, aa, w ss, wht-gn, vfg-fg, calc; tr anhy, wht, sft  
 4320-4350 sh, aa w/sltstn, aa; sm ss, aa; tr anhy  
 4350-4380 sh, aa w/sm sltstn, aa  
 4380-4410 aa w/increng gn sh & tr ls, ltbrn, vf xln, hd, tt  
 4410-4440 sltstn-slty ss, brn, vfg-fg, calc, mica pyrite present; sh, aa;  
 tr anhy, wht-ltgn, fm  
 4440-4470 sh, vari-colored (sm wht mottled rd&brn), v slty, calc, blk;  
 sh, gn, aa  
 4470-4500 sh, aa; anhy, wht, fm  
 4500-4530 sh, aa w/tr ls, ltgy, vf xln, tt  
 4530-4560 sltstn--slty ss, brn, vfg-fg, sli calc, mica, pyrite present, sh, aa  
 4560-4590 aa, w/tr ls, mgy, fxln, dns, tt, anhy, wht, sft  
 4590-4620 aa  
 4620-4650 aa  
 4650-4680 sh, brn-rdbrn, calc, slty, fm-sft; sm sh, mgy, sft, smwht slty  
 sh, aa  
 4680-4710 ss, brn-wht, vfg-fg, fm, calc, large mica flakes present, pyrite;  
 sh, aa  
 4710-4740 sh, aa w/sm ss, aa; ls, mgy, vfxln; hd, tt; increng amnt of sh,  
 mgy, aa  
 4740-4770 aa w/dcrsng in ls, aa  
 4770-4780 aa  
 4780-4790 aa  
 4790-4800 aa w/tr ls, aa  
 4800-4810 ss, ltgy-wht-brn, vfg-fg, fm, pyrite, large mica flakes, calc  
 4810-4820 ls, ltgy-gngy, vfxln, dns, hd, tt; sm, ss, aa  
 4820-4830 aa  
 4830-4840 ls, ltgy-gngy, vfxln-fxln, cln, hd, tt w/sm ls, wht, hd, oolitic in pt.,  
 tr min fl  
 4840-4850 ss, wht-ltgy, fg, clyfill, fm-friable in pt., sli glauc; sh,  
 mgy-gn-rd, sft; sm ls, aa  
 4850-4860 ls, wht-ltgy, vfxln, dns tt; sh, mgy-gn, sft, slty  
 4860-4870 ls, ltgy-mgy, fxln, dns, slty in pt. tt; sm sltstn, brn, calc; sm sh,  
 aa  
 4870-4880 aa  
 4880-4890 aa, w/dcrsng amnt slty ls.  
 4890-4900 ls, wht-ltgy, vfxln, dns, tt; ss, wht-ltgy, fg, mica, calc, pyritic,  
 glauc in pt.  
 4900-4910 sh, mgy-gn-rdbrn, sft, fiss inprt, calc; ls, aa  
 4910-4920 ls, mgy-dkgy, vfxln, suc in prt, vhd, dns, tt, sli chrt  
 4920-4930 ls, wht, fxln, sft, tt  
 4930-4940 ls, wht-ltgy, fxln, sft-fm, tt, tr min fl  
 4940-4950 ss, ltgy-gn, vfg-fg, sft, glauc in pt., mica, calc; sh, brn-rdbrn,  
 sft; ls, aa  
 4950-4960 sh, mgy-gn-rdbrn, sft; sli slty, ls, aa, sm ss, aa  
 4960-4970 aa  
 4970-4980 aa  
 4980-4990 aa w/tr anhyd, wht, sft  
 4990-5000 ss, ltgy-gn, vfg, fm, glauc in pt., calc, sli mica; ls, aa  
 5000-5010 ls, mgy, sndy, fxln, pyrite present, sh, aa  
 5010-5020 sh, rdbrn-mgy-gn, sft, sli slty, blk; ls, aa; chrt, blk  
 5020-5030 ls, mgy-wht, fxln, slty in pt., crinoid columnals present, tt;  
 sh, aa  
 5030-5040 ls, mgy, ltgy, fxln, slty in pt, crinoid columnals & sm fossil  
 debris present, tt, calcite veins present W/calcite filled Wugs,  
 min fl,  
 5040-5050 ls, wht-ltgy, vfxln, dns, hd, tt  
 5050-5060 ls, mgy, fxln, slty in pt, hd, tt, abund crinoid columnals present  
 5060-5070 sh, rdbrn-gn-mgy, sft, sli slty; ls, aa; tr anhyd, wht, sft  
 5070-5080 sh, rdbrn-gn-mgy, sft, slty, calc; ls, aa  
 5080-5090 sh, rebrn-brn-mgy, fm, sli, slty, calc, ls, aa  
 5090-5100 sh, brn, rdbrn, fm, calc, slty; ls, aa  
 5100-5110 aa w/increng amnt ls, brn-mgy, hd, tt, slty in pt.

5110-5120 sh, aa  
 5120-5130 sh, aa; ls, aa  
 5130-5140 sh, aa  
 5140-5150 aa  
 5150-5160 aa  
 5160-5170 ls, wht, vfxln, fm, tt; sm sh, aa  
 5170-5180 aa w/crinoid columnals present  
 5180-5190 ls, mgy-brn, fm, tt, vsilty; sltstn-silty, sh, mgy-brn, fm, calc, blkly  
 5190-5200 sh, mgy-rdbrn, sft, fiss in pt, sli calc  
 5200-5210 ls, mgy-brn, vfxln, sli slty, tt, hd; sh, mgy, fm=sft, fiss, wxy  
 5210-5220 ls, aa w/sm pyrite present; sh, aa  
 5220-5230 ls, mgy-ltgy, fxln slty in pt, fr oolites, fm-hd, ttl sh, aa  
 5230-5240 ls, mgy-dkgy, fxln, fm, tt, sli sltyl sh, mgy-dkgy, sft, fiss, wxy  
 5240-5250 aa w/incrsng sh, aa; sh, brn-rdbrn, slty, sft, blkly, calc  
 5250-5260 sh, aa; ls, aa  
 5260-5270 ss, mgy-gn-wht, fm-friable, cli calc, mica, fg-vfg; sh, aa, tr ls, aa  
 5270-5280 sh, mgy-gngy, sft, sli slty, smwht blkly, sli calc; sm ls, aa; sm ss, aa  
 5280-5290 sh, aa w/ sltstn, brn-rdbrn, sft-fm, calc; incrsng amnt of ls, aa  
 5290-5300 ls-sh, ls, ltgy-hd, vfxln, tt; sh, mgy-gngy-gn, sft, slty in pt, sli calc  
 5300-5310 ls, wht, fm, oolitic, tt, n/s; sh, aa  
 5310-5320 ls, wht, fm, oolitic, w/ls, mgy-gngy, hd, slty, tt; sh, aa  
 5320-5330 sh, mgy-dkgy, fm, slty, calc, blkly; sh, gn-gngy, sft, fiss; ls, aa  
 5330-5340 aa  
 5340-5350 ls, ltgy, fxln, sli sac, hd, tt; sh, aa  
 5350-5360 aa  
 5360-5370 ls, ltgy-mgy, fxln, hd-fm, tt, lrge amnt calcite, tr tabulate corals  
 5370-5380 ls, mgy-ltgy, fsln, hd, tt  
 5380-5390 ls, aa w/ls, wht, vfxln, sft, tt; incrsng amnt sh, mgy-gn, sft-fm, sli slty, calc  
 5390-5400 sh, aa  
 5400-5410 sh, gngy-mgy, sft, fiss, calc, sli slty; sltstn, brn, blkly, fm  
 5410-5420 sh, aa w/ls, aa  
 5420-5430 aa  
 5430-5440 ls, ltgy-mgy, vfxln, hd,tt; sh, aa  
 5440-5450 sh, mgy-gngy-brn, fm, fiss, calc;ls,aa  
 5450-5460 sh, aa w/incrsng ls, aa  
 5460-5470 sh, dkgy-mgy, fm, blkly, sli calc, slty in pt.  
 5470-5480 aa  
 5480-5490 ls, ltgy-wht, sft-fm, tt, sli shlky; sm sh, aa  
 5490-5500 ls, mgy-ltgy, sm, vfxln, tt, sm ls, aa; incrsng sh, aa  
 5500-5510 sltstn, brn-rdbrn, sft, calc, sh, aa; ls, aa  
 5510-5520 ls, mgy-dkgy, vfxln, fsln, fm slty, sm crinoid columnals present; sh, aa  
 5520-5530 sh, brn-mgy-rdbrn, vsilty, sft fm, calc; sm ls, aa; tr anhyd, wht, sft  
 5530-5540 sh, dkgy-mgy, calc, blkly, fm, vsilty; sm, anhyd, aa  
 5540-5550 aa  
 5550-5560 aa  
 5560-5570 aa w/sm anhyd present, aa  
 5570-5580 ls, mgy-ltgy, fxln, fm-hd, tt, sli slty; sh, aa  
 5580-5590 sh, mgy, fm, slty, calc; ls aa  
 5590-5600 aa  
 5600-5610 aa  
 5610-5620 sltstn, brn-rdbrn, sft, blkly, calc; sh, aa  
 5620-5630 sh, mgy-brn, sft, sli calc, slty in pt, blkly; sm sltstn, aa  
 5630-5640 aa w/tr anhyd, wht, sft  
 5640-5650 sh, aa w/sm sltstn, aa  
 5650-5660 ls, wht-ltgy, fm-hd, fxln-oolitic in pt, slty in pt; sh, aa  
 5660-5670 ls, ltgy-mgy, hd, tt, vfxln; sh, aa  
 5670-5680 aa  
 5680-5690 sh, mgy, sft-fm, slty, blkly, calc; ls, mgy, vfxln, hd, slty in pt, tt  
 5690-5700 ls, aa; sh, aa - sh-ls in almost equal amounts

5700-5710 aa  
 5710-5720 sh, aa w/ls, aa; incrsng amnt ls, ltgy, fm, fxln, sli sucr, dolo in pt, tt  
 5720-5730 aa  
 5730-5740 ls, ltgy, fxln, fm, dolo in pt, sli sucr, tt; sh, aa; tr anhyd, wht, vsft  
 5740-5750 ls, ltgy, fxln, fm, slic sucr, tt, chrty, n/s  
 5750-5760 sh, mgy-dkgy, sft, calc, slty, blk-fiss; ls, ltgy, vfxln, slic surc, dolo in pt  
 5760-5770 aa  
 5770-5780 sh, dkgy-mgy, fm, calc, silty in pt, blk-fiss  
 5780-5790 sh, blk, sft-fm, slty in pt, calc, fiss  
 5790-5800 aa  
 5800-5810 aa w/sh, mgy, fm, slty, calc, blk  
 5810-5820 aa  
 5820-5830 ss, w/incrsng ls, mgy, fxln, fm, sli slty, no  $\phi$ , n/s  
 5830-5840 aa w/incrsng ls, mgy-dkgy, fm-hd, vfxln-fxln, sli sucr, tt, n/s  
 5840-5850 ls, dolomtc ls, mgy-dkgy, fxln, fm-hd, sli sucr, tt, n/s; sm anhyd, wht, sft  
 5850-5860 ls-dolomtc ls, mgy, fxln, fm, smwht sucr, tt, vsli fl, vw ring cut upon drying; anhyd; aa  
 5860-5870 ls, mgy-ltgy, fxln-mxln, sucr, dolo in pt, v little  $\phi$ , vsk spty fl upon drying, n/c  
 5870-5880 dolo--ls, mgy-lt, fxln, n/s; anhyd, wht, sft, smwht xln  
 5880-5890 anhyd, sft, fxln-amorph, sft-fm; dolomtc ls, aa  
 5890-5900 aa  
 5900-5910 aa w/poss tr gyp  
 5910-5920 anhyd-ls; anhyd, aa; ls, ltgy-mgy, vfxln-fxln, no  $\phi$ , tr min fl, n/c  
 5920-5930 ls, mgy-dkgy, fxln, fm, slty in pt, tt, n/s; sh, dkgy, fm-sft, fiss  
 5930-5940 ls, dkgy-mgy, fxln, hd, dnse, tt, n/s; sh, aa; tr anhyd, wht, sft  
 5940-5950 ls ltgy, fxln-mxln, fm, slty in pt, sm  $\phi$  present but mostly tt  
 5950-5960 ls, aa w/incrsng amnt anhyd, wht, sft-brittle  
 5960-5970 ls-anhyd, aa  
 5970-5980 anhyd, wht, sft-brittle, amorph-vfxln  
 5980-5990 sh, blk-dkgy, fm, slty, blk; anhyd, aa; ls, aa  
 5990-6000 sh, aa; dolo-dolomtc ls, mgy, fxln, fm, v little  $\phi$ , n/s  
 6000-6010 sh, aa  
 6010-6020 sh, aa w/incrsng ls-dolo, mgy-brngy, fxln-mxln, sm  $\phi$  present but generally tt, fm-hd  
 6020-6030 ls-dolo, mgy-brngy, fxln-mxln, sm  $\phi$  present, fm-hd, wk pale yell fl, v sli cut upon drying, vsli ring cut  
 6030-6040 ls-dolo, mgy-brngy, fxln-mxln, sm  $\phi$ , fm-hd, n/s; incrsng amount of sh, dkgy-blk, fm, fiss, slty in pt, calc; tr anhyd, wht, sft-fm  
 6040-6050 sh, blk-dkgy, sft-fm, fiss, sli calc; ls--dolo, aa; tr anhyd, aa  
 6050-6060 ls-dolomtc ls, dkgy-blk, fxln, hd, no apparent  $\phi$ , v spty fl, v wk ring cut; sh, aa  
 6060-6070 ls-dolomtc ls, aa w/tr spty fl, vw ring cut; sh aa-sh-ls in equal amounts; sltstn, rd-rdbrn, sft, blk  
 6070-6080 sh, dkgy-blk, fiss, fm, sli cala; ls-dolo, aa, n/s; sltstn, aa  
 6080-6090 ls, mgy-dkgy, fm, mxln-fxln, sm  $\phi$  present, tr spty fl, wk upon drying; anhyd, wht, sft-fm  
 6090-6100 ls, mgy-dkgy, mxln-fxln, sm  $\phi$  present, n/s, sh, aa  
 6100-6110 sh, dkgy-blk, sft, fiss, calc, slty in pt; ls, aa  
 6110-6120 sh, blk, vsft, fiss  
 6120-6130 ls, dkgy-mgy, fxln-mxln, sm  $\phi$  present but mostly tt fm-hd, n/s; sh, aa  
 6130-6140 ls-dolo, dkgy-mgy, fxln, mxln, sm  $\phi$  present but mostly tt, hd, spty, fl, wk cut; sh, aa, tr anhyd, wht, sft-fm  
 6140-6150 ls-dolo, aa, vspty fl, n/c w/incrsng anhyd, wht, sft-fm  
 6150-6160 anhyd-ls-dolo, aa  
 6160-6170 anhyd, aa w/sm salt; ls-dolo, aa  
 6170-6180 salt; anhyd, aa; ls-dolo, aa  
 6180-6190 aa  
 6190-6195 aa  
 TD 6195

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1a. TYPE OF WELL: OIL WELL [ ] GAS WELL [ ] DRY [X] Other [ ]
b. TYPE OF COMPLETION: NEW WELL [ ] WORK OVER [ ] DEEP-EN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] Other [ ]
2. NAME OF OPERATOR: Placid Oil Company
3. ADDRESS OF OPERATOR: 2021 First National Bank Bldg. Denver, Colorado 80293
4. LOCATION OF WELL: At surface 1909' FEL, 2108' FSL, Sec. 24-39S-25E
15. DATE SPUNDED: 5/6/77
16. DATE T.D. REACHED: 5/30/77
18. ELEVATIONS: 5287 GL; 5300 KB
20. TOTAL DEPTH: 6207'
23. INTERVALS DRILLED BY: Surface to 6207'
24. PRODUCING INTERVAL(S):
26. TYPE ELECTRIC AND OTHER LOGS RUN: Dual Laterolog and Formation Density/CNL
28. CASING RECORD: 13-3/8" casing, 54.50 lb/ft weight, 327' depth set, 17 1/2" hole size, 375 sx of class B cm cement, 2% cc amount pulled.
29. LINER RECORD:
30. TUBING RECORD:
31. PERFORATION RECORD:
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.: 6170-5970 60 sx reg., 5900-5750 45 sx reg., 4930-4780 45 sx reg., 2025-1875 45 sx reg., 1160-1010 45 sx reg., 375-275 30 sx reg., Surface 30 sx reg.
33.\* PRODUCTION: Surface
34. DISPOSITION OF GAS:
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: Doug Sprinker, TITLE: Geologist, DATE: June 2, 1977

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

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions. If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

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

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

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

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

**37. SUMMARY OF POROUS ZONES:**  
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.

**38. GEOLOGIC MARKERS**

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Entrada	810	810
Navajo	1112	1112
Chinle	1901	1901
Cutler	2889	2889
Hermosa	4830	4830
Ismay	5833	5833
Desert Creek	6022	6022
Paradox Salt	6148	6148





**WELL LOG**

BOTTOM	FORMATION	BOTTOM	FORMATION	BOTTOM	FORMATION
	Bit #4: 7-7/8" F2 ran 1/4 hr. 10'		cement.		
	Pump: 5 1/2" X 15 duplex, 62 spm, 1500#, 65 rpm, 20,000#				
	BHA: Bit 9 - 6 1/4" DC.				
5/9/77	1285' TD, 3 days; 958' sd&sh.		Mud: 9#, vis. 32.		
	Finished drlg cement, drld to 600', POH. Trip in		w/17 - 6 1/4" DC. Drld to 1285', now drlg ahead.		
	Bit #4: 23 1/2 hrs. 957'				
5/10/77	2010' Drlg. Made 725'				
5/11/77	2413' Drlg. Made 403'		M 9, Vis 32.		
5/12/77	2859' Drlg. Made 446'		M 9, Vis 32.		
5/13/77	3204' Drlg. Made 345'		M 9, Vis 39.		
5/14/77	3445' Drlg. Made 241'		M 10, Vis 39.		
5/15/77	3626' Trpg. Made 180'		M 10, Vis 40.		
5/16/77	3840' Drlg. Made 215'		M 10, Vis 40.		
	Sample Tops: Bluff		650		
			Summerville 745		
			Entrada 795		
			Carmel 1065		
			Navajo 1120		
			Kayenta 1555		
			Klingate 1630		
			Chinle 1900		
			Cutler 2855		
5/17/77	4050' Drlg. Made 210'		M 10, Vis 40.		
5/18/77	4300' Drlg. Made 250'		M 10.2, Vis 42.		
5/19/77	4510' Drlg. Made 210'		M 10.2, Vis 40.		
5/20/77	4715' Drlg. Made 205'		M 10.2, Vis 40.		
5/21/77	4893' Drlg. Made 178'		M 10.2, Vis 42.		
5/22/77	5033' Drlg. Made 140'		M 10.2, Vis 41.		
5/23/77	5196' Drlg. Made 163'		M 10.2, Vis 41.		
5/24/77	5376' Drlg. Made 180'		M 10.2, Vis 42.		
5/25/77	5533' Drlg. Made 157'		M 10.2, Vis 40.		
5/26/77	5700' Drlg. Made 167'		M 10.1, Vis 40.		
5/27/77	5860' Drlg. Made 160'		M 10.3, Vis 41.		
5/28/77	6030' Drlg. Made 170'		M 10.4, Vis 42.		
5/29/77	Tripped to log 6195'		Made 168'. M 10.3, Vis 53.		
5/30/77	T.D. 6195'. Plugged well.				

INVOICE

*San Juan Engineering Company*

WELL LOCATIONS - ROADS - SUBDIVISIONS - POWER LINES - LAND SURVEYS - PIPE LINES  
CONSULTING - GENERAL ENGINEERING - DESIGN - REPORTS - MUNICIPAL

REGISTERED PROFESSIONAL ENGINEERING SERVICE  
IN NEW MEXICO, COLORADO, UTAH, ARIZONA, OKLAHOMA, WYOMING

PHONES

FARMINGTON, N. M. . . . 325-7535  
NIGHT . . . . . 325-2670

P. O. BOX 752  
FARMINGTON, NEW MEXICO  
87401

22 November 1976

*Federal  
DU-5*

Placid Oil Company  
2008 United Bank Center  
Denver, Colorado 80202

2 November 1976

**Engineering Field Crew**

Surveyed well location and elevation at 2108' from  
the South line and 1909' from the East line of  
Section 24, T 39 S, R 25 E, S.L.M.

Including cross-sections of location area.

11 Hrs crew time @ \$35  
Office, drafting, etc.

\$385.00  
45.00  
\$430.00

PO.C.6417 1-76

PLACID OIL COMPANY

7-24-79  
DATE

TO

*Mr. Peterson*  
*Person Office*

REMARKS:

*Dottie,*  
*WEL FIVE*

*USA*  
*DU-5*  
*STAFF*

FROM:

FOR YOUR INFORMATION

FOR YOUR ATTENTION

FOR FILING

FOR MAILING

FOR APPROVAL

FOR RECOMMENDATION

FOR SIGNATURE

SHOW CHARGE

RETURN

**PLACID OIL COMPANY**  
**2021 FIRST NATIONAL BANK BUILDING**  
**DENVER, COLORADO 80202**

March 18, 1977

Mr. Jerry W. Long  
U.S.G.S.  
125 West 10th Street  
Box 1809  
Durango, Colorado 81301

Re: Placid Oil Company  
USA #DU-5 - NW $\frac{1}{4}$ SE $\frac{1}{4}$   
Sec. 24-T39S-R25E  
San Juan Co., Utah

Dear Mr. Long:

Attached is the following relative to the above captioned well:

1. Application for permit to drill
2. Surveyor's location plat
3. BOP diagram
4. Multi-point surface use and operations plan including rig layout, drilling pad cross section, vicinity map and USGS topo map.

Other information requested for the application but not provided for on Form 9-331C is provided below:

1. Surface formation - Cretaceous Dakota Formation
2. Expected geologic tops: Navajo - 1123  
Hermosa - 4842  
Ismay - 5820  
Desert Creek - 6037  
Salt - 6167
3. Possible oil or gas is expected in the Ismay and Desert Creek zones.
4. BOP diagram is attached. The BOP will be test daily.
5. Water Base natural mud will be used to a depth of approximately 3000' at which time a viscosity of 35-40 will be maintained with a sufficient weight to maintain formation pressures encountered.
6. Drillstem tests will be run on all zones where porosity and oil shows are indicated. No cores are planned. Electric logs to be run include the Dual Laterlog and a Formation Density Log.

Page 2.  
Mr. Jerry Long

March 18, 1977

7. Well should be drilled in about 30 days from commencement date.

Very truly yours,

PLACID OIL COMPANY

A handwritten signature in cursive script that reads "Doug A. Sprinkel". The signature is written in dark ink and is positioned above the typed name.

Doug A. Sprinkel

DAS/lab

Attachments