

** FILE NOTATIONS **

DATE: Nov 21, 1980
OPERATOR: Husky Oil Company
WELL NO: Federal 10-13
Location: Sec. 13 T. 26S R. 17W County: Beaver

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

API Number 43-001-3004

CHECKED BY:

Petroleum Engineer: _____

Director: OK Rule C-3

Administrative Aide: OK on Monday

APPROVAL LETTER:

Bond Required: Survey Plat Required:

Order No. _____ O.K. Rule C-3

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

Lease Designation Fed. Plotted on Map

Approval Letter Written

Hot Line P.I.

1

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
 Husky Oil Company

3. ADDRESS OF OPERATOR
 600 So. Cherry St., Denver, CO 80222

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 1980' FSL and 1980' FEL NWSE
 At proposed prod. zone
 Straight hole

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 44 miles West-Northwest of Milford, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 1980' FLL N/A

16. NO. OF ACRES IN LEASE
 2,560

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
 7,200' Paleozoic Rotary

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5194' GR

22. APPROX. DATE WORK WILL START*
 Dec. 1, 1980

5. LEASE DESIGNATION AND SERIAL NO.
 U-35114

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 Federal

9. WELL NO.
 10-13

10. FIELD AND POOL, OR WILDCAT
 Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 13-26S-17W

12. COUNTY OR PARISH
 Beaver

13. STATE
 Utah

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2"	9-5/8"	36#	+500'	Circulate to surface
8-3/4"	7"	23# & 26#	7200'	± 600 sy

We propose to drill the captioned well to test the Tertiary Volcanics. We propose to test all shows of oil and/or gas deemed worthy of test and to set casing, as above, or to plug and abandon in accordance with instructions received from the U.S.G.S.

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING

DATE: 11/24/80
 BY: [Signature]



NOV 20 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.

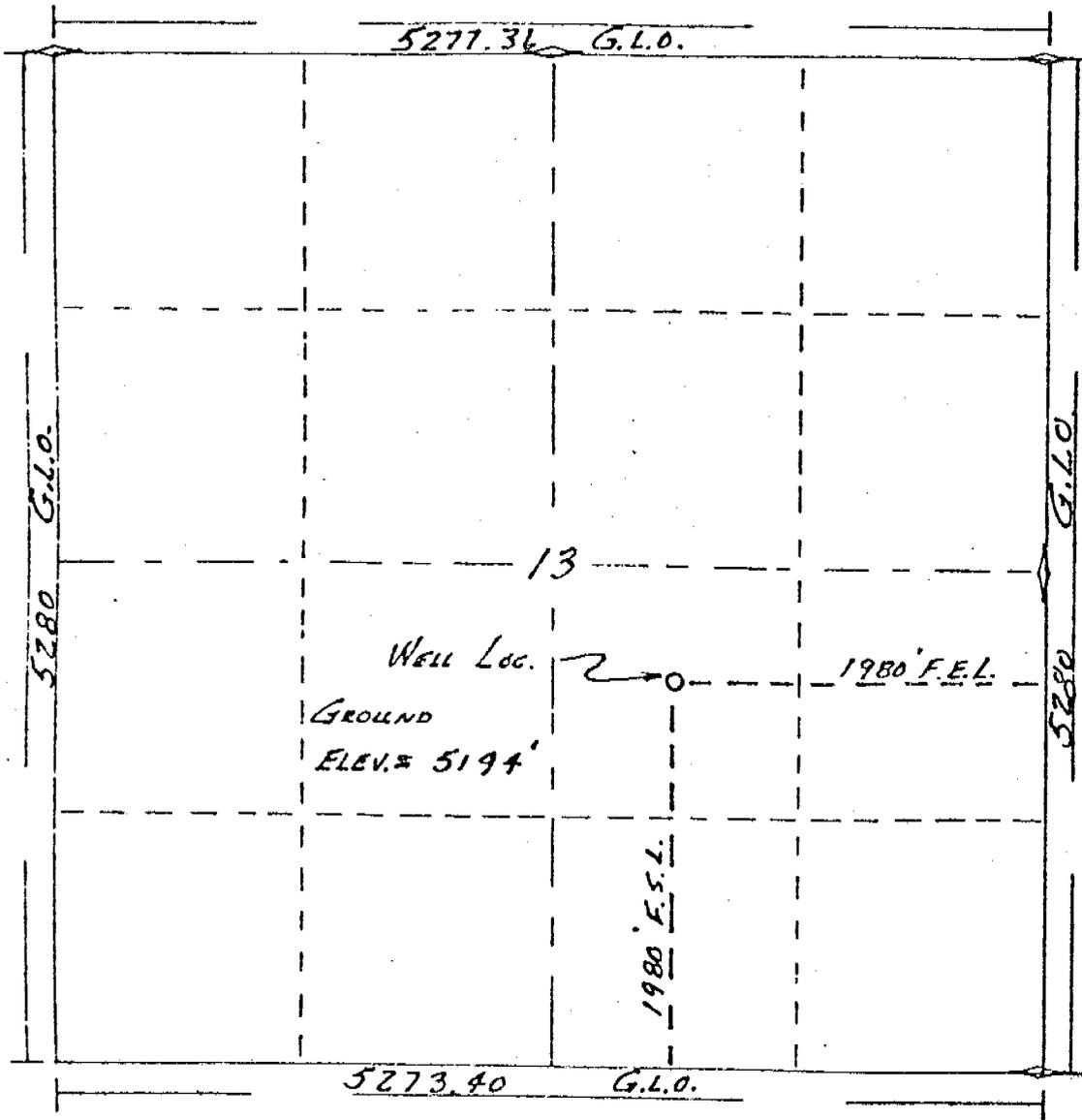
24. SIGNED James E. Yates TITLE Drlg. Engineer DATE Oct. 31, 1980
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

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



R. 17 W.



T.
26
S.

Scale 1" = 1000'

Powers Elevation of Denver, Colorado has in accordance with a request from *JIM YATES* for *HUSKY OIL* determined the location of *No. 10-13 FEDERAL* to be *1980' F.S.L. & 1980' F.E.L.* of Section 13 Township 26 S. Range 17 W. OF THE SALT LAKE BASE AND Meridian *BEAVER* County, *UTAH*

I hereby certify that this plot is an accurate representation of a correct survey showing the location of *No. 10-13 FEDERAL*

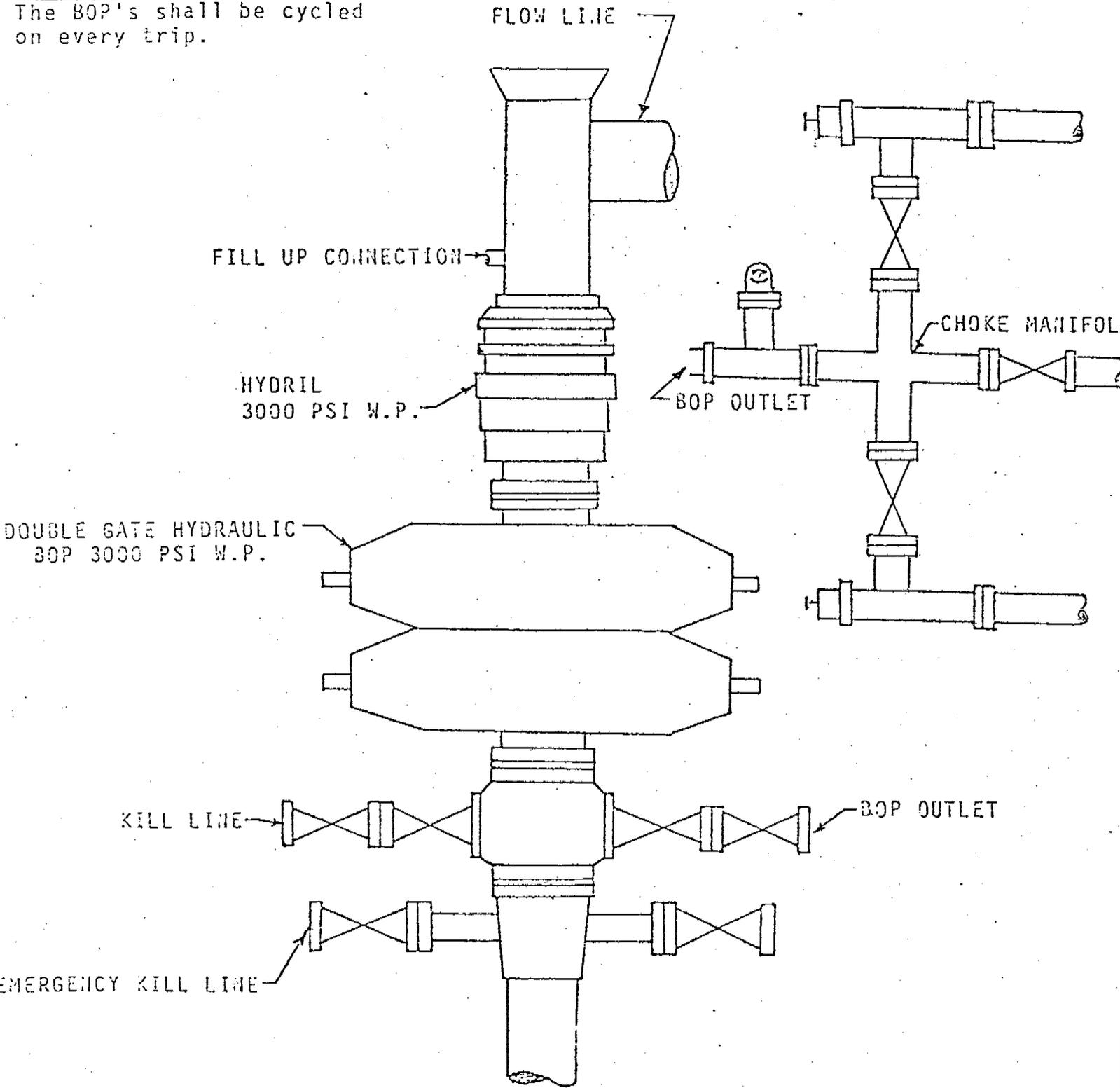
Date 10-17-80

Janey O'Becker
 Licensed Land Surveyor No 4189
 State of *UTAH*

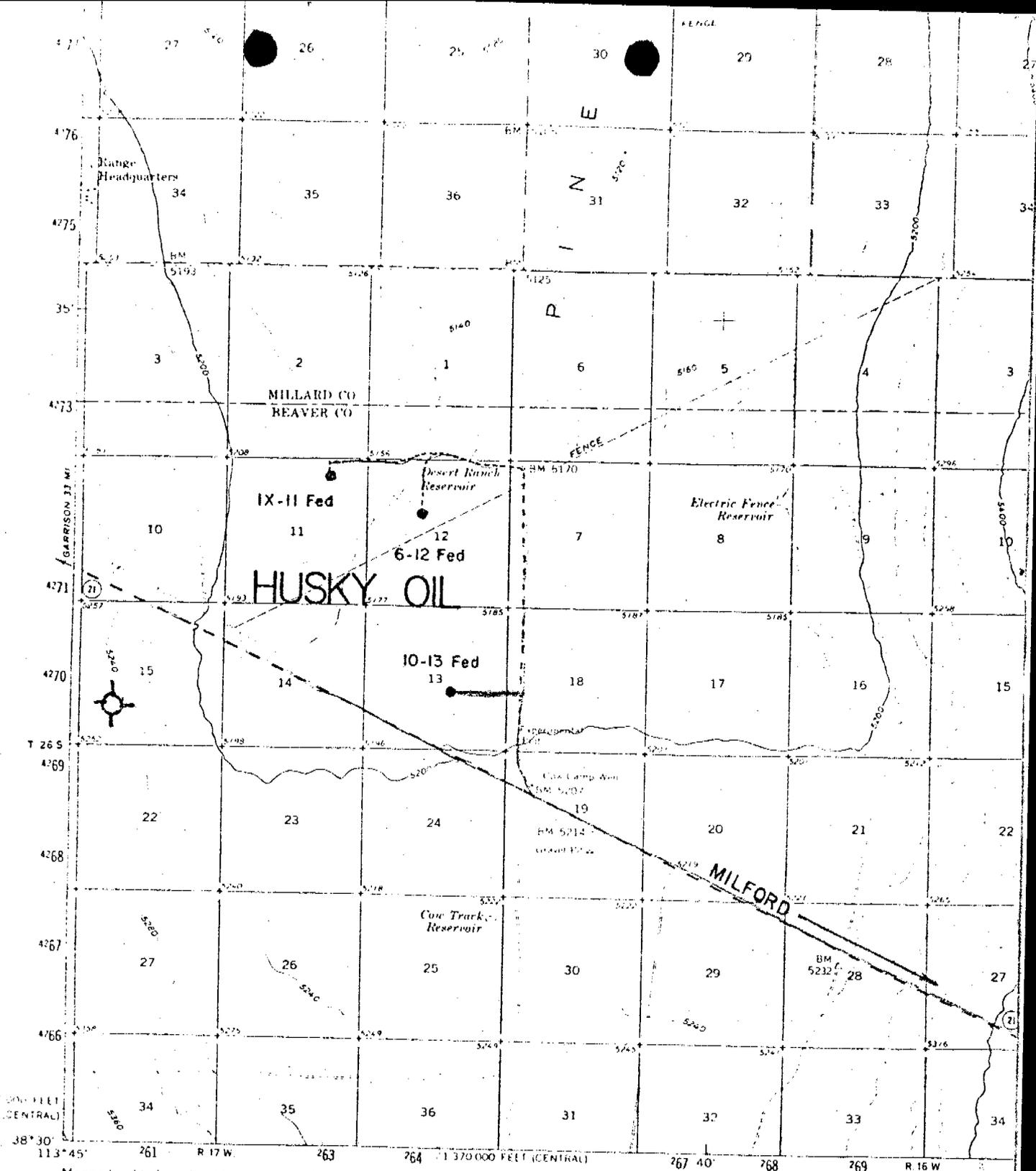
After nipping up on surface pipe, but before drilling out the cement plug, the BOP's shall be tested to the rated working pressure.

FREQUENCY

The BOP's shall be cycled on every trip.

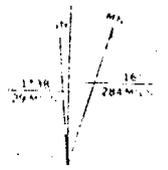


SCHEMATIC DRAWING
3000 PSI - BOP Equipment



Mapped, edited and published by the Geological Survey
 Control by USGS and USC&GS

Topography by photogrammetric methods from aerial
 photographs taken 1953 and plane-table surveys 1960
 Polyconic projection 1927 North American datum
 10,000 foot grids based on Utah coordinate system,
 central and south zones
 1000 meter Universal Transverse Mercator grid ticks,
 zone 12, shown in blue



CONTOUR INTERVAL
 DOTTED LINES REPRESENT
 DATUM IS

THIS MAP COMPLIES WITH THE
 FOR SALE BY U.S. GEOLOGICAL SURVEY DENY
 A FOLDER DESCRIBING TOPOGRAPHIC MAPS

— Existing Access
 - - - Proposed Access

Exhibit "B"
 Topographic map showing
 location of
 10-13 Federal

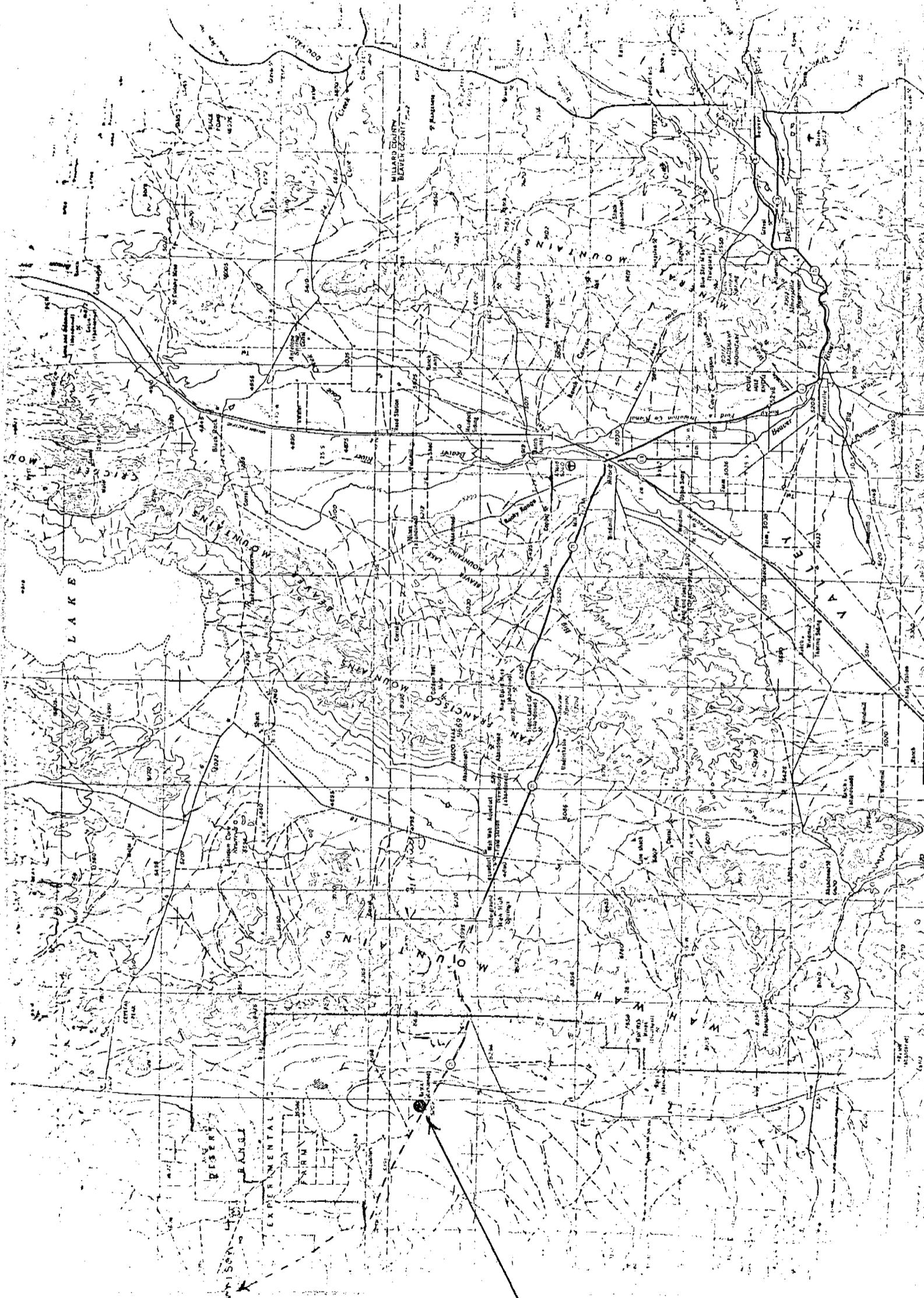


EXHIBIT "A"
10-13 Federal Location

HUSKY OIL COMPANY

10-13 FEDERAL

1. Surface Formation: Valley Fill
2. Important Geological Formations:

Tertiary Volcanics	5100'
Paleozoic	7100'
3. Oil and gas are expected in the Tertiary Volcanics at 5100'.
4. Casing Program:

9-5/8", 36# per ft., K-55, ST&C new casing to appx. 500'.
7", 23# and 26# per ft., K-55, LT&C to 7200'.
5. Pressure Control:

10" X 9-5/8", screw-on casing head for drilling below surface casing.

10", 900 Series, 3000# W.P. Dual Ram Hydraulic Blowout Preventers for drilling below surface casing. All choke lines, choke manifold, valves, fitting, etc. will have a minimum pressure rating of 3000 PSI.

All BOP equipment will be pressure tested prior to drilling out the surface casing shoe.
6. Mud Program:

0 - 500': Mud at company discretion to maintain good hole conditions to run surface casing.

500' - TD: mud weight 8.8# per gallon, water loss 10CC/30 minutes or less and viscosity of 35 sec./qt. or more.

Mud quantities, as necessary, to maintain the above mentioned properties and drill to total depth are estimated to be appx. 900 barrels.

7. Auxiliary equipment:

Kelly cock with stabbing valve on floor, and float (to be run at bit).

8. Testing, Logging, and Coring:

3 DSTs may be required in the Tertiary Volcanics.

No cores are anticipated.

Logs as follows:

Surface casing to TD - Dual Induction, FDC-CNL-GR,
Frac Finder, Mud log.

Proposed completion program:

Perforate desired intervals. Swab, and, if necessary perform a small frac job.

9. Abnormal hazards:

Neither abnormal pressures, temperatures, nor potential hazards, such as hydrogen-sulfide gas is expected. The maximum BHP is 3096 PSI at total depth in the Paleozoics. This is a normal .43 PSI per ft. gradient.

10. Anticipated spud date: December 1, 1980.

11. Anticipated duration: 55 DAYS

EXHIBITS

- A. Location map with route marked.
- B. Fifteen minute topographic map section showing access roads and location.
- C. Proposed production facilities.
- D. Location layout.
- E. Contour map of location showing cuts and fills, and proposed access road.
- F. Cross sections of location.

1. Existing Roads:
 - a. See Exhibits "B" and "E".
 - b. Main Roads:

Take Highway # 21 West-Northwest out of Milford, Utah for 44 miles. Turn right on the road to Desert Ranch Reservoir and proceed north approximately 4000'. Location is 2500' to the left (West).
 - c. Access Roads:

A 2500' access road will be required. See Exhibits "B" and "C".
 - d. See Exhibit "B".
 - e. N/A
 - f. N/A
2. Planned Access Road:
 - a. Width: 18' crowned and ditched, total disturbance 42'.
 - b. Maximum Grade: 10%
 - c. Turnouts: None
 - d. Drainage design: No problems anticipated.
 - e. Culverts, cuts and fills: None anticipated.
 - f. Surfacing Materials: None anticipated for drilling phase.
 - g. Gates, Cattle Guards, Fence Cuts: None
 - h. New or reconstructed roads: Centerline flagged.
3. Location of Existing Wells: (See map showing existing wells and facilities.)
 - a. Water Wells: None.
 - b. Abandoned Wells: # 1 Bridger, Sec. 15-26S-17W
 - c. Temporarily Abandoned Wells: None.

- d. Disposal Wells: None.
 - e. Drilling Wells: None
 - f. Producing Wells: None.
 - g. Shut-in Wells: None.
 - h. Monitor Wells: None.
4. Location of Existing or Proposed Facilities:
- a. None owned or operated by Husky Oil.
 - b. Proposed Facilities: A tank battery will be built on the proposed location in the event the well is commercial. In doing so, if it is necessary to disturb any additional acreage, a sundry notice will be filed.
 - c. Plans for Rehabilitation: The facility area will be rehabilitated by filling the pit, leveling, and re seeded according to BLM stipulations. See Section 10.
5. Location and Type of Water Supply:
- a. We plan to use trucked water.
 - b. We plan to truck water from Garrison to the well-site for use while drilling.
 - c. No water well on the location is anticipated.
6. Source of Construction Materials:
- a. through d. For the drilling operation it is anticipated that any construction materials needed will come from the proposed site. Any additional construction materials will be purchased from a commercial source.
7. Methods of Handling Waste Material:
- a. Cuttings: Disposed of in reserve pit and buried.
 - b. Drilling Fluids: Disposed of in reserve pit and buried after the pit has dried.

- c. Produced Fluids: Liquids produced during the completion operations will be produced into tanks, the water drained to the pit and any oil saved.
 - d. Sewage: Portable toilets.
 - e. Garbage and other Waste Material: Disposal in a "burn" pit (enclosed with wire mesh screen) and ultimately buried.
 - f. The location will be cleaned upon completion or abandonment of the well. All pits will be fenced and overhead flagging installed. After the reserve pit has dried it will be filled, waste buried, and restoration done as per Section 10.
8. Ancillary Facilities: None.
9. Wellsite Layout:
- a. through c. See location layout and cross-section exhibits.
 - d. Pits unlined.
10. Plans for Restoration of the Surface:
- a. The topsoil will be stripped and stockpiled on the northeast and southwest corners of the location. Pits will be fenced on three sides for drilling operations. Upon completion or abandonment of the well the pits will be fenced on all four sides, allowed to dry, then backfilled, burying waste, leveling and recontouring as is practical.
 - b. The topsoil will be spread over that area (excluding that area required for production purposes if well is productive) and that area reseeded as per BLM specifications. The access road, if not needed, will also be reseeded.
 - c. Upon release of the rig the pits will be fenced, and so maintained until clean-up. (See a above.)
 - d. The pits will have overhead flagging installed if any oil is left on the surface.
 - e. Restoration should be completed during the fall of 1981.

11. Other Information

- a. The location lies on a flat spot with drainage to the north.
- b. No surface owner.
- c. Nearest house is one mile away. Only intermittent streams are in the area. See cultural resource survey report done by Powers Elevation on 10-16-80.

12. Lessee's or Operator's Representative:

James E. Yates
600 S. Cherry Street
Denver, Colo. 80222
Telephone: 303/370-1325

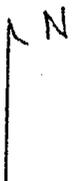
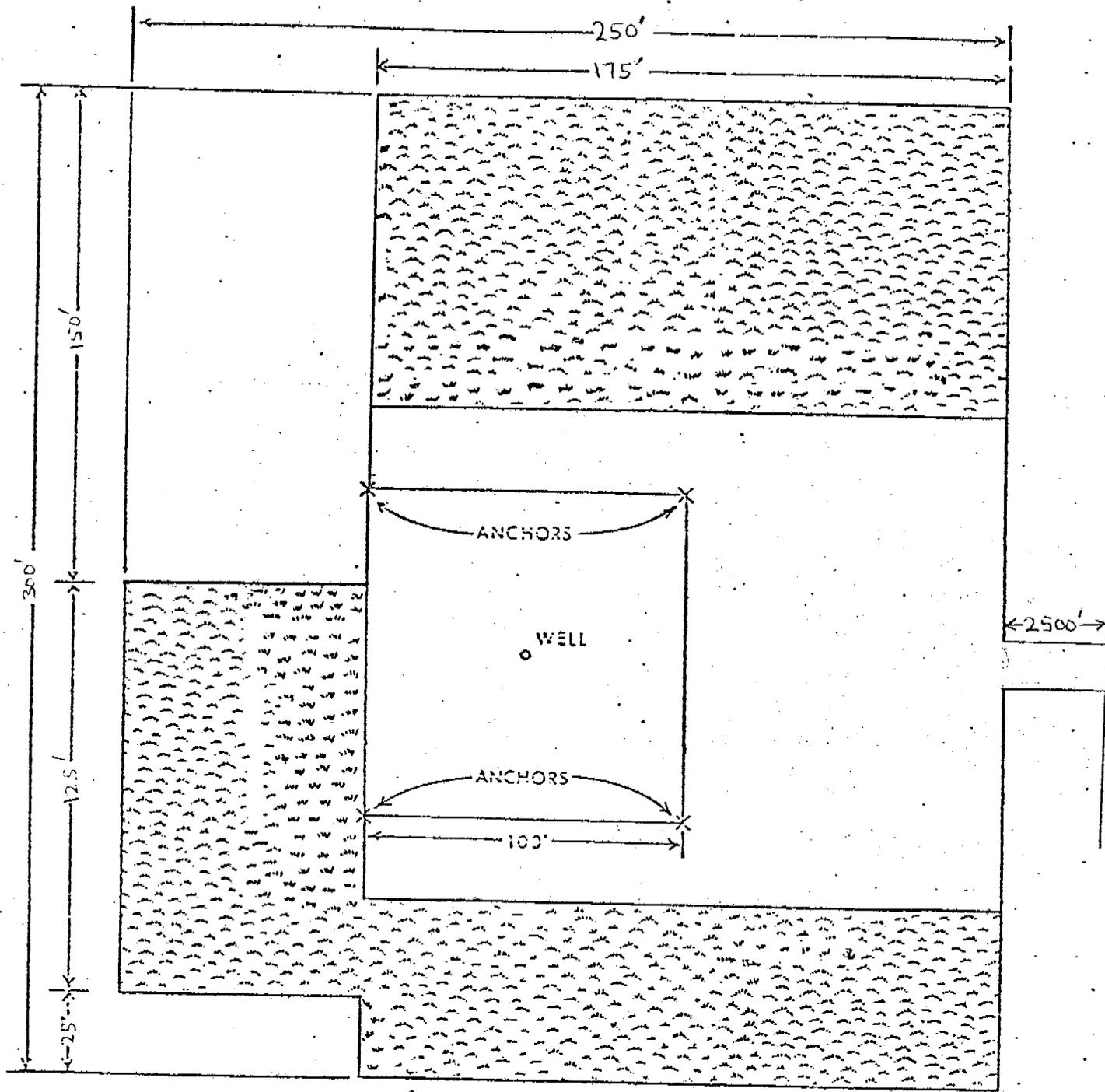
13. Certification

I hereby certify that I, or persons under my direct supervision, have inspected the drill-site and access road; 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 Husky Oil Company and its contractors and subcontractors in conformity with this plan and conditions under which it is approved.

11-3-80

Date

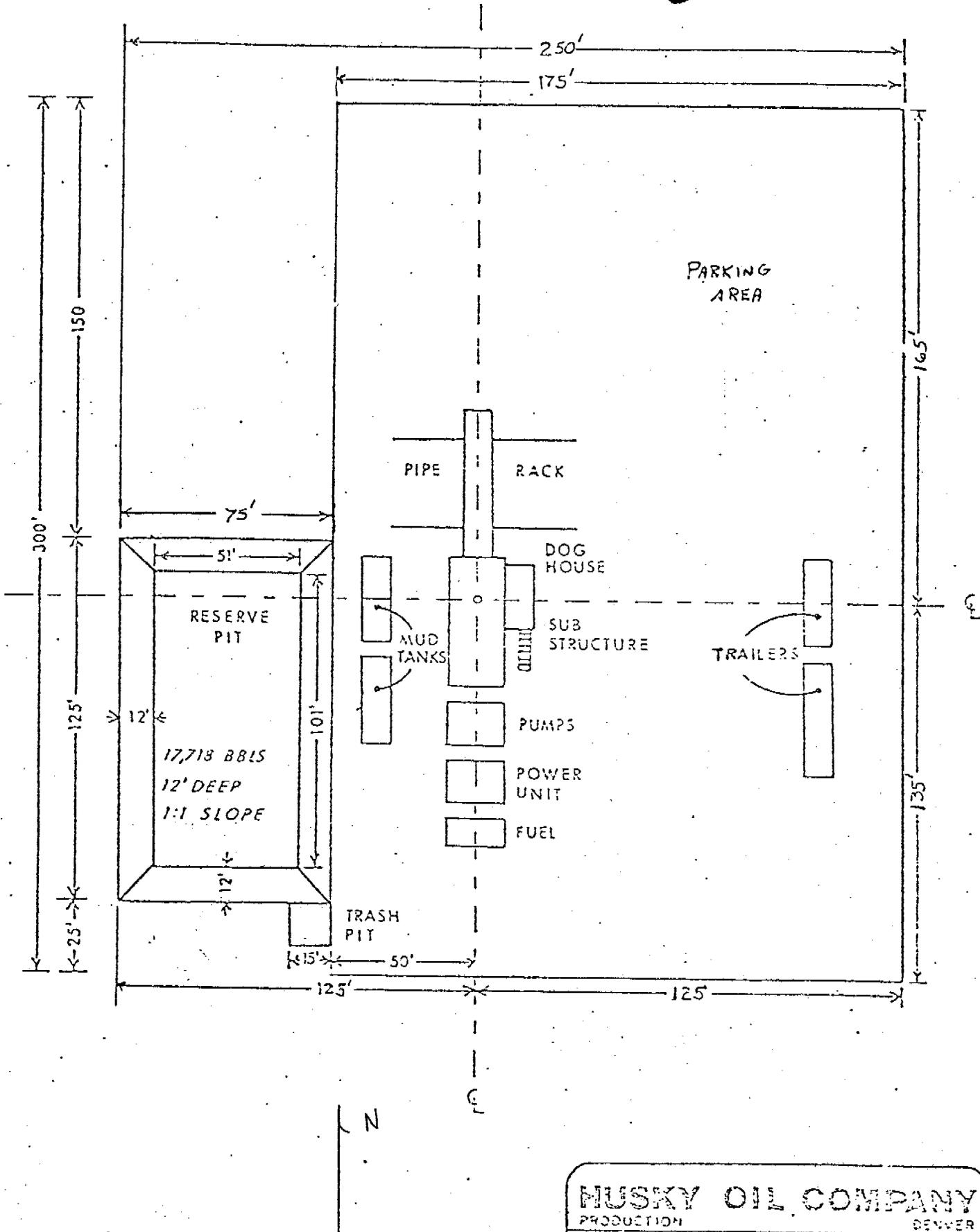
James E. Yates
Drilling Engineer
Husky Oil Company



-  REHABILITATED AREA
-  Existing Access
-  Proposed Access

MUSKY OIL COMPANY	
PRODUCTION	DENVER
EXHIBIT "C"	
PRODUCTION LAYOUT	
SCALE: 1" = 50'	DATE: 12/21/79

10-13 E Level



MUSKY OIL COMPANY	
PRODUCTION	DENVER
EXHIBIT "D"	
DRILLING	LAYOUT
SCALE: 1" = 50'	DATE: 12/21/79

HUSKY OIL
NO. 10-13 FEDERAL

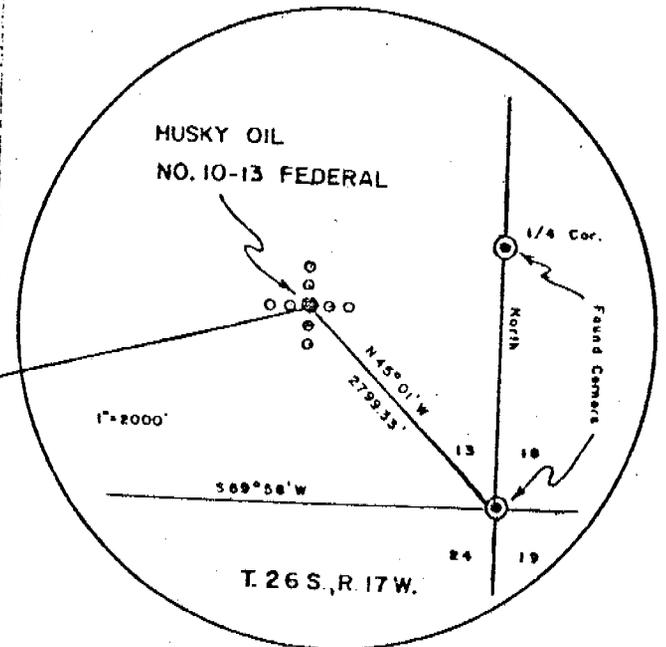
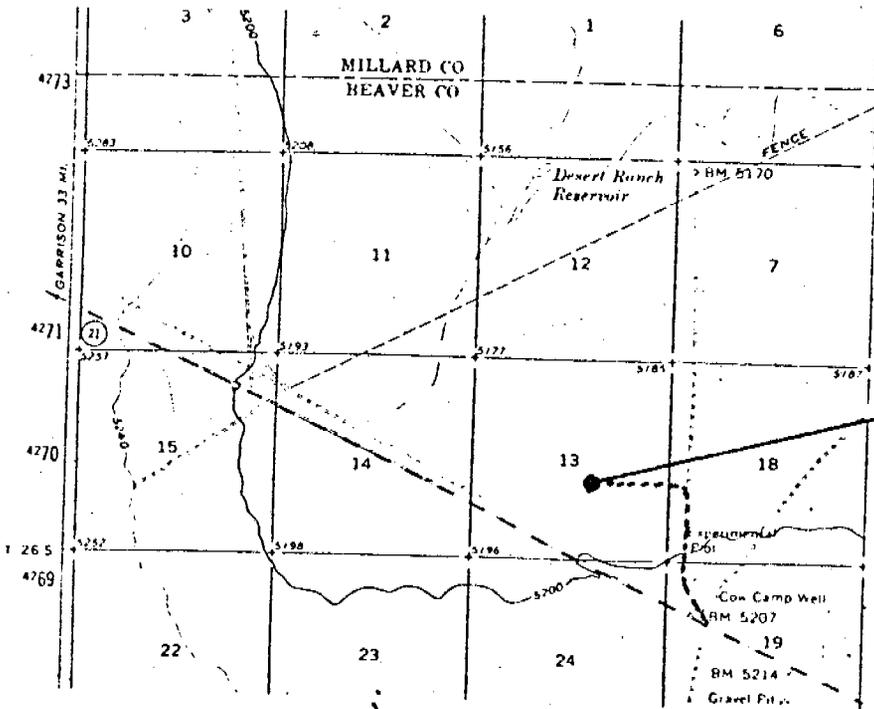
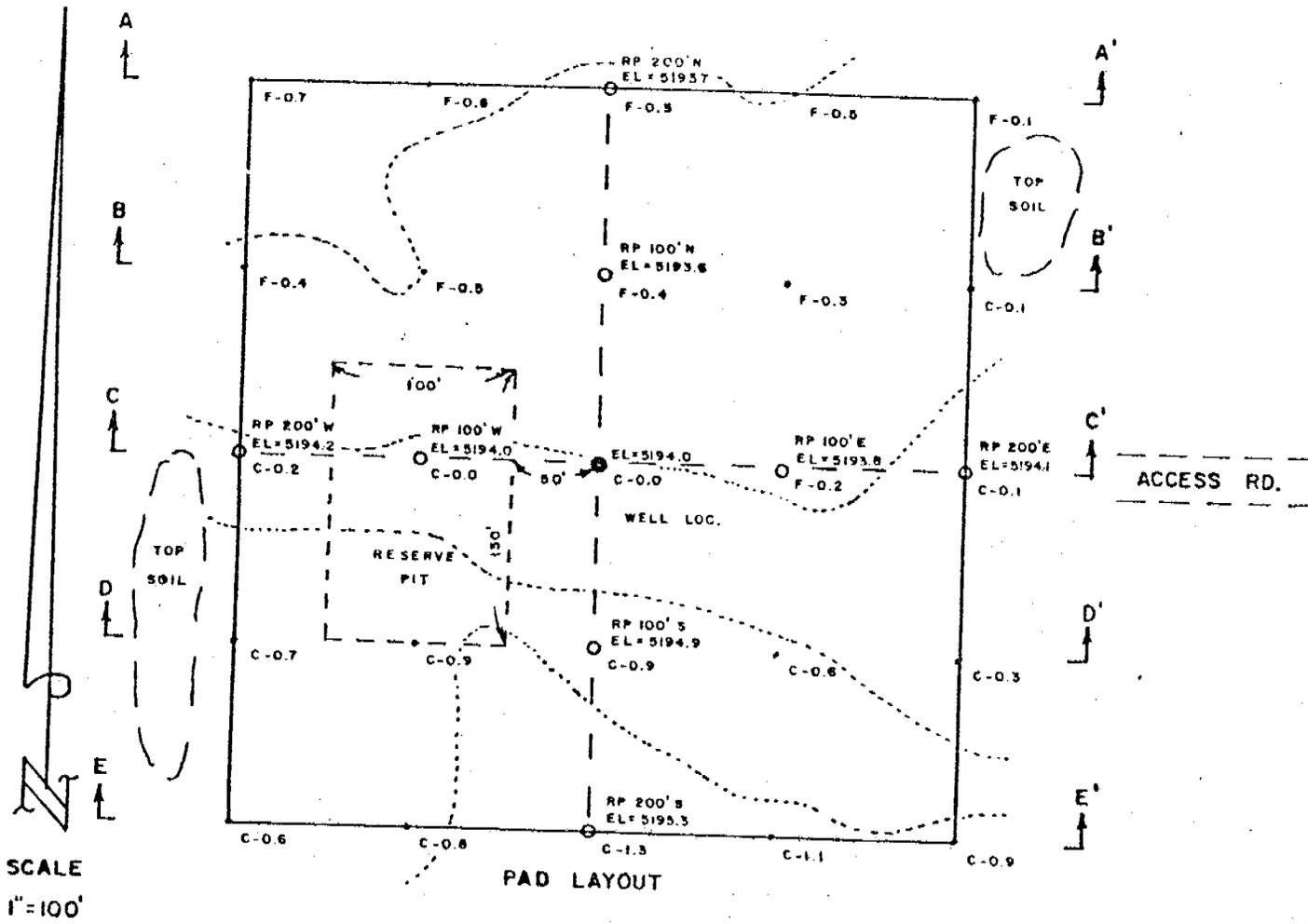
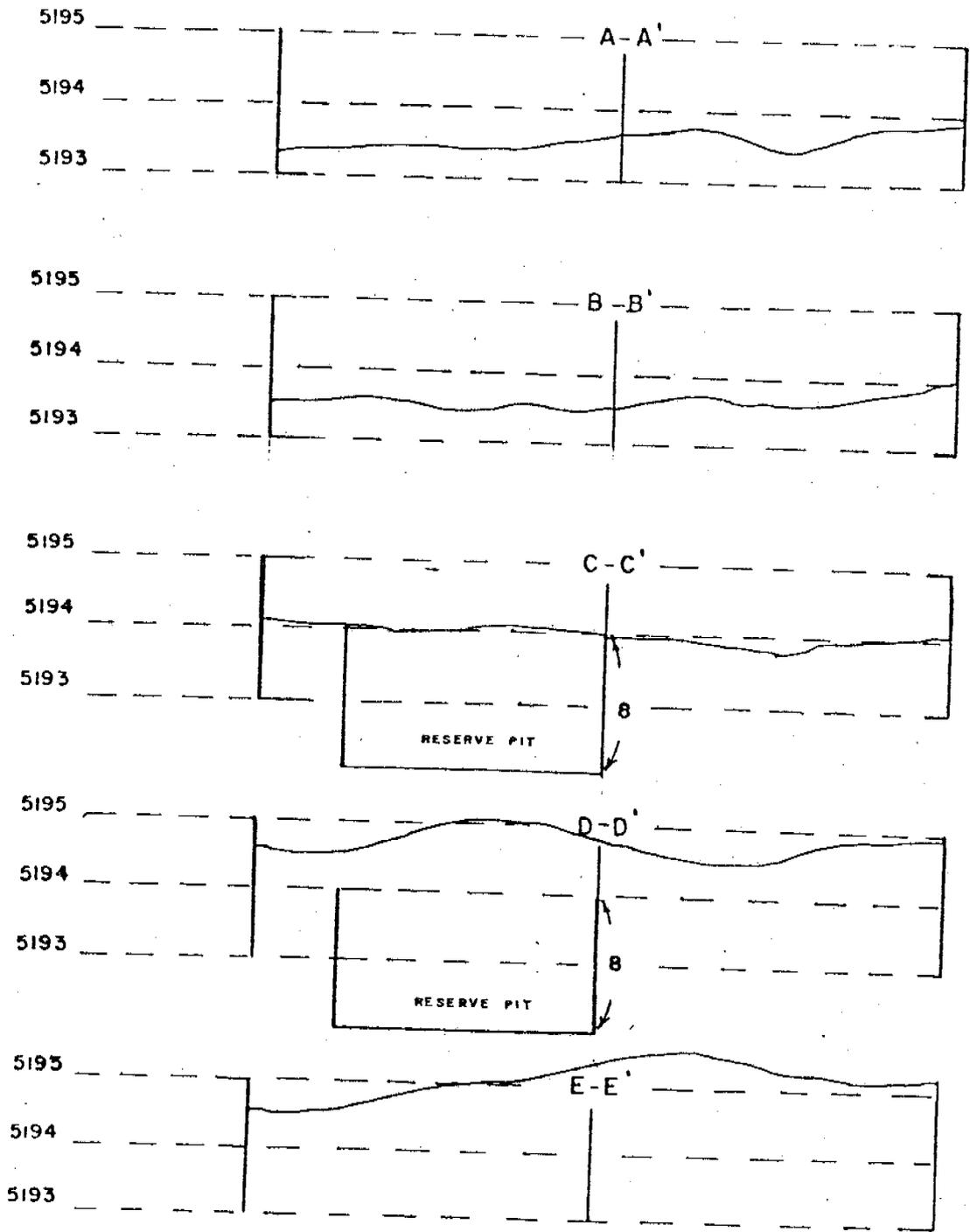


Exhibit "E"

POWERS ELEVATION

GRAND JUNCTION, COLORADO

BY GORDON HARWARD



CROSS SECTIONS

SCALE
HORIZ. 1"=100'
VERT. 1"=5'

Exhibit "F"
Cross Sections of
Location (keyed to
Exhibit "E")

POWERS ELEVATION	GRAND JUNCTION, COLORADO	BY GORDON HARWARD
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November 25, 1980

Husky Oil Company
600 So Cherry St.
Denver, Colo 80222

Re: Well No. Fed 10-13
Sec. 13, T. 26S, R. 17WW
Blaver, Utah, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Rule C-3, General Rules and Regulations 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
Home: 876-3001
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. 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 for this well is 43-001-30004.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Original Signed by C. B. Fulgh

~~Michael T. Minder~~
~~Petroleum Engineer~~

/do
... necc

DUPLICATE

SUBMIT IN TRIPlicate
(Other instructions on reverse side)

Form approved
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

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

2. NAME OF OPERATOR
 Husky Oil Company

3. ADDRESS OF OPERATOR
 600 So. Cherry St., Denver, CO 80222

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 1980' FSL and 1980' FEL
 At proposed prod. zone
 Straight hole

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 44 miles West-Northwest of Milford, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 1980' FLL N/A

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

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5194' GR

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9-5/8"	36#	+500'	Circulate to surface
8-3/4"	7"	23# & 26#	7200'	+ 600 SX

We propose to drill the captioned well to test the Tertiary Volcanics. We propose to test all shows of oil and/or gas deemed worthy of test and to set casing, as above, or to plug and abandon in accordance with instructions received from the U.S.G.S.

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 James E. Yates TITLE Drlg. Engineer DATE Oct. 31, 1980

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY WJ Mouton FOR E. W. GUYNN DISTRICT ENGINEER DATE JAN 15 1981
 CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

NOTICE OF APPROVAL

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

State Oil & Gas



United States Department of the Interior

IN REPLY REFER TO

3100
U-040

BUREAU OF LAND MANAGEMENT
Cedar City District Office
P.O. Box 724, 1579 North Main
Cedar City, Utah 84720

December 30, 1980

Mr. Ed Gwynn
U.S. Geological Survey
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

Dear Mr. Gwynn:

I am enclosing a list of Surface Management Stipulations which we recommend be attached to any approval by your office of Husky Oil Company's application to drill wildcat wells 10-13, 6-12 and 1X-11 northwest of Milford, Utah.

Clearances for archeology and threatened and endangered species of plants and wildlife are also enclosed.

Sincerely,

J. Kent Bills

ACTING
District Manager

Enclosures: 4

*Husky oil
10-13
Sec 13 - 26S - 17W
Beaver County Utah
U-35114*

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 Husky Oil Company
Project Type Oil Well
Project Location 1980' FSL and 1980' FEL SEC 13 T26S R17W
Well No. 10-13 Lease No. U-35114
Date Project Submitted 11-6-80

FIELD INSPECTION Date 12-10-80

Field Inspection
Participants

<u>George Diwachak</u>	<u>USGS</u>
<u>Paul W. Carter</u>	<u>BLM</u>
<u>Larry Navacek</u>	<u>Husky Oil Co.</u>
<u>Clark B. Howard</u>	<u>Howard Construction Co.</u>
<u>Dennis L. Henrie</u>	<u>" " "</u>

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.

1-12-81
Date Prepared

George J. Diwachak
Environmental Scientist

I concur

1/13/81
Date

E. L. [Signature]
District Supervisor

SURFACE MANAGEMENT STIPULATIONS

Approval of Husky Oil Company's 13 Point Development Plan for drilling wildcat wells 10-13, 6-12 and 1X-11 located in T. 26 S., R. 17 W., sections 13, 12 and 11, respectively, is subject to the following stipulations:

A. General

All survey monuments, witness corners and reference monuments should be protected against destruction, obliteration or damage. Any markers so affected must be reestablished at the lessee's expense in accordance with accepted BLM survey practices.

B. Site Construction

The access road to the site will be limited to a total width disturbance of 30 feet.

C. Rehabilitation

1. The entire site will be restored as nearly as possible to its original condition. Topsoil will be spread over the area so as to conform to the topography.
2. The following seed mixture will be applied to all disturbed areas after replacing topsoil.

		<u>Pounds/Acre</u>	
		<u>Broadcast</u>	<u>Drilled</u>
<u>GRASSES</u>			
Blue grama	Bouteloua gracilis		
Squirreltail	Sitanion hystrix/or Russian wildrye	1½	1
Curly grass	Hilaria jamesii <u>optional</u>	1½	1
Indian ricegrass	Oryzopsis hymenoides	1½	1
Needleandthread	Stipa comata	1½	1
Sand dropseed	Sporobolus cryptandrus <u>optional</u>	1½	1
<u>FORBS</u>			
SPHAELCIA	Globemallow	1½	1
	Alfalfa (Nomad or Ladak)	1½	1
	Drought resistant species		
<u>BROWSE</u>			
Bud sagebrush	Artemesia spinescens	1½	1
Fourwing saltbush	Atriplex canescens	1½	1
Nevada mormontea	Ephedra nevadensis <u>optional</u>	1½	1
Shadscale	Atriplex confertifolia <u>optional</u>	1½	1
Winterfat	Eurotia lanata	1½	1
		<u>12</u>	<u>8</u>

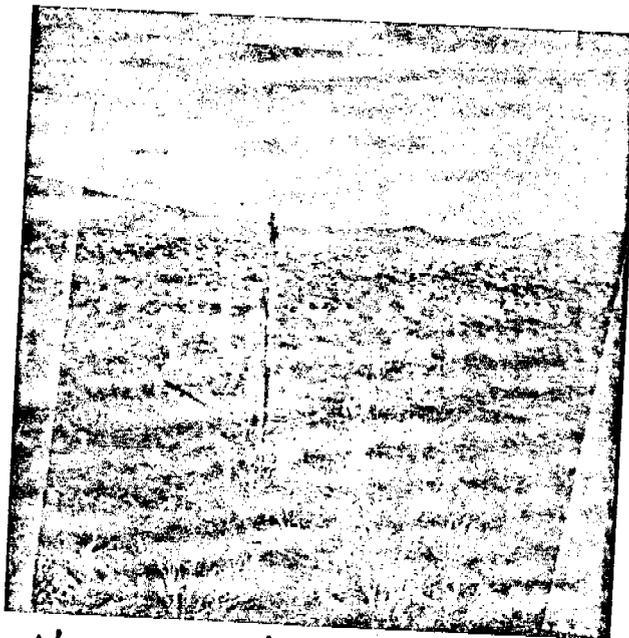
3. Seeding will be repeated until satisfactory revegetation is accomplished.
4. All work that is required to rehabilitate the site should be completed within one month after completion of drilling activities.

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria 516 D-2.3.A	Federal/State Agency			Local and private correspondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
	Correspondence (date)	Phone check (date)	Meeting (date)						
Public health and safety								12-10-80	
Unique characteristics						1	6	6	8,4
Environmentally controversial						1	6	6	4
Uncertain and unknown risks							6	6	4
Establishes precedents							6		4
Cumulatively significant							6	6	4
National Register historic places						1			
Endangered/threatened species						1			
Violate Federal, State, local, tribal law							6		

CATEGORICAL EXCLUSION REVIEW COMMON REFERENCE LEGEND

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



Husky Oil Co
10-13

↑
N

RECOMMENDED STIPULATIONS

1. A BLM Right of Way Permit must be secured for use of off-lease roads
2. Any improvements to existing roads shall follow specifications outlined in Item 2 of the Surface Use Plan of the APD
3. Total disturbed width of all roads constructed or improved shall be limited to 30 ft.

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

WELL INSPECTION RECORD

NAME OF COMPANY: Husky Oil Co.

WELL NAME: Fed. 10-13

SECTION: NW SE 13 TOWNSHIP: 26S RANGE: 17W COUNTY: Beaver

DATE: 3-4 1981 LOCATION INSPECTED

TOTAL DEPTH: 7200' AT TIME OF VISIT

NAME OF DRILLING CONTRACTOR: Cardinal

RIG NUMBER: #2

COMMENTS:

Cardinal Drilling was fishing at this time, a 267' fish is lodged in the
hole with the top at 6491'. The casing program thus far is 16" @ 40' and 9 5/8"
@ 1526', both cemented to the surface. A loss circulation zone was encountered
at 3450⁺ other than this drilling has moved along rapidly. Three DST's were
taken : 1) 4863-5159' (failed); 2) 4912-5159' (recovered 3748' MCW); 3)
6280-6341' (recovered 190' mud).

The operations are clean, housekeeping is good, the BOP's are in and oper-
able, and the reserve pond is structurally sound and fenced.

DATE: 3-4-81 SIGNED: MTM *M. J. M.*

SEND TYPED COPY TO COMPANY: YES NO x

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

RECEIVED
MAY 1 1981
DIVISION OF
OIL, GAS & MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number FEDERAL 10-13
Operator HUSKY OIL COMPANY Address 600 S. CHERRY ST.
DENVER, CO 80222
Contractor CARDINAL DRILLING COMPANY Address P.O. Box 1077
BILLINGS, MT 59103
Location NW 1/4 SE 1/4 Sec. 13 T: 26S R. 17W County BEAVER

Water Sands

	<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
	From	To	Flow Rate or <u>Head</u>	Fresh or Salty
1.	<u>4912'</u>	<u>5159'</u>	<u>3748'</u>	<u>FRESH</u>
2.			<u>(WATER-CUT MUD & WATER)</u>	
3.				
4.				
5.				

(Continue of reverse side if necessary)

Formation Tops TERTIARY VOLCANICS - 4850'

Remarks

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

Vera Chandler
3-12-81

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

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

10

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

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

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

2. NAME OF OPERATOR
Husky Oil Company

3. ADDRESS OF OPERATOR
600 S. Cherry St., Denver, Colo. 80222

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1980' FSL & 1980' FEL, NW/4 SE/4
At top prod. interval reported below Same
At total depth Same

14. PERMIT NO. 43-001-30004
DATE ISSUED Approved 1/15/81
DIVISION OF OIL, GAS & MINING
OGM 11/24/80

5. LEASE DESIGNATION AND SERIAL NO.
U-35114

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
10-13

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 13-26S-17W

12. COUNTY OR PARISH Beaver
13. STATE Utah

15. DATE SPUNDED 2/2/81
16. DATE T.D. REACHED 3/8/81
17. DATE COMPL. (Ready to prod.) N/A
18. ELEVATIONS (DF, RSB, RT, GR, ETC.)* 5194' GR
19. ELEV. CASINGHEAD --

20. TOTAL DEPTH, MD & TVD *7048' MD, 7048' TVD
21. PLUG, BACK T.D., MD & TVD N/A
22. IF MULTIPLE COMPL., HOW MANY* N/A
23. INTERVALS DRILLED BY → Rotary Tools All Cable Tools None

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
*Lost hole-2717' new hole upon going back in
25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN
Mud log only
27. WAS WELL CORED No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36 & 32.3#	1526' KB	12-1/4"	400 sx BJ Light + Adds & 200 sx Cl "G" + Adds	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (3ID)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)
Plugged 1421-1626' w/85 sx Cl "G" w/3% CaCl₂.
10 sk plug w/dry hole marker @ surface.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

DATE FIRST PRODUCTION N/A
PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) N/A
WELL STATUS (Producing or shut-in) 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
(Mud log will be sent when received.)

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

SIGNED Vern Chandler TITLE Engr. Assistant DATE Mar. 23, 1981

*(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 23, and 33, below regarding separate reports for separate completions.

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

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

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

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

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

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Tertiary Volcanics	5100'	
Paleozoic	7100'	

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well gas well other Dry Hole

2. NAME OF OPERATOR
HUSKY OIL COMPANY

3. ADDRESS OF OPERATOR
6060 S. Willow Drive, Englewood, CO 80111

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1980' FSL & 1980' FEL, NW $\frac{1}{4}$ SE $\frac{1}{4}$
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH: Same

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

REQUEST FOR APPROVAL TO:

- TEST WATER SHUT-OFF
- FRACTURE TREAT
- SHOOT OR ACIDIZE
- REPAIR WELL
- PULL OR ALTER CASING
- MULTIPLE COMPLETE
- CHANGE ZONES
- ABANDON*
- (other) Site Reclamation

SUBSEQUENT REPORT OF:

RECEIVED
APR 20 1983

-
-
-
-

DIVISION OF
OIL, GAS & MINING

5. LEASE
U-35114

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
10-13

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 13, T26S, R17W

12. COUNTY OR PARISH
Beaver

13. STATE
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5194' GR

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

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

In March, 1983, subject location was restored by Howard Construction Company of Panguitch, Utah (801/676-2312):

Pit was backfilled and leveled. Area was harrowed and reseeded.

We trust the above completes your requirements for site reclamation.

cc: BLM - Cedar City, Utah
Howard Construction Company
Glynn Mayson - Utah Field Superintendent

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Vera Chandler Vera Chandler 303/850-1462
TIT Assoc. Environmental Analyst Date April 21, 1983

(This space for Federal or State office use)

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