

**SKYLINE**   
**Oil Company**

A TEXAS EASTERN COMPANY

November 7, 1980

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

**RECEIVED**

NOV 10 1980

DIVISION OF  
OIL, GAS & MINING

Attention: E. W. Guynn  
District Engineer

Re Application For Permit To Drill, Skyline Oil  
Company Federal-Mounds # 11-1, SE SW, 1398'  
FWL, 1135' FSL, Section 11, T. 16 S., R. 11 E.,  
Emery County, Utah

---

Gentlemen:

Submitted herewith, in triplicate, for your consideration and approval are the following:

1. Application For Permit To Drill, Form 9-311C.
2. Well Location - Survey Plat.
3. Ten Point Program, Attachment "A" to Item 1.
4. NTL-6 - Multipoint Requirement To Accompany APD.

The Archeological Survey of the location will be done early next week and the report forwarded as soon as it is received.

Very truly yours,



Richard N. Reed  
Senior Engineer

✓cc: State of Utah  
Division of Oil, Gas and Mining  
1588 West North Temple  
Salt Lake City, Utah 84116

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  
 SKY LINE OIL COMPANY

3. ADDRESS OF OPERATOR  
 2000 University Club Building, Salt Lake City, Utah 84111

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)  
 At surface  
 1398' FWL, 1135' FSL Section 11, T.16 S., R.11 E., SLB&M  
 At proposed prod. zone Same SE SW

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 10.6 miles SE of Wellington, Utah

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
 1200' SE of a dry hole

16. NO. OF ACRES IN LEASE  
 880

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 640

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

19. PROPOSED DEPTH  
 7600' *Manning Canyon*

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 5373' Ground

22. APPROX. DATE WORK WILL START\*  
 12-29-80

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13-3/8"	48#	100' ±	To Surface
12 1/4"	10-3/4"	40.5#	2,100' ±	To Surface
9-7/8"	5 1/2"	15.5# & 17#	7,600' ±	550 Sx

SEE ATTACHMENT "A"

APPROVED BY THE DIVISION  
 OF OIL, GAS, AND MINING  
 DATE: 12-4-80  
 BY: M. J. Minder

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.

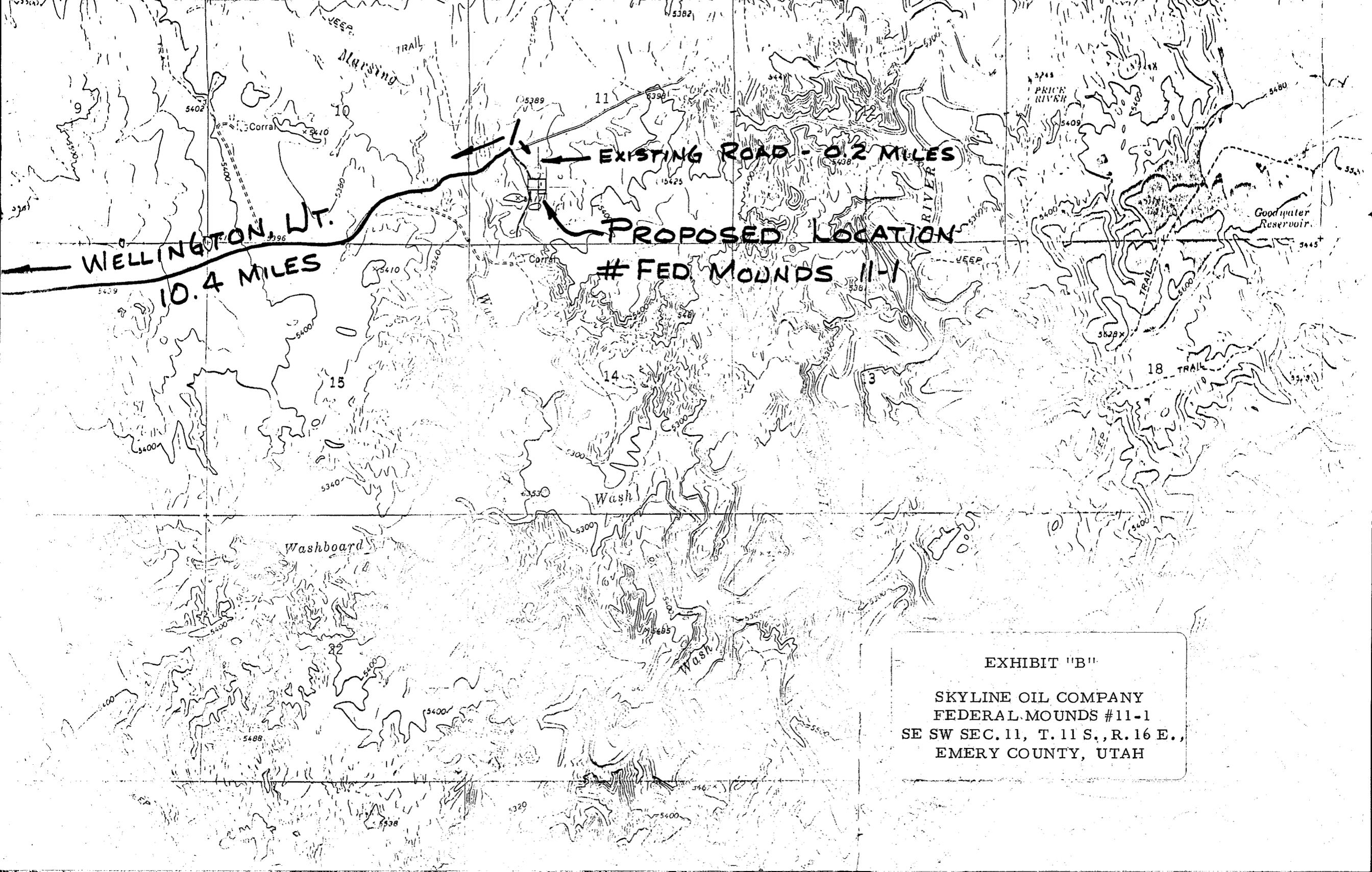
24. SIGNED Richard N. Reed TITLE Senior Engineer DATE 11-7-80

(This space for Federal or State office use)

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

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





WELLINGTON, UT.  
10.4 MILES

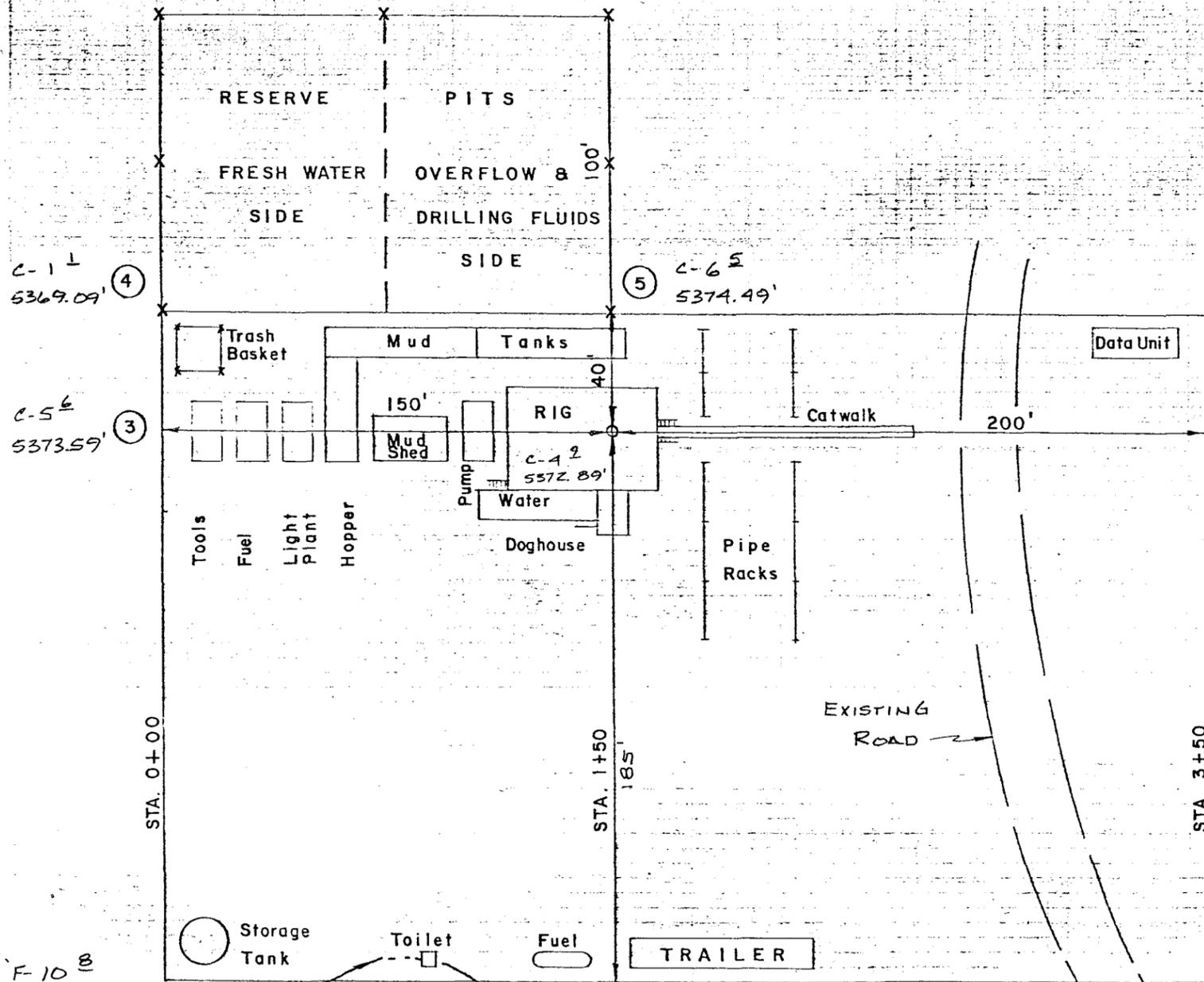
EXISTING ROAD - 0.2 MILES

PROPOSED LOCATION

# FED. MOUNDS 11-1

EXHIBIT "B"  
SKYLINE OIL COMPANY  
FEDERAL MOUNDS #11-1  
SE SW SEC. 11, T. 11 S., R. 16 E.,  
EMERY COUNTY, UTAH

# SKYLINE OIL CO.



C-1 L  
5369.09' (4)

C-5 L  
5373.59' (3)

C-6 E  
5374.49' (5)

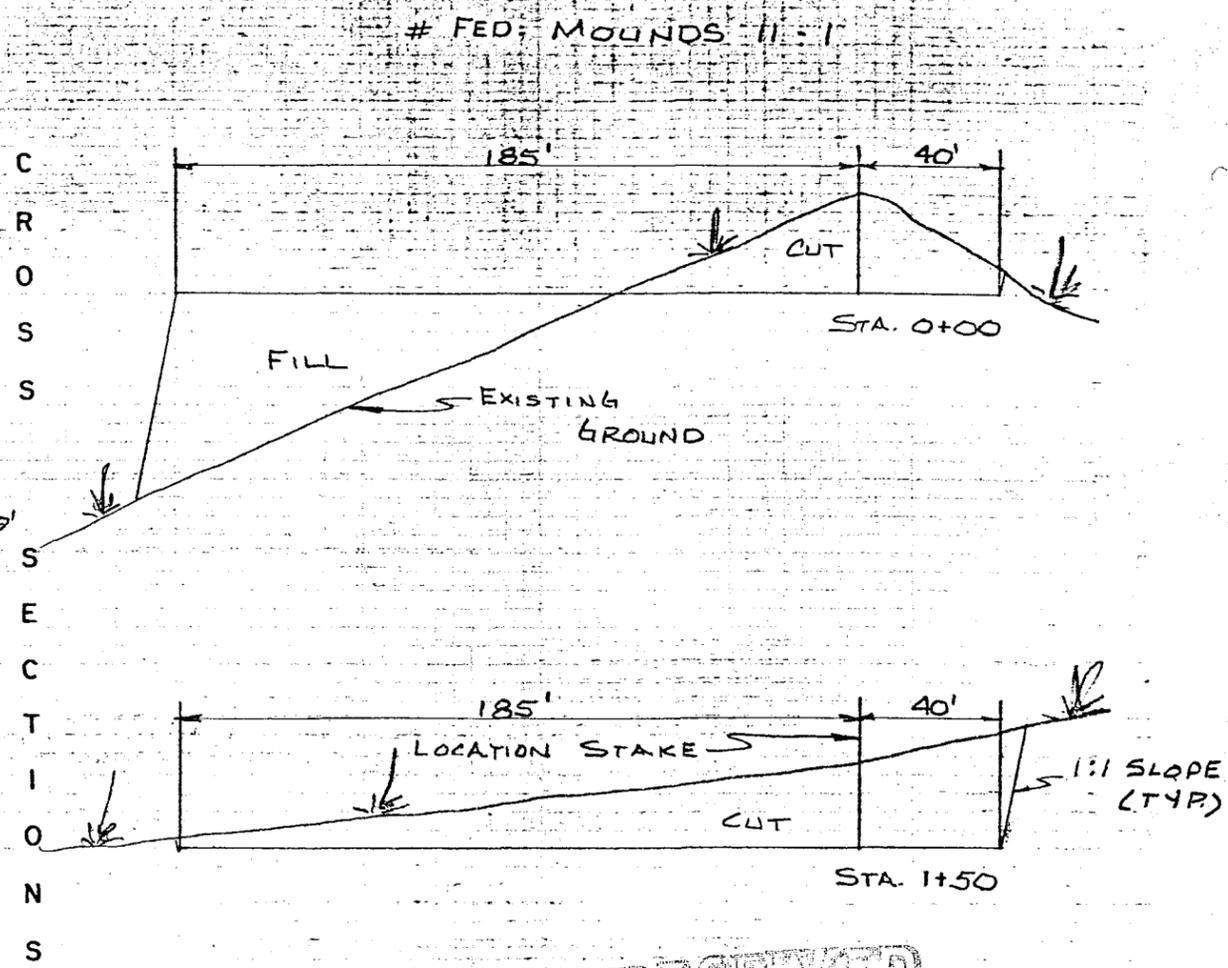
F-10 B  
5357.19' (2)

C-0 2  
5368.89' (1)

F-0 3  
5367.69' (6)

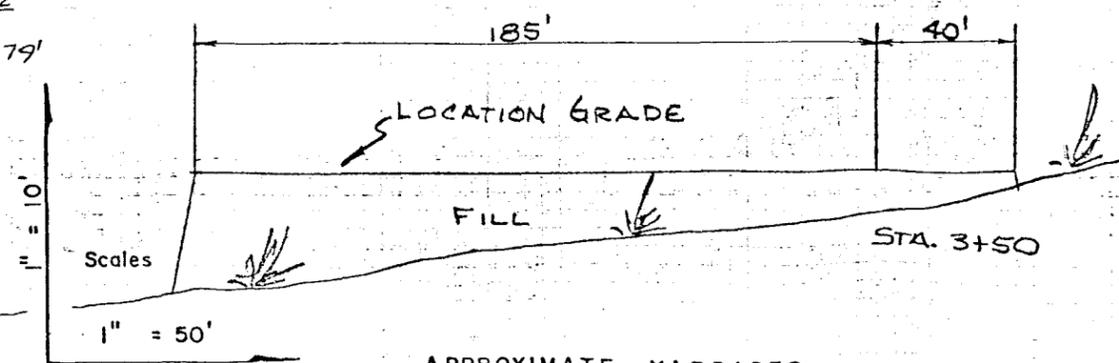
F-2 0  
5365.99' (7)

F-6 2  
5361.79' (8)



RECEIVED

DIVISION OF OIL, GAS & MINING

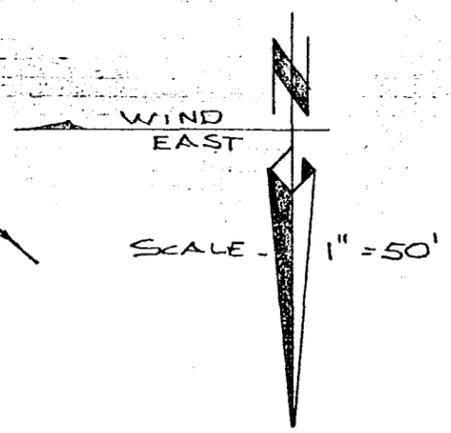
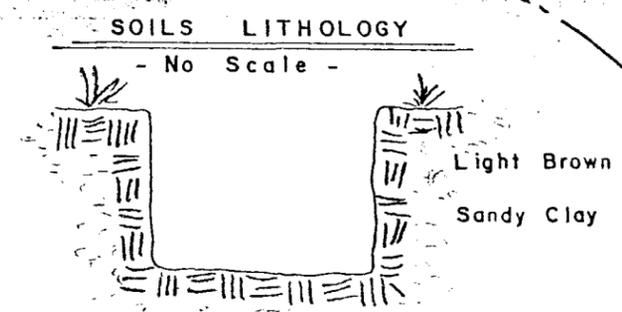


APPROXIMATE YARDAGES

Cubic Yards Cut - 5,947  
Cubic Yards Fill - 5,068

EXHIBIT "E"

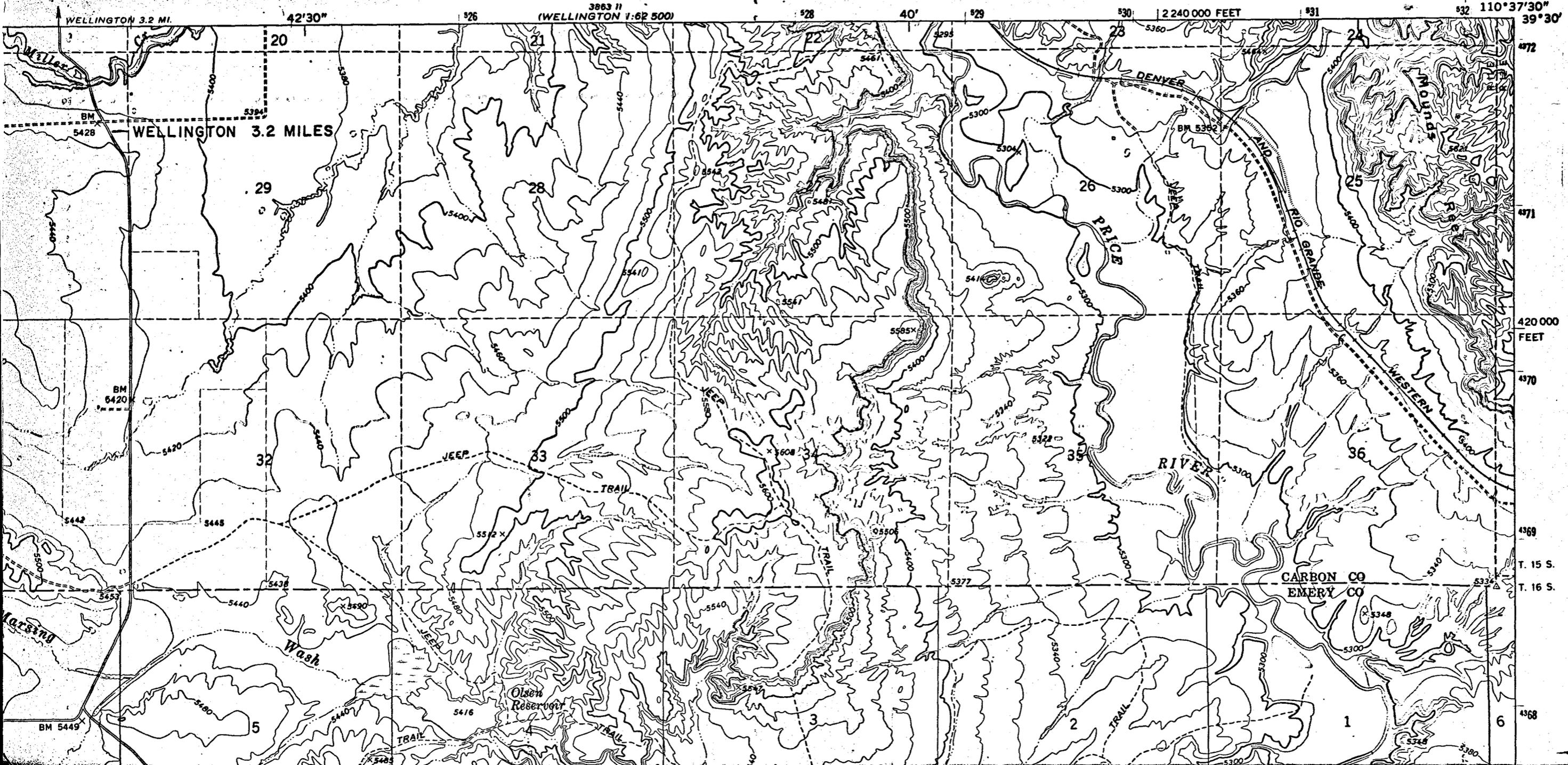
SKYLINE OIL COMPANY  
FEDERAL MOUNDS #11-1  
SE SW SEC. 11, T. 11 S., R. 16 E.,  
EMERY COUNTY, UTAH



STATE OF UTAH  
UTAH GEOLOGICAL AND MINERALOGICAL SURVEY

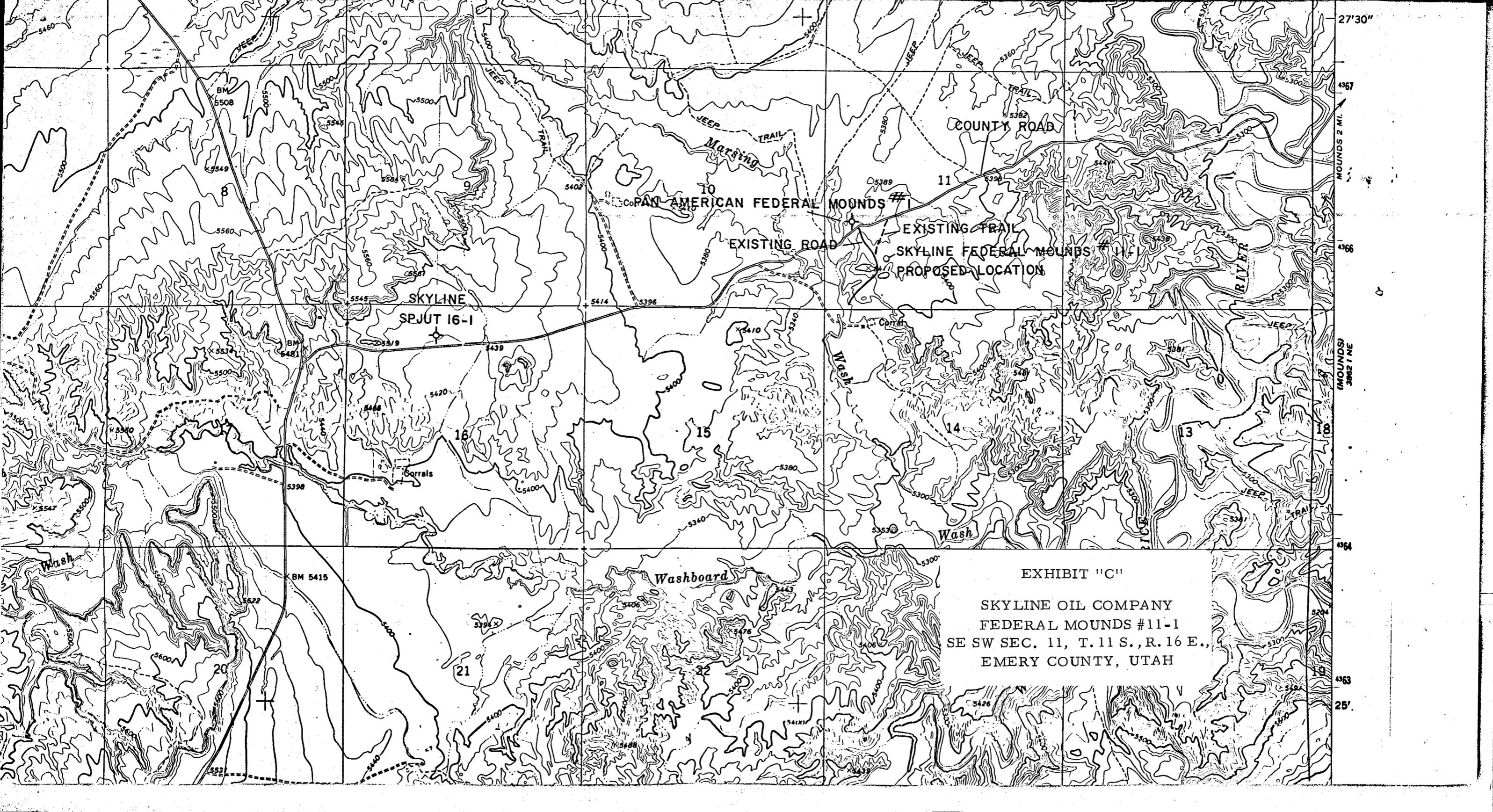
OLSEN RESERVOIR QUADRANGLE  
UTAH  
7.5 MINUTE SERIES (TOPOGRAPHIC)

2863 11  
(WELLINGTON 1:62 500)



CARBON CO  
EMERY CO

T. 15 S.  
T. 16 S.



27'30"

4367  
MOUNDS 2 MI.

4366

(MOUNDS)  
3962 1 NE

10

4364

5294

4363

25'

EXHIBIT "C"  
SKYLINE OIL COMPANY  
FEDERAL MOUNDS #11-1  
SE SW SEC. 11, T.11 S., R.16 E.,  
EMERY COUNTY, UTAH

COUNTY ROAD

EXISTING ROAD

EXISTING TRAIL

PROPOSED LOCATION

SKYLINE  
SPJUT 16-1

TO  
SKYLINE FEDERAL MOUNDS #11-1

Washboard

Wash

RIVER

Maring

BM  
5508

BM  
5481

BM 5415

8

16

15

14

13

20

21

22

19

11

5389

5394

5402

5414

5396

5410

5420

5380

5340

5353

5300

5300

5489

5487

5534

5540

5468

5545

5584

5545

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

5500

\*\* FILE NOTATIONS \*\*

DATE: Nov. 21, 1980  
OPERATOR: Skyline Oil Company  
WELL NO: Federal Mounds 11-1  
Location: Sec. 11 T. 16S R. 11E County: Emery

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

API Number 43-015-30077

CHECKED BY:

Petroleum Engineer: M. J. Minder 12-4-80

Director: OK Topo exception under Rule C-3 will send letter BLM requested this location.

Administrative Aide: \_\_\_\_\_

APPROVAL LETTER:

Bond Required:  Survey Plat Required:   
Order No. \_\_\_\_\_ O.K. Rule C-3

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

(2)

Lease Designation Fed. Plotted on Map

Approval Letter Written

Hot Line  P.I.

**SKYLINE**   
**Oil Company**

A TEXAS EASTERN COMPANY

MAX D. ELIASON  
SENIOR VICE PRESIDENT

November 25, 1980

State of Utah  
Department of Natural Resources  
Division of Oil, Gas and Mining  
1588 West North Temple  
Salt Lake City, Utah 84116

Attention: Mr. Cleon B. Feight

Re Exception Location For Skyline Oil Company's  
Federal Mounds # 11-1, Section 11, T. 16 S.,  
R. 11 E., SLB&M, Emery County, Utah

Gentlemen:

An Exception to Rule C-3 is requested for the above-captioned well based on topographical and geological considerations.

The Archaeological Survey of the proposed location, a copy of which is in the possession of the Utah State archaeologist, recommended that the well location be moved 25 meters northwest of our originally proposed location. This results in the location being moved 60 feet west and 60 feet north and places the location closer to the line of the quarter-quarter section.

The entire southwest quarter of Section 11 is a common lease held by Skyline Oil Company.

Please advise us as to any other actions we should take with respect to this request.

Very truly yours,

*Max D. Eliason*

Max D. Eliason

RECEIVED

NOV 23 1980

DIVISION OF  
OIL, GAS & MINING

December 9, 1980

Skyline Oil Company  
2000 University Club Building  
Salt Lake City, Utah 84111

Re: Well No. Federal Mounds 11-1  
Sec. 11, T. 16S, R. 11E  
Emery County, Utah

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

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

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

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

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

The API number assigned to this well is 43-015-30077.

Sincerely,

DIVISION OF OIL, GAS, AND MINING

Michael T. Minder  
Petroleum Engineer

/ka  
cc: USGS

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

5. LEASE DESIGNATION AND SERIAL NO.  
U-12864

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Federal Mounds

9. WELL NO.  
11-1

10. FIELD AND POOL, OR WILDCAT  
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 11, T. 16 S., R. 11 E.

12. COUNTY OR PARISH  
Emery

13. STATE  
Utah

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
DRILL  DEEPEN  PLUG BACK

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

2. NAME OF OPERATOR  
SKYLINE OIL COMPANY

3. ADDRESS OF OPERATOR  
2000 University Club Building, Salt Lake City, Utah 84111

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface  
1338 FWL, 1135 FSL, Section 11, T. 16 S., R. 11 E., SLB&M  
At proposed prod. zone Same *Location change*

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
10.6 miles SE of Wellington, Utah

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
1200' SE of a dry hole

16. NO. OF ACRES IN LEASE  
880

17. NO. OF ACRES ASSIGNED TO THIS WELL  
640

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
7600'

20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5373' Ground

22. APPROX. DATE WORK WILL START\*

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13-3/8"	48#	100' ±	To Surface
12 1/4"	10-3/4"	40.5#	2,100' ±	To Surface
9-7/8"	5 1/2"	15.5# & 17#	7,600' ±	550 Sx

SEE ATTACHMENT "A"

RECEIVED

DEC 16 1980

DIVISION OF OIL, GAS & MINING

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 Richard N. Reed TITLE Senior Engineer DATE 11-7-80

(This space for Federal or State office use)

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

APPROVED BY WJ Martin TITLE FOR E. W. GYNN DISTRICT ENGINEER DATE DEC 15 1980

CONDITIONS OF APPROVAL, IF ANY:

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

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

NOTICE OF APPROVAL

*State Oil & Gas* Production Facilities and Flowline NOT Approved

SKYLINE OIL CO.

# FED. MOUNDS 11-1

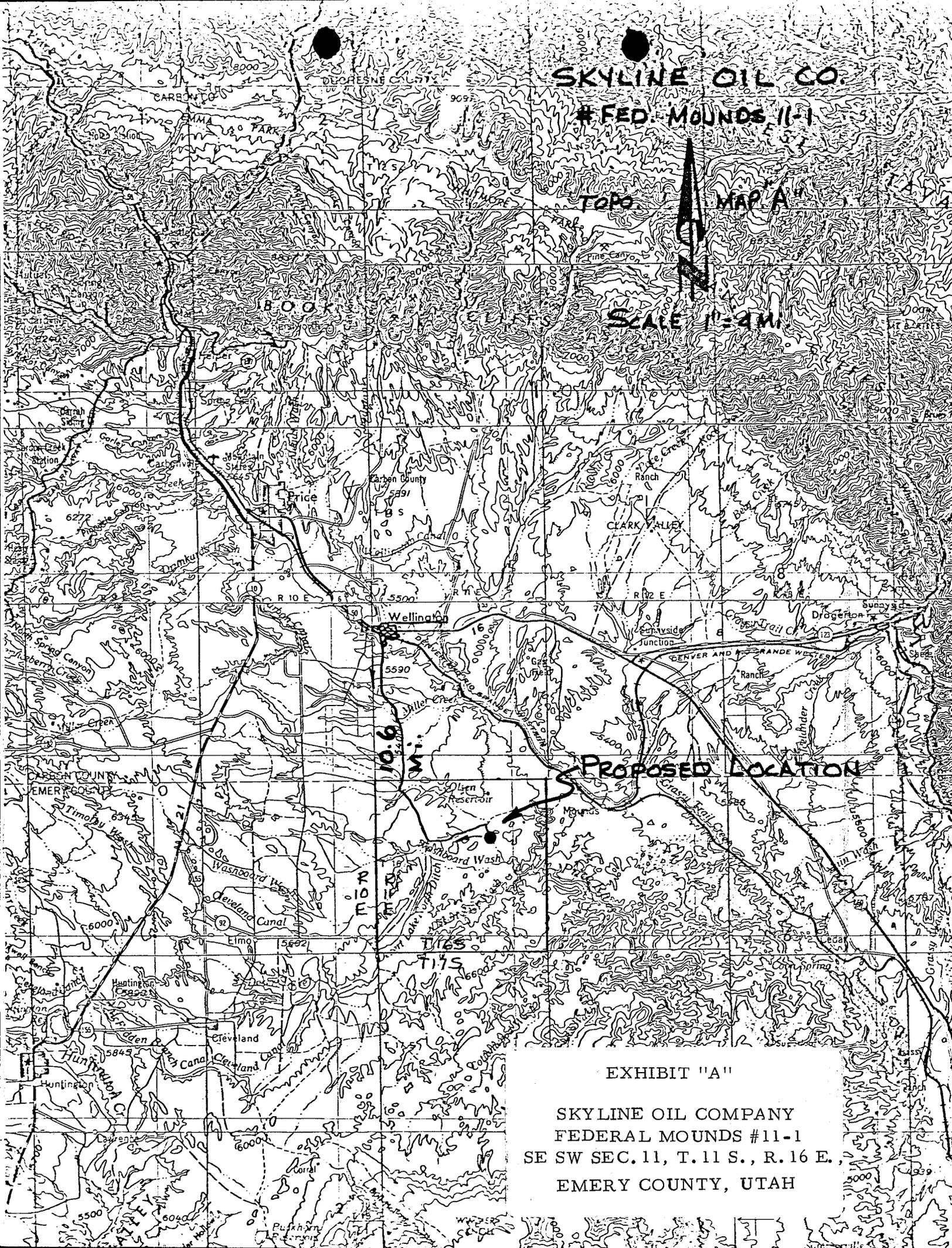
T10E

MAP "A"



SCALE 1"=2MI

BOOK



10.6  
W.  
FOR  
WATER

PROPOSED LOCATION

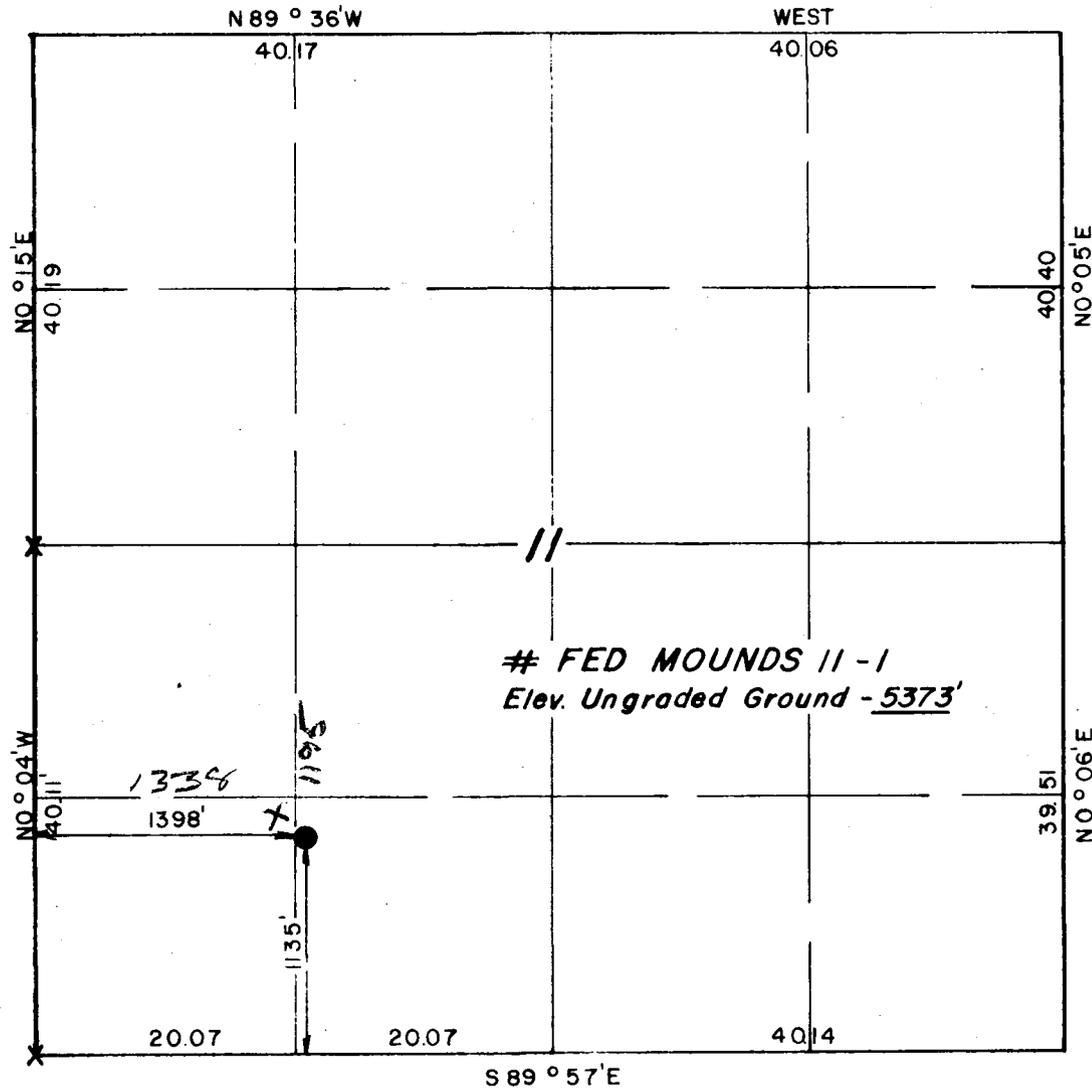
EXHIBIT "A"

SKYLINE OIL COMPANY  
FEDERAL MOUNDS #11-1  
SE SW SEC. 11, T. 11 S., R. 16 E.,  
EMERY COUNTY, UTAH

T16S, R11E, S.L.B.&M.

PROJECT  
**SKYLINE OIL CO.**

Well location, # **FED MOUNDS**  
// - / located as shown in the SE 1/4  
SW 1/4 Section II, T16S, R11E, S.L.B.&M.  
Emery County, Utah.



CERTIFICATE

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

*Lawrence E. Ken*

REGISTERED LAND SURVEYOR  
REGISTRATION NO 3137  
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING  
P.O. BOX Q - 110 EAST - FIRST SOUTH  
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 10 / 21 / 80
PARTY BK RK FO	REFERENCES GLO Plat
WEATHER Clear - Cool	FILE SKYLINE OIL

X = Section Corners Located

ATTACHMENT "A"

SKYLINE OIL COMPANY  
 FEDERAL MOUNDS #11-1  
 SE SW SEC. 11, T. 11 S., R. 16 E.,  
 EMERY COUNTY, UTAH

1. The Geologic Name of the Surface Formation:

Dakota Formation

2. Estimated Tops of Important Geologic Markers:

Curtis	1,460'
Entrada	1,590'
Navajo	2,480'
Wingate	2,985'
Chinle	3,375'
Moenkopi	3,365'
Sinbad	4,260'
Kaibab	4,720'
White Rim	4,855'
Oquirrh	5,525'
Manning Canyon	6,600'

3. The Estimated Depths at Which Anticipated Water, Oil or Other Mineral Bearing Formations are Expected to be Encountered:

Water	Navajo	2,480'
	White Rim	4,855'
Gas	Manning Canyon	6,600'

4. Proposed Casing Program:

<u>String</u>	<u>Size/Weight/Grade</u>	<u>Condition</u>	<u>Depth Interval</u>
Conductor	13-3/8" 48# H-40	New	0 - 100' <sup>+</sup>
Surface	10-3/4" 40.5# K-55	New	0 - 2100' <sup>+</sup>
Production	5 1/2" 15.5# K-55	New	0 - 7000'
	5 1/2" 17# K-55	New	7000' - TD

5. Minimum Specifications for Pressure Control Equipment:

A. Casinghead Equipment:

Lowermost Head:	10-3/4" LT&C X 10" 3000 PSI
Tubinghead:	10" 3000 PSI X 6" 3000 PSI
Adapter & Tree:	6" 3000 PSI X 2 1/2" 3000 PSI
Valves:	1 - 2 1/2" 3000 PSI & 2 - 2" 3000 PSI

B. Blowout Preventers:

Refer to attached drawing "BOP Requirements".

C. Testing:

Stack will be tested to 2000 PSI prior to drilling under surface and prior to drilling into the Manning Canyon Formation. Operational checks will be made periodically.

6. Drilling Mud Program:

- A. Low solids non-dispersed mud 8.4 - 8.9 PPG weight, 32 - 36 viscosity with no water loss control will be utilized to 2100' <sup>±</sup>
- B. From 2,100' <sup>±</sup> to TD a low solids non-dispersed mud 8.7 - 9.0 PPG weight, 34 - 45 viscosity with water loss maintained at 10 cc or less will be utilized. In this interval mud weight and viscosity will be maintained at minimum levels compatible with hole conditions.

7. Auxiliary Control Equipment:

- A. Kelly cocks will be used.
- B. A full opening safety valve with drill pipe threads, in the open position, will be on the rig floor at all times.
- C. A bit float will not be used unless conditions dictate.
- D. A flowline sensor and PVT will be utilized.

8. Testing, Coring and Logging Programs:

- A. Drill stem tests.

Manning Canyon if warranted.

- B. Cores.

Manning Canyon - approximately 7200' to 7250'

- C. Logs.

Dual Induction Laterolog, Compensated Neutron-Formation Density and Borehole compensated sonic 2100' <sup>±</sup> to TD. Gamma Ray will be run from surface to TD.

9. No abnormal pressures, temperatures or hazards are anticipated.
10. It is anticipated that drilling operations will commence December 29, 1980 utilizing a rat hole rig. This rig will drill 100' <sup>+</sup>/<sub>-</sub> of 17½" hole, set and cement 100' <sup>+</sup>/<sub>-</sub> of 13-3/8" casing. A large rotary rig will be moved in within 50 days of move out of the rat hole rig and complete the drilling in approximately 45 days.

Attachment

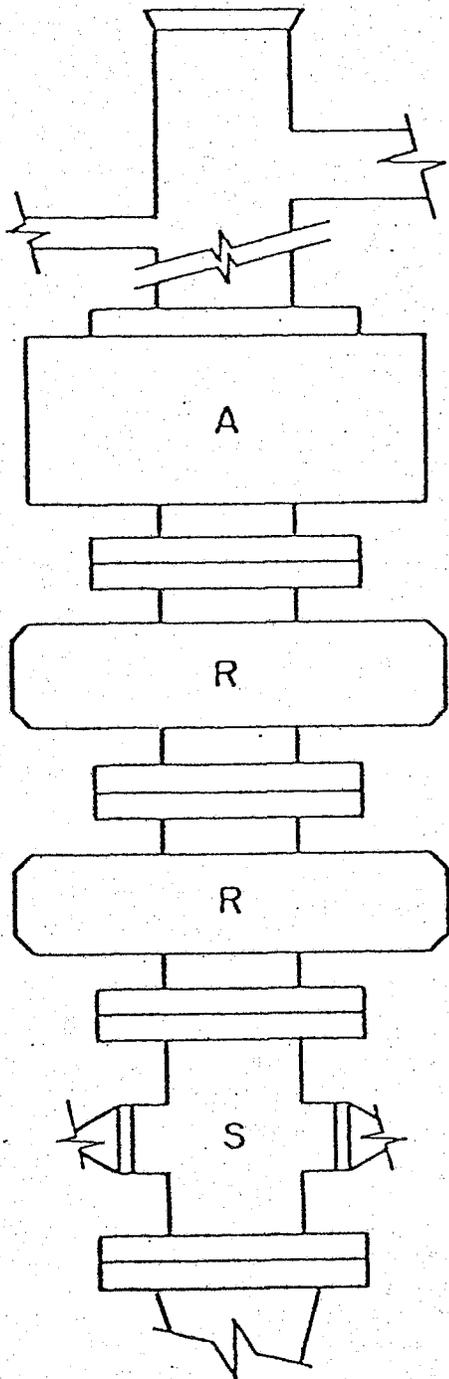


FIG. 2.C.5

ARRANGEMENT SRRA  
Double Ram Type Preventers,  $R_d$ , Optional.

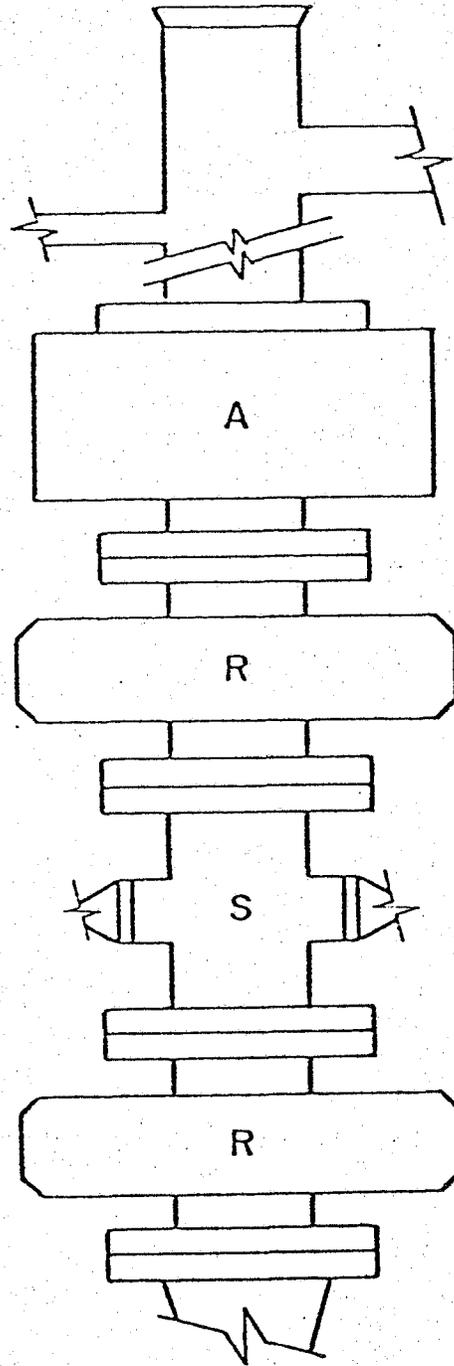


FIG. 2.C.6

ARRANGEMENT RSRA

TYPICAL BLOWOUT PREVENTER  
ARRANGEMENTS FOR 3M AND 5M RATED  
WORKING PRESSURE SERVICE—  
SURFACE INSTALLATION

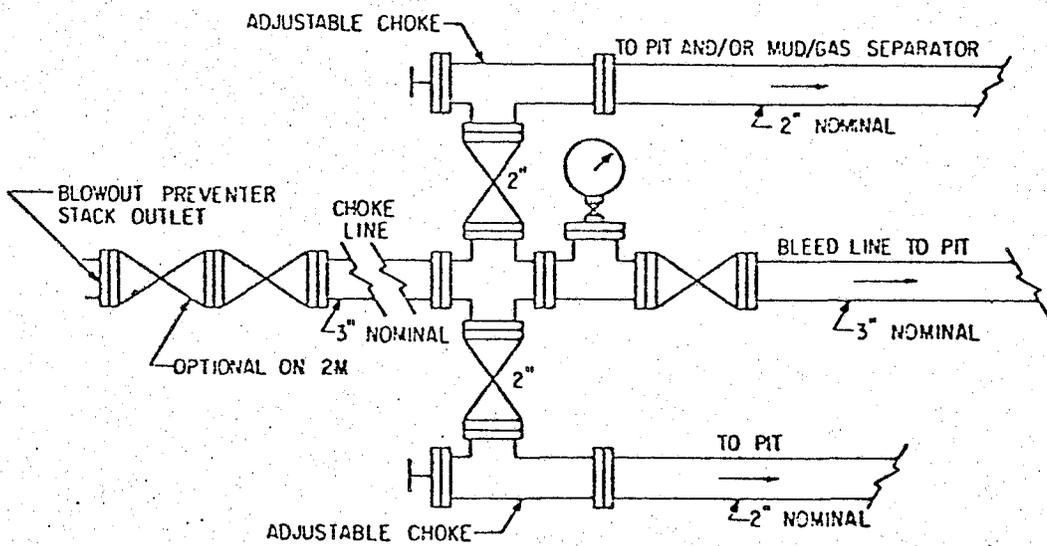
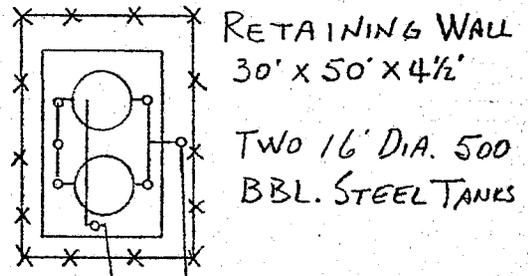
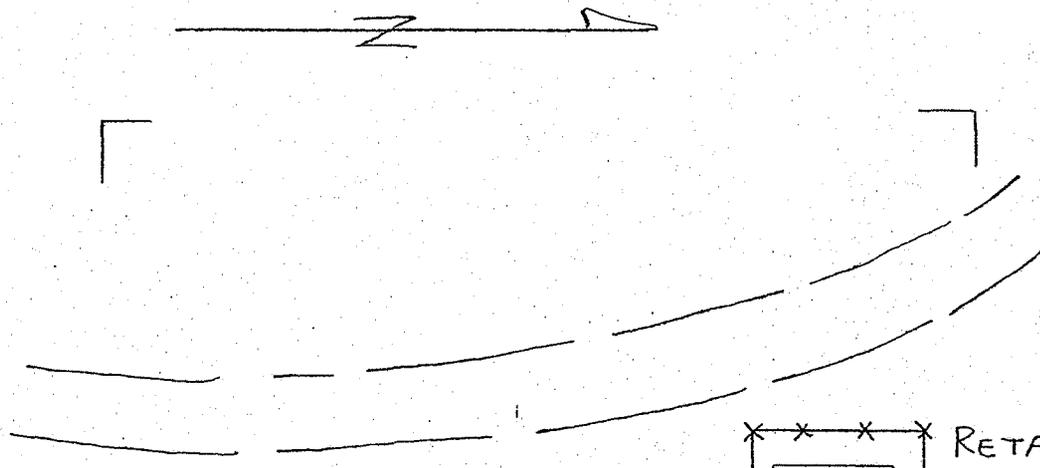
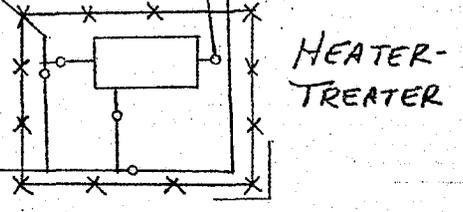


FIG. 3.A.1

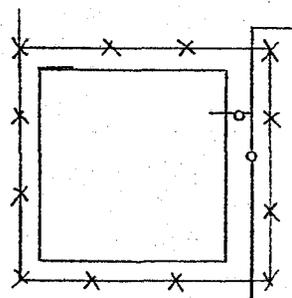
TYPICAL CHOKE MANIFOLD ASSEMBLY  
 FOR 2M AND 3M RATED WORKING  
 PRESSURE SERVICE - SURFACE INSTALLATION



WELL



PRODUCTION  
PIT 50' x 50'



BURN PIT  
20' x 20'

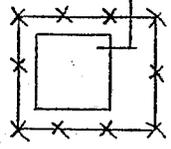


EXHIBIT "D"

SKYLINE OIL COMPANY  
FEDERAL MOUNDS #11-1  
SE SW SEC. 11, T.11 S., R.16 E.,  
EMERY COUNTY, UTAH

GOVERNMENT DIRECTED MULTIPOINT PROGRAM  
TO ACCOMPANY APPLICATION FOR PERMIT TO DRILL  
PROPOSED EXPLORATORY WELL  
SKYLINE OIL COMPANY  
FEDERAL MOUNDS #11-1 SE SW Sec. 11, T. 11 S., R. 16 E.

1. Existing Roads - Exhibits "A" & "B"

- A. Topo Maps "A" & "B" show the well site as staked and its position relative to existing roads and topography.
- B. To reach the drill site, turn south off State Route 6 in Wellington, Utah onto Miller Creek Road. Go south on Miller Creek Road approximately 5.2 miles to gravel road on left. Turn left on gravel road and go approximately 2.1 miles to gravel road on left. Turn left on gravel road and go approximately 2.5 miles to location access road on right. The access road is an existing road.
- C. Existing roads are shown in black on Exhibits "A" and "B".
- D. The county roads are graveled and are all weather roads.
- E. No maintenance or improvements to existing roads are planned. Grading will be done if necessary.

2. Planned Access Road - Exhibit "B"

Access road will be 16' wide and approximately 200' long. No turnouts are planned, no gate entered and no fences crossed. No major cut or fill is required. If a permanent road is required, surface will be elevated, crowned, ditched and drainage installed as needed. Gravel will be used as surfacing material.

3. Location of Existing Wells - Exhibit "C"

Existing wells within a two-mile radius of proposed locations are shown on Exhibit "C".

4. Location of Existing and/or Proposed Facilities - Exhibit "D"

- A. Lessee has no existing facilities within a one-mile radius of the proposed location.

- B. The proposed production layout is detailed in Exhibit "D" at a 1"=50' scale. Production and burn pits will be fenced with top flagging over production pit. The two 500 barrel tanks will be inside a 50' x 30' x 4.5' retaining wall to prevent contamination in the unlikely event of a tank rupture. This retaining wall will be fenced. Flow lines will be buried and have a working pressure greater than the pressure to be applied.
- C. Disturbed area not required for production operations will be restored in such a manner as practicable to conform to the original topography. Top soil will be redistributed evenly to the disturbed unused area and re-seeded as per Bureau of Land Management requirements.

5. Location and Type of Water Supply

Water will be hauled from Marsing Wash .3 miles west of location along county road.

6. Source of Construction Materials

- A. No construction materials not available at the drill site will be required during drilling operations. For a producing well, gravel purchased from an approved source will be used in building the pulling unit pad and in making the well site and access road serviceable under all weather conditions.
- B. Materials will not be obtained from Federal or Indian lands.
- C. No access road will be needed other than that leading from the county road and existing road to the drill site as shown on Exhibit "A".

7. Methods of Waste Disposal

- A. All waste material created by drilling operations, garbage, and trash will be placed or transferred to burn pit and burned if combustible and pit subsequently filled with four to six feet of earth. Burn and trash pit will be fenced with small mesh wire to prevent wind scattering debris. Other waste material -- cuttings, water, drilling fluids, etc. -- created by drilling operations will be placed in reserve pit and pit will be fenced at rig moveout. Fluids produced while completing well will be stored in tanks.
- B. When sufficient time has lapsed for liquid wastes in pits to dry, they will be backfilled as close to original contour as practicable,

topsoil spread and re-seeded as per Bureau of Land Management requirements.

- C. Sewage disposal will be by means of self-contained chemical toilets.

8. Ancillary Facilities

None.

9. Well Site Layout - Exhibit "E"

Exhibit "E" shows the well site plan and cross-sections showing amount of cut and fill required. Reserve pit, burn pit and trash pit will be unlined.

10. Plans for Restoration of Surface

- A. Unused surface will be restored to its present condition and contour as nearly as is practicable, with all waste material buried or burned (with proper permits) and with all pits filled.
- B. Unused disturbed lands will be covered by stockpiled top soil and re-seeded according to the season and to Bureau of Land Management instructions.
- C. At the time of rig release, all pits will be fenced and so maintained until pits are back-filled.
- D. Any oil on pits will be removed and pits will be overhead flagged.
- E. Rehabilitation will begin as soon as practicable after rig move out and will be completed when pits have dried and the season allows re-seeding.

11. Other Information

- A. The location and road will be along essentially flat areas consisting of rock and wash material. Most of the area to be disturbed has little soil development.
- B. Vegetation includes sagebrush, locoweed and a few native grasses. Fauna consists of rabbits, ground squirrels, lizards of various types not exceeding 12 inches in length, and assorted flying and crawling insects.

- C. Grazing is the only surface use activity in the immediate area of the location.
- D. No dwellings of any kind exist in the area and no archeological, historical or cultural sites are apparently present.
- E. Marsing Wash is approximately 1300' southwest of the location.
- F. The leasehold acreage is Federal with surface administered by the Bureau of Land Management. The well is located on Lease U-12864 with Skyline Oil Company, Operator, Lessee of Record. The existing access road traverses only land under lease to Skyline Oil Company.

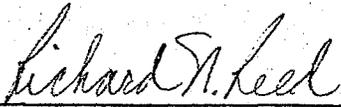
12. Lessee's or Operator's Representative

Skyline Oil Company's representatives are Richard N. Reed or Reed G. Spjut, 2000 University Club Building, Salt Lake City, Utah 84111, telephone (801) 521-3500.

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 Skyline Oil Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Senior Engineer

NAME: DISTRICT GEOLOGIST, SALT LAKE CITY, UTAH

ADDRESS: DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-12864

OPERATOR: Styline Oil

WELL NO. 11-1

LOCATION: NW 1/4 SE 1/4 SW 1/4 sec. 11, T. 16S, R. 11E., SLM  
Emery County, Utah

1. Stratigraphy: Operator tops seem reasonable

Dakota	surface		
Morrison	< 300'		
Curtis	1460'	Moenkopi	3365'
Entrada	1570'	Sinbad	4260'
Navajo	2480'	Kaibab	4720'
Wingate	2785'	White Rim	4855'
Chinle	3375'	Cquirrh	5525'
		Manning Canyon	6600'
		<u>TA</u>	<u>7660'</u>

2. Fresh Water:

Possible to 1000' in Morrison sandstones.  
 (Probably useable rather than fresh)

3. Leasable Minerals:

None expected

4. Additional Logs Needed: Adequate

5. Potential Geologic Hazards: None expected

6. References and Remarks:

Signature: Gregory W. Wood

Date: 11 - 20 - 80

Date 12/3/42

Memorandum

To: District Oil and Gas Engineer, Mr. Edward Guynn

From: Mining, Supervisor, Mr. Jackson W. Moffitt

Subject: Application for Permit to Drill (form 9-331c) Federal oil and gas lease No. 11-12-864 Well No. 11-1

1. The location appears potentially valuable for:

- strip mining\*
- underground mining\*\*
- has no known potential.

2. The proposed area is

- under a Federal lease for \_\_\_\_\_ under the jurisdiction of this office.
- not under a Federal lease under the jurisdiction of this office.

3.  Please request the operator to furnish resistivity, density, Gamma-Ray, or other appropriate electric logs covering all formations containing potentially valuable minerals subject to the Mineral Leasing Act of 1920.

\*If location has strip mining potential:

Surface casing should be set to at least 50 feet below the lowest strip minable zone at \_\_\_\_\_ and cemented to surface. Upon abandonment, a 300-foot cement plug should be set immediately below the base of the minable zone.

\*\*If location has underground mining potential:

The minable zones should be isolated with cement from a point 100 feet below the formation to 100 feet above the formation. Water-bearing horizons should be cemented in like manner. Except for salines or water-bearing horizons with potential for mixing aquifers, a depth of 4,000 feet has been deemed the lowest limit for cementing.

Signed Alfred J. Vance

3100  
U-12864  
(U-601)

Moab District  
Price River Resource Area  
P. O. Drawer AB  
Price, Utah 84501

December 10, 1980

Memorandum

To: District Engineer, USGS, Salt Lake City, Utah  
Attention: George Diwchak

From: *Acting* Area Manager, Price River

Subject: Skyline Oil Company's Well Federal Mounds 11-1

A joint inspection of the proposed drill site for subject well was accomplished on December 8, 1980. Approval of the APD is recommended conditioned on the following stipulations to mitigate impacts to the environment.

1. Topsoil shall be removed to a depth of 8 inches and stockpiled in a manner to minimize soil loss to wind and water erosion. Stockpiles shall be located so that soil is not contaminated or compacted.

2. The pad shall be so constructed and facilities so located that access along the route of the presently existing road crossing the proposed pad site is not blocked.

3. Trash shall be contained and removed from the site for disposal at an approved landfill.

4. Reclamation shall include contouring of the pad to blend with landforms in the general area, redistribution of topsoil, reestablishment of the existing road and seeding.

5. Seeding shall be accomplished by drilling the below listed species at a depth of  $\frac{1}{4}$  to  $\frac{1}{2}$  inch during the period of September to December.

*S. Vogelgrull*

Sand dropseed	Sporobolus cryptandrus	5 lb/acre
Indian ricegrass	Oryzopsis hymenoides	5 lb/acre
Fourwing saltbush	Atriplex canescens	2 lb/acre
Black sagebrush	Antemisia arbuscula	1 lb/acre

Threatened or endangered plants and animals are not known to be present in the area.

/S/ DENNIS J. WILLIS

SVogel:pohl:hb

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

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator SKYLINE OIL COMPANY

Project Type GAS WELL

Project Location 1338' FWL, 1195' FSL SE/4SW/4 Sec 11, T16S, R11E

Well No. 11-1 Lease No. U-12864

Date Project Submitted 11-10-81

FIELD INSPECTION

Date 12-8-81

Field Inspection  
Participants

George Diwachak - USGS

SID Vogelwohl BLM

REED G. SPIJT SKYLINE OIL CO.

BILL LANDRY K & A / HELTON

LARRY WRAY K & A / HELTON

CARL HUNT HUNT'S SERVICE

Typing In & Out:

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

12-12-80  
Date Prepared

George J. Diwachak  
Environmental Scientist

I concur

12/12/80  
Date

Earl [Signature]  
District Supervisor

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria	Federal/State Agency			Local and private	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
	Correspondence (date)	Phone check (date)	Meeting (date)	correspondence (date)					
516 DM 2.3.A									
1. Public health and safety						2		12-8-80 6	4
2. Unique characteristics						1,2		6	
3. Environmentally controversial						1		6	8
4. Uncertain and unknown risks						9,2		6	8
5. Establishes precedents								6	
6. Cumulatively significant								6	
7. National Register historic places						9			8
8. Endangered/threatened species						1		6	
9. Violate Federal, State, local, tribal law						1		6	4

CATEGORICAL EXCLUSION REVIEW COMMON REFERENCE LEGEND

1. Surface Management Agency Input
2. Reviews Reports, or information received from Geological Survey (Conservation Division, Geological Division, Water Resource Division, Topographic Division)
3. Lease Stipulations/Terms
4. Application Permit to Drill
5. Operator Correspondence
6. Field Observation - *SEE FIELD NOTES*
7. Private Rehabilitation Agreement
8. *RECOMMENDED STIPULATIONS (USGS) - SEE ATTACHED*
9. *ARCHAEOLOGICAL REPORT (READ IN FIELD - BLM COPY - RECOMMENDS CLEARANCE WITH LOCATION MOVE)*

## RECOMMENDED STIPULATIONS

- ①. THE LOCATION WILL BE MOVED 85 FT. NORTHWEST (60 FT NORTH AND 60 FT WEST) TO AVOID DISTURBANCES TO A POTENTIALLY SIGNIFICANT ARCHAEOLOGICAL SITE
- ②. THE PAD WILL BE ROTATED 180°
- ③. PAD WIDTH WILL BE REDUCED BY 45 FT. NEW WIDTH WILL TOTAL 180 FT.
- ④. THE EXISTING ROAD WILL BE REROUTED TO THE WEST OF THE PAD AS NECESSITATED BY LOCATION MOVE AND ROTATION ADJUSTMENT. REROUTED ROAD CONSTRUCTION SHALL FOLLOW THE SPECIFICATIONS OUTLINED IN SECTION 2 OF THE SURFACE USE PLAN
- ⑤. TOPSOIL WILL BE WINDROWED AROUND THE PERIMETER OF THE LOCATION, INCLUDING, BETWEEN THE REROUTED ACCESS ROAD AND WASH IMMEDIATELY TO THE WEST.
- ⑥. THE OPERATOR WILL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DISTURBANCES TO THE WASH TO THE WEST OF THE LOCATION



SKYLINE 11-1  
ORIGINAL LOC.

↑  
S



SKYLINE  
11-1 NEW LOC.

↑  
N



SKYLINE 11-1  
ORIGINAL LOC.

↑  
N

3110  
U- 12864

STIPULATION

As to lands administered by the Bureau of Land Management under the above oil and gas lease, the lessee hereby agrees that the following stipulations are by this reference incorporated as terms and conditions of said lease:

Before undertaking any exploratory operations involving use of bulldozers, earth-moving, or similar mobile equipment which may result in scarring of public lands, damaging surface resources, or inducing erosion thereon, he or his designee shall submit in writing to the Bureau of Land Management District Manager in the District in which the land is located, advance notice of such operation. Said operations include but are not limited to exploratory drilling, construction of access roads or airstrips, and the conduct of seismic operations.

ATTEST:

Robert M. Vernon  
Assistant Secretary

SKYLINE OIL COMPANY

By Donald B. Spriet  
Lessee Vice President

October 13, 1981

Skyline Oil Company  
2000 University Club Building  
Salt Lake City, Utah 84111

Re: Well No. Federal Mounds 11-1  
Sec. 11, T. 16S, R. 11E  
Emery County, Utah

Gentlemen:

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

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

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

TERRI REED  
CLERK TYPIST

**SKYLINE**   
**Oil Company**

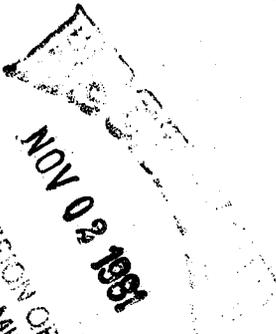
A TEXAS EASTERN COMPANY

October 30, 1981

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

Attention: Terri Reid

Re Federal Mounds # 11-1  
Sec. 11, T. 16 S., R. 11 E.,  
Emery County, Utah

  
DIVISION OF  
OIL, GAS & MINING

Gentlemen:

Subject well was spudded February 19, 1981 at which time your office was informed by phone of said spudding.

Apparently some confusion developed as to who was to keep your office informed of progress and, as a result, apparently no one kept you informed.

A 12 $\frac{1}{4}$ " hole was drilled to 2,124' and 2,111' of 9-5/8" casing was run and cemented with 275 Sx of Class "H" cement with 2% CALC and  $\frac{1}{4}$ # Flocele per sack.

An 8-3/4" hole was drilled to 7,203' at which depth a 7-7/8" core was cut to 7,255'. A 7-7/8" hole was then drilled to 7,292' and a DST #1 was attempted from 7,120' - 7,292'. This test failed. A second DST was attempted from 7,080' to 7,292'. This test also failed. A third DST from 6,900' to 7,292' recovered 272 MCF/D.

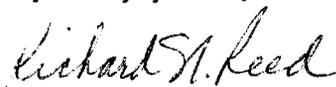
The 7-7/8" hole was continued to a total depth of 7,750' and logs were run. Production casing was run to 7,733' and cemented with 650 sacks. Casing size is 5 $\frac{1}{2}$ ". Rotary rig was released 5-1-81.

Completion was delayed until mid-June by the BLM due to the antelope fawning season.

A completion rig was moved in 6-22-81. Casing was perforated 7,340'-46' and 7,362' to 72'. No flow of any kind. Set CIBP at 7,301'. Perforated 7,206'-16' swabbed small amount of water. Set CIBP at 7,150'. Perforated 7,094' to 7,116'. Well flowed small amount of gas every 15 to 20 minutes for about 5 minutes and died. Acidized with 9,000 gallons MCA. Well flowed back acid and 88 MCF/Day. Fraced well with 20,000 gallons gelled 7½% HCL and 12,500# sand. Well unloaded spent acid water to pit. Rig released 7-24-81. Gauged 226 MCF/D.

Well presently shut in for reservoir evaluation.

Very truly yours,



Richard N. Reed  
Staff Engineer



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

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

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

February 4, 1982

Skyline Oil Company  
2000 University Club Building  
Salt Lake City, Utah 84111

Re: Well No. Federal Mounds #11-1  
Sec. 11, T. 16S, R. 11E  
Emery County, Utah

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

*Cari Furse*

Cari Furse  
Clerk Typist



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

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

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

March 16, 1983

Skyline Oil Company  
2000 University Club Bldg  
Salt Lake City, Utah 84111

Re: Well No. Federal Mounds # 11-1  
Sec. 11, T. 16S, R. 11E.  
Emery County, Utah

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

\*\*You are in violation with the above rule. If you wish to continue developing business in the State of Utah, compliance with pertinent rules and regulations is essential. Further delay in your attention to the above matter may result in punitive action. Please submit the required information as stated above within fifteen (15) days.

Respectfully,

DIVISION OF OIL, GAS AND MINING

Cari Furse  
Well Records Specialist

CF/cf  
Enclosure

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

5. LEASE DESIGNATION AND SERIAL NO.

U-12864

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

FEDERAL MOUNDS

9. WELL NO.

11-1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 11, T. 16 S., R. 11 E., SLB&M

12. COUNTY OR PARISH

Emery

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  
SKYLINE OIL COMPANY

3. ADDRESS OF OPERATOR  
2000 University Club Bldg., S.L.C., Utah 84111

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 1538' FWL & 1195' FSL Sec. 11, T. 16 S., R. 11 E.  
At top prod. interval reported below Same  
At total depth Same

14. PERMIT NO. DATE ISSUED  
12-15-80

15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, REB, RT, GR, ETC.)\* 19. ELEV. CASINGHEAD  
2-19-81 4-28-81 7-10-81 5373 GR 5370' (est.)

20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 25. WAS DIRECTIONAL SURVEY MADE  
7750' 7150' 23. INTERVALS DRILLED BY → X  
7094' - 7116' Stray Sands No

26. TYPE ELECTRIC AND OTHER LOGS RUN 27. WAS WELL CORED  
GR-DIL-SFL, GR-FDC-CNL, GR-BHC Sonie, GR-CBL Yes

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48	53'	17 1/2"	3 yds. Redi-mix	None
9-5/8"	36	2111'	12 1/4"	275 sx. Class "H"	None
5 1/2"	15.5 & 17	7733'	8-3/4"	550 sx. Lite 100 sc Class "G"	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.

INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7340'-46', 7362--72' Isolated by CIBP @ 7301'.	
7206'-15' Isolated by CIBP @ 7150'.	
7094'-7116'	
DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7340 - 72'	7500 gals. 7 1/2% MCA
7206 - 15'	5000 gals. 7 1/2% MCA
7094 - 7116'	16,500 gals. acid, 12,500 gals. gelled acid

33.\* PRODUCTION w/12,500# sand.

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
7-10-81	Flowing	Shut in					
DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
8-14-81	11	Various	→	--	759	--	--
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
425	1000	→	--	759	--	--	

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

35. LIST OF ATTACHMENTS  
Logs, Core description, DST Reports

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  
SIGNED Michael D. Anderson TITLE Sr. Petroleum Engineer DATE 3-21-83

\*(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.
Core #1	7203'	7255'	Manning Canyon Fm. 7203'-7220': Grey, VFG, thin bed, s.s. 7220'-7255': Shale - Black
DST #1	7120'	7292'	Manning Canyon Fm. - Misrun
DST #2	7080'	7292'	Manning Canyon Fm. - Misrun
DST #3	6900'	7292'	Manning Canyon Fm. IHP: 3178 psi IFP: 161 psi 15 min. ISIP: 2455 psi 60 min. FFP: 255 psi 90 min. FSIP: 2481 psi 180 min. FHP: 3179 psi

### 38.

### GEOLOGIC MARKERS

	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Kaibab	4684'	
Whiterim	4816'	
Oquirrh	5486'	
Manning Canyon	6545'	
Humbug	7661'	

CORE LABORATORIES, INC.  
*Petroleum Reservoir Engineering*  
DALLAS, TEXAS

CORE ANALYSIS REPORT

FOR

SKYLINE OIL COMPANY

11-1  
WILDCAT  
EMERY COUNTY, UTAH

DIVISION OF  
OIL, GAS & MINING

MAR 24 1983

RECEIVED

CORE LABORATORIES, INC.  
Petroleum Reservoir Engineering  
DALLAS, TEXAS

PAGE 1

SKYLINE OIL COMPANY  
11-1  
WILDCAT  
EMERY COUNTY, UTAH

DATE : 4-24-81  
FORMATION : MANNING CANYON  
DRLG. FLUID: W.B. MUD  
LOCATION : SE SW SEC 11-16S-11E

FILE NO : RP-3-3072  
ANALYSTS : GETZ  
ELEVATION: 5373 GL

CONVENTIONAL CORE ANALYSIS

SAMPLE NUMBER	DEPTH	PERM Ka MAXIMUM	POR. FLD	FLUID OIL	SATS. WTR	DESCRIPTION
	7203.0-06.0					NO ANALYSIS - SHALE/RUBBLE
1	7206.0-07.0	2.40	0.9	11.1	22.2	SD-GRY,VF GRN,SHLY,SLTY VF
2	7207.0-08.0	<0.01	0.7	0.0	28.6	SD-GRY,VF GRN,SHLY,SLTY VF
3	7208.0-09.0	<0.01	0.7	14.3	28.6	SD-GRY,VF GRN,SHLY,SLTY VF
4	7209.0-10.0	1.90	1.3	53.8	15.4	SD-GRY,VF GRN,SHLY,SLTY VF
5	7210.0-11.0	<0.01	0.8	12.5	25.0	SD-GRY,VF GRN,SHLY,SLTY VF
6	7211.0-12.0	<0.01	1.9	10.5	63.2	SD-GRY,VF GRN,SHLY,SLTY VF
7	7212.0-13.0	<0.01	2.1	4.8	66.7	SD-GRY,VF GRN,SHLY,SLTY VF
8	7213.0-14.0	0.06	1.6	6.3	62.5	SD-GRY,VF GRN,SHLY,SLTY VF
9	7214.0-15.0	1.20 *	2.3	4.3	73.9	SD-GRY,VF GRN,SHLY,SLTY VF
10	7215.0-16.0	<0.01	1.3	7.7	76.9	SD-GRY,VF GRN,SHLY,SLTY VF
11	7216.0-17.0	<0.01	1.2	8.3	50.0	SD-GRY,VF GRN,SHLY,SLTY VF
12	7217.0-18.0	0.91 *	3.1	6.5	71.0	SD-GRY,VF GRN,SHLY,SLTY VF
13	7218.0-19.0	<0.01	1.0	10.0	60.0	SD-GRY,VF GRN,SHLY,SLTY VF
14	7219.0-20.0	0.01	0.5	20.0	40.0	SD-GRY,VF GRN,SHLY,SLTY VF
15	7220.0-21.0	0.10	1.4	0.0	78.6	SD-GRY,VF GRN,SHLY,SLTY VF
	7221.0-58.0					SHALE - TAKEN AT WELL

\* = FRACTURE PERMEABILITY

VF = VERTICAL FRACTURE

7206.0-7221.0 Feet - Non-productive due to low permeability and porosity.



COMPANY SKYLINE OIL COMPANY

FILE NO. RP-3-3072

WELL 11-1

DATE 4-24-81

FIELD WILDCAT

FORMATION MANNING CANYON

ELEV. 5373 GL

COUNTY EMERY

STATE UTAH

DRLG. FLD. W.B. MUD

CORES \_\_\_\_\_

LOCATION SE SW SEC 11-16S-11E

# CORRELATION COREGRAPH

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

VERTICAL SCALE: 5" = 100'

**Total Water**

PERCENT PORE  
100 80 60 40

**Oil Saturati**

PERCENT PORE  
0 20 40 60

**Gamma Ray**

RADIATION INCREASE →

**Permeability**  $\times 0.01$

MILLIDARCIES

**Porosity**

PERCENT

1000 100 10 1

Depth  
Feet

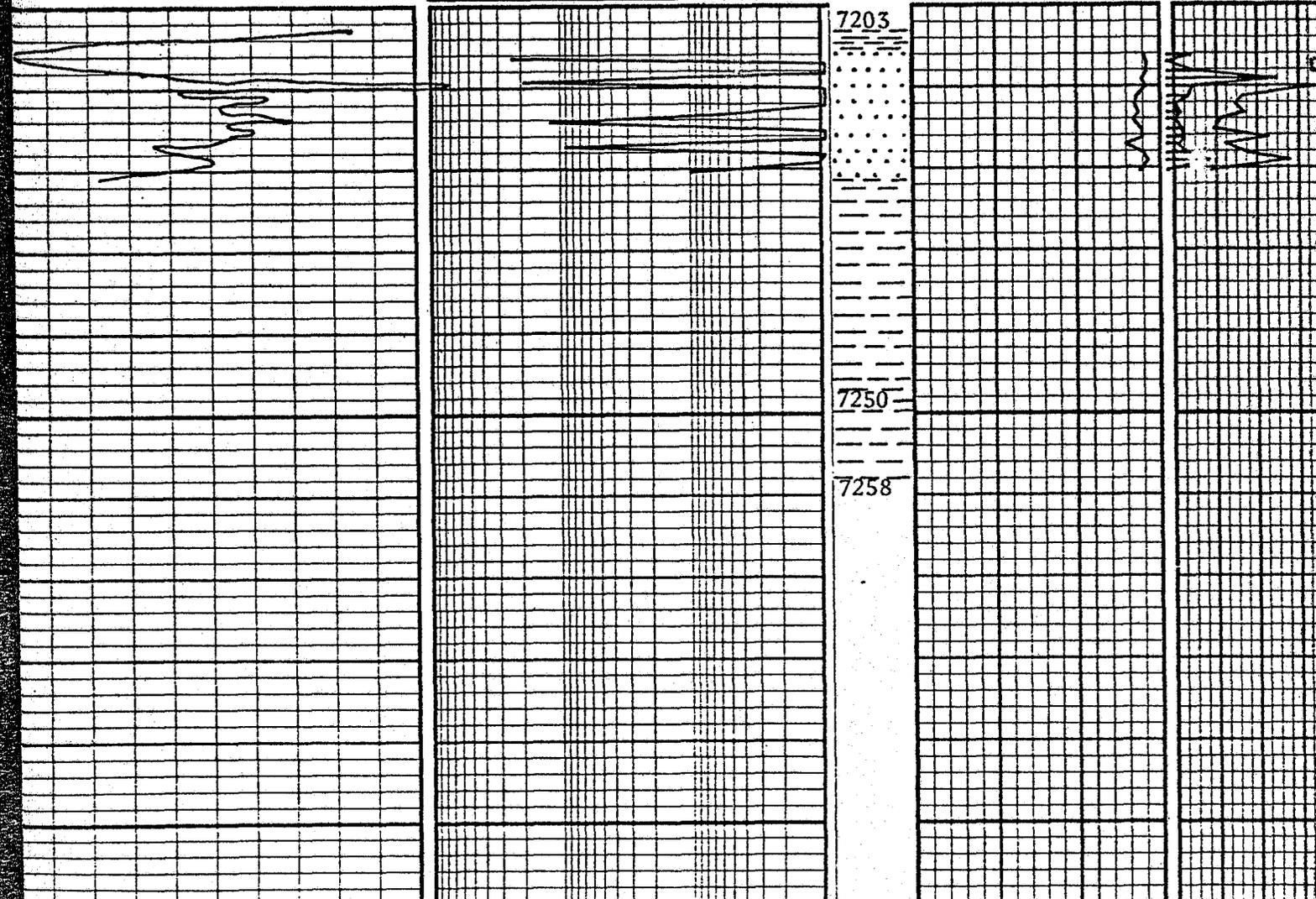
30 20 10 0

0 20 40 60

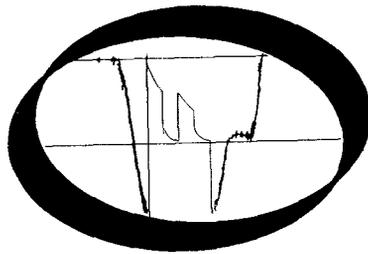
7203

7250

7258



# **Formation Testing Service Report**



**HALLIBURTON SERVICES**  
DUNCAN, OKLAHOMA

837190-490

PRESSURE

TIME

837190-198

Each Horizontal Line Equal to 1000 p.s.i.





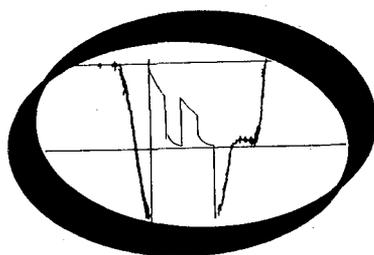


	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	4 1/2"	3.826"	6719'	
Drill Collars	6 1/4"	2 1/4"	232'	
Reversing Sub	6"	3 1/8"	.99'	
Water Cushion Valve				
Drill Pipe				
Drill Collars	6 1/4"	2 1/2"	93'	
Handling Sub & Choke Assembly				
<del>Dual CIP Valve</del> X over	6 1/2"	2 3/4"	.83'	
Dual CIP Sampler	5"	.75"	7'	7050'
Hydro-Spring Tester	5"	.75"	5'	7055'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.06"	4'	7057'
Hydraulic Jar	5"	1.75"	5'	
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	7 3/4"	1.53"	5.8'	7072'
Distributor	5"	1.68"	2'	
Packer Assembly	7 3/4"	1.53"	5.81'	7080'
Flush Joint Anchor	5 3/4"	2.87"	18'	
Pressure Equalizing Tube X over	6 1/2"	2 1/2"	.82'	
Blanked-Off B.T. Running Case				
Drill Collars	6 1/4"	2 1/2"	182.26'	
Anchor Pipe Safety Joint X over	6 1/4"	2 1/2"	.80'	
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor	5 3/4"	2.87"	5'	
Blanked-Off B.T. Running Case	5 3/4"	2.50"	4.12'	7290'
Total Depth				7293'

# Formation Testing Service Report

RECEIVED  
MAR 24 1983

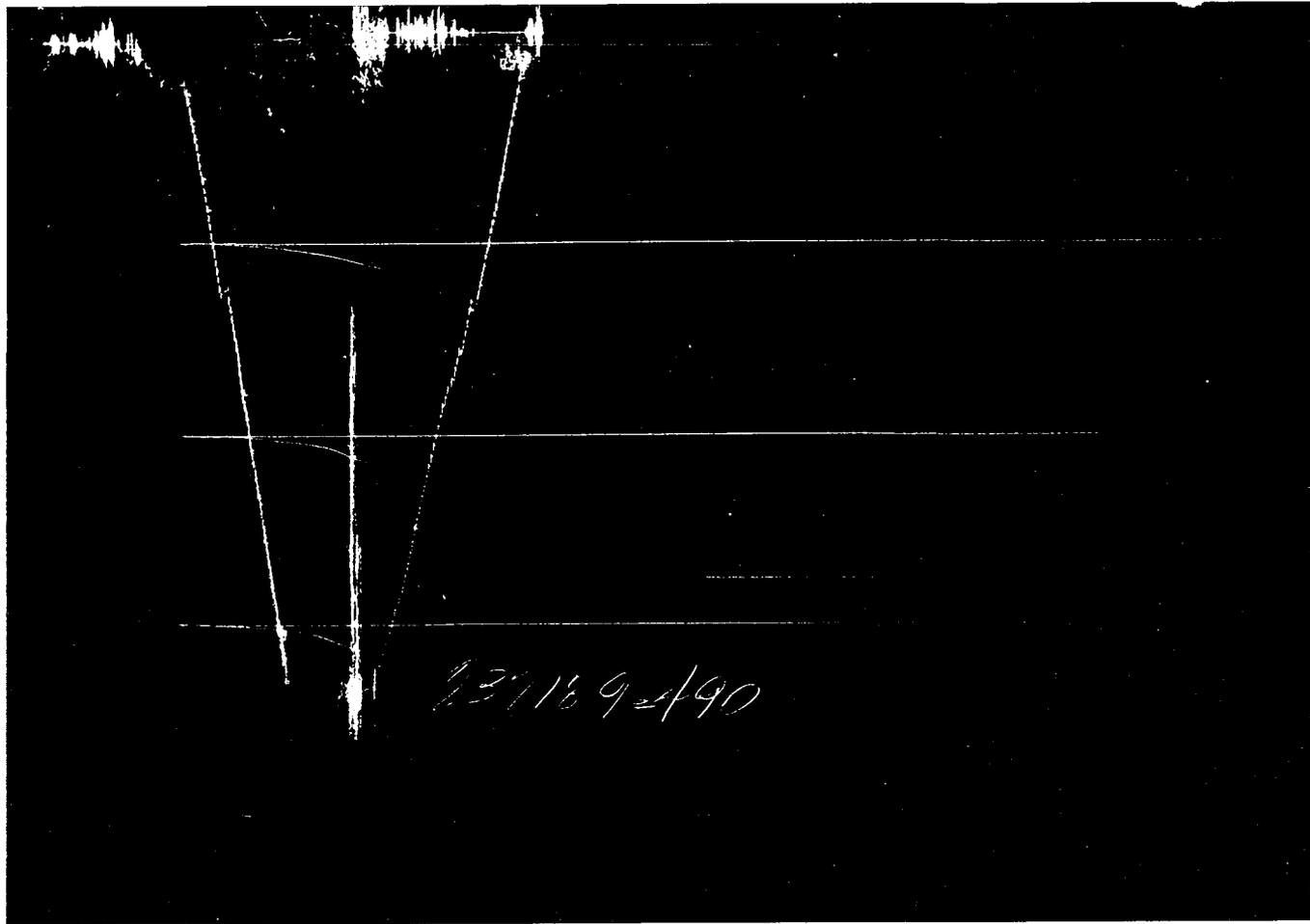
DIVISION OF  
GAS & MINING



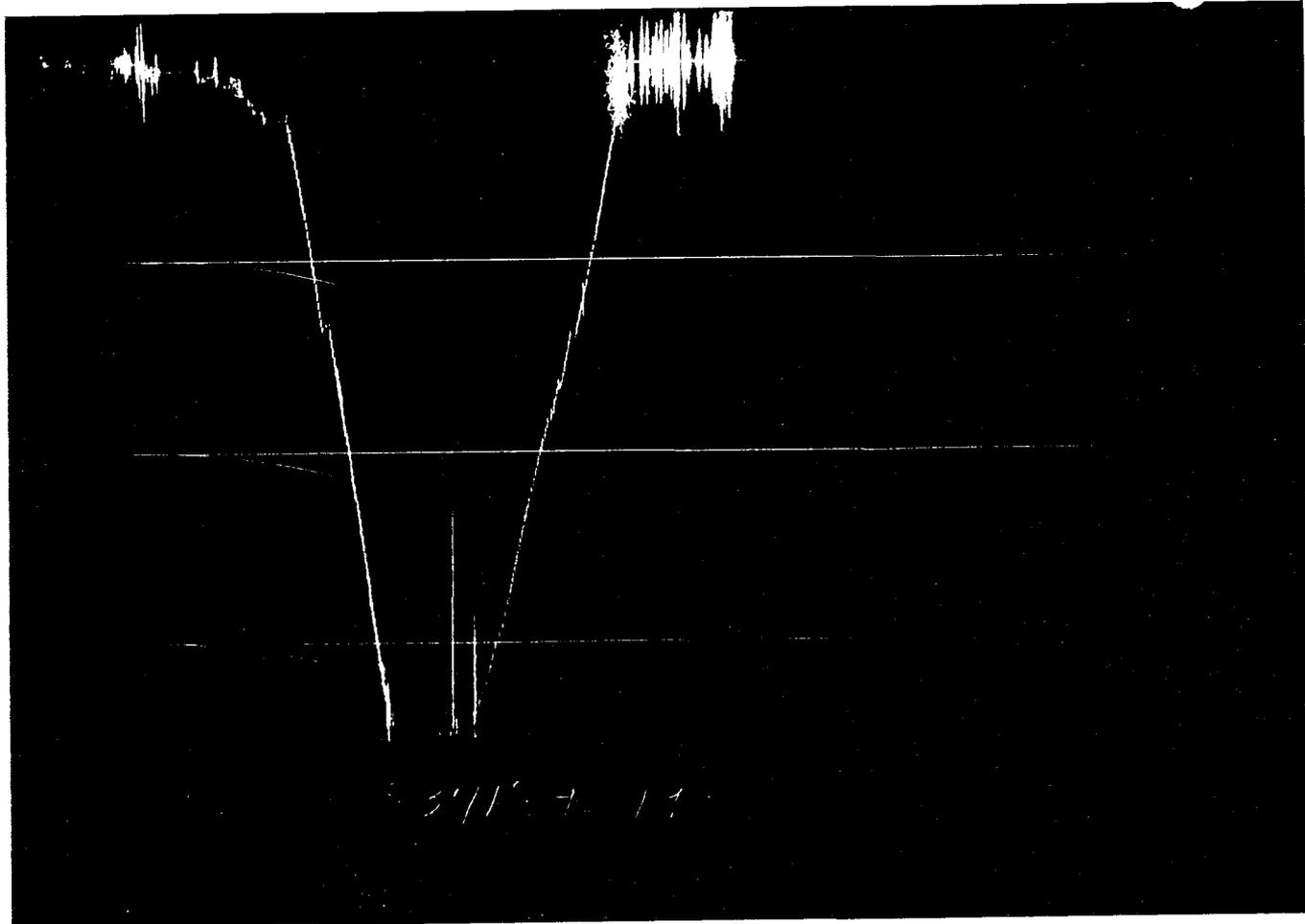
**HALLIBURTON SERVICES**

DUNCAN, OKLAHOMA

PRESSURE



TIME



Each horizontal line equals 1000 p.s.i.

FLUID SAMPLE DATA				Date		Ticket Number			
Sampler Pressure _____ P.S.I.G. at Surface				4-23-81		837189			
Recovery: Cu. Ft. Gas _____				Kind of D.S.T. <b>OPEN HOLE</b>		Halliburton Location <b>VERNAL</b>			
cc. Oil _____				Tester <b>MR. STEWART</b>		Witness <b>MR. BREWBAKER</b>			
cc. Water _____				MR. RIPPLE					
cc. Mud _____				Drilling Contractor <b>TRUE DRILLING #14</b>		ic			
Tot. Liquid cc. _____				EQUIPMENT & HOLE DATA					
Gravity _____ ° API @ _____ ° F.				Formation Tested _____					
Gas/Oil Ratio _____ cu. ft./bbl.				Elevation _____ Ft.					
RESISTIVITY _____				Net Productive Interval _____ Ft.					
CHLORIDE CONTENT _____				All Depths Measured From <b>Kelly Bushing</b>					
Recovery Water _____ @ _____ ° F. _____ ppm				Total Depth <b>7293'</b>					
Recovery Mud _____ @ _____ ° F. _____ ppm				Main Hole/Casing Size <b>8 3/4"</b>					
Recovery Mud Filtrate _____ @ _____ ° F. _____ ppm				Drill Collar Length <b>385'</b> I.D. <b>2 1/4" - 2 1/2"</b>					
Mud Pit Sample _____ @ _____ ° F. _____ ppm				Drill Pipe Length <b>6698'</b> I.D. <b>3.826"</b>					
Mud Pit Sample Filtrate _____ @ _____ ° F. _____ ppm				Packer Depth(s) <b>7112' - 7120'</b>					
Mud Weight <b>8.8</b> vis <b>38-40</b> sec.				Depth Tester Valve <b>7095'</b>					
TYPE		AMOUNT		Depth Back		Surface		Bottom	
Cushion				Ft. Pres. Valve		Choke		Choke	
						<b>1/8"</b>		<b>.75"</b>	
Recovered		Feet of							
Recovered		Feet of							
Recovered		Feet of							
Recovered		Feet of							
Recovered		Feet of							
Remarks <b>SEE PRODUCTION TEST DATA SHEET.</b>									
<b>Set packers - tool opened and lost mud - tried several times to get</b>									
<b>a packer seat.</b>									
TEMPERATURE									
Gauge No. <b>490</b>		Gauge No. <b>198</b>		Gauge No.		TIME			
Depth: <b>7097'</b> Ft.		Depth: <b>7290'</b> Ft.		Depth:		(00:00-24:00 hrs.)			
Est. <b>180 °F.</b>		24 Hour Clock		24 Hour Clock		Hour Clock		Tool	
Blanked Off <b>NO</b>		Blanked Off <b>YES</b>		Blanked Off		Opened			
Actual °F.		Pressures		Pressures		Pressures		Opened Bypass	
		Field Office		Field Office		Field Office		Reported Computed	
		<b>- 3313.6</b>		<b>- 3406.0</b>				Minutes Minutes	
First Period		Flow		Flow		Flow		Flow	
		Initial		Initial		Initial		Initial	
		Final		Final		Final		Final	
		Closed in		Closed in		Closed in		Closed in	
Second Period		Flow		Flow		Flow		Flow	
		Initial		Initial		Initial		Initial	
		Final		Final		Final		Final	
		Closed in		Closed in		Closed in		Closed in	
Third Period		Flow		Flow		Flow		Flow	
		Initial		Initial		Initial		Initial	
		Final		Final		Final		Final	
		Closed in		Closed in		Closed in		Closed in	
Final Hydrostatic		<b>- 3313.6</b>		<b>- 3406.0</b>					

Legal Location Sec. - Twp. - Rng. **11 - 16S - 11E**  
 Lease Name **FEDERAL MOUNDS**  
 Well No. **11-1**  
 Test No. **1**  
 Tested Interval **7120' - 7293'**  
 County **ENERGY**  
 State **UTAH**

**FEDERAL MOUNDS**  
**11-1**  
**7120' - 7293'**  
**SKYLINE OIL COMPANY**  
 Lease Owner/Company Name

18



	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	4 1/2"	3.826"	6698'	
Drill Collars	6 1/4"	2 1/4"	233'	
Reversing Sub	6"	3 1/8"	.99'	
Water Cushion Valve				
Drill Pipe				
Drill Collars	6 1/4"	2 1/2"	152'	
Handling Sub & Choke Assembly	6 1/2"	2 3/4"	.83' X0	
Dual CIP Valve				
Dual CIP Sampler	5"	.75"	7'	7090'
Hydro-Spring Tester	5"	.75"	5'	7095'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.06"	4'	7097'
Hydraulic Jar	5"	1.75"	5'	
VR Safety Joint	5"	1.00"	3'	
Pressure Equalizing Crossover				
Packer Assembly	7 3/4"	1.53"	5.81'	7112'
Distributor	5"	1.68"	2'	
Packer Assembly	7 3/4"	1.53"	5.81'	7120'
Flush Joint Anchor	5"	2.44"	38'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case	6 1/2"	2 1/2"	.80' X0	
Drill Collars	6 1/4"	2 1/2"	122.81'	
Anchor Pipe Safety Joint	6 1/4"	2 1/2"	.80' X0	
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor	5"	2.44"	5'	
Blanked-Off B.T. Running Case	5 3/4"	2.50"	4.12'	7290'
Total Depth				7293'



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

SUBMIT IN TRIPLICATE  
(Other instructions  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-12864

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

FEDERAL MOUNDS

9. WELL NO.

11-1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 11, T.16 S., R.11 E.,  
SLB&M

12. COUNTY OR PARISH 13. STATE

Emery

Utah

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR SKYLINE OIL COMPANY

3. ADDRESS OF OPERATOR  
2000 University Club Bldg., S.L.C., Utah 84111

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface  
1538' FWL & 1195' FSL (Se SW) Sec. 11, T.16 S.,  
R. 11 E.

14. PERMIT NO.

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

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) <u>Attempted Recompletion</u> <input checked="" type="checkbox"/>	

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

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

Set CIBP @ 6978'. Plug back w/ 155 sx Class "H" cement. WOC.  
Tag cement top @ 5927'. Drill out cement to 6030'. Set whipstock w/top @ 6015'. Mill out window in 5½" casing. Drill drain hole #1 to 106' from wellbore. Made non-commercial volume of combustible gas. Set cement plug 5982' - 5942'. Perforated 5½" casing 4855' - 60'. Recovered 10 Bbls. mud. Cemented 5½" X 9-5/8" annulus w/ 500 sx Class "H" cement. Perforated casing 2458 - 64'. Recovered 10-14 BPH water. P & A with following plugs:

#1	4900' - 4700'	25 sx Class "H"
#2	2600' - 2400'	25 sx Class "H"
#3	1000' - 800'	25 sx Class "H"
#4	200' - Surface	25 sx Class "H"
#5	Surface	10 sx Class "H" in 5½" x 9-5/8" annulus.

Install dry hole marker. Will rehabilitate location per original APD when weather permits.

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

SIGNED M.D. Anderson

TITLE Sr. Petroleum Engineer DATE 3-30-83

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONTRIBUTOR'S APPROVAL, IF ANY:

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

DATE: 4-1-83  
BY: [Signature]

\*See Instructions on Reverse Side

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

5. LEASE DESIGNATION AND SERIAL NO.

U-12864

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

FEDERALMOUNDS

9. WELL NO.

11-1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 11, T. 16 S.,  
R. 11 E., SLB&M

12. COUNTY OR PARISH

Emery

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

SKYLINE OIL COMPANY

3. ADDRESS OF OPERATOR

2000 University Club Bldg., S.I.C. Center, Salt Lake City, Utah 84143

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

At surface 1538' FWL & 1195' FSL (S. 11 E. 11 N. 1338)

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO.

RECEIVED  
APR 06 1983

DIVISION OF OIL, GAS & MINING  
12-15-80

15. DATE SPUDDED

2-19-81

16. DATE T.D. REACHED

4-28-81

17. DATE COMPL. (Ready to prod.)

7-10-81

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*

GR-5373'

19. ELEV. CASINGHEAD

5370' (est.)

20. TOTAL DEPTH, MD & TVD

7750'

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

7150'

22. IF MULTIPLE COMPL., HOW MANY\*

23. INTERVALS DRILLED BY

ROTARY TOOLS

X

CABLE TOOLS

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

P & A 3-24-83

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

GR-DIL-SFL, GR-FDC-CNL, GR-BHC Sonic, GR-Dipmeter

27. WAS WELL CORRED

Yes

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48	53'	17 1/2"	3 yds Redi mix	None
9-5/8"	36	2111'	12 1/4"	275 sx Class "H"	None
5 1/2"	15.5 & 17	7733'	8-3/4"	550 sx Lite & 100 sx. Class "G"	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)

7340-72' Isolated by CIBP @ 7301'  
 7206-15' Isolated by CIBP @ 7150'  
 7094-7116' Isolated by CIBP @ 6978'  
 4855-60'  
 2458-64' P & A. 3-24-83

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7340-7372'	7500 gals. 7 1/2% MCA
7206-7215'	5000 gals. 7 1/2% MCA
7094-7116'	16,500 gals. acid & 12,500 gals. gelled acid w/12,500#sd

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

All data previously submitted.

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

SIGNED

*M. D. Anderson*

TITLE

Sr. Petroleum Engineer

DATE

4-4-83

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

SET IN TRIPLICATE\*  
(See instructions on reverse side)

021216

**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. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER    P&A		5. LEASE DESIGNATION AND SERIAL NO. U-12864
2. NAME OF OPERATOR Texas Eastern Skyline Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 1775 Sherman Street, Suite 1200, Denver, Colorado 80203		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  <del>1530</del> FWL & 1195' FSL (SE SW) Sec. 11, T16S, R11E 1338		8. FARM OR LEASE NAME Federal Mounds
14. PERMIT NO. API #43-015-30077	15. ELEVATIONS (Show whether DF, RT, GR, etc.) GL - 5373'	9. WELL NO. 11-1
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		10. FIELD AND POOL, OR WILDCAT Wildcat
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.)*		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 11, T16S, R11E, SLB&M
18. I hereby certify that the foregoing is true and correct		12. COUNTY OR PARISH    13. STATE Emery                                  Utah

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON\*

SHOOTING OR ACIDIZING

ABANDONMENT\*

REPAIR WELL

CHANGE PLANS

(Other)

(Other)

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

The subject well has been rehabilitated and reseeded as required. Texas Eastern Skyline Oil Company respectfully requests that your office conduct an inspection of the subject well and approve the rehabilitation as complete.

**RECEIVED**  
FEB 09 1987

DIVISION OF  
OIL, GAS & MINING

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

SIGNED

*Michael D. Anderson*

TITLE

Manager

DATE

2-4-87

(This space for Federal or State office use)

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

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

COMPUTER STATES:

PRODUCING INTERVAL

7094-7116 STRAY SANDS

NO PZ

FILE INDICATES:

6545-7661 IS MANNING  
CYN - WE DON'T  
HAVE A ZONE FOR  
EITHER OF THE  
ABOVE. WHAT PZ  
SHD WE USE?

ALSO: SEE YELLOW POST-IT  
STGS 1338 SWL OR 1538?

U

5-21-87

VICARY,

- 1) SPUD 2-19-81 -  
COMPLETION 7-10-81  
P&A (PLUS RECOMPLETION) 3-24-83  
ATTEMPT
- 2) 1338 FWL
- 3) WE'LL ASK JOHN TO HELP WITH  
THE PZ OF THE FIRST  
COMPLETION

JOHN PLEASE

MNCYN - Manning Canyon  
PER JOHN BAZA  
6-10-87

6-5-87