

File
.....
.....

Checked by Chief
Approval Letter
Disapproval Letter

SECTION DATA:

6-10-76

Location Inspected
Bond released
State or Fee Land

.....
OS..... PA. ✓

LOGS FILED

Driller's Log.....
Electric Logs (No.)
..... I..... Dual I Lat..... GR-N..... Micro.....
Sonic GR..... Lat..... Mi-L..... Sonic.....
CLog..... CLog..... Others.....

Pluper, abandoned - 6/1/76

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
Skelly Oil Company

3. ADDRESS OF OPERATOR
Box 3360, Casper, WY 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface **1980' FNL & 660' FVL of Sec. 28 - T39S-R26E**
 At proposed prod. zone **Same**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approximately 12 miles NE, Aneth, Utah.

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) **660'**

16. NO. OF ACRES IN LEASE **2338.64**

17. NO. OF ACRES ASSIGNED TO THIS WELL **40**

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. **None**

19. PROPOSED DEPTH **6200'**

20. ROTARY OR CABLE TOOLS **Rotary**

21. ELEVATIONS (Show whether DF, RT, GR, etc.) **5246' GR**

22. APPROX. DATE WORK WILL START*
June 1, 1976

5. LEASE DESIGNATION AND SERIAL NO.
U-16777

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
North Ismay

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 28 - T39S-R26E

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" OD	48#	300'	360 sks.
7 7/8"	5 1/2" OD	14# - 15.5#	6200'	630 sks.

We propose to drill the captioned location to test the Lower Ismay and Desert Creek. Approximately 300' of 13 3/8" OD casing will be set and cemented from top to bottom. If a completion is attempted, 5 1/2" casing will be set at approximately 6200' and cemented in two stages. Mud program as follows:

Depth	Wt.	Vis.	Fluid Loss
0-300'	8.5-8.8	45-80	N.C.
300'-3200'	8.4-8.6	28-32	N.C.
3200'-5650'	8.6-9.0	30-32	N.C.
5650'-6200'	8.9-9.1	32-34	8-10 CC

On drilling out below surface, we propose to use a double gate blowout preventer integrally equipped with drill pipe rams and blind gate rams, all rated at 3000 psi working pressure, 6000 psig test pressure, with check valve (3000/ WP) at BOP drill pipe fill inlet and two Kelly cock valves, one for Kelly and one for stand-by for drill pipe.

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 Roy J. McWhirter TITLE Area Superintendent DATE 5/10/76

(This space for Federal or State office use)

PERMIT NO. 23 0314-30285 APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

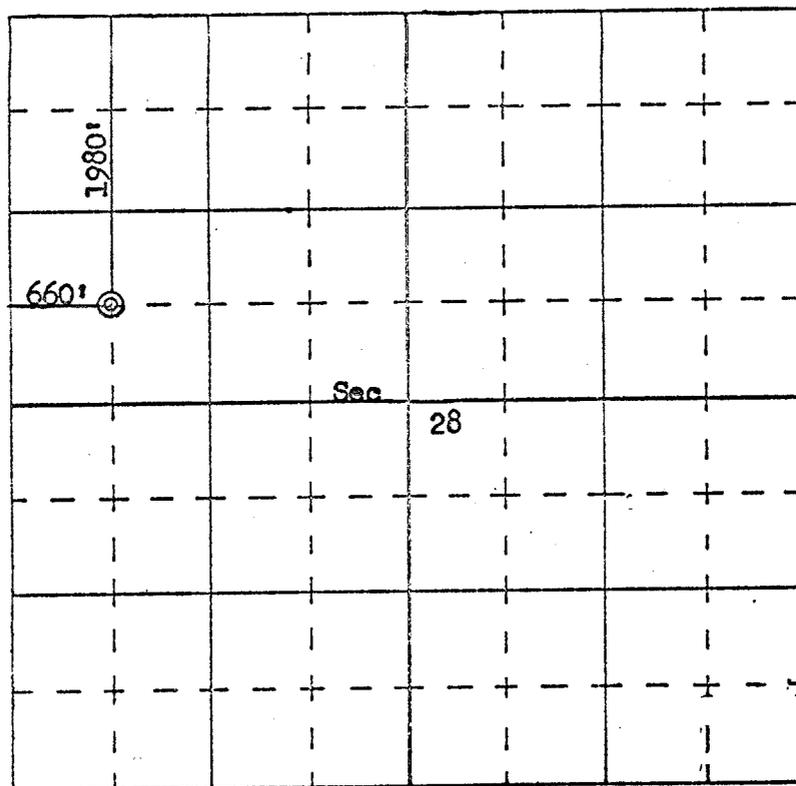
COMPANY Skelly Oil Company

LEASE North Ismay WELL NO. 1

SEC. 28, T. 39S, R. 26E SLM
SAN JUAN COUNTY, UTAH

LOCATION 1980' FNL 660' FWL

ELEVATION 5246 Ungraded Ground



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.

Fred B. Kerr Jr.
Fred B. Kerr Jr.

SEAL:

Registered Land Surveyor.

#3950

SURVEYED April 15, 1976

Laughlin-Simmons & Co.

FARMINGTON, N. M.



SKELLY OIL COMPANY

BOX 3360
CASPER, WYOMING 82602

May 10, 1976

Re: North Ismay Well No. 1
Sec. 28 - T39S-R26E
San Juan County, Utah

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

Gentlemen:

The following is a development plan for surface in the drilling of North Ismay No. 1. Also attached is an application for permit to drill well. (Form 9-331C.)

1. Existing Road: From Farmington, NM go west on Hi-way 550 to Shiprock, go north on Hi-way 666, 20 miles, go west on Hi-way 160, 12 miles and turn north to Aneth Trading Post and Mc Elmo Creek, turn right 9 miles, left 2 miles, right 2 1/2 miles to Hi-Line, left through cattleguard 1/4 mile, right 1/2 mile, right 1 mile to location. (Ex. I.)
2. Planned Access Roads: Approximately 1 1/2 miles of existing road will be used, except to improve approximately 300' across rocky terrain. (See Ex. II.)
3. Location of Wells: (See Ex. III.)
4. Lateral Roads: None.
5. Tank Batteries & Flowlines: If well is a commercial producer, we plan to set a heater treater and two 300 bbl. storage tanks with approximately 300' flowline. (See Ex. IV.)
6. Water Supply: Water to be trucked from Mc Elmo Creek at the Bailey Bridge, located in NE NE Sec. 21 - T40S-R26E, San Juan Co., Utah.
7. Method of Handling Waste: A reserve pit of adequate size will be used to handle waste and water disposal.

8. Location of Camps: None.

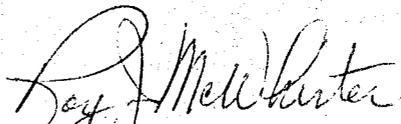
9. Location of Airstrips: None.

10. Location Layout: (See Ex. IV.)

11. Surface Restoration: All trash will be disposed of, mud pits will be filled with soil, and entire location will be leveled and seeded as necessary to restore land as near as possible to its original condition.

12. Additional Information: Terrain at well site is relatively flat land with sparse pasture sage. There are no streams or ponds in the immediate area. The entire drilling operations, including move in and move out of drilling equipment will take approximately 30 days.

Operations will be conducted so as to have no adverse effects on the environment. No salt water, mud, chemicals or other pollutant will be allowed to drain from the well site area which will consist of approximately 2 acres surrounding the well location.


Roy J. McWhirter
Area Superintendent



SKELLY OIL COMPANY

BOX 3360
CASPER, WYOMING 82602

May 10, 1976

Re: North Ismay Well No. 1
Sec. 28 - T39S-R26E
San Juan County, Utah

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

Gentlemen:

The following is a development plan for surface in the drilling of North Ismay No. 1. Also attached is an application for permit to drill well. (Form 9-331C.)

1. Existing Road: From Farmington, NM go west on Hi-way 550 to Shiprock, go north on Hi-way 666, 20 miles, go west on Hi-way 160, 12 miles and turn north to Aneth Trading Post and Mc Elmo Creek, turn right 9 miles, left 2 miles, right 2 1/2 miles to Hi-Line, left through cattleguard 1/4 mile, right 1/2 mile, right 1 mile to location. (Ex. I.)
2. Planned Access Roads: Approximately 1 1/2 miles of existing road will be used, except to improve approximately 300' across rocky terrain. (See Ex. II.)
3. Location of Wells: (See Ex. III.)
4. Lateral Roads: None.
5. Tank Batteries & Flowlines: If well is a commercial producer, we plan to set a heater treater and two 300 bbl. storage tanks with approximately 300' flowline. (See Ex. IV.)
6. Water Supply: Water to be trucked from Mc Elmo Creek at the Bailey Bridge, located in NE NE Sec. 21 - T40S-R26E, San Juan Co., Utah.
7. Method of Handling Waste: A reserve pit of adequate size will be used to handle waste and water disposal.

8. Location of Camps: None.

9. Location of Airstrips: None.

10. Location Layout: (See Ex. IV.)

11. Surface Restoration: All trash will be disposed of, mud pits will be filled with soil, and entire location will be leveled and seeded as necessary to restore land as near as possible to its original condition.

12. Additional Information: Terrain at well site is relatively flat land with sparse pasture sage. There are no streams or ponds in the immediate area. The entire drilling operations, including move in and move out of drilling equipment will take approximately 30 days.

Operations will be conducted so as to have no adverse effects on the environment. No salt water, mud, chemicals or other pollutant will be allowed to drain from the well site area which will consist of approximately 2 acres surrounding the well location.


Roy J. McWhirter
Area Superintendent

DIVISION OF OIL, GAS, AND MINING

FILE NOTATIONS

Date: May 13 -
 Operator: Skelly Oil Co.
 Well No: North Ismay #1
 Location: Sec. 28 T. 39S R. 26E County: San Juan

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

Checked By:

Administrative Assistant: [Signature]

Remarks:

Petroleum Engineer/Mined Land Coordinator: [Signature]

Remarks:

Director: [Signature]

Remarks:

Pulled copy

Include Within Approval Letter:

Bond Required Survey Plat Required
 Order No. Blowout Prevention Equipment
 Rule C-3(c) Topographical 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

May 17, 1976

Skelly Oil Company
Box 3360
Casper, Wyoming 82602

Re: Well No. North Ismay Federal #1
Sec. 28, T. 39 S, R. 26 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 the 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 43-037-30285.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT
DIRECTOR

cbf/sw

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.

U-16777

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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.)

7. UNIT AGREEMENT NAME

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR

Skelly Oil Company

3. ADDRESS OF OPERATOR

Box 2360, Casper, WY 82602

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

1980' FNL & 660' FWL Sec. 28 - T39S-R26E

8. FARM OR LEASE NAME

North Ismay

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 28 - T39S-R26E

14. PERMIT NO.

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

5246' GR

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:

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)

Operations

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

XX

(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.)*

5/21/76 - Drilling 520'.
Spudded 5/19/76, drilled 17 1/2" hole to 307'. Ran 13 3/8" OD casing to 303' KB and cemented w/350 sks cement. Cement circulated to surface. After WOB 24 hrs, tested 13 3/8" OD csg. w/600#, held okay.

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

SIGNED

L. S. Mayhew

TITLE

Area Clerk

DATE

5/21/76

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

K

CIRCULATE TO:

- DIRECTOR
- PETROLEUM ENGINEER
- MINE COORDINATOR
- ADMINISTRATIVE ASSISTANT
- ALL

J.P.

RETURN TO

Kathy
 FOR FILING

May 28, 1976

MEMO FOR FILING

Re: Skelly Oil Company
 North Ismay #1
 Sec. 28, T. 39 S., R. 26 E.
 San Juan County, Utah

Skelly Oil Company has notified this office that the above prospect was spudded-in at 2:00 A.M. on May 19, 1976. Arapahoe Drilling Company rig #6 is on the location.

Patrick L. Driscoll
 PATRICK L. DRISCOLL
 CHIEF PETROLEUM ENGINEER

PLD:tb

cc: U. S. Geological Survey

CIRCULATE TO:
DIRECTOR
PETROLEUM ENGINEER
MINE COORDINATOR
ADMINISTRATIVE ASSISTANT
ALL

RETURN TO *Lathy*
FOR FILING

June 11, 1976

MEMO FOR FILING

Re: Skelly Oil Company
North Ismay #1
Sec. 28, T. 39 S., R. 26 E.
San Juan County, Utah

On June 10, 1976, verbal approval was given to Mr. Dick Hergenreter, Skelly Oil Company, to plug and abandon this well.

A plugging program had previously been given to Skelly Oil Company by the U.S.G.S. This Division concurred in the proposed program.

PATRICK L. DRISCOLL
CHIEF PETROLEUM ENGINEER

PLD:tb

cc: U. S. Geological Survey

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.

U-16777

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

North Ismay

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT

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

28-T39S-R26E

12. COUNTY OR PARISH 13. STATE

San Juan

NM

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.)

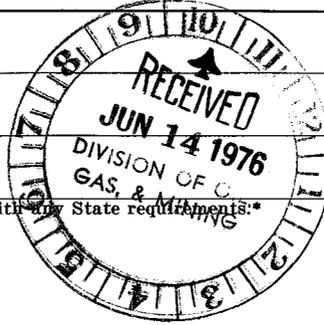
1. OIL WELL GAS WELL OTHER **Dry Hole**

2. NAME OF OPERATOR
Skelly Oil Company

3. ADDRESS OF OPERATOR
Box 3360, Casper, WY 82602

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

1980' FWL & 660' FWL



14. PERMIT NO.

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

5246' GR

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 checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF :

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

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

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

This well was drilled to a TD of 6148' and no commercial productive zones were found, and it is planned to P & A as follows in accordance with verbal approval from U.S.G.S. & State of Utah.

- 5785'-5935' - 55 sks.
- 4783'-4933' - 75 sks.
- 3071'-3221' - 85 sks.
- 1780'-1980' - 135 sks.

Well to be left open from 1780' to surface for use as water well.

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

SIGNED

L. L. Mott

TITLE

Area Clerk
Area Superintendent

DATE

6/11/76

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

* CORIBAND *

* SCHLUMBERGER *

COMPANY SKELLY OIL COMPANY

WELL NORTH ISMAY #1

FIELD WILDCAT

COUNTY SAN JUAN

STATE UTAH

DATE JUNE 16, 1976 REFERENCE JOB #10066,50347

COMPUTED AT:- ROCKY MOUNTAIN COMPUTING CENTER

THIS JOB IS LISTED FROM TOP TO BOTTOM
THIS IS A 01 FOOT LISTING
LISTING IS DISCRIMINATED FOR VSH>50%
LISTING IS DISCRIMINATED FOR PHI<1.9%
PERMEABILITY = (62500(PHI**6))/(SW**2) [10%<SW<50%]

THE FOLLOWING PARAMETERS WERE USED IN THIS COMPUTATION:

POROSITY NORMALIZATION: DENSITY = .06 GM/CC

START	STOP	RW	RMF	TEMP	RSH	DTSH	PNSH	RBSH	GR1	GR2	A	M	N	RHY
6130	5200	.04	.12	138	20	80	22	2.61	20	95	1	2.00	2.00	.8

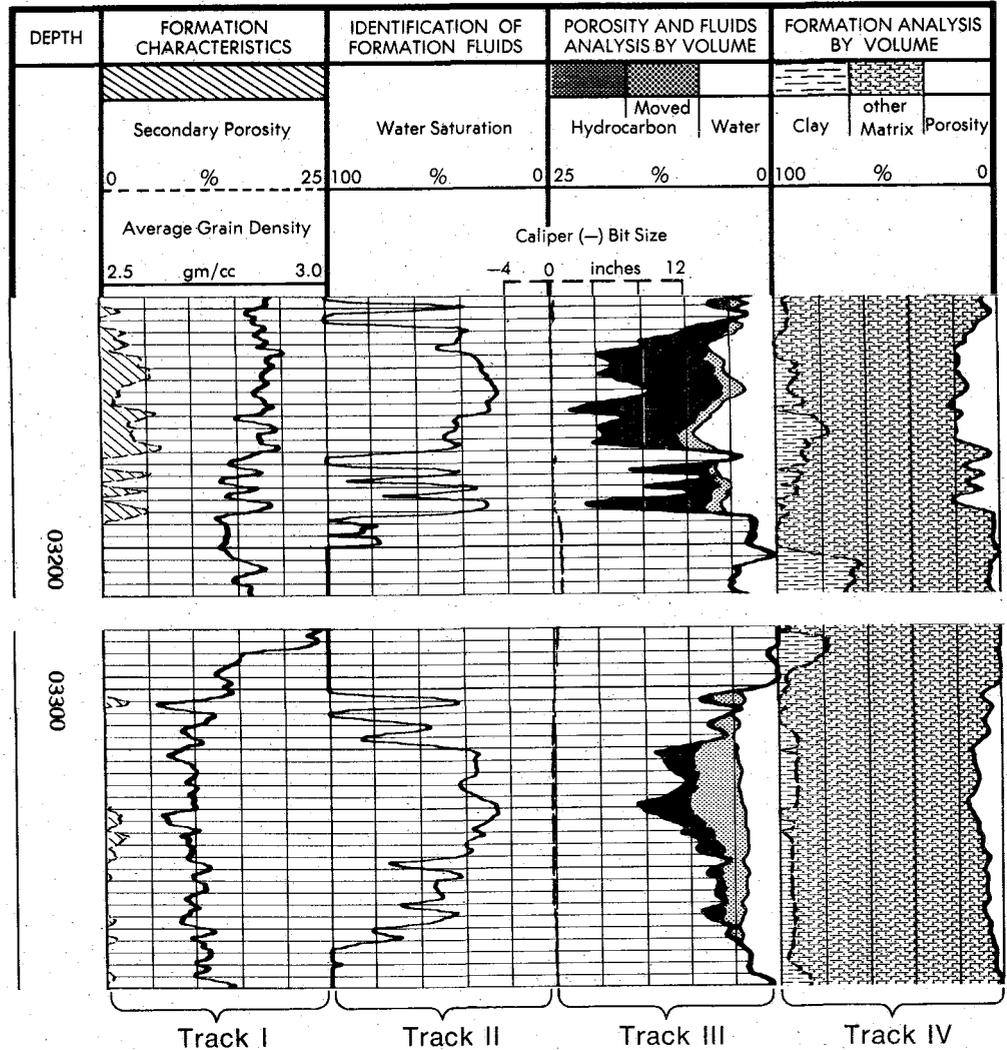
DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL SEC. % %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT HC-FT
5266.0	0.00	100	1.9 0.0	2.86	45	4.43 0.12
5289.0	0.00	100	2.3 0.0	2.80	46	4.40 0.12
5298.0	0.00	100	2.9 0.0	2.77	31	4.36 0.12
5345.0	0.00	100	2.0 0.0	2.74	40	4.25 0.12
5357.0	0.00	62	3.8 3.1	2.74	33	4.20 0.11
5358.0	0.00	72	2.5 0.9	2.71	13	4.16 0.10
5469.0	0.00	100	2.0 1.6	2.67	31	3.90 0.08
5470.0	0.00	100	2.0 2.0	2.66	42	3.88 0.08
5630.0	0.00	100	1.9 0.0	2.72	47	3.50 0.02
5657.0	0.00	100	2.9 0.0	2.77	42	3.48 0.02
5658.0	0.00	100	2.5 0.0	2.78	42	3.45 0.02
5663.0	0.00	100	2.5 0.0	2.82	48	3.41 0.02
5718.0	0.00	100	2.0 0.0	2.73	13	3.19 0.02
5719.0	0.00	100	2.2 0.0	2.69	17	3.17 0.02
5722.0	0.00	75	2.1 0.3	2.68	11	3.12 0.02
5760.0	0.00	100	2.5 0.0	2.74	25	2.97 0.02
5772.0	0.01	100	5.6 0.0	2.79	45	2.95 0.02
5773.0	0.00	100	2.1 0.0	2.72	37	2.90 0.02
5777.0	0.00	100	3.9 2.2	2.76	32	2.86 0.02
5778.0	0.00	100	3.1 0.0	2.72	19	2.82 0.02
5780.0	0.00	100	2.3 0.0	2.75	6	2.78 0.02
5810.0	0.00	100	3.2 0.0	2.76	38	2.61 0.02
5811.0	0.00	100	4.2 0.0	2.76	48	2.58 0.02
5812.0	0.00	100	4.3 0.0	2.75	38	2.53 0.02
5813.0	0.00	100	2.3 0.0	2.74	22	2.49 0.02
5815.0	0.00	100	2.7 0.0	2.81	28	2.46 0.02
5816.0	0.00	100	5.1 0.0	2.82	22	2.43 0.02
5817.0	0.01	99	6.1 0.0	2.79	16	2.37 0.01
5818.0	0.00	100	4.1 0.0	2.79	16	2.31 0.01
5819.0	0.00	100	3.2 0.0	2.82	27	2.28 0.01
5820.0	0.00	100	3.2 0.0	2.84	31	2.24 0.01

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL SEC. % %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT HC-FT		
5821.0	0.00	100	4.1	0.0	2.78	30	2.21	0.01
5822.0	0.00	100	4.0	0.0	2.74	30	2.17	0.01
5823.0	0.00	100	3.3	0.0	2.74	30	2.13	0.01
5824.0	0.00	100	2.5	0.0	2.75	32	2.10	0.01
5825.0	0.00	100	3.3	0.0	2.74	28	2.07	0.01
5826.0	0.00	100	3.7	0.0	2.73	28	2.04	0.01
5827.0	0.00	100	4.4	0.0	2.76	23	2.00	0.01
5828.0	0.00	100	4.2	0.0	2.76	25	1.96	0.01
5829.0	0.00	100	3.9	0.0	2.76	26	1.92	0.01
5830.0	0.00	100	3.5	0.0	2.78	29	1.88	0.01
5831.0	0.00	100	3.5	0.0	2.80	27	1.84	0.01
5832.0	0.00	100	3.7	0.0	2.79	26	1.81	0.01
5833.0	0.00	100	3.6	0.0	2.77	27	1.77	0.01
5834.0	0.00	100	4.1	0.0	2.76	26	1.73	0.01
5835.0	0.00	100	4.3	0.0	2.74	30	1.69	0.01
5836.0	0.00	100	4.5	0.0	2.72	32	1.65	0.01
5837.0	0.00	100	3.5	0.0	2.73	36	1.61	0.01
5838.0	0.00	100	3.2	0.0	2.76	35	1.57	0.01
5839.0	0.00	100	2.8	0.0	2.78	35	1.54	0.01
5840.0	0.00	100	2.3	0.0	2.75	38	1.51	0.01
5844.0	0.00	100	2.1	0.0	2.72	41	1.45	0.01
5845.0	0.00	100	2.3	0.0	2.76	38	1.43	0.01
5846.0	0.00	100	2.7	0.0	2.78	39	1.41	0.01
5847.0	0.00	100	4.0	0.0	2.77	37	1.38	0.01
5848.0	0.00	99	4.6	3.0	2.73	34	1.34	0.01
5849.0	0.00	99	4.6	4.0	2.71	33	1.29	0.01
5850.0	0.00	100	4.2	2.6	2.71	33	1.24	0.01
5851.0	0.00	100	4.3	1.9	2.73	29	1.20	0.01
5852.0	0.00	100	2.9	1.4	2.75	31	1.16	0.01
5853.0	0.00	100	2.7	0.3	2.75	29	1.13	0.01
5854.0	0.00	100	2.0	0.1	2.74	30	1.11	0.01
5869.0	0.00	100	2.6	0.0	2.75	34	1.07	0.01
5959.0	0.00	100	1.9	0.0	2.88	18	0.99	0.01
5960.0	0.00	100	4.8	1.0	2.86	25	0.97	0.01
5961.0	0.01	100	5.9	2.0	2.86	28	0.91	0.01
5962.0	0.03	100	7.1	2.3	2.86	31	0.85	0.01
5963.0	0.05	99	7.6	0.9	2.86	31	0.78	0.01
5964.0	0.00	100	4.5	0.0	2.80	25	0.71	0.01
6024.0	0.00	100	2.0	2.0	2.82	42	0.65	0.00
6027.0	0.00	100	2.4	2.1	2.77	47	0.61	0.00
6048.0	0.00	100	2.5	0.0	2.76	44	0.59	0.00
6049.0	0.01	100	5.4	0.4	2.75	40	0.56	0.00

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY		MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
			TOTAL %	SEC. %			POR-FT	RC-FT
6050.0	0.01	100	5.9	1.7	2.77	42	0.50	0.00
6051.0	0.00	100	4.9	2.9	2.74	47	0.44	0.00
6052.0	0.00	100	3.0	2.3	2.76	49	0.40	0.00
6057.0	0.00	100	2.5	0.0	2.85	41	0.34	0.00
6076.0	0.00	100	3.3	0.0	2.86	41	0.31	0.00
6101.0	0.00	100	2.5	0.0	2.81	40	0.24	0.00
6104.0	0.00	100	2.3	0.0	2.80	28	0.19	0.00
6114.0	0.00	100	3.9	1.4	2.83	44	0.15	0.00
6115.0	0.00	100	3.7	0.8	2.82	41	0.11	0.00
6116.0	0.00	100	2.5	0.0	2.79	37	0.08	0.00

CORIBAND

Analysis of Complex Reservoirs



Formation Characteristics - Track I

Secondary Porosity. This is the porosity other than intergranular such as vugular porosity. The coding for this curve is shown above the track.

Average Grain Density. This is the computed apparent grain density of the formation—including the clay. Lithology may be identified from this curve under most circumstances. It is also an excellent correlation curve.

Identification of Formation Fluids - Track II

Water Saturation. This curve indicates the percentage of clay-free pore space filled with water. It is assumed that hydrocarbons occupy that portion of clay-free pore space not occupied by water.

Porosity and Fluids Analysis (% of Bulk Volume) - Track III

The information in this track is similar to a "Movable Oil Plot" when flushed zone resistivity has been measured. Coding symbols are shown above the track.

Porosity. This outermost curve to the left represents total clay-free porosity both primary and secondary. This porosity also represents the % of bulk volume available for fluids.

Water-Filled Porosity. This innermost curve to the right represents the water in the pore space (in % of bulk volume) in the formation far

from the borehole. The area under this curve is usually greater in water productive zones than it is in hydrocarbon productive zones. The area between the porosity and water-filled porosity curves represents the % of bulk volume containing hydrocarbons.

Flushed Zone Water-Filled Porosity. This curve is presented when the "flushed" zone resistivity is available. The area between this curve and the water-filled porosity curve represents the volume of hydrocarbons in % of bulk volume, which have been moved from the flushed zone near the borehole.

Formation Analysis by Volume - Track IV

This track is divided into clay volume, other matrix, and porosity, according to the codings above the track.

Clay Volume. This left-most curve represents the percentage of clay computed from special logic relating clay indicators (SP, GR, etc.) to the bulk volume fraction of clay. This is an excellent correlation curve through shaly formations.

Other Matrix. This area between porosity and clay represents the percentage sum of all other solids present in the formation.

Porosity. This is the same clay-free porosity as that presented in Track III.

Caliper (-) Bit Size.

Located in Tracks II and III, this curve represents hole size minus bit size in inches. This presentation indicates both hole enlargement and the presence of mudcake.

Tabular Listing

1	2	3	4	5	6	7	8	9
DEPTH FEET	PERM. INDEX MD.	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	CLAY VOLUME %	CUMULATIVE INTEGRATIONS	
							POR-FT	HC-FT
3146.0		100	1.6	.0	2.85	8	44.32	11.30
3147.0		100	1.4	.0	2.83	7	44.30	11.30
3148.0		100	1.5	.0	2.83	7	44.29	11.30
3149.0		100	1.3	.0	2.85	14	44.27	11.30
3150.0		100	1.6	.0	2.86	21	44.26	11.30
3151.0		100	2.8	.0	2.82	22	44.24	11.30
3152.0		100	3.1	.0	2.82	22	44.21	11.30
3153.0		100	2.7	.0	2.79	18	44.18	11.30
3154.0		100	2.8	.0	2.83	16	44.15	11.30
3155.0		100	3.2	.0	2.83	17	44.13	11.30
3156.0		100	2.5	.0	2.87	23	44.09	11.30
3157.0		100	1.9	.0	2.93	26	44.07	11.30
3158.0		100	1.2	1.2	2.93	22	44.05	11.30
3159.0		100	3.8	.8	2.90	9	44.04	11.30
3160.0		49	7.7	1.1	2.88	3	43.99	11.29
3161.0		56	6.8	2.1	2.82	5	43.91	11.25
3162.0		100	4.0	.2	2.86	5	43.85	11.23
3163.0		96	4.9	.1	2.85	6	43.81	11.23
3164.0		41	8.5	1.8	2.87	5	43.76	11.22
3165.0		42	10.0	1.7	2.83	5	43.67	11.16
3166.0		42	13.3	2.4	2.86	2	43.56	11.10
3167.0		51	14.2	2.0	2.83	0	43.42	11.02
3168.0		38	19.0	5.1	2.92	0	43.27	10.95
3169.0		34	19.5	4.2	2.86	0	43.08	10.82
3170.0		31	18.2	4.5	2.88	2	42.89	10.70
3171.0		31	18.1	5.2	2.86	9	42.70	10.57
3172.0		28	19.8	5.2	2.84	6	42.52	10.44
3173.0		26	17.7	3.3	2.87	9	42.33	10.31
3174.0		25	15.0	1.7	2.83	6	42.16	10.19
3175.0		24	13.7	1.7	2.82	5	42.02	10.08
3176.0		26	16.1	1.2	2.85	7	41.88	9.97
3177.0		27	21.1	3.0	2.89	12	41.71	9.85
3178.0		27	22.9	5.7	2.85	0	41.49	9.70
3179.0		44	16.7	3.5	2.76	7	41.28	9.55
3180.0		42	18.4	2.7	2.87	17	41.11	9.46
3181.0		42	20.0	3.6	2.89	20	40.92	9.35
3182.0		47	19.3	3.4	2.84	22	40.73	9.24
3183.0		44	19.7	4.6	2.85	21	40.53	9.14
3184.0		42	17.9	7.8	2.91	13	40.33	9.02
3185.0		81	8.2	2.4	2.82	12	40.18	8.94
3186.0		100	3.7	.0	2.77	11	40.11	8.93
3187.0		99	7.2	.0	2.77	13	40.07	8.93
3188.0		41	16.4	5.1	2.85	6	39.97	8.90
3189.0		82	7.8	1.6	2.73	11	39.82	8.82
3190.0		59	9.2	.0	2.76	9	39.75	8.81
3191.0		34	14.5	4.4	2.82	2	39.64	8.75
3192.0		84	6.7	.0	2.75	9	39.52	8.68
3193.0		30	18.3	1.8	2.86	4	39.43	8.65

CORIBAND

Analysis of Complex Reservoirs

The tabular listing shown on the opposite page presents answers in a numerical form for further analysis.

Column 1. Depth in feet

Column 2. Permeability index in millidarcies (optional)

Column 3. Water saturation in per cent

Column 4. Total porosity in per cent—includes all clay-free porosity both primary and secondary

Column 5. Secondary porosity in per cent—a portion of the total porosity

Column 6. Matrix grain density in grams per cubic centimeter—clay-free average grain density

Column 7. Clay volume in percentages of bulk volume

Column 8. Cumulative porosity-feet

Column 9. Cumulative hydrocarbon-feet

The cumulative numbers in columns 8 and 9 can be used respectively to calculate reservoir pore space and volume of hydrocarbons in place. The total pore space, in barrels per acre, is equal to the difference in the numbers of column 8 at the top and bottom of the zone of interest multiplied by 7758. A similar calculation yields the total barrels per acre of hydrocarbons in place.

CORIBAND

Analysis of Complex Reservoirs

- Continuous computation of log data.
- Analog and tabular listing of results.
- Analysis of reservoirs – both clean and shaly.

CORIBAND is computed using the following parameters:

Resistivity—from the Induction Log, Laterolog and Micro-Resistivity devices.

Density—from FDC—Formation Density Compensated Log.

Neutron—from SNP—Sidewall Neutron Porosity Log or
CNP—Compensated Neutron Porosity Log.

Sonic—from BHC—Borehole Compensated Sonic Log.

SP, Gamma Ray and Caliper are run in conjunction with the above logs.

GEOLOGICAL FIELD SHEET

5246' GL

STATE & COUNTY San Juan Co., Utah

ELEV. 5259' KB

OPERATOR Skelly Oil

FEE OWNER #1 North Ismay

LOCATION 660' FWL 1980 FNL

SURVEY SEC.-TWP.-RNG. 28-39S-26E

Contractor: Arapahoe

CASING RECORD

BEG.:

COMP.:

COMPLETION RECORD

SAMPLE

TOPS

SCHLUMBERGER

MISCELLANEOUS INFORMATION

5/19/76 Spudded 2 a.m. Drld. 307' of 15" hole.
Set 13 3/8" csg. at 303' w/350 sx.

5/20/76 WOC

5/21/76 Drlg @ 520'; drld plug 6 a.m.

5/22/76 1875' on bit; 1355' in last 24 hrs. Chinle fm.
Surv. 1/2° @ 622'; 3/4° @ 1141'; 3/4° @ 1676'
Md. 8.8, V 29

5/23/76 2360' on bit; 485' in last 24 hrs. Chinle fm.
Surv. 3/4° @ 2173'; Md. 9.0, V 29

5/24/76 3090' on bit; 730' in last 24 hrs. Cutler fm.
Surv. 1° @ 2269'; Md. 9.0, V 29

WELL LOG

BOTTOM	FORMATION	BOTTOM	FORMATION	BOTTOM	FORMATION
5/25/76	3648'; 558' in 24 hrs. Cutler. Md. 8.9, V 29. Bit #6 7 7/8" in @ 2234' - 1414' in 54 3/4 hrs. pp 1000, spm 68, bha 17.			3/4° @ 3106'. Smith F-2; in @ Wt. 40,000, rpm 60;	
5/26/76	4130'; 482' in 24 hrs. Cutler. Md. 9.7, V 32. Bit #6 - 1896' in 78 1/4 hrs. Wt. 20,000; rpm 60; pp 1000; spm 68, bha 17. 23 1/2 drlg; 1/4 rr; 1/4 surv.			3/4° @ 3703'. in 78 1/4 hrs.	
5/27/76	4452'; 322' in 24 hrs. Cutler. Md. 9.7, V 37, cl 32,000 ppm. Bit #6, 2218' in 101 1/2 hrs. Wt. 40,000 rpm 52, pp 1000, spm 68, bha 17. 24 1/4 drlg; 3/4 rr.				
5/28/76	4705'; 253' in 24 hrs. Honaker Trail. Md. 9.7, V 37, WL 8, C 2/32, YP 23, Sol 13%, Cl 40,000. Bit #6 - 2471' in 125 1/4 hrs. pp 1000; spm 68; bha 17. 23 3/4 drlg; 1/4 rr.			3/4° @ 4702'. Wt. 40,000; rpm 50;	
5/29/76	4910'; 205' in 24 hrs. Hermosa. Md. 9.9, V 41, WL 7.0, cake 2/32, ph 7, yp 2, cl 40,000, sol 12%, SS 1%. Bit #6, 2676' in 148 3/4 hrs. Wt. 40,000, rpm 52, pp 1000, spm 68, bha 17. 23 3/4 drlg; 1/4 rr.			3/4° @ 4718'. in 148 3/4 hrs.	
5/30/76	5045'; 135' in 24 hrs. Hermosa. Md. 9.8, V 41, WL 28, cake 2/32, ph 10, yp 15, cl 45,000, sol 8%, ss 1%. Bit #6 out @ 5045, 2811' in 162 1/2 hrs. rpm 52, pp 1000, spm 68, bha 17. Tripping for bit. 14 3/4 drlg; 3 1/2 trpg; 1/4 rr; 5 1/2 circ.				
5/31/76	5150' drlg., 105' in 24 hrs. Hermosa fm. Md. 10.1, V 42, WL 40, cake 2/32, ph 11, yp 13, sol 8%, ss 1%. Bit #7 7 7/8" F-3 Smith; in @ 5045'; 105' in 20 3/4 hrs. Wt. 40,000, rpm 50, pp 1000, spm 68, bha 19. 20 3/4 drlg; 3 trpg; 1/4 rr.			1/4° @ 5045'. in 20 3/4 hrs.	
6/1/76	5302' drlg; 132' in 24 hrs. Hermosa fm. Md. 10, V 40, WL 15, cake 2/32, ph 10.5, yp 6, cl 20,000, sol 8%, ss 1.5%. Bit #7, 257' in 42 1/2 hrs. pp 1000, spm 68, bha 19. 23 3/4 drlg; 1/4 rr.				
6/2/76	5460' drlg., 158' in 24 hrs. Hermosa fm. Md. 10, V 40, WL 28, cake 3/32, ph 11, yp 7, cl 18,000, sol 12 3/4%, SS 1.5%. Bit #7, 415' in 66 1/4 hrs. Wt. 45,000, rpm 50, pp 1000, spm 68, bha 19. 23 3/4 drlg., 1/4 rr.				

#1 North Ismay, Sec. 28-39S-26E, San Juan County, Utah

- 6/3/76 5568' drlg.; 108' in 24 hrs. Hermosa sh. fm.
 $\frac{1}{4}^{\circ}$ @ 5565'. Md. 10.2, V 37, WL 28, cake 3/32,
ph 10, yp 14, cl 18,000, sol 10%, ss 1%. Bit #7.
523' in 89 $\frac{1}{4}$ hrs. Wt. 40,000, rpm 50, pp 1000,
spm 68, bha 19. 23 drlg; $\frac{1}{4}$ surv; 3/4 rr.
- 6/4/76 5650' drlg.; 92' in 24 hrs. Hermosa fm.
 $\frac{1}{4}^{\circ}$ @ 5587'. Md. 10.3, V 41, WL 16, cake 3/32,
ph 9.5, sol. 12%. Bit #7 out @ 5587', 542'
in 95 hrs. Bit #8 7 7/8" Smith SDGH. In @
5587'. 73' in 12 $\frac{1}{2}$ hrs. Wt. 40,000, rpm 60,
pp 1000, spm 68, bha 9. 18 drlg; 5 3/4 trpg;
 $\frac{1}{4}$ rr. 20' high on Hermosa.
- 6/5/76 5752' drlg; 92' in 24 hrs. Upper Ismay fm.
 $\frac{1}{4}^{\circ}$ @ 5700'. Md. 10.3, V 41, WL 20, cake 2/32,
ph 9.5, yp 15, cl 18,000, sol 11%, ss $\frac{1}{2}$ %.
Bit #8 out @ 5700'. 113' in 19 3/4 hrs.
Bit #9 7 7/8" Smith F-3, in @ 5700'; 52' in 10 $\frac{1}{2}$ hrs
Wt. 50,000, rpm 50, pp 1000, spm 68, bha 19.
17 3/4 drlg; 4 3/4 trpg; $\frac{1}{4}$ surv; $\frac{1}{4}$ rr
Top of Ismay 6' high to prognosis.
- 6/6/76 5854' drlg; 102' in 24 hrs. Lower Ismay fm.
Md. 10.3, V 46, WL 14, cake 2/32, ph 11, yp 12,
cl 18,000, sol 11%, ss 1%. Bit #9. 154' in 34 $\frac{1}{4}$ hrs
Wt. 40,000, pp 1000, rpm 50, spm 68, bha 19.
23 3/4 drlg; $\frac{1}{4}$ rr.
- 6/7/76 6005' drlg; 151' in 24 hrs. Desert Creek fm.
Md. 10, V 44, WL 12, cake 2/32, ph 10.5, yp 10,
cl 16,000, sol 9%, ss 0. Bit #9. 305' in 58 hrs.
Wt. 45,000, rpm 50, pp 1000, spm 68, bha 19.
23 3/4 drlg; $\frac{1}{4}$ rr. Anticipated TD @ 6,040. (6130)
- 6/8/76 6110' drlg; 105' in 24 hrs. Desert Creek fm.
Md. 10.4, V 47, WL 12, cake 2/32, ph 10, yp 10,
cl 16,000, sol 9%, ss $\frac{1}{2}$ %. Bit #9; 410' in 81 $\frac{1}{4}$ hrs.
Wt. 40,000, rpm 50, pp 1000, spm 68, bha 19.
23 $\frac{3}{4}$ drlg; $\frac{1}{4}$ rr, $\frac{1}{2}$ pump rep.
- 6/9/76 6148' logging; 38' in 24 hrs. Desert Creek fm.
 $\frac{1}{4}^{\circ}$ @ 6148'; Md. 10.4, V 53, WL 10.4, cake 2/32,
ph 11, yp 12, cl 17,000, sol 11%, ss 1%. Bit #9,
out @ 6148'; 458' in 88 3/4 hrs. Wt. 40,000,
rpm 50, pp 1000, spm 68, bha 19. 7 $\frac{1}{2}$ drlg;
3 trpg; 9 surv.; $\frac{1}{4}$ rr, 4 $\frac{1}{4}$ circ. Strapped out
@ 6148'; no correction. Desert Creek top 6048'.
160' low to prognosis.

6/10/76 6148' TD. P & A. 2 trpg; 2 surv; 1 3/4 circ.;
6 3/4 plugging; 9 WOC; 1 rigging down; 1 1/2 laying
down drill pipe. Rel. rig 6 a.m. today.
Finished running logs, rigged up Howco, set
cmt. plugs: 5785-5935 w/ 55 sx; 4783-4933 w/
75 sx; 3071-3221 w/85 sx; 1780-1980 w/ 135 sx
Left hole open from 1780-surf. for water well
for land owner. Dry hole marker will screw into
csg. collar. Md. from surf. to 1780'.
Log tops: Desert Creek 6042'; B/shale 6030';
Lower Ismay 5984'; Upper Ismay 5860'; Hermosa
4858'; Cutler 3146'.

SKELLY-PLACID

WELL

#1 NORTH ISMAV

SAN JUAN Co, UTAH

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.

	Well File	Dallas	COORDINE			
A. Location Plat						
B. Application for Permit to Drill						
1. State						
(Unapproved)**						
(Approved)						
2. Federal (Form 9-331-C)*						
(Unapproved)**						
(Approved)						
C. Geological Prognosis						
D. Electrical Logs						
1. Field Prints						
2. Final Prints	6/76	6/76	6/76			
E. Core Analysis Reports						
F. Drill Stem Test Reports						
G. Geological Well Completion Report						
H. Other Geological Data (specify)						
1.						
2.						
I. Abandonment Reports						
1. State Abandonment Reports (plugging and log of well)						
(Unapproved)**						
(Approved)						
2. Federal*						
a. Sundry Notices (Form 9-331)						
1. Unapproved**	6/25/76	6/25/76	6/25/76			
2. Approved						
b. Well Completion Report and Log (Form 9-330)	6/25/76	6/25/76	6/25/76			

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

**Applicable only on Placid Operated Wells.

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.)

5. LEASE DESIGNATION AND SERIAL NO.
U-16777

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

North Ismay

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

28 - T39S-R26E

12. COUNTY OR PARISH 13. STATE

San Juan

Utah

1. OIL WELL GAS WELL OTHER Dry Hole

2. NAME OF OPERATOR
Skelly Oil Company

3. ADDRESS OF OPERATOR
Box 3360, Casper, WY 82602

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

1980' FNL & 660' FWL

14. PERMIT NO.

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

5246' GF

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

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

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

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

TD 6148'
Well Plugged as follows:

- 5785'-5935' - 55 sks
- 4783'-4933' - 75 sks
- 3071'-3221' - 85 sks
- 1780'-1980' - 135 sks

Mud placed between all plugs and from 1780' to surface. Well will be left open from 1780' to surface for use as a water well. Dry hole marker screwed into surface csg. collar. Job complete 6/10/76.

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

SIGNED

[Signature]

TITLE

Area Superintendent

DATE

6/14/76

(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 reverse side)

Form approved
Budget Bureau

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Dry Hole	5. LEASE DESIGNATION A
2. NAME OF OPERATOR Skelly Oil Company	6. IF INDIAN, ALLOTTEE U-16777
3. ADDRESS OF OPERATOR Box 3360, Casper, WY 82602	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 1980' FNL & 660' FWL	8. FARM OR LEASE NAME North Ismay
14. PERMIT NO.	9. WELL NO. 1
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5246' GR	10. FIELD AND POOL, OR Wildcat
	11. SEC., T., R., M., OR BLK. SURVEY OR AREA 28-T39S-R26E
	12. COUNTY OR PARISH San Juan

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) <input type="checkbox"/>	
(Other) <input type="checkbox"/>			

(NOTE: Report results of multiple completion on 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 proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers pertinent to this work.)*

This well was drilled to a TD of 6148' and no commercial productive zones were found, and it is planned to P & A as follows in accordance with verbal approval from U.S.G.S. & State of Utah.

- 5785'-5935' - 55 sks.
- 4783'-4933' - 75 sks.
- 3071'-3221' - 85 sks
- 1780'-1980' - 135 sks.

Well to be left open from 1780' to surface for use as water well.

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

SIGNED *Lidi Mays* TITLE *Area Clerk* DATE *6/11/77*
~~Area Superintendent~~

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on reverse side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

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

2. NAME OF OPERATOR

Skelly Oil Company

3. ADDRESS OF OPERATOR

Box 3360, Casper, WY 82602

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

At surface 1980' FNL & 660' FWL
At top prod. interval reported below
At total depth

14. PERMIT NO. _____ DATE ISSUED _____

15. DATE SPUNDED 5/19/76 16. DATE T.D. REACHED 6/8/76 17. DATE COMPL. (Ready to prod.) Dry Hole

18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 5246' GR 19. ELEV. CASINGHEAD _____

20. TOTAL DEPTH, MD & TVD 6148' 21. PLUG, BACK T.D., MD & TVD _____ 22. IF MULTIPLE COMPL., HOW MANY* _____ 23. INTERVALS DRILLED BY _____ ROTARY TOOLS _____

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

Dry Hole

26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Ind. Compensated Neutron & Soniclog

CASING RECORD (Report all strings set in well)

CASING RECORD			CEMENTING RECORD		AMOUNT PULLED
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE		
13 3/8" OD	48#	303'	17 1/2"	350 sks.	None

LINER RECORD				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.	
INTERVAL	SIZE	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

DATE FIRST PRODUCTION None PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Dry Hole WELL STATUS (Producing or shut-in) P & A

DATE OF TEST _____ HOURS TESTED _____ CHOKER 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 [Signature] TITLE Area Superintendent DATE 6/14/76

*(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.
Navajo	1088'	1266'	No Cores or DST
Wingate	1266'	1880'	
Chinelle	1880'	2850'	
Chinarump	2850'	2931'	
Monekopi	2931'	3146'	
Cutler	3146'	4858'	
Hermosa	4858'	5860'	
Upper Ismay	5860'	5984'	
Lower Ismay	5984'	6030'	
Shale	6030'	6042'	
Desert Creek	6042'	6148'	

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Cutler	3146'	
Hermosa	4858'	
Upper Ismay	5860'	
Lower Ismay	5984'	
"B" Shale	6030'	
Desert Creek	6042'	

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.

P1 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 [X] WORK OVER [] DEEP-EN [] PLUG BACK [] DIFF. RESVR. [] Other []

2. NAME OF OPERATOR: Skelly Oil Company

3. ADDRESS OF OPERATOR: Box 3360, Casper, WY 82602

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

At surface: 1980' FNL & 660' FWL

At top prod. interval reported below

At total depth

14. PERMIT NO. 43-037-30285

DATE ISSUED: JUN 17 1976

15. DATE SPUNDED: 5/19/76

16. DATE T.D. REACHED: 6/8/76

17. DATE COMPL. (Ready to prod.): 6-10-76

18. ELEVATIONS (DF, REB, RT, GR, ETC.): 5246' GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD: 6148'

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

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY: 0-6148

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

Dry Hole

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: Dual Ind. Compensated Neutron & Soniclog

27. WAS WELL CORED: No

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

Table with 6 columns: CASING SIZE, WEIGHT, LB./FT., DEPTH SET (MD), HOLE SIZE, CEMENTING RECORD, AMOUNT PULLED. Values: 13 3/8" OD, 48#, 303', 17 1/2", 350 sks., None.

29. LINER RECORD

Table with 8 columns: SIZE, TOP (MD), BOTTOM (MD), SACKS CEMENT*, SCREEN (MD), SIZE, DEPTH SET (MD), PACKER SET (MD).

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

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

Table with 2 columns: DEPTH INTERVAL (MD), AMOUNT AND KIND OF MATERIAL USED.

33.* PRODUCTION

DATE FIRST PRODUCTION: None

PRODUCTION METHOD: Dry Hole

WELL STATUS: P & A

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: Roy J. McWhorter, TITLE: Area Superintendent, DATE: 6/14/76

*(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.

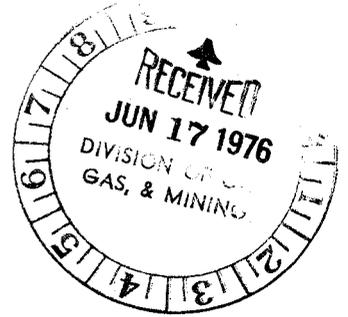
Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

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		38. GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
		TOP	TRUE VERT. DEPTH
Navajo Wingate Chinelle Chinarrump Monokopi Cutler Hermosa Upper Ismay Lower Ismay High Shale Desert Creek	1088' 1266' 1880' 2850' 2931' 3146' 4858' 5860' 5984' 6030' 6042'	1266' 1880' 2850' 2931' 3146' 4858' 5860' 5984' 6030' 6042' 6148'	No Cores or DST
			NAME Butler Hermosa Upper Ismay Lower Ismay High Shale Desert Creek
			MEAS. DEPTH 3146' 4858' 5860' 5984' 6030' 6042'

FORM OGC-8-X
FILE IN QUADRUPLICATE

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



REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name and Number NORTH ISMAY #1
Operator SKELLY OIL COMPANY
Address 1860 Lincoln Street, Denver, Colo. 80203
Contractor ARAPAHOE DRILLING CO.
Address Box 26687 Albuquerque, New Mexico 87125
Location SW 1/4, NW 1/4, Sec. 28 ; T. 39 N; R. 26 E, San Juan County
(S) W

Water Sands:

	Depth: From- To-	Volume: Flow Rate or Head -	Quality: Fresh or Salty -
1.	<u>990 - 1150</u>	<u>no Flow (Sands appear on log.)</u>	
2.	<u>1266 - 1620</u>	<u>no Flow (Sands appear on log.)</u>	
3.			
4.	<u>3720 - 3780</u>	<u>water flow of 1861 per. min (Salt water, 40,000 PPM chloride), test taken by mud loggers shut in Press. 85 PSIG against hole full of 9.1 mud.</u>	
5.			

Elevation = 5259

Formation Tops:	<u>Navajo 1088</u>	<u>MOENKOPI 2931</u>	<u>B Shale 6030</u>
	<u>Wingate 1266</u>	<u>Cutler 3146</u>	<u>Desert Creek 6042</u>
	<u>Chinle 1880</u>	<u>Hermosa 4858</u>	
	<u>Shinarump 2850</u>	<u>Upper Ismay 5860</u>	<u>T.D. 6148</u>
		<u>Lower Ismay 5984</u>	

- NOTE:
- (a) Upon diminishing supply of 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.
 - (c) If a water quality 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 re-
verse side)

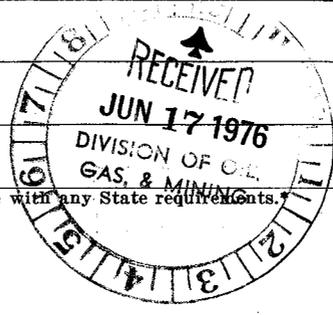
Form approved.
Budget Bureau No. 42-R1424.

✓

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. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Dry Hole		5. LEASE DESIGNATION AND SERIAL NO. U-16777
2. NAME OF OPERATOR Skelly Oil Company		6. IF INDIAN ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR Box 3360, Casper, WY 82602		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 1980' FWL & 660' FWL		8. FARM OR LEASE NAME North Ismay
14. PERMIT NO.		9. WELL NO. 1
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5246' GF		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R. M., OR BLK. AND SURVEY OR AREA 28 - T395-R26E
		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 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.)*

TD 6148'
Well Plugged as follows:

5785'-5935' - 55 sks
4783'-4933' - 75 sks
3071'-3221' - 85 sks
1780'-1980' - 135 sks

Mud placed between all plugs and from 1780' to surface. Well will be left open from 1780' to surface for use as a water well. Dry hole marker screwed into surface csg. collar. Job complete 6/10/76.

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

SIGNED *Foy J. McWhorter* TITLE Area Superintendent DATE 6/14/76

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



SKELLY OIL COMPANY

CIRCULATE TO:
DIRECTOR
PETROLEUM ENGINEER
MINE COORDINATOR
ADMINISTRATIVE ASSISTANT
ALL

DENVER E & P DISTRICT

February 1, 1977

RETURN TO *Gatby*
FOR FILING



ADDRESS REPLY TO:
1088 LINCOLN TOWER BUILDING
1860 LINCOLN STREET
DENVER, COLORADO 80203

Re: Merger of Skelly Oil Company
and Getty Oil Company

Utah Division of Oil and Gas Conservation
1588 West, North Temple
Salt Lake City, Utah 84116

Gentlemen:

Effective at midnight, Eastern Standard Time, January 31, 1977, Skelly Oil Company ("Skelly") was merged with and into Getty Oil Company ("Getty"), with Getty being the surviving corporation. Both corporations were Delaware corporations and the merger took place under the laws of the State of Delaware.

Getty, as the surviving corporation, by operation of law and without further act or deed, became vested with all the properties, rights, powers and interests belonging to or due to Skelly, and Getty became bound by all restrictions, obligations, duties and limitations with respect to such properties, rights, powers and interests formerly belonging to Skelly and by all other debts, liabilities and duties of Skelly, and they may be enforced against Getty to the same extent as if originally incurred or contracted by it.

Please note your records to reflect the merger as of the aforementioned effective date and henceforth please cause all notices, communications, correspondence, billings and payments to be made to Getty Oil Company. However, all of these should be sent to the address of the former Skelly office and to the attention of the former Skelly personnel with whom you have previously dealt, except as you are otherwise specifically notified.

Very truly yours,

GETTY OIL COMPANY

By *R. D. Morris*
District E & P Manager