

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG ELECTRIC LOGS FILE **X** WATER SANDS LOCATION INSPEC SUB. REPORT/abd.

DATE FILED **11-25-91**
 LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. **U-57878** INDIAN

DRILLING APPROVED: **12-17-91**

SPUDED IN: **0-1-90**

COMPLETED: PUT TO PRODUCING:

INITIAL PRODUCTION:

~~Confidential~~

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED: **LA'D 11-22-93**

FIELD: **WILDCAT**

UNIT:

COUNTY: **SAN JUAN**

WELL NO. **PERIDOT UNIT FED. 22-31H**

API NO. **43-037-31657**

LOCATION **2000' FNL** FT. FROM (N) (S) LINE. **1620' FWL** FT. FROM (E) (W) LINE. **SE NW** 1/4 - 1/4 SEC. **31**

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
31S	23E	31	MERIDIAN OIL INC.				

BLM (and DCGM)
shouldn't have
rescinded APD
(43-037-31657) in
the first place.
well was spudded!!
(Dry Hole)

APD approved 1-28-92 (43-037-31657)
Spudded (Dry Hole) 2-1-92
BLM said APD expired I asked for new one
DCGM laid the well 11-22-93
DCGM approved new APD 12-14-93 (APD
43-037-31736)

5-22-95 Per LEC 5-16-95
telecon w/BLM, the BLM now
considers 43-037-31657 as
Drilling-Shut-in. They admit they made
an error in rescinding it in the
first place. They are now rescinding
the 2nd APD (43-037-31736). We will
humor them by rescinding it also,
and by putting 43-037-31657 back
into drilling.
Will leave files combined at
this time.

MERIDIAN OIL

November 22, 1991

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

Re: Application for Permit to Drill
22-31H Peridot Unit Federal
Sec. 31-T31S-R23E
San Juan County, Utah

Gentlemen:

Please find enclosed the subject Application for Permit to Drill and related exhibits.

Please be advised that Meridian Oil Inc. requests that all pertinent data for the above-referenced well be granted TIGHT-HOLE status.

If you have any questions or requirements, please feel free to contact me at (303) 930-9393.

Very truly yours,



Sally L. DuVall
Regulatory Compliance Representative

Enc.

/sld

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NOV 25 1991

DIVISION OF
OIL GAS & MINING

CONFIDENTIAL

Form 3160-3
(November 1983)
(formerly 9-331C)

SUBMIT IN TRIPPLICATE*
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires December 31, 1988

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.
U-57878

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
Peridot Unit Federal

9. WELL NO.
22-31H

10. FIELD AND POOL, OR WILDCAT
Wildcat 001

11. SEC. R. M., OR BLK. AND SURVY OR AREA
Sec. 31-T31S-R23E

12. COUNTY OR PARISH
San Juan

13. STATE
UT

17. NO. OF ACRES ASSIGNED TO THIS WELL
880*

20. ROTARY OR CABLE TOOLS
Rotary

22. APPROX. DATE WORK WILL START*
12-1-91

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
Meridian Oil Inc.

3. ADDRESS OF OPERATOR
5613 DTC Parkway, Englewood, CO 80111

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface 2000' FNL and 1620' FWL → SENEW
At proposed prod. zone See attached plat

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
Approx. 50 miles north of Monticello, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)
1020'

16. PROPOSED DEPTH
6700' TVD c/c/c/r

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

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
6251' GL

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PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	54.5#	800'	400 sx 35:65 Pozmix, 250 sx C1 "G"
12-1/4"	9-5/8"	40#	4650'	1200 sx 35:65 Pozmix, 350 sx C1 "G"
8-3/4"	5-1/2"	17#, 20#, 23#	9000'	1100 sx "G"

Oil and Gas Order No. 1 and Exhibits

- A: Survey Plat
- A-1: Horizontal Section Plat
- BL Eight-Point Drilling Plan
- C: BOP Diagram
- D: Multi-Point Surface Use Plat
- E: Access Roads
- E-1: Detail of Access Road
- E-2: 1-Mile Radius Map
- F: Production Lay-Out
- G: Cut Fill/Cross Sections
- H: Rig Layout

See attached Exploratory Unit Outline

Meridian Oil Inc. is properly bonded for drilling and plugging wells in Utah: State of Utah Bond No. 1536406, - Nationwide Bond No. UT0414.

RECEIVED

NOV 25 1991

DIVISION OF
OIL GAS & MINING

* Subject to formation of 10,895 acre federal exploratory unit.

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: Sally L. Swall TITLE: Regulatory Compliance Representative DATE: 11-5-91

(This space for Federal or State office use)

PERMIT NO. 43-037-31057 APPROVAL DATE: 12-17-91

APPROVED BY: [Signature] TITLE: [Signature] DATE: 12-17-91

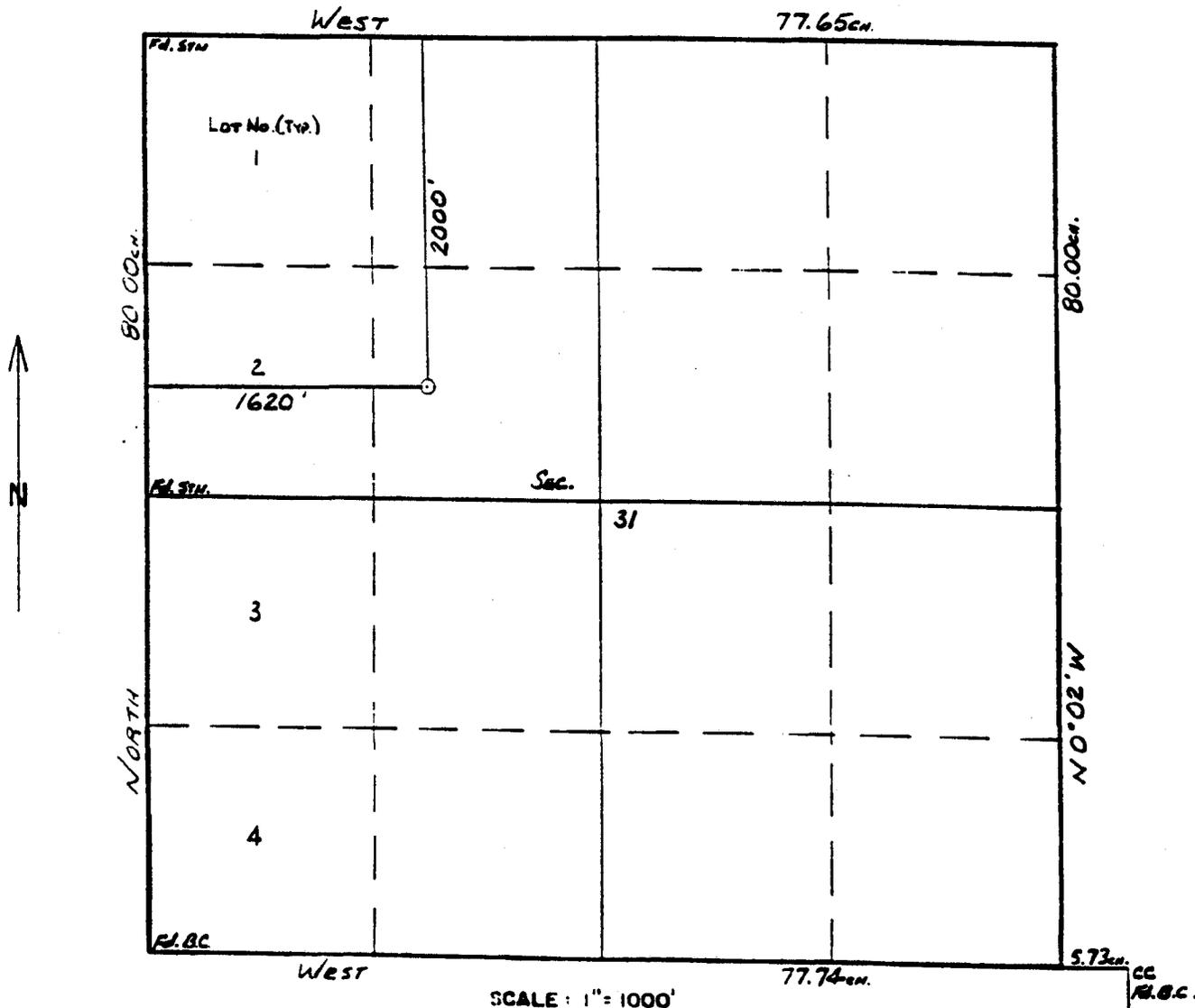
CONDITIONS OF APPROVAL, IF ANY: WELL SPACING 15-3-2

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 12-17-91
BY: [Signature]
WELL SPACING: 15-3-2

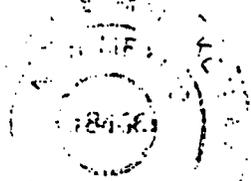
*See Instructions On Reverse Side

APD Approval Letter
Approval Date → Date 1-28-92

COMPANY MERIDIAN OIL, INC.
 LEASE PERIDOT UNIT FEDERAL WELL NO. 22-31H
 SEC 31, T. 31 S, R. 23 E
 COUNTY San Juan STATE Utah
 LOCATION 2000' FNL & 1620' FWL
 ELEVATION 6251

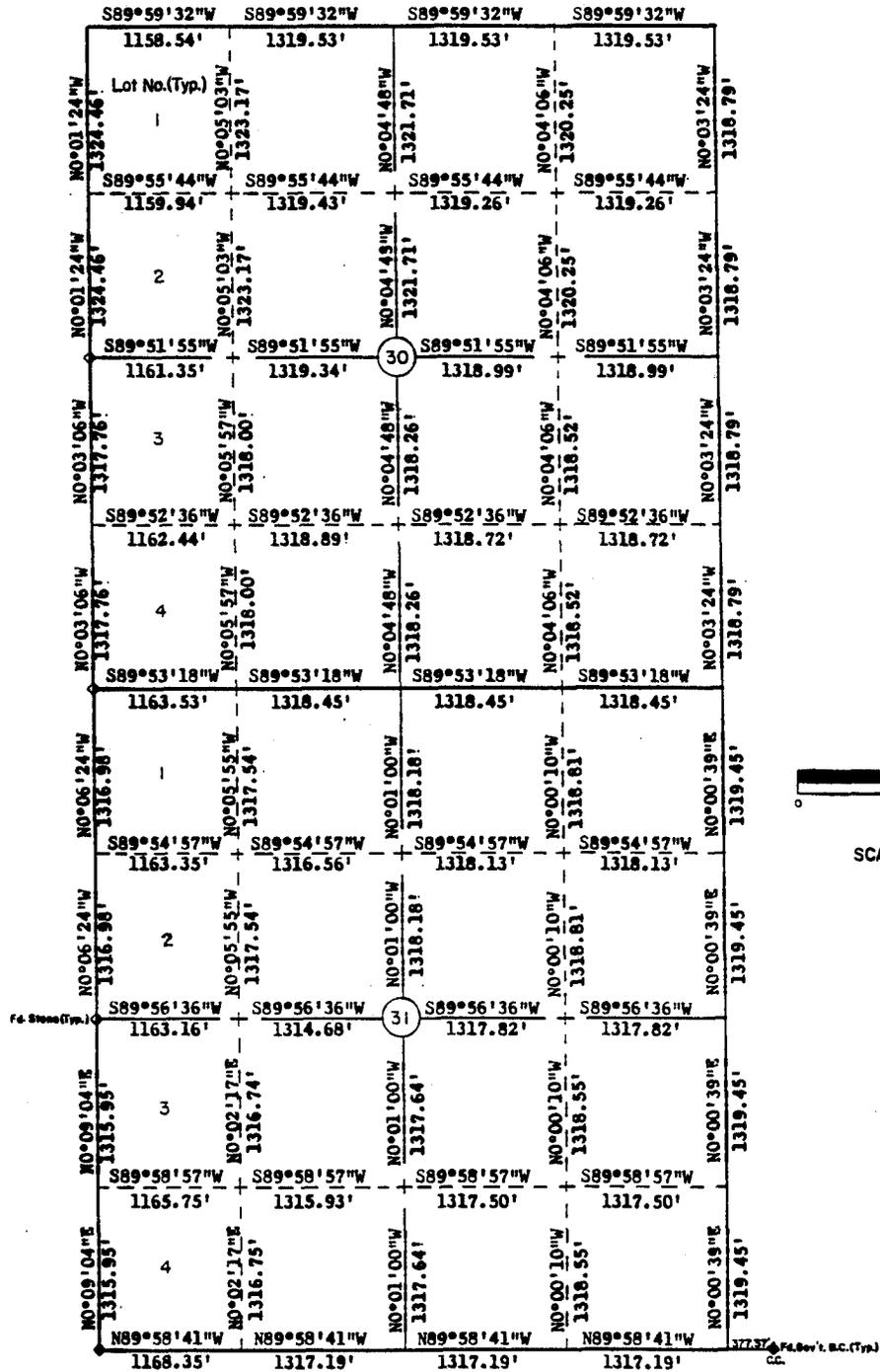


THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SEAL:  William E. Mahnke II
 WILLIAM E. MAHNKE II
 NEW MEXICO P.L.S. NO 8466

SURVEYED Oct. 17, 19 91

HORIZONTAL SECTION PLAT
 Prepared for MERIDIAN OIL, INC.
 Well Location: #22-31H
 2000' FNL & 1620' FWL
 Sec. 31, T31S, R23E, S.L.M.
 San Juan County, Utah



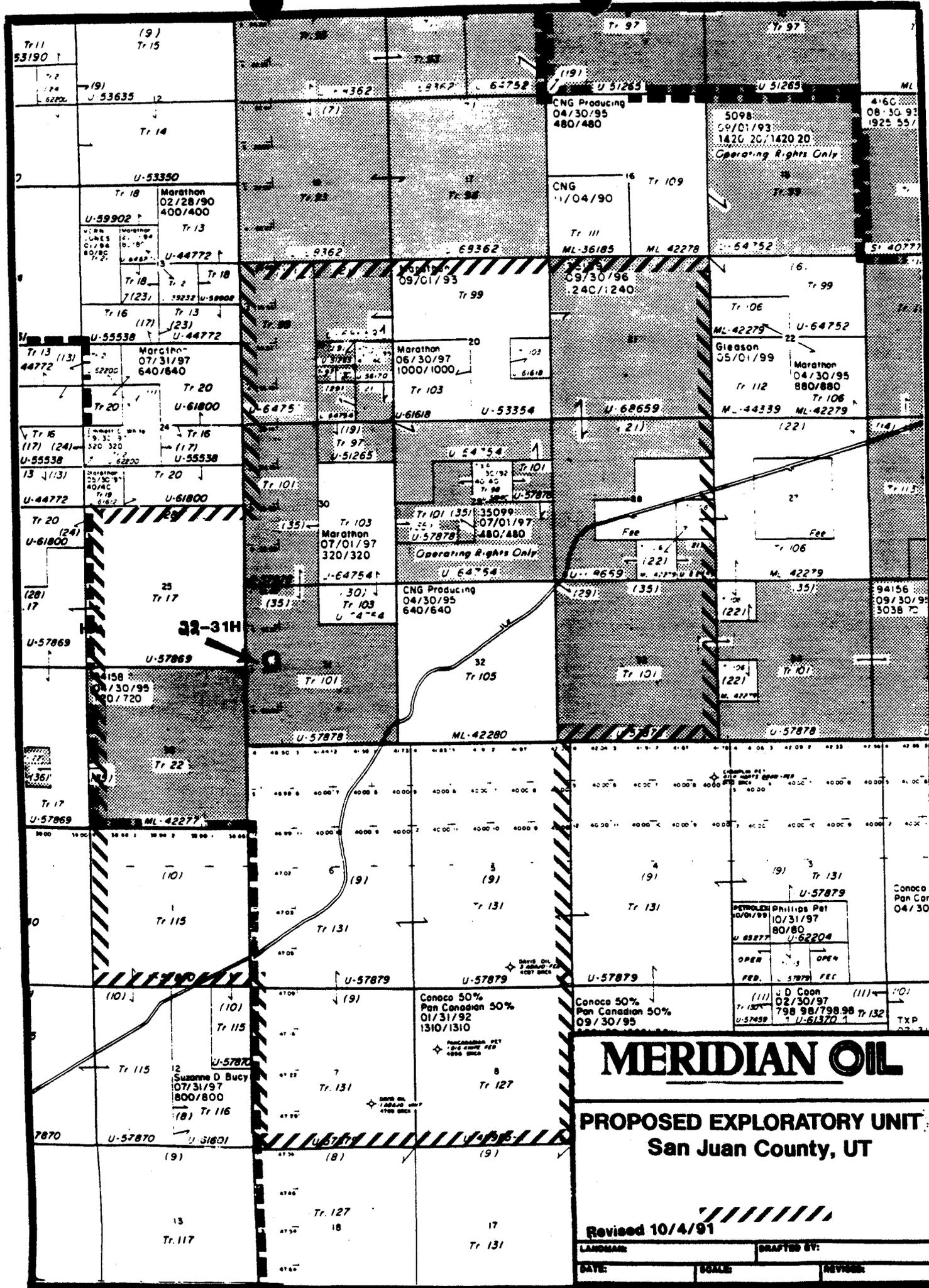
All corners shown on this plat were found on Oct. 17, 22, and 23, 1991. All distances not between found monuments are calculated from other sections. All bearings are based on the line SW Cor. Sec. 31, T31S, R23E to NE Cor. Sec. 25, T31S, R22E being North per G.L.O. plat dated March 28, 1914.

W.E. Mahnke II
 William E. Mahnke II
 New Mexico P.L.S. No. 8466

Date: 10-31-91



Prepared for: MERIDIAN OIL, INC. 5613 DTC PARKWAY ENGLEWOOD, CO. 80111	
POWERS ELEVATION CO., INC. P.O. Box 991 Farmington, N.M. 87499	
Drawn By: W.E.M. II	Date: Oct. 31, 1991



MERIDIAN OIL

PROPOSED EXPLORATORY UNIT
San Juan County, UT

Revised 10/4/91

LANDMAN:	DRAFTED BY:
DATE:	SCALE:
	REVISION:

Exhibit "B"

EIGHT POINT DRILLING PROGRAM

COMPANY: Meridian Oil, Inc.
WELL NAME: 22-31H Peridot Unit Federal
LOCATION: SENW Section 31, T31S-R23E
San Juan County, Utah

All lease/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders and the approved plan of operations. MERIDIAN OIL INC. is fully responsible for the actions of its subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

In addition, Meridian Oil Inc. is responsible under the terms and conditions of the subject lease for the operations on the lease.

1. Estimated Geological Markers

<u>Formation Tops</u>	<u>Depth</u>	<u>Subsea</u>
Navajo	Surface	
Chinle	765'	(+5555)
Moenkopi	1297'	(+5023)
Cutler	1393'	(+4927)
Hermosa	2893'	(+3427)
Ismay	4200'	(+2120)
Top of Salt	4524'	(+1796)
Akah	4642'	(+1678)
A Marker	5334'	(+ 986)
B Marker	5524'	(+ 796)
Cycle 19 Marker	6119'	(+ 201)
C Marker	6356'	(- 36)
Cycle 21 Marker	6404'	(- 84)
Cane Creek A	6572'	(- 252)
Cane Creek B	6599'	(- 279)
Cane Creek C	6625'	(- 305)
Base of Cane Creek	6664'	(- 344)
Mississippian Leadville	7229'	(- 909)

2. Estimated Depths of Anticipated Water, Oil, Gas or other Minerals

<u>Formation Tops</u>	<u>Depth</u>	<u>Subsea</u>	<u>Remarks</u>
Navajo	Surface	+5597'	Fresh Water
Ismay	4200'	+2120'	Oil, Gas, Water
Cane Creek	6599'	- 279	Oil, Gas

All fresh water and prospectively valuable minerals encountered during drilling, will be recorded by depth and adequately protected.

3. Pressure Control Equipment

The Moab BLM office will be notified 24 hours prior to the testing of BOPE.

- A. For the drilling of the 17-1/2" hole from surface to 800', a 8" flow line will be rigged up on the 20" conductor. See Exhibit C-1.
- B. For the drilling of the 12-1/4" hole from 800' to 4650' (See Exhibit C-2):
 - 13-5/8" 3M 13-3/8" weld on casinghead
 - 13-5/8" 3M spool w/outlets for kill and manifold lines
 - 13-5/8" 3M double ram BOP with both pipe and blind rams
 - 13-5/8" 3M spherical annular
- C. For the drilling of the 8-3/4" hole from 4650' to TD (See Exhibit C-3):
 - 11" 3M 13-5/8" X 5M 9-5/8" casing spool
 - 11" 5M spool w/outlets for kill and manifold lines
 - 11" 5M double ram BOP with both pipe and blind rams
 - 11" 5M spherical annular
 - Flow nipple w/flow and fill line
- D. Miscellaneous:
 - Accumulator will be 5M psi working pressure. BOP master controls will be at the accumulator; remote controls will be readily available to the driller.
 - Choke manifold: The line from the BOP to the choke manifold will be 3", 5M psi working pressure. Manual controls will be present for rams. Kill line and valves will have a minimum diameter of 2".
 - A hydraulically operated remote controlled choke, will be installed on the choke manifold (5M psi working pressure).
 - BOP's will be tested to maximum working pressure (3000 psi for the 13-5/8", 5000 psi for the 11") with a blanking plug at installation and pressure tested every 14 days thereafter. Pipe rams and blind rams will be functionally operated on trips. Annular preventer to be function tested a minimum of once per week.
 - Surface casing will be tested to 1500 psi. Intermediate casing will be tested to 2500 psi.

4. Casing Program

Surface Casing

<u>Hole Size</u>	<u>Size</u>	<u>Depth</u>	<u>Weight</u>	<u>Grade</u>	<u>Thread</u>	<u>Cond</u>
17-1/2"	13-3/8"	800'	54.5#/Ft	K-55	ST&C	NEW

Cement: 400 sx. of 35:65 Pozmix followed by 250 sx. of Class "G" cemented to surface.

Intermediate Casing

<u>Hole Size</u>	<u>Size</u>	<u>Depth</u>	<u>Weight</u>	<u>Grade</u>	<u>Thread</u>	<u>Cond</u>
12-1/4"	9-5/8"	4650'	40 #/Ft	N-80	LT&C	NEW

Cement: 1200 sx of 35:65 Pozmix followed by 350 sx of Class "G".

Production Casing

<u>Hole Size</u>	<u>Size</u>	<u>Depth</u>	<u>Weight</u>	<u>Grade</u>	<u>Thread</u>	<u>Cond</u>
8-3/4"	5-1/2"	0'-4200'	17#/Ft	N-80	LT&C	NEW
8-3/4"	5-1/2"	4200'-6100'	23#/Ft	P-110	LT&C	NEW
8-3/4"	5-1/2"	6100'-7000'	23#/Ft	P-110	BT&C	NEW
8-3/4"	5-1/2"	7000'-9000'	23#/Ft	N-80	BT&C	NEW

External Casing Packer set @ +/- 7800' MD
HOS Cementer to be placed in the Cane Creek "A" zone.

Cement: Lead slurry will be 300 sx. of Class "G".
Tail slurry will be 800 sx. of Class "G" with Salt Bond additives.

Cement will be placed from the external casing packer at 7000' to 4000'.

5. Proposed Mud Program

Description:

0' - 800':

Freshwater with Gel/Lime Sweeps to clean hole.

Mud Wt.: 8.6 - 9.2 Lb/Gal
Viscosity: 38 - 46
Yield Point: 12 - 18
API Fluid Loss: No Control

800' - 4200':

Low solids non-dispersed utilizing a
PHPA polymer for shale inhibition.

Mud Wt.: 8.7 - 9.1 Lb/Gal
Yield Point: 9 - 11
API Fluid Loss: 8 - 10 cc/30 min.

4200' - T.D. :

Invert Oil Mud

Mud Wt: 9.0 - 15.0 Lb/Gal
Yield Point 12 - 22
Viscosity: 40 - 55
HTHP Fluid Loss: ± 30 cc/30 min.

6. Coring, Logging and Testing Program

The 22-31H Peridot Unit Federal will be drilled as follows:

1. 17-1/2" hole to 800', run & cement 13-3/8" casing;
2. 12-1/4" hole to 4650', run open hole logs and run & cement 9-5/8" casing;
3. Drill an 8-3/4" hole to the Cane Creek "A", obtain 60' of oriented core;
4. Drill to a depth of 6660' (50' below the Cane Creek "C") run open hole logs and a gyro survey;
5. Set a cement plug at +/- 6040' and run a Vertical Seismic Profile (VSP) in the direction which is to be determined from core analysis;
6. Kick-off, build angle to 90 deg., and drill a 2000' horizontal leg;
7. Run a Digital Sonic and P.E.F. (Mineral Identification) log on drillpipe in the lateral section of the wellbore;
8. Run and cement 5-1/2" casing.

The points detailed below, are based upon this well being drilled in the manner outlined above.

A. Cores: A 60', vertical oriented core will be taken when the top of the Cane Creek "A" is encountered (+/- 6510').

B. Drill Stem Tests: None planned.

C. Logs:

DIL/SFL/SP/GR 800' - 4650'
CNL-LDT/GR/CAL 800' - 4650'

DIL/SFL/SP/GR 4650' - 6660'
CNL-LDT/GR/CAL 4650' - 6660'
BHC SONIC/GR/CAL 4650' - 6660'

VSP (Vertical
Seismic Profile) Surf. - 6040'

MWD GR 6040' - TD

DIGITAL SONIC/
M.I.F. LOG 6400' - TD (Drill pipe conveyed)

- D. **Vertical Seismic Profile:** The VSP will be run after the plug back cement plug has been set. The direction in which vibrator trucks will be placed in relation to surface location will be determined after core analysis has been completed.

One vibrator truck will initially be placed on location and two additional vibrator trucks will be placed approximately 4000' from surface location in the direction the VSP is to be run. The VSP tools will then be lowered into the wellbore, and a series of checkshots will be run with the truck that is on location. After the checkshots are complete, the truck that is on location will be driven over with the other two trucks for additional vibration capacity.

The VSP tools will then be lowered down to TD, and seismic shots will be taken at varying intervals up to surface. The results will then be processed by a portable workstation on location and results printed out. Additional refinements may be made to the raw data in Houston, where more advanced processing techniques can be performed on a mainframe computer.

- E. **Directional Surveys:** This well is planned as a medium radius horizontal well with 2000' of lateral hole and +/- 2600' of horizontal displacement in the desired azimuth. The exact footages of where this well will be terminated are not known due to the variability of the azimuth. It is intended to send sundry notices detailing azimuth, footages from hardlines and a copy of the gyro survey as soon as the azimuth is determined based upon core analysis.

Surveys will be taken approximately every 30' during the build and +/- 90' during the horizontal portion of this wellbore.

- F. **Samples:** Samples will be taken every 30' from surface to 6000' and every 10' from 6000' to TD.
- G. **Mud Logger:** Mud logger will be on location from 3000' to TD.
- H. **Completion Procedure:** The Cane Creek interval is expected to flow naturally upon initial completion.

7. Anticipated abnormal BHP or BHT

The Cane Creek is expected to have abnormal pressure. Anticipated BHP is +/- 5000 psi. Offset BHT data indicates a static BHT of +/- 120 F.

No H₂S is anticipated in this area.

8. Other Information

Auxiliary equipment: See attached Exhibits "C-1", "C-2", "C-3" - BOP diagrams.

9. Anticipated Starting Dates

Spud Date: December 1, 1991

Drilling Days: 57

1 week to move drilling rig off and completion rig on.

14-21 days of initial completion work.

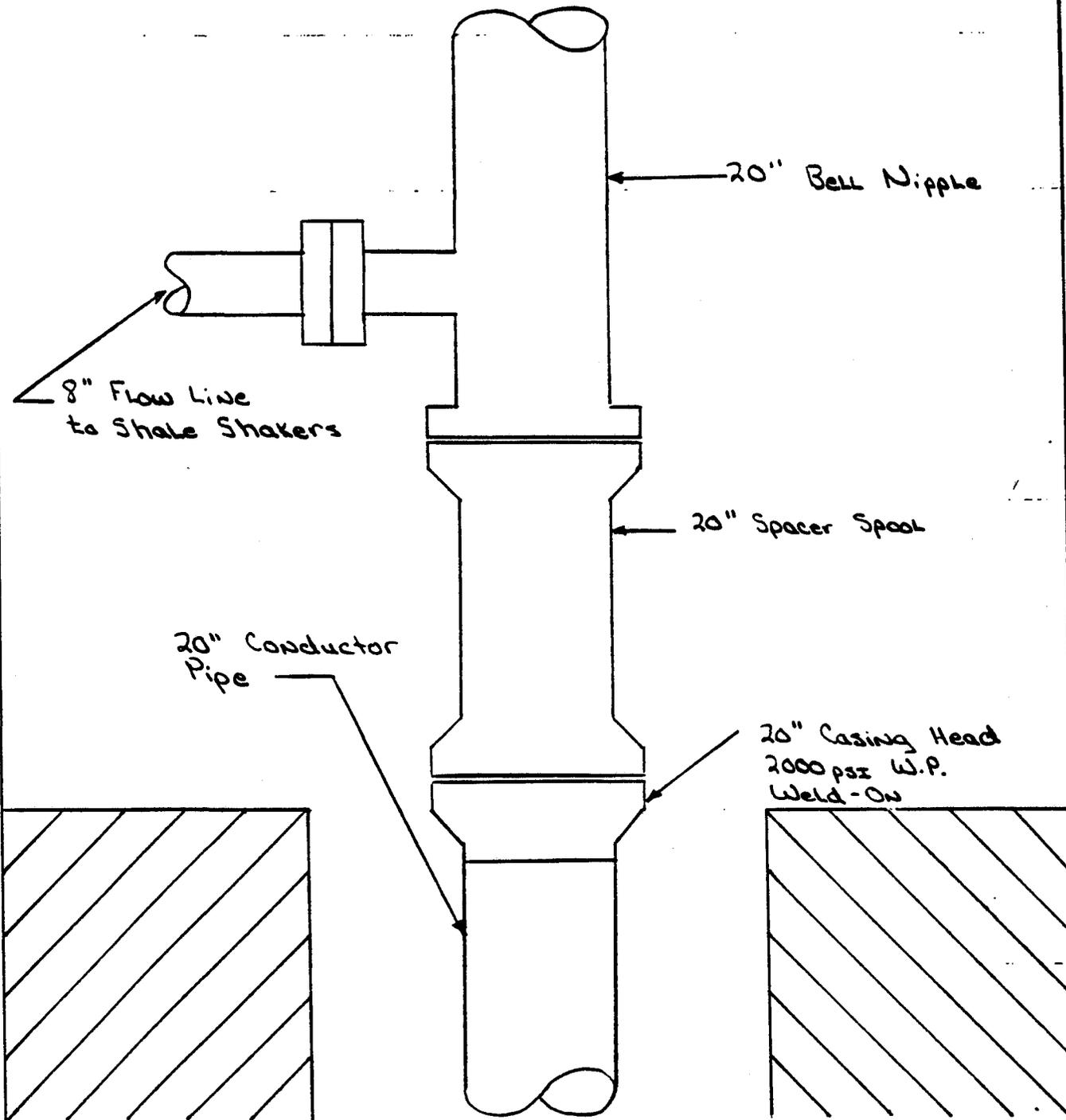
7-14 days to install production facilities.

st/273

Surface Diverter System

Exhibit "C-1"

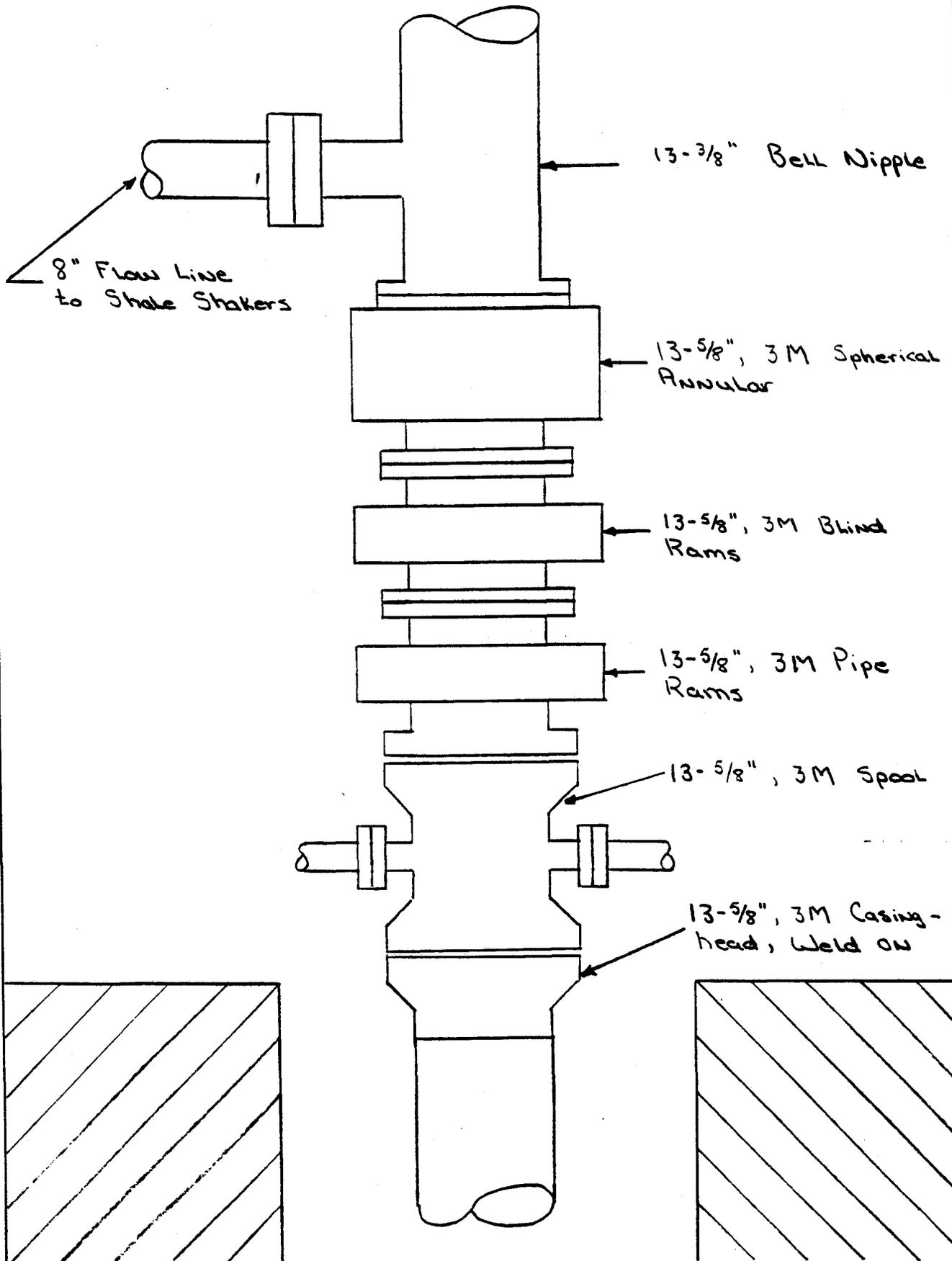
22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



Scale: NTS

12-1/4" Hole Diverter System
Exhibit "C-2"
Pg. 1 of 2

22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



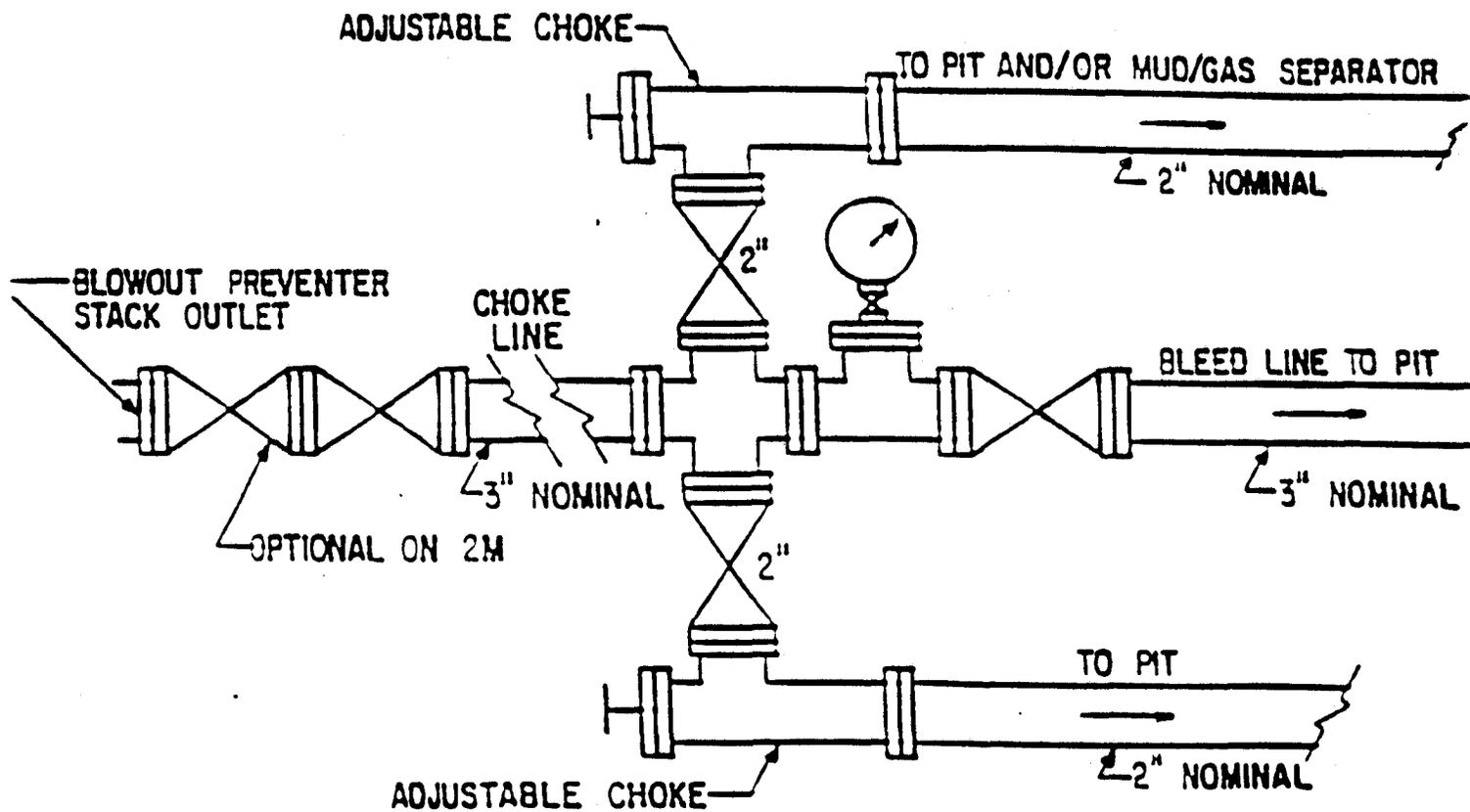
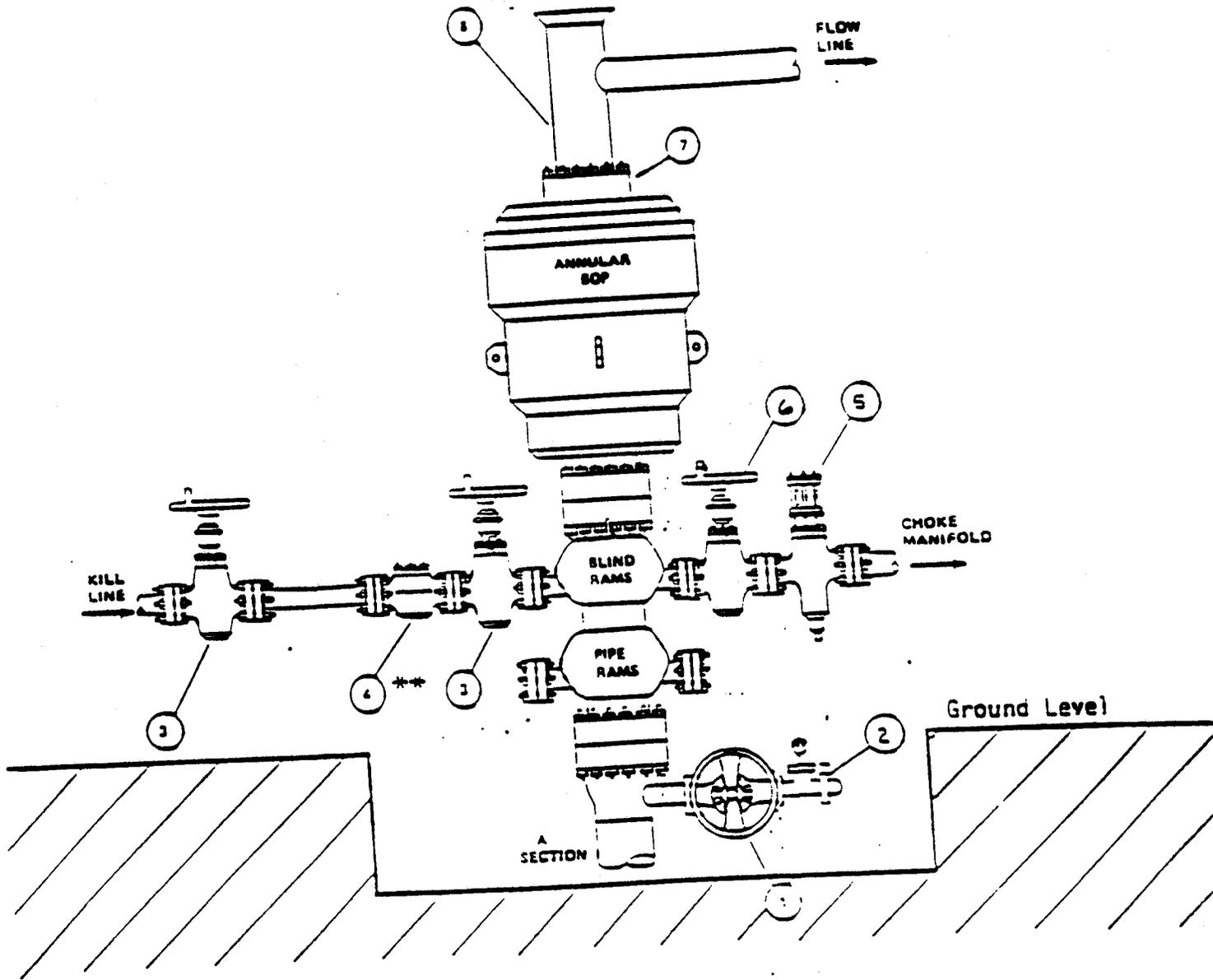


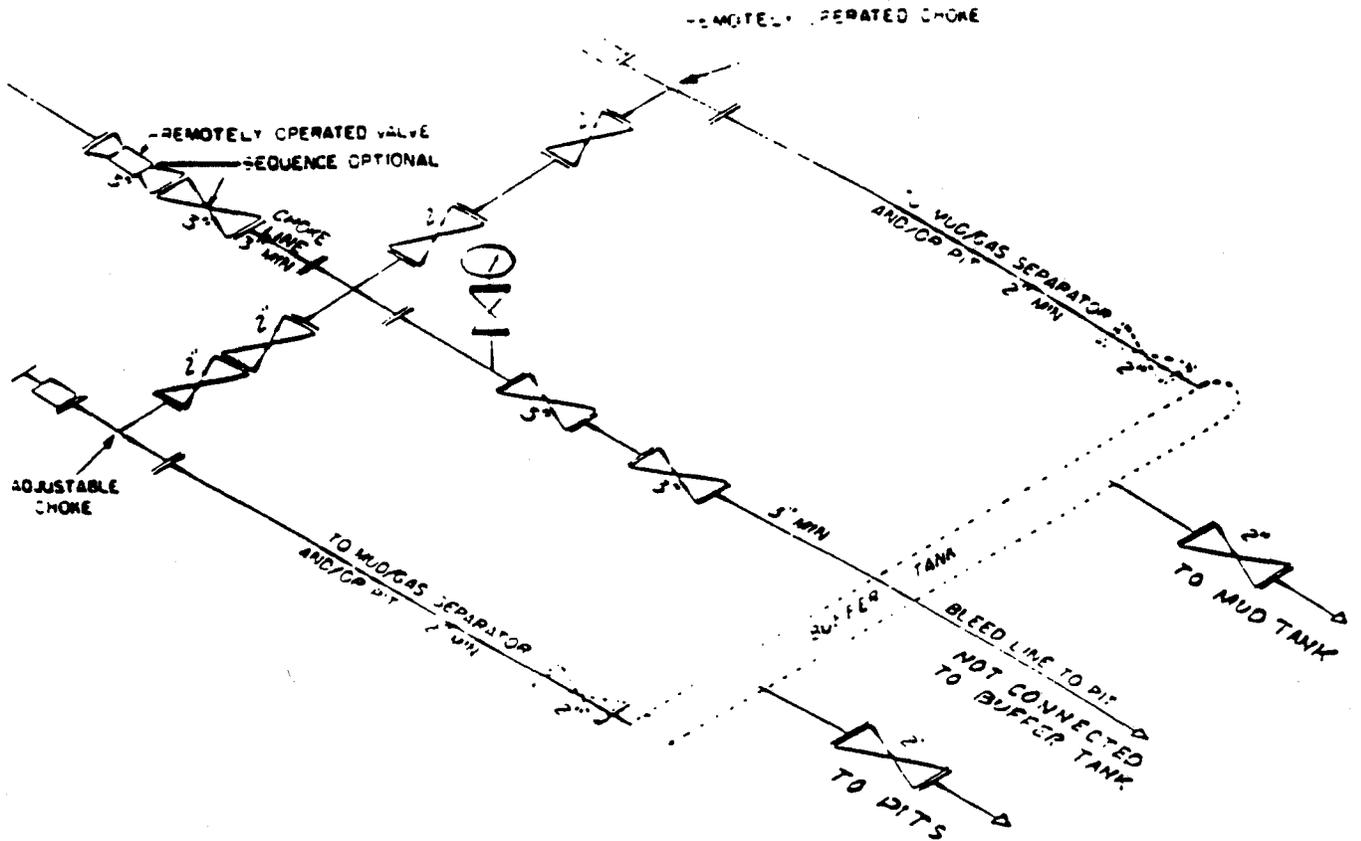
FIG. 3.A.1

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

BLOWOUT PREVENTER (TYPICAL)



1. Screwed or flanged plug or gate valves — 2" minimum nominal dia. — same working pressure as "A" section.
2. Tee with tapped bullplug, needle valve, and pressure gauge.
3. Flanged plug or gate valve — 2" minimum nominal dia. — same working pressure as BOP stack.
4. Flanged flapper type check valve — 2" minimum nominal dia. — same working pressure as BOP stack.
5. Flanged hydraulically controlled gate valve — 3" minimum nominal dia. — same working pressure as BOP stack.
6. Flanged plug or gate valve — 3" minimum nominal dia. — same working pressure as BOP stack.
7. Top of annular preventer must be equipped with an API flange ring gasket. All flange studs must be in place or holes filled in with screw type plugs.
8. The I.D. of the bell nipple must not be less than the minimum I.D. of the BOP stack.



5M CHOKER MANIFOLD EQUIPMENT — CONFIGURATION MAY VARY

Although not required for any of the choke manifold systems, buffer tanks are sometimes installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together. When buffer tanks are employed, valves shall be installed upstream to isolate a failure or malfunction without interrupting flow control. Though not shown on 2M, 3M, 10M, or 15M drawings, it would also be applicable to those situations.

(FR Doc. 88-26738 Filed 11-17-88; 2:45 am)
 BILLING CODE 4310-04-6

Self-Certification of Operator

Be advised that Meridian Oil Inc. is considered to be the operator of Well No. 22-31H Peridot Unit Federal, SENW, Sec. 31, T. 31 S., R. 23 E., Lease U-57878, San Juan County, Utah, and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond Coverage for this well is provided by Bond No. UT-0414. (Principal St. Paul Fire and Marine Life Insurance, St. Paul, Minnesota) via surety consent as provided for in 43 CFR 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.

By: _____

Sally L. DuVall
Sally L. DuVall
Regulatory Compliance Rep.
MERIDIAN OIL INC.
5613 DTC Parkway
Englewood, CO 80111



STATE OF UTAH
NATURAL RESOURCES
Water Rights

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Robert L. Morgan, State Engineer

Southeastern Area • 453 S. Carbon Avenue • P.O. Box 718 • Price, UT 84501-0718 • 801-637-1303

December 11, 1991

RECEIVED

DEC 13 1991

DIVISION OF
OIL GAS & MINING

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

Re: Meridian Oil Inc.
Peridot 22-31H: Section 31, T31S, R23E, SLB&M

Dear Tammy:

Enclosed is the authorization for the use of the water under file #05-570 (D838), held by Norma P. Blankenagel of LaSal, Utah. The water will be hauled to the well by LaSal Trucking, Inc.

No further authorization with reference to a water right will be needed by this office. If you have any questions concerning the enclosed, please feel free to contact me.

Sincerely,

Mark P. Page
Regional Engineer

Enclosure
MPP/mjk

RECEIVED

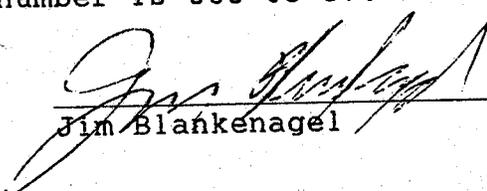
DEC 9 1991

Date: 12-3-91

WATER RIGHTS
PRICE

I, Jim Blankenagel of Rattlesnake Ranch, hereby authorize La Sal Trucking, Inc. to haul water to Meridian Oil's location, Peridot 22-31H, described as 1620 ft. from the West line & 2000 ft. from the North line of the SE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 31, T31S, R23E, SLB&M, San Juan County, Utah.

Rattlesnake Ranch's permit number is 838-05-570.



Jim Blankenagel

STATE ACTIONS

Mail to:
RDCC Coordinator
116 State Capitol
Salt Lake City, Utah 84114

1. ADMINISTERING STATE AGENCY
OIL, GAS AND MINING
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
2. STATE APPLICATION IDENTIFIER NUMBER:
(assigned by State Clearinghouse)
3. APPROXIMATE DATE PROJECT WILL START:
December 1, 1991
4. AREAWIDE CLEARING HOUSE(S) RECEIVING STATE ACTIONS:
(to be sent out by agency in block 1)
Southeastern Utah Association of Governments
5. TYPE OF ACTION: Lease Permit License Land Acquisition
 Land Sale Land Exchange Other _____
6. TITLE OF PROPOSED ACTION:
Application for Permit to Drill
7. DESCRIPTION:
Meridian Oil Inc. proposes to drill the Peridot Unit Federal #22-31H well (wildcat) on federal lease U-57878, San Juan County, Utah. This action is being presented to RDCC for consideration of resource issues affecting state interests. The U.S Bureau of Land Management is the primary administrative agency in this action and must issue approval before operations commence.
8. LAND AFFECTED (site location map required) (indicate county)
SE/4 NW/4, Section 31, Township 31 South, Range 23 East, San Juan County, Utah
9. HAS THE LOCAL GOVERNMENT(S) BEEN CONTACTED?
10. POSSIBLE SIGNIFICANT IMPACTS LIKELY TO OCCUR:
See Attachment
11. NAME AND PHONE NUMBER OF DISTRICT REPRESENTATIVE FROM YOUR AGENCY NEAR PROJECT SITE, IF APPLICABLE:
12. FOR FURTHER INFORMATION, CONTACT:
Frank R. Matthews
PHONE: 538-5340
13. SIGNATURE AND TITLE OF AUTHORIZED OFFICIAL
FR Matthews
DATE: 11/26/91 Petroleum Engineer

WOI187

OPERATOR Mendham Oil Inc A-7030 DATE 10-16-91

WELL NAME Pseudot Unit Federal 00-31H

SEC SEW 31 T 31S R 03E COUNTY San Juan

43-037-31057
API NUMBER

Federal (1)
TYPE OF LEASE

CHECK OFF:

PLAT.

BOND

NEAREST WELL

LEASE

FIELD

POTASH OR OIL SHALE

PROCESSING COMMENTS:

No other producing well within above T, R. - Sec
Water Permit included in file

RDCC 11-06-91

Horizontal well - BHL to be specified
after drilling vertical hole & evaluating.

APPROVAL LETTER:

SPACING:

R615-2-3

N/A
UNIT

R515-3-2

N/A
CAUSE NO. & DATE

R615-3-3

STIPULATIONS:

✓ Georganna Mitchell 303-930-9407
✓ Eileen Bay 303-930-9407 ext. 9393

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

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-57878	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
2. NAME OF OPERATOR Meridian Oil Inc.		7. UNIT AGREEMENT NAME N/A	
3. ADDRESS OF OPERATOR 5613 DTC Parkway, Englewood, CO 80111		8. FARM OR LEASE NAME Peridot Unit Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) At surface: 2000'FNL and 1620'FWL At proposed prod. zone: See attached plat		9. WELL NO. 22-31H	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approx. 50 miles north of Monticello, Utah		10. FIELD AND POOL, OR WILDCAT Wildcat	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1020'	16. NO. OF ACRES IN LEASE 880	11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA Sec. 31-T31S-R23E	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. N/A	19. PROPOSED DEPTH 6700' TVD	12. COUNTY OR PARISH San Juan	13. STATE UT
20. ROTARY OR CABLE TOOLS Rotary		17. NO. OF ACRES ASSIGNED TO THIS WELL 880*	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6251' GL		22. APPROX. DATE WORK WILL START* 12-1-91	

RECEIVED

JAN 27 1992

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: *Sally L. Duvall* TITLE: Regulatory Compliance Representative DATE: 11-5-91

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE: Assistant District Manager
APPROVED BY: _____ ACTING TITLE: for Minerals DATE: JAN 24 1992
CONDITIONS OF APPROVAL, IF ANY: _____

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

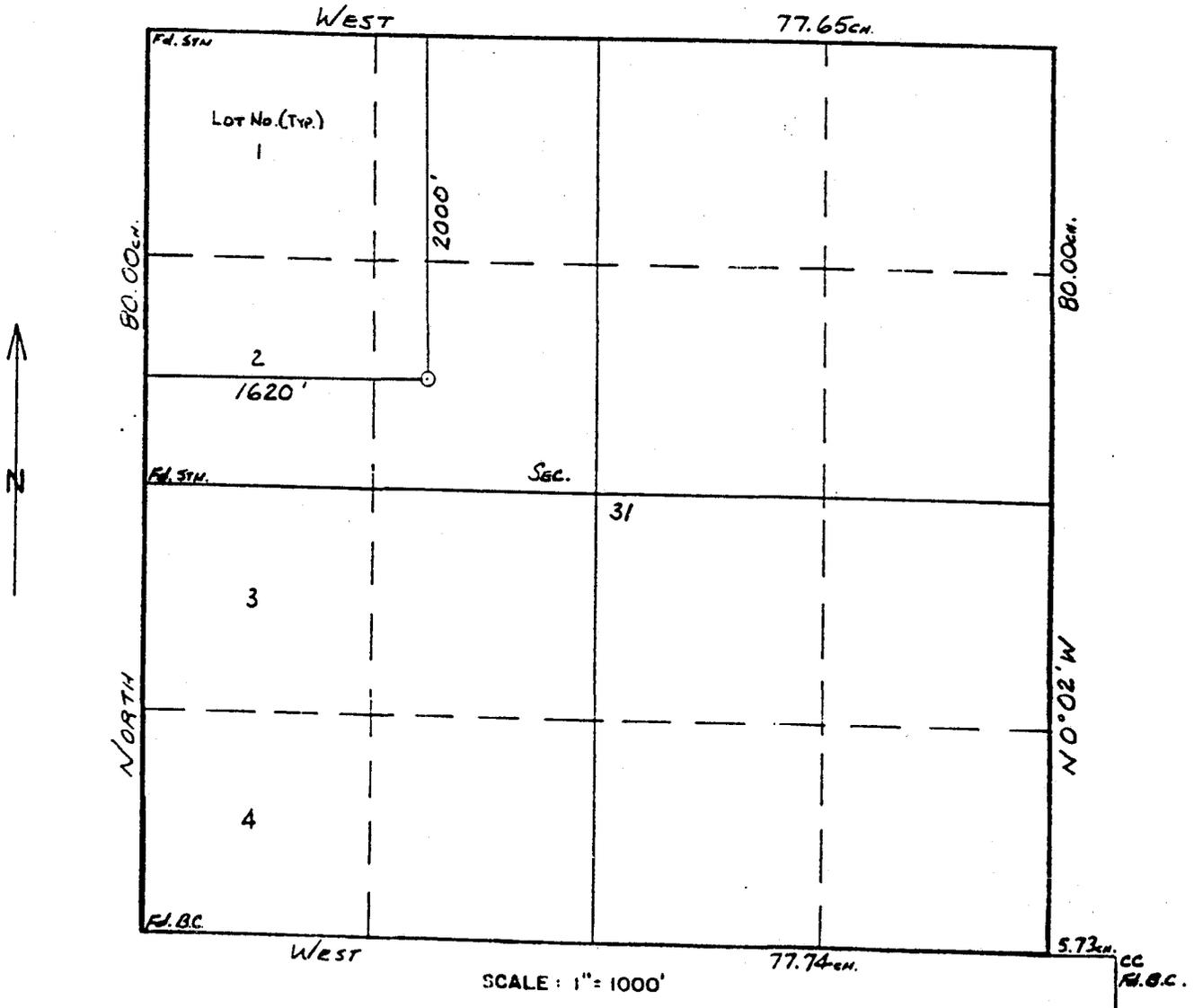
CONDITIONS OF APPROVAL ATTACHED

***See Instructions On Reverse Side**

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

DeGm

COMPANY MERIDIAN OIL, INC.
 LEASE PERIDOT UNIT FEDERAL WELL NO. 22-31H
 SEC 31, T. 31 S, R. 23 E
 COUNTY San Juan STATE Utah
 LOCATION 2000'FNL & 1620'FWL
 ELEVATION 6251



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

SEAL:




 WILLIAM E. MAHNKE II
 NEW MEXICO P.L.S. N° 8468

SURVEYED Oct. 17, 19 91

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

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

5. LEASE DESIGNATION AND SERIAL NO.

U-57878

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME

Peridot Unit Federal

9. WELL NO.

22-31H

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 31-T31S-R23E

12. COUNTY OR PARISH 13. STATE

San Juan

UT

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR

Meridian Oil Inc.

3. ADDRESS OF OPERATOR

5613 DTC Parkway, Englewood, CO 80111

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

At surface

2000' FNL and 1620' FWL

14. PERMIT NO.

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

6251' GL

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Water source

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(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.)*

Water source will be Rattlesnake Pond located in Sec. 8-T29S-R24E San Juan County, UT.

RECEIVED

JAN 27 1992

DIVISION OF OIL GAS & MINING

RECEIVED
SAN JUAN RESOURCES AREA
DEC - 6 AM 10:06
DEPARTMENT OF INTERIOR
BUREAU OF LAND MANAGEMENT

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

SIGNED

R. M. Hunsry

TITLE

Regional Drilling Eng.

DATE

12-5-91

(This space for Federal or State office use)

APPROVED BY

W. Lynn Jackson

ACTING

Assistant District Manager

TITLE

for Minerals

DATE

JAN 24 1992

CONDITIONS OF APPROVAL, IF ANY:

*Approve with APD and its conditions
DHM 12/12/91*

*See Instructions on Reverse Side

Meridian Oil Inc.
Peridot Unit Federal No. 22-31H
SENW Sec. 31, T. 31 S., R. 23 E.
San Juan County, Utah
Lease U-57878

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that Meridian Oil Inc., is considered to be the operator of the above well and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by MT0220 (Principal - Meridian Oil Inc.) via surety consent as provided for in 43 CFR 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.

This permit will be valid for a period of one year from the date of approval. A one-time, 90 day extension of this period may be granted. After permit termination, a new application must be filed for approval.

All lease operations will be conducted in full compliance with applicable regulations (43 CFR 3100), Onshore Oil and Gas Orders, lease terms, notices to lessees, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions and the approved plan will be made available to field representatives to insure compliance.

A. DRILLING PROGRAM

1. There will be no deviation from the proposed drilling and/or workover program without prior approval from the Assistant District Manager. "Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2. Safe drilling and operating practices must be observed.

2. Detailed daily drilling and completion progress reports shall be submitted to the District office on a weekly basis.

3. The BLM shall be kept apprised of all fluids entering or leaving the pit, through either weekly drilling reports or a final status report, submitted with the completion report. Either of which shall be submitted prior to reclamation of the pits.

4. No trivalent or hexavalent chromate additives shall be used in the mud system. Due to potential for contamination of usable quality water aquifers, chromates are banned from Federal leases.

5. As stated under item No. 3c. a 11" 3M 13-5/8" X 9-5/8" casing spool was to be used within a 5M blowout preventer system. As per Onshore Order No. 2 this spool shall be upgraded to 5M specifications.

6. BOP systems shall be consistent with API RP 53 and Onshore Oil and Gas Order No. 2. Pressure tests of the surface casing and all BOP equipment potentially subject to pressure will be conducted before drilling the surface casing shoe. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Ram preventers shall be inspected and operated each trip (no more than once a day is necessary), and annular preventers shall be inspected and operated weekly to ensure good mechanical working order. These inspections shall be recorded on the daily drilling report.

7. Operations authorized by this permit shall not be suspended for more than 30 days without prior approval of the Authorized Officer. All conditions of this approval shall be applicable during any operations conducted with a replacement rig.

8. When the completion program is determined, a sundry notice describing the completion shall be submitted to this office for approval.

9. Should the well become productive, the BLM, District Office must be notified no later than five business days after production begins. Notification shall be by letter or sundry notice, or orally to be followed by a letter or sundry notice.

10. Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever comes first, without prior written approval of the Authorized Officer. Surface casing shall have centralizer on each of the bottom three joints.

12. Surface casing shall be set 50 feet into the Chinle Formation regardless of the depth the Chinle is encountered.

13. Intermediate casing shall be set 50 ft into the second clastic zone within the Paradox Formation regardless of the depth this zone is encountered.

14. Prior to the use of oil base mud, the operator shall disclose to the Moab District Office, BLM components used in the mud system.

15. To determine cement top and bond quality, a cement bond log (CBL) or cement evaluation tool (CET) shall be run after the 13 3/8" and the 9 5/8" casings are run and cemented in place.

16. As proposed, the horizontal portion of the well is to be determined based off of the VSP logging. Therefore once a direction has been determined the operator shall immediately notify this office of its intentions. Once determined the bearing of this hole shall not deviate more than ± 10 degrees without prior approval from the authorized officer.

STIPULATIONS

EA Log No.UT-069-92-002

Lease or
Serial No.U57878

Project: 22-31H Peridot Unit Fed.

Project

Applicant: Meridian Oil Inc.

Location:Sec.31,T.31S.,R.23E.,SLM

Address: 5613 D.T.C. Parkway
Englewood, CO 80111

County: San Juan, Utah

BLM Office: San Juan Resource Area Phone No.: (801)587-2141

The following stipulations have been developed to mitigate adverse environmental impacts which may result from the action permitted by the accompanying decision. The action permitted and its anticipated impacts are fully described in the environmental assessment referenced above.

1 - The pit to be constructed in the cut portion of the drill pad.

2 - The synthetic pit liner will be a minimum of 18 mil and in the event blasting of rock is required a soil bed will be provided below the liner.

3 - After liquids are removed from the pit the remaining reserve pit solids will be tested. At least three samples will be taken from different parts of the pit as directed by the authorized officer. These samples will be analyzed by an independent laboratory for salt properties (electrical conductivity, sodium adsorption ratio, exchangeable sodium percentage, and cation exchange capacity), heavy metal content and oil and grease content. The results of these tests will be provided to the Moab District within 30 days of analysis.

4 - Solidifying the reserve pit properties by use of fly ash/kiln dust until the physical properties of the stabilized pit content are similar to the physical properties of the native subsoils, i.e. compaction and compressive strength.

5 - After solidification the reserve pit contents will again be sampled and tested for leachability of salts and heavy metals. There will be a minimum of 5 samples taken from the solidified remains from top to bottom. The 5 samples will come from each corner section of the pit and from the middle. These samples will also be analyzed by an independent laboratory. The results of this testing will also be provided to the Moab District within 30 days of analysis.

6 - Fold the liner edges into the pit before covering the pit with one foot of native subsoil. The bentonite cap shall be of commercial grade and the cap shall be crowned in the middle to a thickness of one foot and graded to the edges to a minimum thickness of six inches. The cap shall extend at least ten feet beyond the original pit limits.

7 - The bentonite cap shall be covered with a minimum of 2 feet of native topsoil.

8 - The San Juan Resource Area Office will be kept appraised prior to beginning each operation to allow witnessing of the actions.

9 - Coordinate with the state to enforce the speed limit on highway U211 during the 24 hour construction and possibly install a blinking deer crossing alert device.

ATTACHMENT D

THE FOLLOWING STIPULATIONS ARE REQUIRED BY THE AUTHORIZED OFFICER AS STANDARD CONDITIONS OF APPROVAL:

1. If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 1.5 times the storage capacity of the largest tank plus one days production entering into the battery.
2. There will be NO BURNING OF TRASH ON LOCATION.
3. All wells, whether drilling, producing, suspended, or abandoned and/or separate facilities, will be identified in accordance with 43 CFR 3162.6.
4. "Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.6.
5. All site security guidelines identified in 43 CFR 3162.7 regulations and onshore Oil and Gas order No. 3; Site Security will be adhered to.
6. Gas Measurement will be conducted in accordance with the Onshore Oil and Gas Order No. 5; Gas Measurement and 43 CFR 3162.7-3.
7. Gas meter runs for each well will be located within five hundred (500) feet of the wellhead. The gas flowline will be buried from the wellhead to the meter along with any other sections occurring on the pad. Meter runs will be housed and/or fenced.
8. Oil Measurement will be conducted in accordance with onshore Oil and Gas Order No. 4, Oil Measurement and 43 CFR 3162.7-2.

9. There will be no deviation from the proposed drilling and/or workover program without prior approval from the District Manager. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, will be identified in accordance with 43 CFR 3162.2.
10. The dirt contractor will be provided with an approved copy of the surface use plan.
11. The operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the authorized officer (AO). Within five working days the AO will inform the operator as to:

- whether the materials appear eligible for the National Register of Historic Places;
- the mitigation measures the operator will likely have to undertake before the site can be used (assuming in-situ preservation in not necessary); and,
- a timeframe for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

If the operator wishes, at any time, to relocate activities to avoid the mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that the required mitigation has been completed, the operator will then be allowed to resume construction.

12. This permit will be valid for a period of one (1) year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

B. SURFACE USE PLAN

1. The dirt contractor will be provided with an approved copy of the surface use plan of operations before initiating construction.

2. All wells, whether drilling, producing, suspended, or abandoned, will be identified in accordance with 43 CFR 3162.6.

3. A cultural resource clearance will be required before any construction begins. The operator is responsible for informing all persons in the area who are associated with this project that they will be subject prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the authorized officer (AO). Within five (5) working days, the AO will inform the operator as to:

- whether the materials appear eligible for the National Register of Historic Places;
- the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and,
- a time frame for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that the required mitigation has been completed, the operator will then be allowed to resume construction.

4. The reserve pit shall be located in cut material, with at least 50% of the pit volume being below original ground level. Three sides of the reserve pit will be fenced before drilling starts. The fourth side will be fenced as soon as drilling is completed, and shall remain until the pit is dry. As soon as the reserve pit has dried or within 18 months of completion of drilling whichever is least, all areas not needed for production will be rehabilitated.

As stated under the eight point drilling program in item No. 5 of the APD, an oil base mud (diesel) will be utilized to drill the hole from 4200-9000'. This drilling fluid shall be contained in the mud storage facilities during all phase of drilling operations. Following drilling operations the fluid shall be properly disposed of or efforts shall be made to recycle the mud for future use.

5. Surface disturbance and vehicular travel will be limited to the approved location and access road. Any additional area needed must be approved by the Area Manager in advance.

6. Trash must be contained in a trash cage and hauled away to an approved disposal site as necessary but no later than at the completion of drilling operations.

7. If the well is productive, cattle guards will be installed on the access road at fence crossings. The access road will be rehabilitated or brought to Resource (Class III) Road Standards within sixty (60) days of dismantling the drilling rig. If this time frame cannot be met, the Area Manager will be notified so that temporary drainage control can be installed along the access road.

8. If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 150% of the storage capacity of the largest tank in the battery. All loading lines and valves will be placed inside the berm surrounding the tank battery.

9. All permanent (on-site for six (6) months or longer) structures constructed or installed (including oil well pumping units) shall be painted a flat, nonreflective, earth tone color to blend with the local environment, as determined by the Rocky Mountain Five-State Interagency Committee. All facilities shall be painted within six (6) months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded. Colors shall be coordinated with the Price River Resource Area office prior to initiating painting.

10. All off-lease storage, off-lease measurement, or commingling (on-lease or off-lease) shall have prior written approval from the Assistant District Manager.

11. Pipeline construction activity is not authorized under this permit.

12. Copies of all water analysis required by the state of Utah in relation to surface discharge of produced water will be submitted to the Moab District Office, Bureau of Land Management.

13. Produced waste water will be confined to an unlined pit for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the Assistant District Manager's approval pursuant to Onshore Oil and Gas Order No. 7 (NTL-2B).

Plans will be formulated for long term monitoring of aquifers and springs in the area of proposed development prior to approval of further Applications for Permit to Drill.

14. If at any time the facilities located on public land authorized by the terms of the lease are no longer included in the lease (due to contraction in the unit or other lease or unit boundary change) the BLM will process a change in authorization to the appropriate statute. The authorization will be subject to appropriate rental, or other financial obligation determined by the authorized officer (A.O.).

C. REQUIRED NOTIFICATIONS AND APPROVALS

Required verbal notifications are summarized in Table 1, attached.

Spud- Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the District office within twenty-four (24) hours after spudding (regardless of whether spud was made with a dry hole digger or big rig). If the spudding occurs on a weekend or holiday, the written report will be submitted on the following work day.

Undesirable Events/Immediate Reports- Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be immediately reported to the Resource Area in accordance with requirements of NTL-3A.

Cultural Resources- If cultural resources are discovered during construction, work that might disturb the resources is to stop, and the Area Manager is to be notified.

First Production- Should the well be successfully completed for production, the Assistant District Manager, Minerals Division will be notified when the well is placed in producing status. Such notification may be made by phone, but must be followed by a sundry notice or letter not later than five (5) business days following the date on which the well is placed on production.

A first production conference will be scheduled within fifteen (15) days after receipt of the first production report. The Resource Area Office will coordinate the field conference.

Well Completion Report- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion report and Log" (Form 3160-4) will be submitted to the District Office not later than thirty (30) days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gas) will be submitted when requested by the Assistant District Manager.

Plugging and Abandonment- If the well is completed as a dry hole, plugging instructions must be obtained from the BLM, Neab District Office prior to initiating plugging operations. Table 1 of this document provides the after-hours phone numbers of personnel who are authorized to give plugging instructions.

The top of the marker will be closed or capped.

The following minimum information will be permanently placed on the marker with a plate, cap, or beaded-on with a welding torch:

"Fed" or "Ind", as applicable. "Well number, location by 1/4 1/4 section, township and range". "Lease number".

A "Subsequent Report of Abandonment" (Form 3150-5) will be filed with the Assistant District Manager, Minerals Division within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the Area Manager or his representative, or the appropriate surface managing agency.

Venting/Flaring of Gas- NTL-4A allows venting/flaring of gas during the initial well evaluation period not to exceed 30 days or 50 Mmcf. Venting/flaring beyond the initial test period threshold must be approved by the District Office.

NOTIFICATIONS

Notify Bob Turri or Jeff Brown of the San Juan Resource Area, at (801) 587-2141 for the following:

2 days prior to commencement of dirt work, construction or reclamations;

1 day prior to spudding;

50 feet prior to reaching surface and intermediate casing depths;

3 hours prior to testing BOP's;

12 hours prior to reaching kickoff point depth;

24 hours prior to closing the reserve pit.

If the person at the above number cannot be reached, then notify Fred Oneyear in the Moab District Office at (801) 259-6111 or at home (801) 259-5937 (if unsuccessful, then notify one of the following people listed below).

Notify the Moab District Office, Branch of Fluid Mineral at (801) 259-6111 for the following:

No well abandonment operations will be commenced without the prior approval of the Assistant District Manager, Mineral Resources Division. In the case of newly drilled dry holes, in emergency situations, verbal approval can be obtained by calling the following individuals, in the order listed.

Dale Manchester, Petroleum Engineer Office Phone: (801) 259-6111

Home Phone: (801) 259-8239

Eric Jones, Petroleum Engineer Office Phone: (801) 259-6111

Home Phone: (801) 259-2214

If unable to reach the above individuals including weekends, holidays, or after hour please call the following:

Lynn Jackson, Office Phone: (801) 259-6111
Chief, Branch of Fluid Minerals

Home Phone: (801) 259-7990

24 HOURS ADVANCE NOTICE IS REQUIRED FOR ALL ABANDONMENTS



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter
Governor

Dee C. Hansen
Executive Director

Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

January 28, 1992

Meridian Oil Inc.
5613 DTC Parkway
Englewood, Colorado 80111

Gentlemen:

Re: Peridot Unit Federal 22-31H Well, 2000 feet from the north line, 1620 feet from the west line, SE 1/4 NW 1/4, Section 31, Township 31 South, Range 23 East, San Juan County, Utah

Pursuant to Utah Admin. R. 615-3-2 and Utah Admin. R. 615-3-4, approval to drill the referenced well is hereby granted.

In addition, the following specific actions are necessary to fully comply with this approval:

1. Compliance with the requirements of Utah Admin. R. 615-1 et seq., Oil and Gas General Rules.
2. Notification within 24 hours after drilling operations commence.
3. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
4. Submittal of the Report of Water Encountered During Drilling, Form 7.
5. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or R.J. Firth, Associate Director, (Home) (801)571-6068.
6. Compliance with the requirements of Utah Admin. R. 615-3-20, Gas Flaring or Venting, if the well is completed for production.

Page 2
Meridian Oil Inc.
Peridot Unit Federal 22-31H Well
January 28, 1992

Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site should be submitted to the local health department. These drilling operations and any subsequent well operations should be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Department of Environmental Quality, Division of Drinking Water/Sanitation, telephone (801)538-6159.

This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-037-31657.

Sincerely,



R.J. Firth
Associate Director, Oil and Gas

ldc
Enclosures
cc: Bureau of Land Management
J.L. Thompson
WO11

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: MERIDAN 43-037-31657

WELL NAME: PERIDOT FEDERAL 22-31H

Section 31 Township 31S Range 23E County SAN JUAN

Drilling Contractor _____

Rig # _____

SPUDDED: Date 2-1-92

Time _____

How DRY HOLE

CONFIDENTIAL

Drilling will commence _____

Reported by GLENN

Telephone # _____

Date 2-3-92 SIGNED _____ TGG

SPUD 2/1/92

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: MERIDAN 43-037-31657

WELL NAME: PERIDOT FEDERAL 22-31H

Section 31 Township 31S Range 23E County SAN JUAN

Drilling Contractor _____

Rig # _____

SPUDED: Date 2-1-92

Time _____

How DRY HOLE

CONFIDENTIAL

Drilling will commence _____

Reported by GLENN

Telephone # _____

Date 2-3-92 SIGNED TGG



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangarter
Governor

Dee C. Hansen
Executive Director

Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

May 13, 1992

Meridian Oil, Inc.
801 Cherry Street
Fort Worth, Texas 76102

Gentlemen:

Re: Request for Completed Entity Action Form
Peridot Unit Federal 22-31H - SENW Sec. 31, T. 31S, R. 23E
San Juan County, Utah

This is written to remind you that all well operators are responsible for sending an Entity Action Form to the Division of Oil, Gas and Mining within five working days of spudding a new well. This office was notified that your company spudded the Peridot Unit Federal 22-31H, API Number 43-037-31657, on February 1, 1992. At this time, we have not received an Entity Action Form for this well.

Please review the instructions on the back of the enclosed form. Make sure you choose the proper Action Code to show whether the well will be a single well with its own sales facilities (Code A), a well being added to an existing group of wells having the same tank battery and common division of royalty interest (Code B - show existing Entity Number to which well should be added), or a well being drilled in the participating area of a properly designated unit (Code B). Complete the form and return it to us by May 22, 1992.

Your attention to this matter is appreciated. If we can be of assistance to you, please feel free to call Lisha Romero at the above number.

Sincerely,

Don Staley
Administrative Supervisor

lcr
Enclosure
cc: R. J. Firth
File

ENTITY ACTION FORM - FORM 6

OPERATOR Meridian Oil Inc.
ADDRESS 5613 DTC Parkway
Englewood, CO 80111

OPERATOR ACCT. NO. N 7230

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	<u>99999</u>	<u>11369</u>	43-037-31657	22-31H Peridot Unit Federal	SENW	31	31 S	23 E	San Juan	<u>1-30-92</u>	1-30-92
WELL 1 COMMENTS: Well was not drilled beyond 60'. Current Status: Waiting on rotary rig <i>Entity added 6-11-92. for</i>											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

- ACTION CODES (See instructions on back of form)
- A - Establish new entity for new well (single well only)
 - B - Add new well to existing entity (group or unit well)
 - C - Re-assign well from one existing entity to another existing entity
 - D - Re-assign well from one existing entity to a new entity
 - E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

RECEIVED

JUN 08 1992

DIVISION OF
OIL GAS & MINING

Sally L. Duvall
Signature

Regulatory Compliance Rep. 6-3-92
Title Date

Phone No. (303) 930-9393

Moab District
P. O. Box 970
Moab, Utah 84532

3162
(U-57878)
(UT-065)

NOV - 9 1993

Meridian Oil Inc.
5613 DTC Parkway
Englewood, Colorado 80111

RECEIVED

NOV 12 1993

**DIVISION OF
OIL, GAS & MINING**

Re: Rescinding Application for Permit to Drill
Well No. 22-31H 43-037-31657
SWNW Sec. 31, T. 31 S., R. 23 E.
San Juan County, Utah
Lease U-57878

Gentlemen:

The Application for Permit to Drill the referenced well was approved on January 24, 1992. Although the location was constructed, the well was not drilled.

Applications for permit to drill are effective for a period of one year. In view of the foregoing, this office is rescinding the approval of the referenced application. A new application was submitted October 12, 1993 and we are currently processing it.

If you have any questions, please contact Verlene Butts, Branch of Fluid Minerals at (801) 259-6111.

Sincerely,

/S/ WILLIAM C. STRINGER

Associate District Manager

Enclosure

Application for Permit to Drill

cc: UT-069, San Juan Resource Area (wo/Enclosure)
State of Utah
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203 (wo/Enclosure) ✓

VButts:vb:11/5/93



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

November 22, 1993

Meridian Oil Inc.
5613 DTC Parkway
Englewood, Colorado 80111

Re: Application for Permit to Drill
Well No. Peridot Unit 22-31H
SE NW, Sec. 31, T. 31 S., R. 23 E.
San Juan County, Utah
API No. 43-037-31657

Gentlemen:

The Bureau of Land Management, Moab District rescinded its approval of the referenced application on November 9, 1993. In conformance with this action, the Division rescinds its approval of the referenced application issued on January 28, 1992.

If you have any questions, please contact Mike Hebertson at (801)538-5340.

Sincerely,

A handwritten signature in cursive script that reads "Frank R. Matthews".

Frank R. Matthews
Petroleum Engineer

ldc
cc: R. J. Firth
D. T. Staley
D. M. Eatchel
Bureau of Land Management - Moab District
Well file

WOI196



FROM: 10/31/93
THRU: 11/30/93

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
WELL COMPLETION REPORT 11

PAGE: 2

EMERY COUNTY

CHEVRON USA INC

RANGE CREEK 3-4
TOTAL DEPTH: 43-015-30239
COMPLETED: 00/00/00

ELEVATION: 5874' GR
LA

SWSW 4 18.0 S 16.0 E SLM
SURFACE: 0510 FSL 1300 FWL
FIELD: WILDCAT
BOTTOM:

GRAND COUNTY

CSV OIL EXPLORATION CO

FEDERAL 10-2
TOTAL DEPTH: 3810'
COMPLETED: 11/06/93
INTERVAL: 3684-3705'
INITIAL PRODUCTION:

43-019-31327
ELEVATION: 5433' KB
FORMATION: MORRISON
0 BOPD 697 MCFD 0 BWPD

NWNE 10 17.0 S 25.0 E SLM
SURFACE: 0872 FNL 1897 FEL
FIELD: BAR X

SAN JUAN COUNTY

MERIDIAN OIL INC

PERIDOT UNIT 22-31H
TOTAL DEPTH:
COMPLETED: 00/00/00

43-037-31657
ELEVATION: 6251' GR
LA

SENE 31 31.0 S 23.0 E SLM
SURFACE: 2000 FNL 1620 FWL
FIELD: WILDCAT
BOTTOM:

AMPOLEX (TEXAS) INC

CACTUS PARK #2
TOTAL DEPTH: 5952'
COMPLETED: 11/10/93

43-037-31700
ELEVATION: 5925' GR
PA

NENE 30 36.0 S 25.0 E SLM
SURFACE: 0816 FNL 1901 FWL
FIELD: WILDCAT

WESGRA CORPORATION

GOODRIDGE TRUST 24A
TOTAL DEPTH: 660'
COMPLETED: 10/15/93
INTERVAL: 600-45'
INITIAL PRODUCTION:

43-037-31713
ELEVATION: 4125' GR
FORMATION: LITTLE LOOP
1 BOPD 0 MCFD 0 BWPD

SWSE 7 42.0 S 19.0 E SLM
SURFACE: 4251 FNL 1472 FWL
FIELD: MEXICAN HAT

UINTAH COUNTY

MITCHELL ENERGY CORP

BITTER CREEK 1-25-14-25
TOTAL DEPTH: 7865'
COMPLETED: 10/25/90

43-047-31894
ELEVATION: 8293' GR
PA

SWSW 25 14.0 S 25.0 E SLM
SURFACE: 0805 FSL 0922 FWL
FIELD: WILDCAT

From: Michael Hebertson (MHEBERTSON)
To: DSTALEY
Date: Friday, December 10, 1993 11:28 am
Subject: MERIDIAN OIL 22-31 PERIDOT UNIT FEDERAL

DON,
YES THIS WELL WAS SPURRED ON 2-1-92 WITH DRY HOLE RIG,
THE LOCATION WILL STILL BE USED AND THE LOCATION WILL BE
REACTIVATED UNDER THE OLD API NUMBER. THE SUNDRY THAT WAS
RECEIVED YESTERDAY CONTAINED NEW CONTACT INFORMATION FOR MERIDIAN
PERSONNEL. THE REMAINDER OF THE APD IS THE SAME. AS A MATTER
OF RECORDS KEEPING THE LOCATION SHOULD BE RE-ENSTATED.

The well was LA, on 11/22/93.



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

November 22, 1993

Meridian Oil Inc.
5613 DTC Parkway
Englewood, Colorado 80111

Re: Application for Permit to Drill
Well No. Peridot Unit 22-31H
SE NW, Sec. 31, T. 31 S., R. 23 E.
San Juan County, Utah
API No. 43-037-31657

Gentlemen:

The Bureau of Land Management, Moab District rescinded its approval of the referenced application on November 9, 1993. In conformance with this action, the Division rescinds its approval of the referenced application issued on January 28, 1992.

If you have any questions, please contact Mike Hebertson at (801)538-5340.

Sincerely,

A handwritten signature in cursive script that reads "Frank R. Matthews".

Frank R. Matthews
Petroleum Engineer

ldc

cc: R. J. Firth
D. T. Staley
D. M. Eatchel
Bureau of Land Management - Moab District
Well file

WO1196



Found it!

Data Entry Screen - Mail

Date: 11/12/93

API No. 43-037-31657

Report Type: RESCIND

Operator:	MERIDIAN		
Well Name:	22-31H		
	SEC	TWN	RNG
Well Location:	31	31S	23E

Highlights

LETTER FROM BLM: RESCIND APD *CONFIDENTIAL*

Order - DATEOPER <Append> < Save > <Browse>

Press Alt-X to Exit

CONFIDENTIAL

Form 3160-3
(November 1983)
(formerly 9-331C)

SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires December 31, 1988

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.
U-57878

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
Peridot Unit Federal

9. WELL NO.
22-31H

10. FIELD AND POOL, OR WILDCAT
Wildcat 001

11. SEC. OR E. M., OR BLK.
AND SURVEY OR AREA
Sec 31-T31S-R23E

12. COUNTY OR PARISH
San Juan

13. STATE
UT

17. NO. OF ACRES ASSIGNED TO THIS WELL
880*

20. ROTARY OR CABLE TOOLS
Rotary

22. APPROX. DATE WORK WILL START*
12-1-91

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
Meridian Oil Inc.

3. ADDRESS OF OPERATOR
5613 DTC Parkway, Englewood, CO 80111

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface 2000' FNL and 1620' FWL *SE 1/4*
At proposed prod. zone See attached plat

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approx. 50 miles north of Monticello, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)
1020'

16. TOTAL ACRES IN LEASE
880

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

19. PROPOSED DEPTH
6700' TVD *CDCR*

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
6251' GL

CONFIDENTIAL

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	54.5#	800'	400 sx 35:65 Pozmix, 250 sx Cl "G"
12-1/4"	9-5/8"	40#	4650'	1200 sx 35:65 Pozmix, 350 sx Cl "G"
8-3/4"	5-1/2"	17#, 20#, 23#	9000'	1100 sx "G"

Oil and Gas Order No. 1 and Exhibits

- A: Survey Plat
- A-1: Horizontal Section Plat
- BL Eight-Point Drilling Plan
- C: BOP Diagram
- D: Multi-Point Surface Use Plat
- E: Access Roads
- E-1: Detail of Access Road
- E-2: 1-Mile Radius Map
- F: Production Lay-Out
- G: Cut Fill/Cross Sections
- H: Rig Layout

See attached Exploratory Unit Outline

RECEIVED

NOV 25 1991

DIVISION OF
OIL GAS & MINING

Meridian Oil Inc. is properly bonded for drilling and plugging wells in Utah: State of Utah Bond No. 1536406, - Nationwide Bond No. UT0414.

* Subject to formation of 10,895 acre federal exploratory unit.

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 Sally L. Duvall TITLE Regulatory Compliance Representative DATE 11-5-91

(This space for Federal or State office use)

PERMIT NO. 13-037-31057 APPROVAL DATE 12-17-91

APPROVED BY John Matthews TITLE WELL SPACING

CONDITIONS OF APPROVAL, IF ANY:

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

DATE: 12-17-91

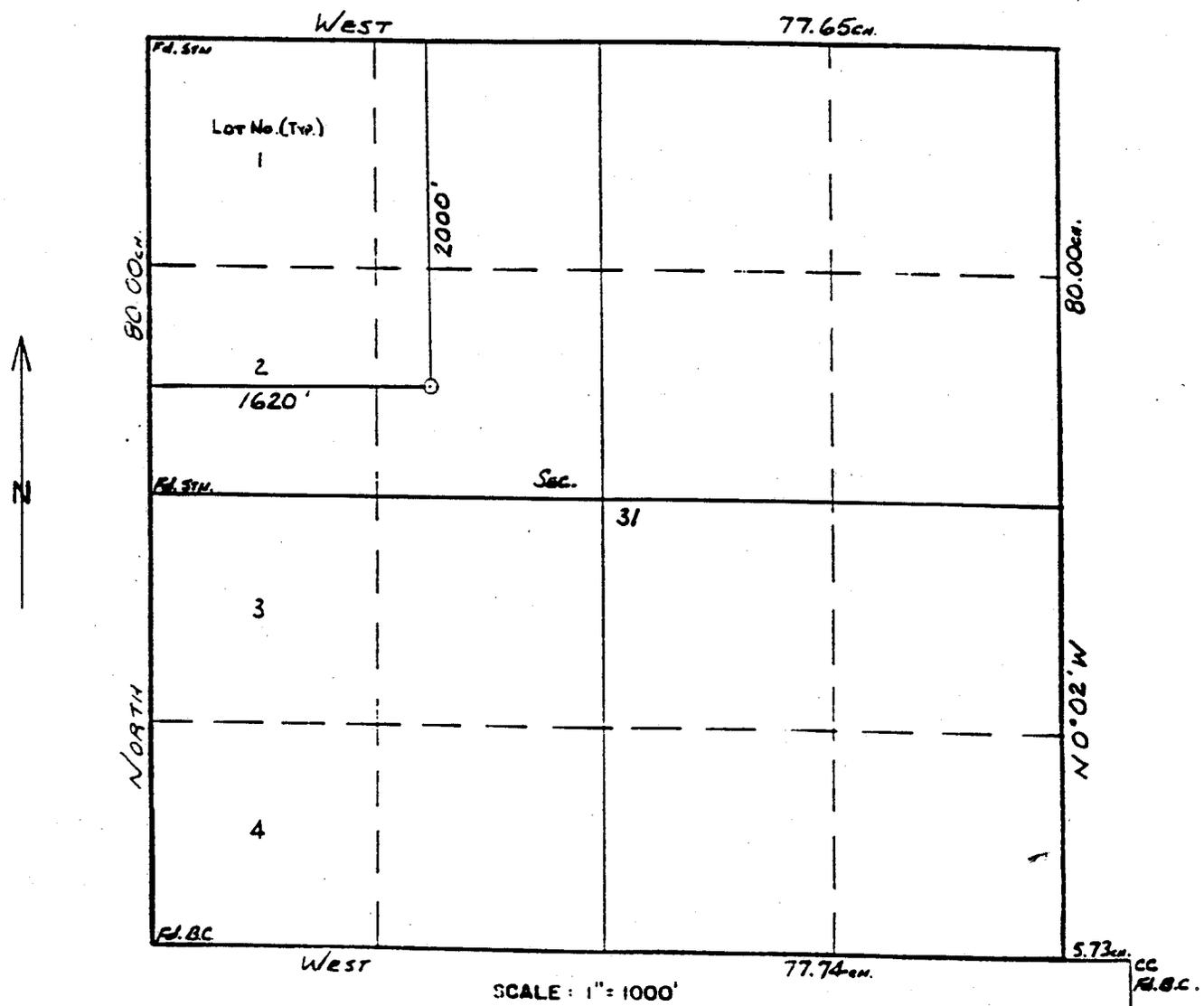
John Matthews

WELL SPACING 15-3-2

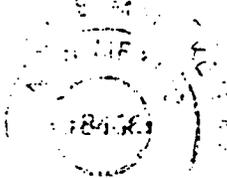
*See Instructions On Reverse Side

APD Approval Letter
Date 1-28-92

COMPANY MERIDIAN OIL, INC.
 LEASE PERIDOT UNIT FEDERAL WELL NO. 22-31H
 SEC 31, T. 31 S, R. 23 E
 COUNTY San Juan STATE Utah
 LOCATION 2000' FNL & 1620' FWL
 ELEVATION 6251



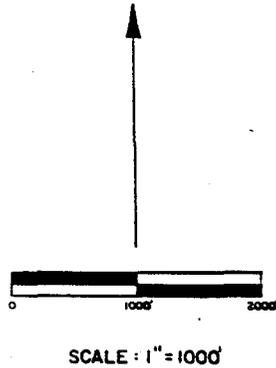
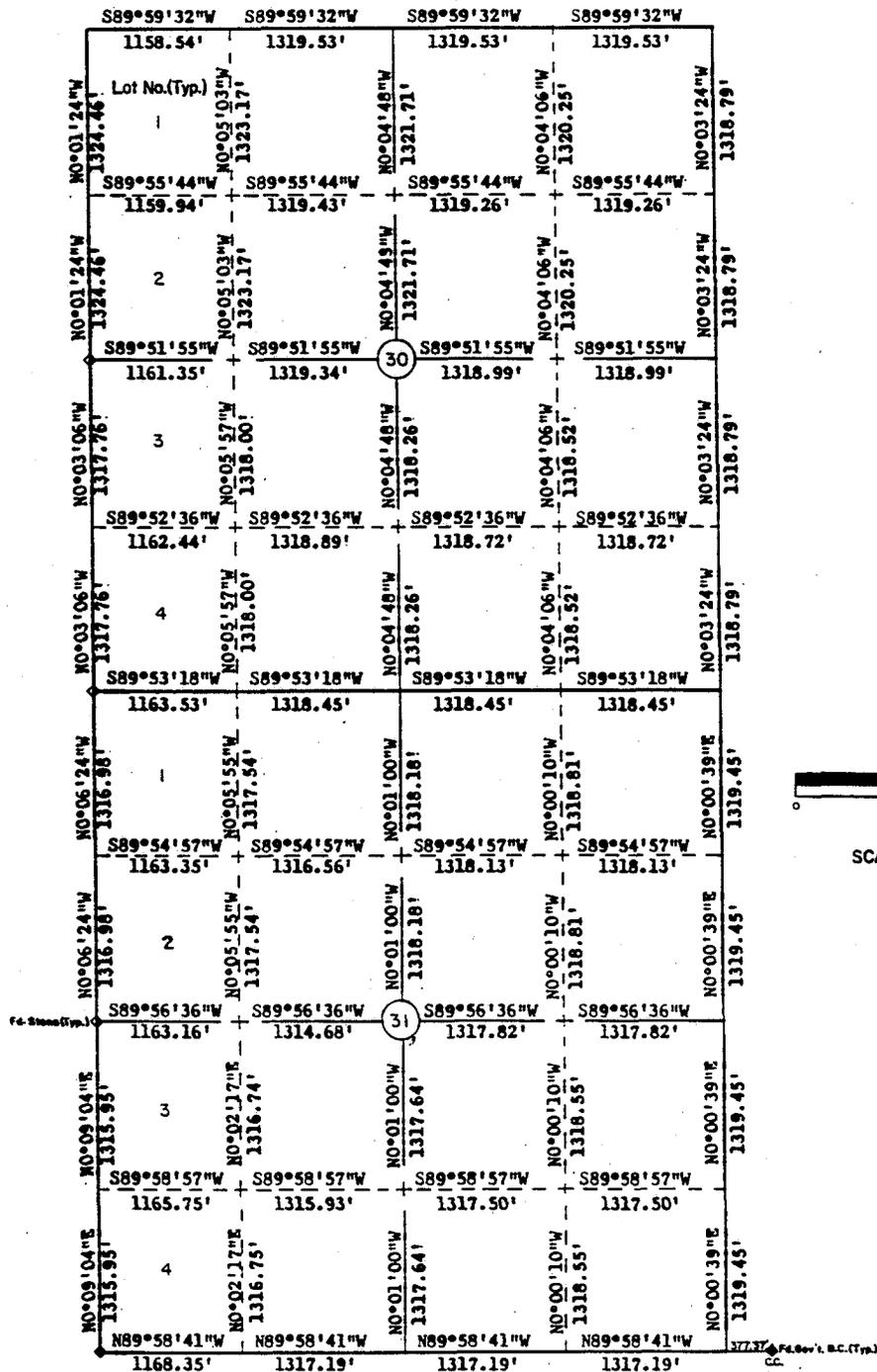
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD
 NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION
 AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY
 KNOWLEDGE AND BELIEF.

SEAL: 

 WILLIAM E. MAHNKE II
 NEW MEXICO P.L.S. N° 8468

SURVEYED Oct. 17, 19 91

HORIZONTAL SECTION PLAT
 Prepared for MERIDIAN OIL, INC.
 Well Location: #22-31H
 2000' FNL & 1620' FWL
 Sec. 31, T31S, R23E, S.L.M.
 San Juan County, Utah



All corners shown on this plat were found on Oct. 17, 22, and 23, 1991. All distances not between found monuments are calculated from other sections. All bearings are based on the line SW Cor. Sec. 31, T31S, R23E to NE Cor. Sec. 25, T31S, R22E being North per G.L.O. plat dated March 28, 1914.

William E. Mahnke II
 William E. Mahnke II
 New Mexico P.L.S. No. 8466

Date: 10-31-91



Prepared for: MERIDIAN OIL, INC. 5613 DTC PARKWAY ENGLEWOOD, CO. 80111	
POWERS ELEVATION CO., INC. P.O. Box 991 Farmington, N.M. 87499	
Drawn By: W.E.M. II	Date: Oct. 31, 1991

Exhibit "B"

EIGHT POINT DRILLING PROGRAM

COMPANY: Meridian Oil, Inc.
WELL NAME: 22-31H Peridot Unit Federal
LOCATION: SENW Section 31, T31S-R23E
San Juan County, Utah

All lease/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders and the approved plan of operations. MERIDIAN OIL INC. is fully responsible for the actions of its subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

In addition, Meridian Oil Inc. is responsible under the terms and conditions of the subject lease for the operations on the lease.

1. Estimated Geological Markers

<u>Formation Tops</u>	<u>Depth</u>	<u>Subsea</u>
Navajo	Surface	
Chinle	765'	(+5555)
Moenkopi	1297'	(+5023)
Cutler	1393'	(+4927)
Hermosa	2893'	(+3427)
Ismay	4200'	(+2120)
Top of Salt	4524'	(+1796)
Akah	4642'	(+1678)
A Marker	5334'	(+ 986)
B Marker	5524'	(+ 796)
Cycle 19 Marker	6119'	(+ 201)
C Marker	6356'	(- 36)
Cycle 21 Marker	6404'	(- 84)
Cane Creek A	6572'	(- 252)
Cane Creek B	6599'	(- 279)
Cane Creek C	6625'	(- 305)
Base of Cane Creek	6664'	(- 344)
Mississippian Leadville	7229'	(- 909)

2. Estimated Depths of Anticipated Water, Oil, Gas or other Minerals

<u>Formation Tops</u>	<u>Depth</u>	<u>Subsea</u>	<u>Remarks</u>
Navajo	Surface	+5597'	Fresh Water
Ismay	4200'	+2120'	Oil, Gas, Water
Cane Creek	6599'	- 279	Oil, Gas

All fresh water and prospectively valuable minerals encountered during drilling, will be recorded by depth and adequately protected.

3. Pressure Control Equipment

The Moab BLM office will be notified 24 hours prior to the testing of BOPE.

- A. For the drilling of the 17-1/2" hole from surface to 800', a 8" flow line will be rigged up on the 20" conductor. See Exhibit C-1.
- B. For the drilling of the 12-1/4" hole from 800' to 4650' (See Exhibit C-2):
 - 13-5/8" 3M 13-3/8" weld on casinghead
 - 13-5/8" 3M spool w/outlets for kill and manifold lines
 - 13-5/8" 3M double ram BOP with both pipe and blind rams
 - 13-5/8" 3M spherical annular
- C. For the drilling of the 8-3/4" hole from 4650' to TD (See Exhibit C-3):
 - 11" 3M 13-5/8" X 5M 9-5/8" casing spool
 - 11" 5M spool w/outlets for kill and manifold lines
 - 11" 5M double ram BOP with both pipe and blind rams
 - 11" 5M spherical annular
 - Flow nipple w/flow and fill line
- D. Miscellaneous:
 - Accumulator will be 5M psi working pressure. BOP master controls will be at the accumulator; remote controls will be readily available to the driller.
 - Choke manifold: The line from the BOP to the choke manifold will be 3", 5M psi working pressure. Manual controls will be present for rams. Kill line and valves will have a minimum diameter of 2".
 - A hydraulically operated remote controlled choke, will be installed on the choke manifold (5M psi working pressure).
 - BOP's will be tested to maximum working pressure (3000 psi for the 13-5/8", 5000 psi for the 11") with a blanking plug at installation and pressure tested every 14 days thereafter. Pipe rams and blind rams will be functionally operated on trips. Annular preventer to be function tested a minimum of once per week.
 - Surface casing will be tested to 1500 psi. Intermediate casing will be tested to 2500 psi.

4. Casing Program

Surface Casing

<u>Hole Size</u>	<u>Size</u>	<u>Depth</u>	<u>Weight</u>	<u>Grade</u>	<u>Thread</u>	<u>Cond</u>
17-1/2"	13-3/8"	800'	54.5#/Ft	K-55	ST&C	NEW

Cement: 400 sx. of 35:65 Pozmix followed by 250 sx. of Class "G" cemented to surface.

Intermediate Casing

<u>Hole Size</u>	<u>Size</u>	<u>Depth</u>	<u>Weight</u>	<u>Grade</u>	<u>Thread</u>	<u>Cond</u>
12-1/4"	9-5/8"	4650'	40 #/Ft	N-80	LT&C	NEW

Cement: 1200 sx of 35:65 Pozmix followed by 350 sx of Class "G".

Production Casing

<u>Hole Size</u>	<u>Size</u>	<u>Depth</u>	<u>Weight</u>	<u>Grade</u>	<u>Thread</u>	<u>Cond</u>
8-3/4"	5-1/2"	0'-4200'	17#/Ft	N-80	LT&C	NEW
8-3/4"	5-1/2"	4200'-6100'	23#/Ft	P-110	LT&C	NEW
8-3/4"	5-1/2"	6100'-7000'	23#/Ft	P-110	BT&C	NEW
8-3/4"	5-1/2"	7000'-9000'	23#/Ft	N-80	BT&C	NEW

External Casing Packer set @ +/- 7800' MD
HOS Cementer to be placed in the Cane Creek "A" zone.

Cement: Lead slurry will be 300 sx. of Class "G".
Tail slurry will be 800 sx. of Class "G" with Salt Bond additives.

Cement will be placed from the external casing packer at 7000' to 4000'.

5. Proposed Mud Program

Description:

0' - 800':

Freshwater with Gel/Lime Sweeps to clean hole.

Mud Wt.: 8.6 - 9.2 Lb/Gal
Viscosity: 38 - 46
Yield Point: 12 - 18
API Fluid Loss: No Control

800' - 4200':

Low solids non-dispersed utilizing a
PHPA polymer for shale inhibition.

Mud Wt.: 8.7 - 9.1 Lb/Gal
Yield Point: 9 - 11
API Fluid Loss: 8 - 10 cc/30 min.

4200' - T.D. :

Invert Oil Mud

Mud Wt: 9.0 - 15.0 Lb/Gal
Yield Point 12 - 22
Viscosity: 40 - 55
HTHP Fluid Loss: ± 30 cc/30 min.

6. Coring, Logging and Testing Program

The 22-31H Peridot Unit Federal will be drilled as follows:

1. 17-1/2" hole to 800', run & cement 13-3/8" casing;
2. 12-1/4" hole to 4650', run open hole logs and run & cement 9-5/8" casing;
3. Drill an 8-3/4" hole to the Cane Creek "A", obtain 60' of oriented core;
4. Drill to a depth of 6660' (50' below the Cane Creek "C") run open hole logs and a gyro survey;
5. Set a cement plug at +/- 6040' and run a Vertical Seismic Profile (VSP) in the direction which is to be determined from core analysis;
6. Kick-off, build angle to 90 deg., and drill a 2000' horizontal leg;
7. Run a Digital Sonic and P.E.F. (Mineral Identification) log on drillpipe in the lateral section of the wellbore;
8. Run and cement 5-1/2" casing.

The points detailed below, are based upon this well being drilled in the manner outlined above.

A. Cores: A 60', vertical oriented core will be taken when the top of the Cane Creek "A" is encountered (+/- 6510').

B. Drill Stem Tests: None planned.

C. Logs:

DIL/SFL/SP/GR 800' - 4650'
CNL-LDT/GR/CAL 800' - 4650'

DIL/SFL/SP/GR 4650' - 6660'
CNL-LDT/GR/CAL 4650' - 6660'
BHC SONIC/GR/CAL 4650' - 6660'

VSP (Vertical
Seismic Profile) Surf. - 6040'

MWD GR 6040' - TD

DIGITAL SONIC/
M.I.F. LOG 6400' - TD (Drill pipe conveyed)

- D. **Vertical Seismic Profile:** The VSP will be run after the plug back cement plug has been set. The direction in which vibrator trucks will be placed in relation to surface location will be determined after core analysis has been completed.

One vibrator truck will initially be placed on location and two additional vibrator trucks will be placed approximately 4000' from surface location in the direction the VSP is to be run. The VSP tools will then be lowered into the wellbore, and a series of checkshots will be run with the truck that is on location. After the checkshots are complete, the truck that is on location will be driven over with the other two trucks for additional vibration capacity.

The VSP tools will then be lowered down to TD, and seismic shots will be taken at varying intervals up to surface. The results will then be processed by a portable workstation on location and results printed out. Additional refinements may be made to the raw data in Houston, where more advanced processing techniques can be performed on a mainframe computer.

- E. **Directional Surveys:** This well is planned as a medium radius horizontal well with 2000' of lateral hole and +/- 2600' of horizontal displacement in the desired azimuth. The exact footages of where this well will be terminated are not known due to the variability of the azimuth. It is intended to send sundry notices detailing azimuth, footages from hardlines and a copy of the gyro survey as soon as the azimuth is determined based upon core analysis.

Surveys will be taken approximately every 30' during the build and +/- 90' during the horizontal portion of this wellbore.

- F. **Samples:** Samples will be taken every 30' from surface to 6000' and every 10' from 6000' to TD.
- G. **Mud Logger:** Mud logger will be on location from 3000' to TD.
- H. **Completion Procedure:** The Cane Creek interval is expected to flow naturally upon initial completion.

7. Anticipated abnormal BHP or BHT

The Cane Creek is expected to have abnormal pressure. Anticipated BHP is +/- 5000 psi. Offset BHT data indicates a static BHT of +/- 120 F.

No H2S is anticipated in this area.

8. Other Information

Auxiliary equipment: See attached Exhibits "C-1", "C-2", "C-3" - BOP diagrams.

9. Anticipated Starting Dates

Spud Date: December 1, 1991

Drilling Days: 57

1 week to move drilling rig off and completion rig on.

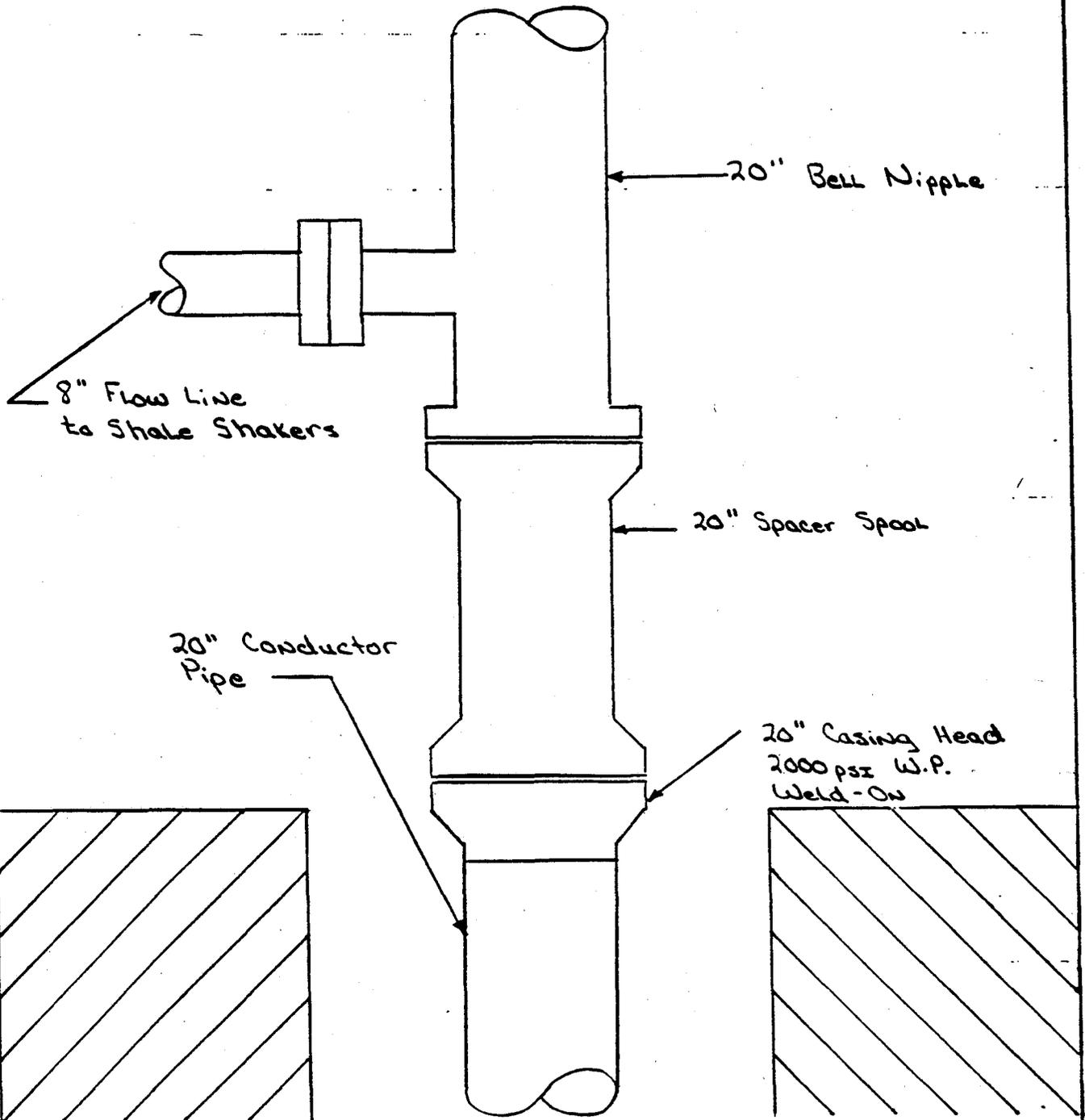
14-21 days of initial completion work.

7-14 days to install production facilities.

st/273

Surface Diverter System
Exhibit "C-1"

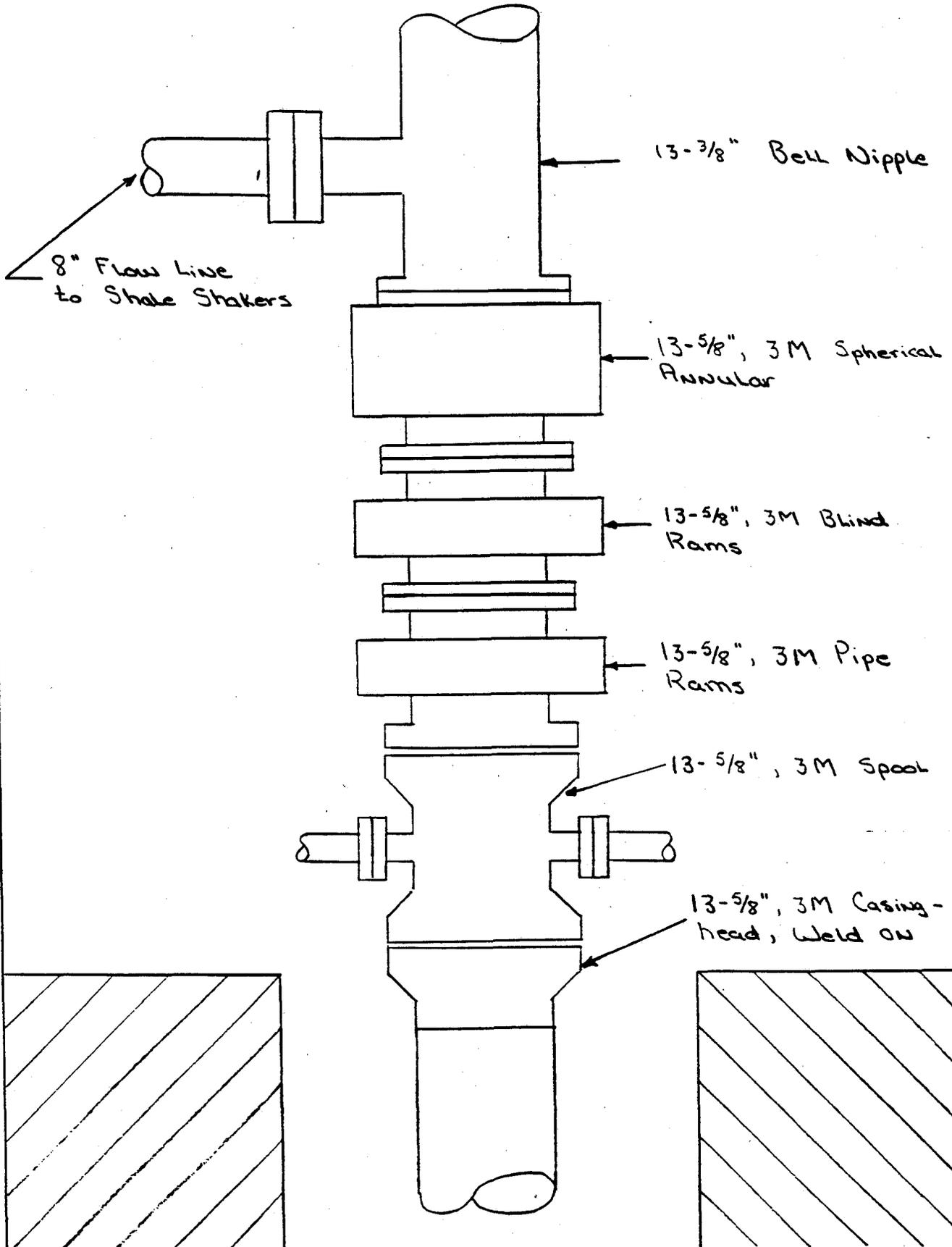
22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



Scale: NTS

12-1/4" Hole Diverter System
Exhibit "C-2"
Pg. 1 of 2

22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



8" Flow Line
to Shale Shakers

13-3/8" Bell Nipple

13-5/8", 3M Spherical
Annular

13-5/8", 3M Blind
Rams

13-5/8", 3M Pipe
Rams

13-5/8", 3M Spool

13-5/8", 3M Casing-
head, Weld on

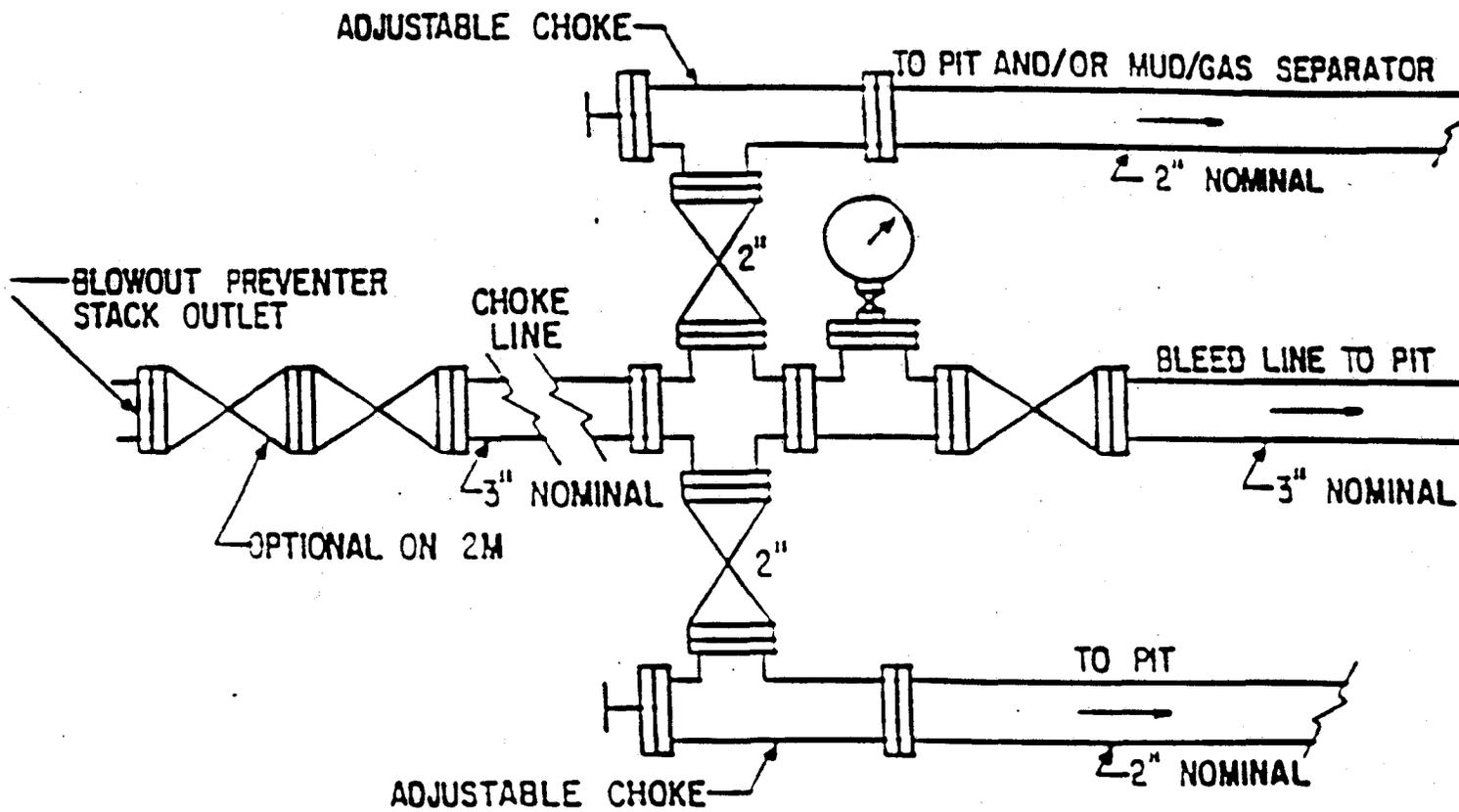
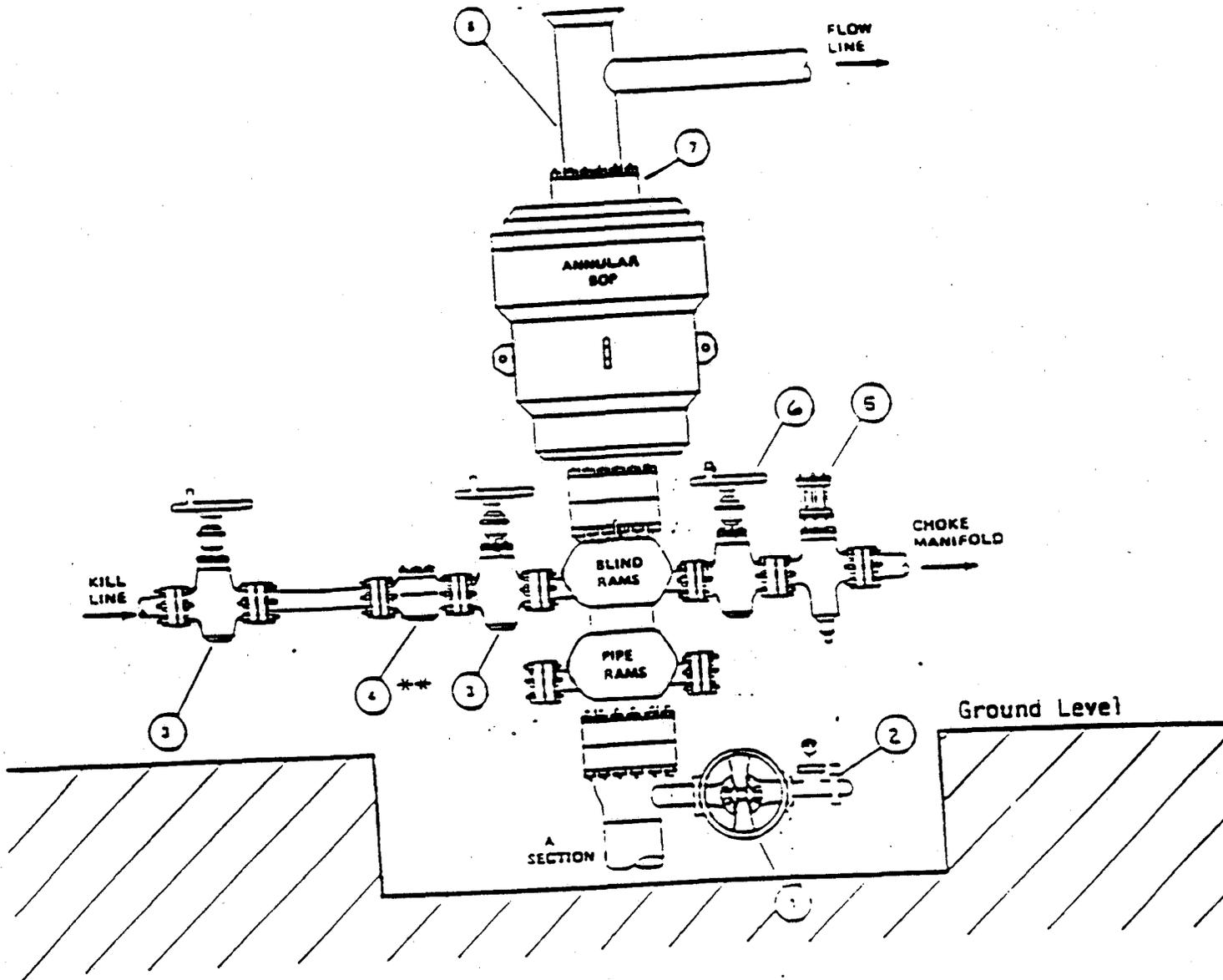
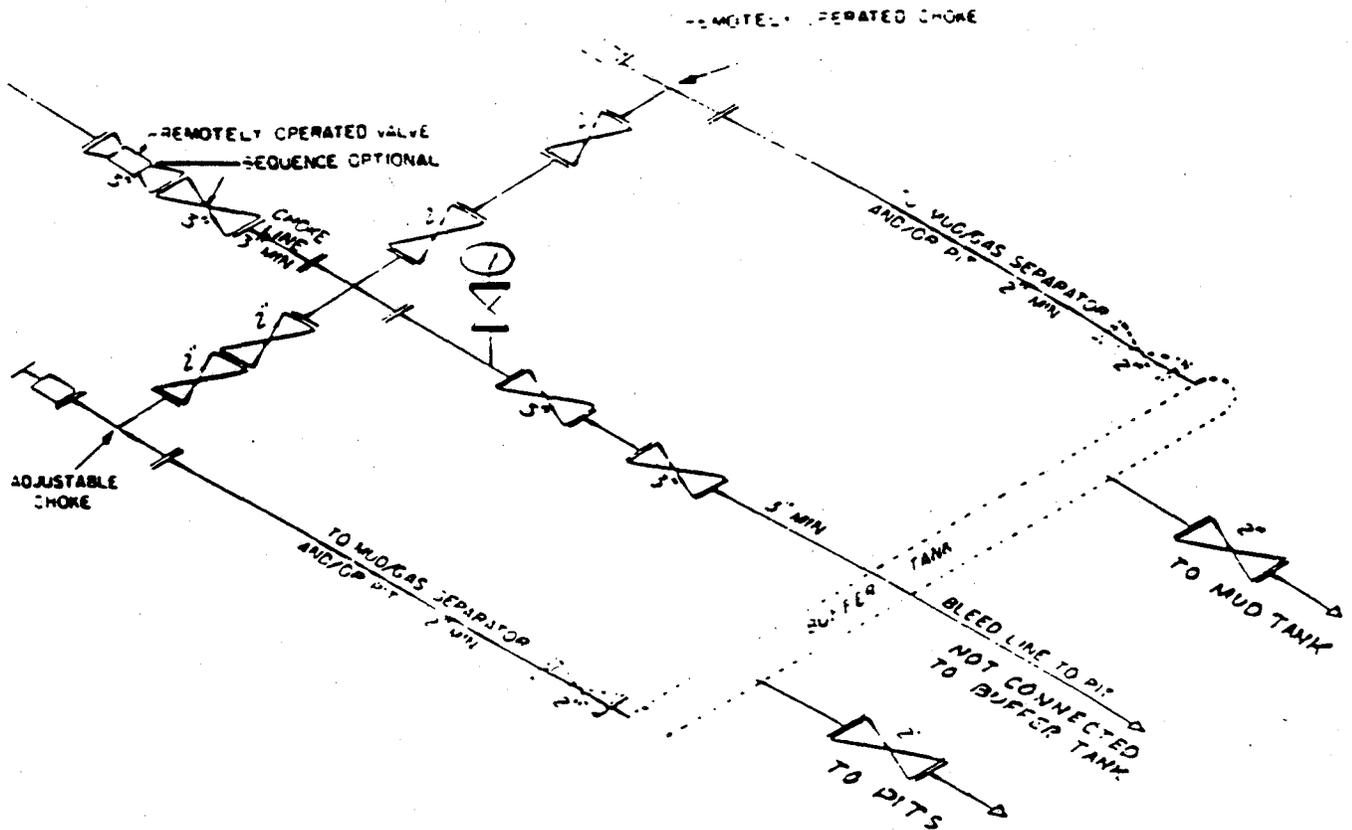


FIG. 3.A.1
TYPICAL CHOKE MANIFOLD ASSEMBLY
FOR 2M AND 3M RATED WORKING
PRESSURE SERVICE - SURFACE INSTALLATION

BLOWOUT PREVENTER (TYPICAL)



1. Screwed or flanged plug or gate valves — 2" minimum nominal dia. — same working pressure as "A" section.
2. Tee with tapped bullplug, needle valve, and pressure gauge.
3. Flanged plug or gate valve — 2" minimum nominal dia. — same working pressure as BOP stack.
4. Flanged flapper type check valve — 2" minimum nominal dia. — same working pressure as BOP stack.
5. Flanged hydraulically controlled gate valve — 3" minimum nominal dia. — same working pressure as BOP stack.
6. Flanged plug or gate valve — 3" minimum nominal dia. — same working pressure as BOP stack.
7. Top of annular preventer must be equipped with an API flange ring gasket. All flange studs must be in place or holes filled in with screw type plugs.
8. The I.D. of the bell nipple must not be less than the minimum I.D. of the BOP stack.



5M CHOKES MANIFOLD EQUIPMENT — CONFIGURATION MAY VARY

Although not required for any of the choke manifold systems, buffer tanks are sometimes installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together. When buffer tanks are employed, valves shall be installed upstream to isolate a failure or malfunction without interrupting flow control. Though not shown on 2M, 3M, 10M, or 15M drawings, it would also be applicable to those situations.

[FR Doc. 88-26738 Filed 11-17-88; 8:45 am]
 BILLING CODE 4310-04-G

Self-Certification of Operator

Be advised that Meridian Oil Inc. is considered to be the operator of Well No. 22-31H Peridot Unit Federal, SENW, Sec. 31, T. 31 S., R. 23 E., Lease U-57878, San Juan County, Utah, and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond Coverage for this well is provided by Bond No. UT-0414. (Principal St. Paul Fire and Marine Life Insurance, St. Paul, Minnesota) via surety consent as provided for in 43 CFR 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.

By: _____

Sally L. DuVall
Sally L. DuVall
Regulatory Compliance Rep.
MERIDIAN OIL INC.
5613 DTC Parkway
Englewood, CO 80111



United States Department of the Interior



BUREAU OF LAND MANAGEMENT

Moab District
P. O. Box 970
Moab, Utah 84532

Meridian Oil

IN REPLY REFER TO:

NOV 12 1993

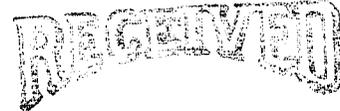
3162
(U-57878)
(UT-065)

REGULATORY COMPLIANCE
DENVER REGION

NOV - 9 1993

Meridian Oil Inc.
5613 DTC Parkway
Englewood, Colorado 80111

Re: Rescinding Application for Permit to Drill
Well No. 22-31H
SWNW Sec. 31, T. 31 S., R. 23 E.
San Juan County, Utah
Lease U-57878



DEC 09 1993

DIVISION OF
OIL, GAS & MINING

Gentlemen:

The Application for Permit to Drill the referenced well was approved on January 24, 1992. Although the location was constructed, the well was not drilled.

Applications for permit to drill are effective for a period of one year. In view of the foregoing, this office is rescinding the approval of the referenced application. A new application was submitted October 12, 1993 and we are currently processing it.

If you have any questions, please contact Verlene Butts, Branch of Fluid Minerals at (801) 259-6111.

Sincerely,

Associate District Manager

Enclosure

Application for Permit to Drill

cc: UT-069, San Juan Resource Area (wo/Enclosure)
State of Utah
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203 (wo/Enclosure)

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS <small>(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)</small>		5. LEASE DESIGNATION & SERIAL NO. U-57878
1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME. N/A
2. NAME OF OPERATOR Meridian Oil Inc.		7. UNIT AGREEMENT NAME N/A
3. ADDRESS OF OPERATOR 5613 DTC Parkway, Englewood, CO 80111		8. FARM OR LEASE NAME 22-31H Peridot Unit Federal
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 2000' FNL and 1620' FWL At proposed prod. zone		9. WELL NO. 22-31H
14. API NO. 43-037-31657		10. FIELD AND POOL, OR WILDCAT Wildcat
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6251' GL		11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA Section 31-T31S-R23E
12. COUNTY San Juan		13. STATE Utah

RECEIVED
 DEC 09 1993
 DIVISION OF
 OIL, GAS & MINING

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

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> SHOOT OR ACIDIZE <input type="checkbox"/> REPAIR WELL <input type="checkbox"/> (Other) <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/> FRACTURE TREATMENT <input type="checkbox"/> SHOOTING OR ACIDIZING <input type="checkbox"/> (Other) <u>Changes to original APD</u> (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPLETE <input type="checkbox"/> ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> ABANDONMENT* <input type="checkbox"/>
APPROX. DATE WORK WILL START _____	DATE OF COMPLETION _____

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

* Must be accompanied by a cement verification report.

Attached are the revised pages to the original APD for the above captioned well. These are the only changes that were made.

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

SIGNED Georganne Mitchell TITLE Regulatory Assistant DATE 12/6/93

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK
 DRILL DEEPEN

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

2. NAME OF OPERATOR
 Meridian Oil Inc.

3. ADDRESS AND TELEPHONE NO.
 5613 DTC Parkway, Englewood, CO 80111

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface: 2000' FNL and 1620' FWL
 At proposed prod. zone: See attached plat

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approximately 50 miles north of Monticello, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 1020'

16. NO. OF ACRES IN LEASE
 880

17. NO. OF ACRES ASSIGNED TO THIS WELL
 880*

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

19. PROPOSED DEPTH
 6700' TVD

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 6251' GL

22. APPROX. DATE WORK WILL START*
 To be determined

5. LEASE DESIGNATION AND SERIAL NO.
 U-57878

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 N/A

7. UNIT AGREEMENT NAME
 N/A

8. FARM OR LEASE NAME, WELL NO.
 Peridot Unit Federal

9. API WELL NO.
 22-31H

10. FIELD AND POOL, OR WILDCAT
 Wildcat

11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 31-T31S-R23E

12. COUNTY OR PARISH
 San Juan

13. STATE
 Utah

RECEIVED
 DEC 09 1993
 DIVISION OF OIL, GAS & MINING

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	54.5#	800'	400 sx 35:65 Pozmix, 250 sx Cl. "G"
12-1/4"	9-5/8"	40.0#	4650'	200 sx 35:65 Pozmix, 350 sx Cl. "G"
8-3/4"	5-1/2"	17#, 20#, 23#	9900'	100 sx "G"

- Oil and Gas Order No. 1 and Exhibits
- A: Survey Plat
 - A-1: Horizontal Section Plat
 - B: Eight-Point Drilling Plan
 - C: BOP Diagram
 - D: Multi-Point Surface Use Plan
 - E: Access Roads
 - E-1: Detail of Access Road
 - E-2: 1-Mile Radius Map
 - F: Production Lay-out
 - G: Cut Fill/Cross Sections
 - H: Rig Layout

See attached Exploratory Unit Outline

Meridian Oil Inc. is properly bonded for drilling and plugging wells in Utah: State of Utah Bond No. 1536406, - Nationwide Bond No. UT0414.

*Subject to formation of 10,895 acre federal exploratory unit.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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 [Signature] TITLE Regulatory Compliance Administrator DATE 10/8/93

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
 CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY _____ TITLE _____ DATE _____

*See Instructions On Reverse Side

11. Surface Ownership

Val Dalton
Monticello, UT
(801) 587-2416

12. Other Information

- (1) The area that would be impacted by the well site and access road was surveyed for cultural resources by La Plata Archeological Consultants on October 24, 1991. No cultural resources were found. Meridian Oil will notify the BLM if unexpected cultural resources are observed and shall avoid operations that would result in destruction of these resources. Archeological clearance for positioning of the seismic trucks for the VSP logging process will be performed as soon as the required locations are determined. Trucks will be located within the unit boundaries.
- (2) A prework conference will be scheduled after APD approval. This will include, at minimum, the permittee or his authorized representative, the dirt contractor, and the authorized BLM representative. The lead operator/permittee is responsible for scheduling and holding this meeting in a timely manner sufficient for resolving any potential problems.

Other standard BLM Stipulations covering construction, drilling operations, production facilities, rehabilitation and fire prevention will be incorporated into the approved APD.

13. Lessee or Operator's Field Representative and Certification

Meridian Oil Inc.
5613 DTC Parkway
Englewood, CO 80111

- | | | |
|---|------------------|------------------------------|
| 2. Gregg A. Olson
Drilling Engineer | Office:
Home: | 303/930-9316
303/237-6777 |
| 3. R. E. Muncrief
Reg. Drilling Eng. | Office:
Home: | 303/930-9327
303/791-7347 |
| 4. Scott B. Palmer
Completion Supt. | Office:
Home: | 303/930-9494
303/841-3892 |

9. Anticipated Starting Dates

Spud Date: To be determined

Drilling Days: 57

1 week to move drilling rig off and completion rig on.

14-21 days of initial completion work.

7-14 days to install production facilities.

st/273

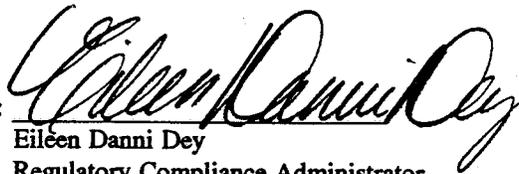
Self-Certification of Operator

Be advised that Meridian Oil Inc. is considered to be the operator of Well No. 22-31H Peridot Unit Federal, SENW, Sec. 31, T. 31 S., R. 23 E., Lease U-57878, San Juan County, Utah, and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond Coverage for this well is provided by Bond No. UT-0414. (Principal St. Paul Fire and Marine Life Insurance, St. Paul, Minnesota) via surety consent as provided for in 43 CFR 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.

By:



Eileen Danni Dey
Regulatory Compliance Administrator
MERIDIAN OIL INC.
5613 DTC Parkway
Englewood, CO 80111



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Moab District
P. O. Box 970
Moab, Utah 84532

Meridian Oil

NOV 12 1993

REGULATORY COMPLIANCE
DENVER REGION

NOV - 9 1993



IN REPLY REFER TO:

3162
(U-57878)
(UT-065)

Meridian Oil Inc.
5613 DTC Parkway
Englewood, Colorado 80111

Re: Rescinding Application for Permit to Drill
Well No. 22-31H
SWNW Sec. 31, T. 31 S., R. 23 E.
San Juan County, Utah
Lease U-57878



DEC 09 1993

DIVISION OF
OIL, GAS & MINING

Gentlemen:

The Application for Permit to Drill the referenced well was approved on January 24, 1992. Although the location was constructed, the well was not drilled.

Applications for permit to drill are effective for a period of one year. In view of the foregoing, this office is rescinding the approval of the referenced application. A new application was submitted October 12, 1993 and we are currently processing it.

If you have any questions, please contact Verlene Butts, Branch of Fluid Minerals at (801) 259-6111.

Sincerely,

Associate District Manager

Enclosure

Application for Permit to Drill

cc: UT-069, San Juan Resource Area (wo/Enclosure)
State of Utah
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203 (wo/Enclosure)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK
 DRILL DEEPEN

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

2. NAME OF OPERATOR
 Meridian Oil Inc.

3. ADDRESS AND TELEPHONE NO.
 5613 DTC Parkway, Englewood, CO 80111

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface: 2000' FNL and 1620' FWL
 At proposed prod. zone: See attached plat

5. LEASE DESIGNATION AND SERIAL NO.
 U-57878

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 N/A

7. UNIT AGREEMENT NAME
 N/A

8. FARM OR LEASE NAME, WELL NO.
 Peridot ~~Unit~~ Federal

9. AP WELL NO.
 22-31H

10. FIELD AND POOL, OR WILDCAT
 Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 31-T31S-R23E

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

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approximately 50 miles north of Monticello, Utah

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)
 1020'

16. NO. OF ACRES IN LEASE
 880

17. NO. OF ACRES ASSIGNED TO THIS WELL
 880*

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 N/A

19. PROPOSED DEPTH
 6700' TVD

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, BT, GR, etc.)
 6251' GL

22. APPROX. DATE WORK WILL START*
 To be determined

RECEIVED
DEC 09 1993
DIVISION OF OIL, GAS & MINING

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	54.5#	800'	400 sx 35:65 Pozmix, 250 sx Cl. "C"
12-1/4"	9-5/8"	40.0#	4650'	1200 sx 35:65 Pozmix, 350 sx Cl. "C"
8-3/4"	5-1/2"	17#, 20#, 23#	9900'	100 sx "G"

Oil and Gas Order No. 1 and Exhibits

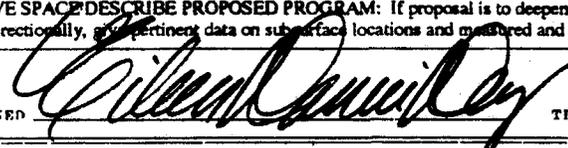
- A: Survey Plat
- A-1: Horizontal Section Plat
- B: Eight-Point Drilling Plan
- C: BOP Diagram
- D: Multi-Point Surface Use Plan
- E: Access Roads
- E-1: Detail of Access Road
- E-2: 1-Mile Radius Map
- F: Production Lay-out
- G: Cut Fill/Cross Sections
- H: Rig Layout

See attached Exploratory Unit Outline

Meridian Oil Inc. is properly bonded for drilling and plugging wells in Utah: State of Utah Bond No. 1536406, - Nationwide Bond No. UT0414.

*Subject to formation of 10,895 acre federal exploratory unit.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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.  REGULATORY COMPLIANCE ADMINISTRATOR
 SIGNED: _____ TITLE: Administrator DATE: 10/8/93

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE: APPROVED BY THE STATE

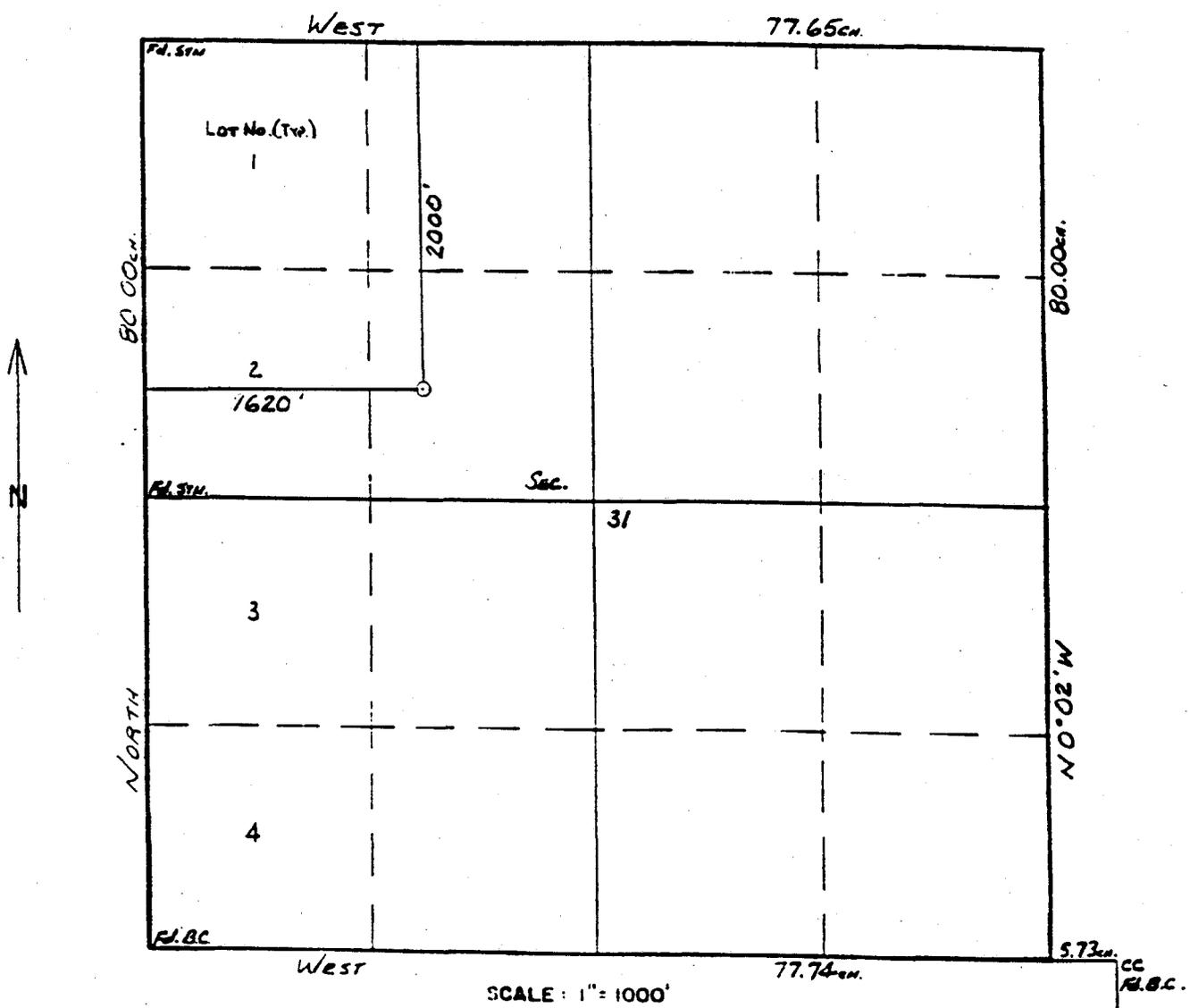
Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would enable the applicant to conduct operations thereon.
 CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY: _____ TITLE: _____ DATE: _____

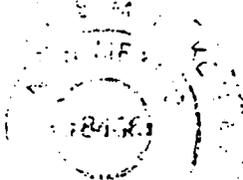
*See Instructions On Reverse Side

WELL SPACING: 649-3-2

COMPANY MERIDIAN OIL, INC.
 LEASE PERIDOT UNIT FEDERAL WELL NO. 22-31H
 SEC 31, T. 31 S, R. 23 E
 COUNTY San Juan STATE Utah
 LOCATION 2000'FNL & 1620'FWL
 ELEVATION 6251



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

SEAL: 

William E. Mahnke II
 WILLIAM E. MAHNKE II
 NEW MEXICO P.L.S. NO 8468

SURVEYED Oct. 17, 1991

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

3. LEASE DESIGNATION & SERIAL NO.

U-57878

6. IF INDIAN ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME

22-31H Peridot Unit Federal

9. WELL NO.

22-31H

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Section 31-T31S-R23E

12. COUNTY

San Juan

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Meridian Oil Inc.

3. ADDRESS OF OPERATOR
5613 DTC Parkway, Englewood, CO 80111

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface: 2000' FNL and 1620' FWL
At proposed prod. zone:

RECEIVED

DEC 09 1993

DIVISION OF OIL, GAS & MINING

14. API NO.

~~43-037-31857~~

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

6251' GL

16. 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) Changes to original APD

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

APPROX. DATE WORK WILL START _____

DATE OF COMPLETION _____

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

* Must be accompanied by a cement verification report.

Attached are the revised pages to the original APD for the above captioned well. These are the only changes that were made.

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

DATE: 12-14-93

BY: [Signature]

WELL SPACING: 649-3-2

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

SIGNED Georganne Mitchell

TITLE Regulatory Assistant

DATE 12/6/93

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

11. Surface Ownership

Val Dalton
Monticello, UT
(801) 587-2416

12. Other Information

- (1) The area that would be impacted by the well site and access road was surveyed for cultural resources by La Plata Archeological Consultants on October 24, 1991. No cultural resources were found. Meridian Oil will notify the BLM if unexpected cultural resources are observed and shall avoid operations that would result in destruction of these resources. Archeological clearance for positioning of the seismic trucks for the VSP logging process will be performed as soon as the required locations are determined. Trucks will be located within the unit boundaries.
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Other standard BLM Stipulations covering construction, drilling operations, production facilities, rehabilitation and fire prevention will be incorporated into the approved APD.

13. Lessee or Operator's Field Representative and Certification

Meridian Oil Inc.
5613 DTC Parkway
Englewood, CO 80111

- | | | |
|---|------------------|------------------------------|
| 2. Gregg A. Olson
Drilling Engineer | Office:
Home: | 303/930-9316
303/237-6777 |
| 3. R. E. Muncrief
Reg. Drilling Eng. | Office:
Home: | 303/930-9327
303/791-7347 |
| 4. Scott B. Palmer
Completion Supt. | Office:
Home: | 303/930-9494
303/841-3892 |

9. Anticipated Starting Dates

Spud Date: To be determined

Drilling Days: 57

1 week to move drilling rig off and completion rig on.

14-21 days of initial completion work.

7-14 days to install production facilities.

st/273

Self-Certification of Operator

Be advised that Meridian Oil Inc. is considered to be the operator of Well No. 22-31H Peridot Unit Federal, SENW, Sec. 31, T. 31 S., R. 23 E., Lease U-57878, San Juan County, Utah, and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond Coverage for this well is provided by Bond No. UT-0414. (Principal St. Paul Fire and Marine Life Insurance, St. Paul, Minnesota) via surety consent as provided for in 43 CFR 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.

By:



Eileen Danni Dey
Regulatory Compliance Administrator
MERIDIAN OIL INC.
5613 DTC Parkway
Englewood, CO 80111

MERIDIAN OIL

December 6, 1993

RECEIVED

DEC 09 1993

DIVISION OF
OIL, GAS & MINING

Mr. Mike Hebertson
State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180

RE: Application for Permit to Drill
22-31H Peridot Unit Federal
SENW Sec. 31-T31S-R23E
San Juan County, Utah
API No. 43-037-31657

Dear Mr. Hebertson:

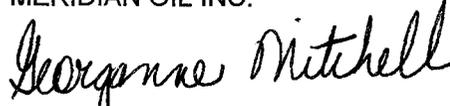
Pursuant to our telephone conversation, Meridian still has plans to re-enter and drill the above captioned well.

As you know, the BLM has requested that a new Application for Permit to Drill be submitted as the original APD has expired. Enclosed is a Sundry with the attached revised pages. These were the only changes made to the original APD.

✓ Meridian requests that the State reinstate the permit using the same API number since the well has been spudded and the permit should not have been rescinded.

Sincerely,

MERIDIAN OIL INC.



Georganne Mitchell
Regulatory Assistant

gm:2231ST

Enclosure

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

31736

APD RECEIVED: 12/9/93

API NO. ASSIGNED: 43-037-~~31657~~

Letter to reinstate
WELL NAME: Peridot Unit Federal 22-31H
OPERATOR: Meridian Oil Inc.

PROPOSED LOCATION:

SE 1/4 Sec. 31 T. 31 S. R. 23 E.
SURFACE: 200' FNL - 1620' FNL
BOTTOM:
COUNTY San Juan
FIELD W/C

LEASE TYPE: Federal
LEASE NUMBER: U-57878

INSPECT LOCATION BY: / /		
TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

- Plat
- Bond
(Number _____)
- Potash (Y/N)
- Oil shale (Y/N)
- Water permit
(Number _____)
- RDCC Review (Y/N) 1
- (Date: _____)

LOCATION AND SITING:

- R649-2-3. Unit: _____
- R649-3-2. General.
- R649-3-3. Exception.
- Drilling Unit.
- Board Cause no: _____
- Date: _____

COMMENTS: Reinstate a previously L.A. well.

STIPULATIONS: (1) Directional drilling stipulation

San Juan
Co. Assessor.
BLM Moab



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

December 14, 1993

Meridian Oil Inc.
5613 DTC Parkway
Englewood, Colorado 80111

Re: Peridot Unit Federal 22-31H Well, 2000' FNL, 1620' FWL, SE NW, Sec. 31, T. 31 S., R. 23 E., San Juan County, Utah

Gentlemen:

Pursuant to Utah Admin. R. 649-3-2, Location and Siting of Wells and Utah Admin. R. 649-3-4, Permitting of Wells to be Drilled, Deepened or Plugged-Back, approval to drill the referenced well is hereby granted.

In addition, the following specific actions are necessary to fully comply with this approval:

1. Submittal of directional drilling data upon completion of drilling operations to properly ascertain the location of the producing formation.
2. Compliance with the requirements of Utah Admin. R. 649-1 et seq., Oil and Gas Conservation General Rules.
3. Notification within 24 hours after commencing drilling operations.
4. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
5. Submittal of the Report of Water Encountered During Drilling, Form 7.
6. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or Mike Hebertson, Oil and Gas Field Specialist, (Home) (801)269-9212.



Page 2
Meridian Oil Inc.
Peridot Unit Federal 22-31H Well
December 14, 1993

7. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-037-31736.

Sincerely,



R.J. Firth
Associate Director, Oil and Gas

ldc
Enclosures
cc: San Juan County Assessor
Bureau of Land Management, Moab
WO11

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
SUBMIT IN TRIPlicate
(Other instructions on back)
MAR 16 1991

Form approved.
Budget Bureau No. 1004-0136
Expires: December 31, 1991

LEASE DESIGNATION AND SERIAL NO.
U-57878

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		7. UNIT AGREEMENT NAME N/A
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		8. FARM OR LEASE NAME, WELL NO. Peridot Unit Federal
2. NAME OF OPERATOR Meridian Oil Inc.		9. AP WELL NO. 22-31H
3. ADDRESS AND TELEPHONE NO. 5613 DTC Parkway, Englewood, CO 80111		10. FIELD AND POOL, OR WILDCAT Wildcat
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 2000' FNL and 1620' FWL At proposed prod. zone See attached plat		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 31-T31S-R23E
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approximately 50 miles north of Monticello, Utah		12. COUNTY OR PARISH 13. STATE San Juan Utah
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1020'	16. NO. OF ACRES IN LEASE 880 3038	17. NO. OF ACRES ASSIGNED TO THIS WELL 880*
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. N/A	19. PROPOSED DEPTH 6700' TVD	20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6251' GL		22. APPROX. DATE WORK WILL START* To be determined

43-031-31736

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	54.5#	800'	400 sx 35:65 Pozmix, 250 sx Cl.
12-1/4"	9-5/8"	40.0#	4650'	200 sx 35:65 Pozmix, 350 sx Cl.
8-3/4"	5-1/2"	17#, 20#, 23#	9900'	100 sx "G"

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

CONDITIONS OF APPROVAL ATTACHED

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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. *William C. Stringer* Regulatory Compliance Administrator DATE 10/8/91

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY /S/ WILLIAM C. STRINGER Associate District Manager DATE _____

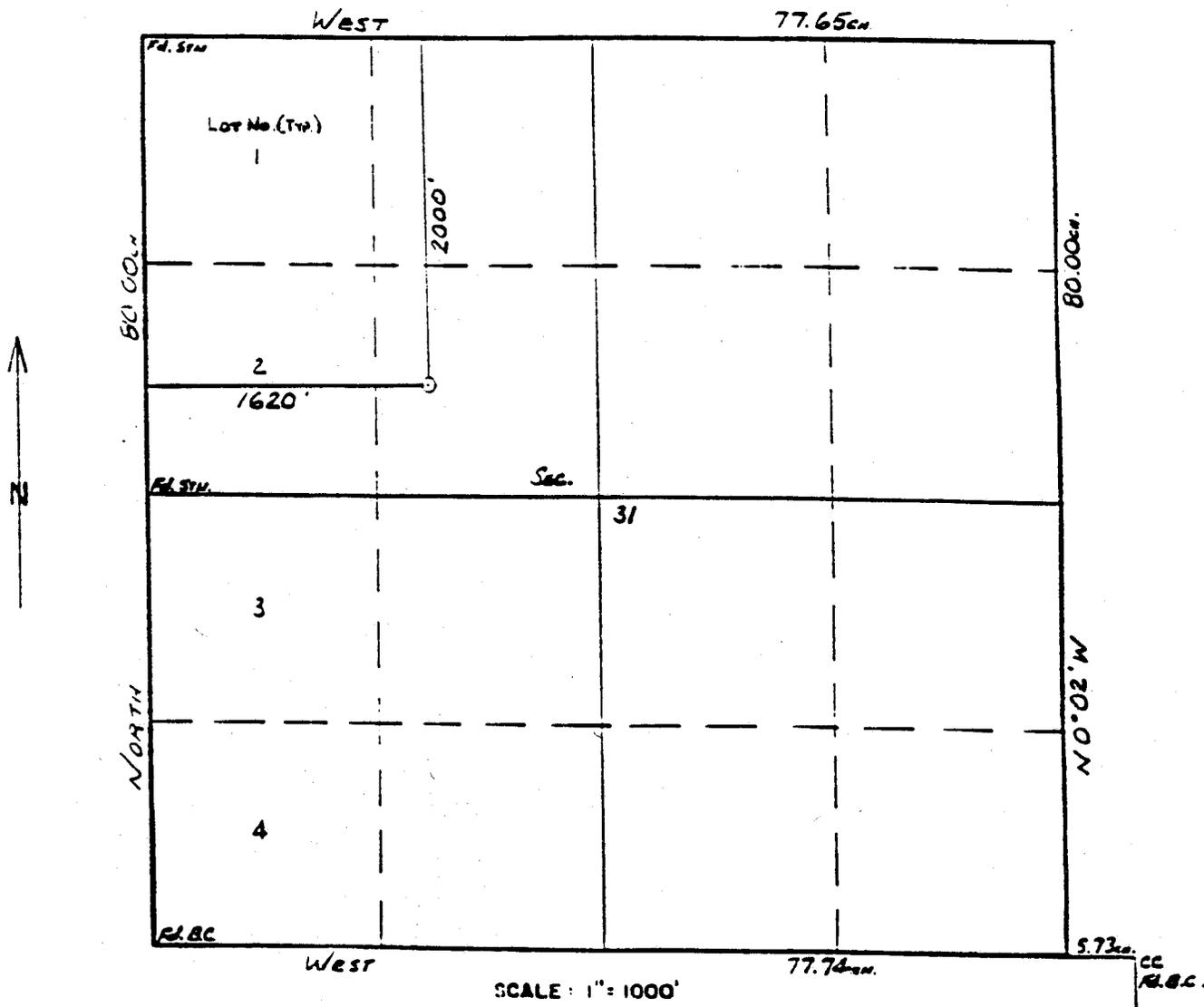
*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

RECEIVED
 93 OCT 12 1991
 BUREAU OF LAND MANAGEMENT
 DISTRICT OFFICE

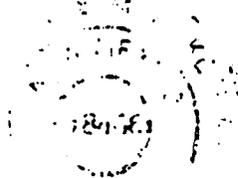
DOAM

COMPANY MERIDIAN OIL, INC.
 LEASE PERIDOT UNIT FEDERAL WELL NO. 22-31H
 SEC 31 , T. 31 S , R. 23 E
 COUNTY San Juan STATE Utah
 LOCATION 2000'FNL & 1620'FWL
 ELEVATION 6251



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

SEAL:




 WILLIAM E. MAHNKE II
 NEW MEXICO P.L.S. NO 8468

SURVEYED Oct. 17 19 91

Meridian Oil Inc.
Peridot Unit Federal No. 22-31H
SENW Sec. 31, T. 31 S., R. 23 E.
San Juan County, Utah
Lease U-57878

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that Meridian Oil Inc., is considered to be the operator of the above well and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by MT0719 (Principal - Meridian Oil Inc.) via surety consent as provided for in 43 CFR 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.

This permit will be valid for a period of one year from the date of approval. After permit termination, a new application must be filed for approval.

All lease operations will be conducted in full compliance with applicable regulations (43 CFR 3100), Onshore Oil and Gas Orders, lease terms, notices to lessees, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions and the approved plan will be made available to field representatives to insure compliance.

A. DRILLING PROGRAM

1. The BLM shall be kept apprised of all fluids entering or leaving the pit, through either weekly drilling reports or a final status report, submitted with the completion report. Either of which shall be submitted prior to reclamation of the pits.

2. No trivalent or hexavalent chromate additives shall be used in the mud system. Due to potential for contamination of usable quality water aquifers, chromates are banned from Federal leases.

3. As stated under item No. 3c., an 11" 3M 13-5/8" X 9-5/8" casing spool was to be used within a 5M blowout preventer system. As per Onshore Order No. 2 this spool shall be upgraded to 5M specifications.

4. BOP systems shall be consistent with API RP 53 and Onshore Oil and Gas Order No. 2. Pressure tests of the surface casing and all BOP equipment potentially subject to pressure will be conducted before drilling the surface casing shoe. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Ram preventers shall be inspected and operated each trip (no more than once a day is necessary), and annular preventers shall be inspected and operated weekly to ensure good mechanical working order. These inspections shall be recorded on the daily drilling report.

5. When the completion program is determined, a sundry notice describing the completion shall be submitted to this office for approval.

6. Surface casing shall be set 50 feet into the Chinle Formation regardless of the depth the Chinle is encountered and cement must be circulated to surface.

7. Intermediate casing shall be set into the Paradox Formation and cement must be circulated to surface.

8. Prior to the use of oil base mud, the operator shall disclose the components used in the mud system to the Moab District Office.

9. Meridian must ensure that the top of cement for the production casing is at least 400 feet above the intermediate casing shoe.

10. As proposed, the horizontal portion of the well is to be determined from VSP logging. Therefore once a direction has been determined the operator shall immediately notify this office of its intentions and follow the verbal notification with a Sundry Notice. Once determined, the bearing of this hole shall not deviate more than ± 10 degrees without prior approval from the authorized officer.

B. STIPULATIONS

1. Critical deer winter range restrictions will be imposed from December 15 through April 30 and therefore no drilling or earth work can be initiated during this time period. However, because snow cover is low and the deer may move early out of the critical winter range, a field inspection will be made on or about April 1, 1994 to determine if deer are present. If the deer are no longer present the restriction will be lifted and the applicant will be authorized to initiate operations.

2. The pit shall be constructed in the cut portion of the drill pad.

3. The synthetic pit liner will be a minimum of 18 mil and in the event blasting of rock is required a soil bed will be provided below the liner.

4. After liquids are removed from the pit the remaining reserve pit solids will be tested. At least three samples will be taken from different parts of the pit as directed by the authorized officer. These samples will be analyzed by an independent laboratory for salt properties (electrical conductivity, sodium absorption ratio, exchangeable sodium percentage, and cation exchange capacity), heavy metal content and oil and grease content. The results of these tests will be provided to the Moab District Office within 30 days of analysis.

5. Solidifying the reserve pit properties by use of fly ash/kiln dust until the physical properties of the stabilized pit content are similar to the physical properties of the native soils, i.e. compaction and compression strength.

6. After solidification the reserve pit contents will again be sampled and tested for leachability of salts and heavy metals. There will be a minimum of 5 samples taken from the solidified remains from top to bottom. The 5 samples will come from each corner section of the pit and from the middle. These samples will also be analyzed by an independent laboratory. The results will also be provided to the Moab District Office within 30 days of analysis.

7. Fold the liner edges into the pit before covering the pit with one foot of native subsoil. The bentonite cap shall be of commercial grade and the cap shall be crowned in the middle to a thickness of six inches. The cap shall extend at least ten feet beyond the original pit limits.

8. The bentonite cap shall be covered with a minimum of 2 feet of native topsoil.

9. The San Juan Resource Area Office will be kept apprised prior to beginning each operation to allow witnessing of the actions.

10. Coordinate with the state to enforce the speed limit on highway U211 during the 24 hour construction and possibly install a blinking deer crossing alert device.

C. REQUIRED APPROVALS, REPORTS AND NOTIFICATIONS

Required verbal notifications are summarized in Table 1, attached.

Building Location- Contact the Resource Area, Natural Resource Protection Specialist at least 48 hours prior to commencing construction of location.

Spud- The spud date will be reported to the Resource Area Office 24 hours prior to spudding. Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the District Office within 24 hours after spudding, regardless of whether spud was made with a dry hole digger or big rig.

Daily Drilling Reports- Daily drilling reports shall detail the progress and status of the well and shall be submitted to the District Office on a weekly basis.

Monthly Reports of Operations- In accordance with Onshore Oil and Gas Order No. 1, this well shall be reported on Minerals Management Service (MMS) Form 3160, "Monthly Report of Operations," starting the month in which operations commence and continuing each month until the well is physically plugged and abandoned. This report will be filed directly with MMS.

Sundry Notices- **There will be no deviation from the proposed drilling and/or workover program without prior approval.** "Sundry Notices and Reports on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2. Safe drilling and operating practices must be observed.

Drilling Suspensions- Operations authorized by this permit shall not be suspended for more than 30 days without prior approval of the Authorized Officer. All conditions of this approval shall be applicable during any operations conducted with a replacement rig.

Undesirable Events- Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be immediately reported to the Resource Area in accordance with requirements of NTL-3A.

Cultural Resources- If cultural resources are discovered during construction, work that might disturb the resources is to stop, and the Area Manager is to be notified.

First Production- Should the well be successfully completed for production, the District Office will be notified when the well is placed in producing status. Such notification may be made by phone, but must be followed by a sundry notice or letter not later than five (5) business days following the date on which the well is placed on production.

A first production conference will be scheduled as soon as production testing begins and hydrocarbons reach the surface. This conference should be coordinated through the Resource Area Office.

Well Completion Report- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted to the District Office not later than thirty (30) days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings and/or samples) will be submitted when requested by the District Office.

Venting/Flaring of Gas- Gas produced from this well may not be vented/flared beyond an initial, authorized test period of 30 days or 50 Mmcf, whichever first occurs, without the prior written approval of the District Office. Should gas be vented or flared without approval beyond the authorized test period, the well may be ordered shut-in until the gas can be captured or approval to continue venting/flaring as uneconomical is granted. In such cases, compensation to the lessor shall be required for that portion of the gas that is vented/flared without approval which is determined to have been avoidably lost.

Produced Water- Produced waste water may be confined to an unlined pit for a period not to exceed 90 days after initial production. During the 90 day period, an application for approval of a permanent disposal method and location, along with a water analysis, if required, will be submitted to the District Officer for approval pursuant to Onshore Oil & Gas Order No. 7.

Off-Lease Measurement, Storage, Commingling- Prior approval must be obtained from the District Office for off-lease measurement, off-lease storage or commingling (either down-hole or at the surface).

Plugging and Abandonment- If the well is completed as a dry hole, plugging instructions must be obtained from the District Office prior to initiating plugging operations. Table 1 of this document provides the after-hours phone numbers of personnel who are authorized to give plugging instructions.

A "Subsequent Report of Abandonment" (Form 3160-5) will be filed with the District Office within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the Area Manager or his representative, or the appropriate surface managing agency.

TABLE 1

NOTIFICATIONS

Notify Jeff Brown, Robert Larsen or Bob Turri of the San Juan Resource Area, at (801) 587-2141 for the following:

2 days prior to commencement of dirt work, construction or reclamation;

1 day prior to spudding;

3 hours prior to testing BOPE; when the kick-off-point is reached. 50 feet prior to reaching the surface and intermediate casing (5-1/2") setting depths.

If the person at the above number cannot be reached, notify the Moab District Office at (801) 259-6111. If unsuccessful, notify the person listed below.

Well abandonment operations require 24 hour advance notice and prior approval. In the case of newly drilled dry holes, verbal approval can be obtained by calling the Moab District Office, Branch of Fluid Minerals at (801) 259-6111. If approval is needed after work hours, you may contact the following:

Eric Jones, Petroleum Engineer

Office: (801) 259-6111

Home: (801) 259-2214

(Utah, continued from Page 1)

33s-7e, another as-yet unpermitted 7000-ft test of Tapeats (PI 5-5 & 6-28-93).

Approval of federal drilling permits for both ventures was held up last year by appeals from the Southern Utah Wilderness Alliance on behalf of the Utah Wilderness Coalition. The BLM last summer completed an EA of the area and gave public notice that it planned to grant BHP permission to drill. The environmental group appealed the findings of the EA to the director of the BLM's Utah State Office, who subsequently ruled that the EA was to be revised to reflect the coalition's concerns.

The proposed drillsite for BHP's 1 Circle Cliffs-Federal falls within the boundaries of an area that the environmental group wants designated as wilderness. The area is included in a federal wilderness bill, HR 1500, that was introduced in the U.S. House of Representatives earlier this year. That bill has not yet been passed out of committee for a vote on the House floor.

According to BLM officials, BHP, the BLM and the environmental coalition have settled on the 2 Circle Cliffs-Federal location as the most likely site to be drilled, since it is outside the boundaries proposed for HR 1500. The 1 Circle Cliffs-Federal

site is geologically the better site, according to BHP, which informed the BLM that it could still test its theory at the 2 Circle Cliffs-Federal location.

Late last year, BHP was granted a state drilling permit for a 7350-ft Tapeats test in the area on a state lease at the 1 State-2 in sw sec 2-34s-7e (PI 12-2-93). No activity has been reported at that site. The state location would only be drilled if both proposed federal ventures are not approved, according to the BLM.

The area is approximately 36 miles east-northeast of the northern Kaiparowits Basin's Upper Valley field, which produces oil from the Permian Kaibab limestone.

Meanwhile, Meridian Oil Inc has been granted BLM approval to drill a remote horizontal Cane Creek (Paradox) test in the northern Paradox Basin 13 miles north-northwest of Monticello, Utah.

Plans call for the northern San Juan County wildcat, the 22-31H Peridot-Federal, to be spudded from a surface location 2000 ft from the north line and 1620 ft from the west line (se nw) of 31-31s-23e. The proposed bottom-hole location has not been disclosed. Total measured depth will be about 9900 ft; true vertical depth is estimated at 6700 ft.

Meridian anticipates a horizontal displacement of about 2600 ft with a 2000-ft lateral in Cane Creek.

Anticipated formation tops include Hermosa at 2893 ft, Ismay 4200, salt 4524, Akah 5334, Cane Creek "A" 6572, Cane Creek "B" 6599, Cane Creek "C" 6625 and Leadville at 7229 ft. Ground elevation at the site is 6251 ft. Potential oil- and gas-bearing zones include the Cane Creek "B" and Ismay.

The horizontal wildcat is 12 miles southwest of Leadville (Mississippian) oil production in Lisbon field and approximately 40 miles southeast of the current main focus of horizontal Cane Creek exploration along the San Juan/Grand County line.

Meridian first proposed drilling this horizontal wildcat in 1991. The company was granted state and federal approval to drill the venture in early 1992 as the obligation well for the Peridot Federal Unit (PI 2-3-92). However, the company let those state and federal permits lapse. Late last year, the company informed both the state and the BLM that it wanted to drill the 22-31H Peridot-Federal after all and reapplied for the required drilling permits. Meridian received state approval for the well last December and only recently was granted a permit by the BLM.

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Rocky Mountain Region Report (USPS 113-170). Price: \$1644 per year. "Northern Edition" Price: \$1392 per year. "Wyoming Edition" Price \$1392 per year. "Four Corners-Intermountain Edition" Price \$1008 per year. "Southeastern Edition" Price \$1008 per year. "Newsletter Edition" Price \$936 per year. Published by Petroleum Information Corporation, Monday through Friday except Presidents' Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and the day after, and Christmas Day and the day after, 4100 East Dry Creek Road, Littleton, CO 80122. Second class postage paid at Littleton, CO 80122 and additional mailing offices. Postmaster: Send address changes to: Rocky Mountain Region Report, P.O. Box 2612, Denver, CO 80201.

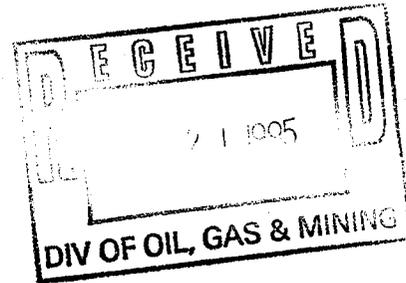


**Union Pacific
Resources**

A Subsidiary of Union Pacific Corporation

March 16, 1995

U.S. Department of the Interior
Bureau of Land Management
82 East Dogwood
Moab, Utah 84532



ATTN: Gary Torres

RE: **Sundry Notice of Change of Operator
Peridot Federal Unit 23-31H
Section 31, T. 31 S., R. 23 E., SLBM
San Juan County, Utah**

Dear Mr. Torres

Enclosed please find a Sundry Notice of Change of Operator for the above referenced well. Union Pacific Resources Company (UPRC) does not plan to drill this well and consequently requests that the Application For Permit To Drill, originally filed by Meridian Oil Company on October 8, 1993, and approved by the BLM on March 11, 1994, be withdrawn.

Please call me at (817) 877-7952 if you have any questions or need additional information.

Yours truly,

UNION PACIFIC RESOURCES COMPANY

W. F. Brazelton
Senior Regulatory Analyst

OPERATOR MERIDIAN OIL INC

OPERATOR ACCT. NO. N 7230

ADDRESS _____

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	11619	43-037-31736	PERIDOT FEDERAL 22-31H	SEW	31	31S	23E	SAN JUAN	2-1-92	
WELL 1 COMMENTS: *ORIG APD 4303731657 LA'D 93'/DRY HOLE SPUD 2-1-92, ENTITY ADDED 3-23-94.											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

L. CORDOVA (DOGM)

Signature

ADMIN. ANALYST

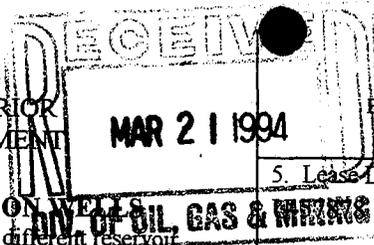
3-23-94

Title

Date

Phone No. () _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT



FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or re-entry to a different reservoir.
Use "APPLICATION FOR PERMIT-" for such proposals.

5. Lease Designation and Serial No.

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA, Agreement Designation
N/A

8. Well Name and No.
22-31H Peridot Unit Federal

9. API Well No.
43-037-31657

10. Field and Pool, or Exploratory Area
Wildcat

11. County or Parish, State
San Juan County, UT

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Meridian Oil Inc.

3. Address and Telephone No.
5613 DTC Parkway, Englewood, CO 80111 (303) 930-9300

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2000' FNL, 1620' FWL SENW Sec. 31-T31S-23E

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other <u>Change of Ownership</u>	<input type="checkbox"/> Dispose Water

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

13. Described Proposed or Completed Operations (Clearly state all pertinent details and give pertinent dates including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Effective January 14, 1994, Meridian Oil Inc. sold all of its interest in the captioned well to Union Pacific Resources Company.

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

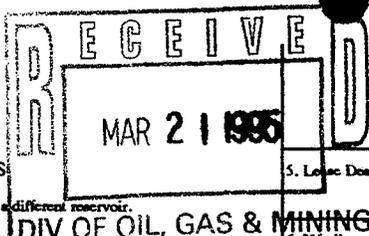
Signed Eileen Danni Dey Title Regulatory Compliance Adm. Date 3/17/94

(This space for Federal or State office use)

Approved By _____ Title _____ Date _____
Condition of Approval, If any: _____

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statement or representations as to any matter within its jurisdiction.

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT SUNDRY NOTICES AND REPORTS ON WELLS



FORM APPROVED Budget Bureau No. 1004-0135 Expires March 31, 1993

Do not use this form for proposals to drill new wells or to deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT TO DRILL -" for such proposals

5. Lease Designation and Serial No.

U-57878

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE

NA

1. Type of Well:

OIL (X) GAS () OTHER:

7. If Unit or CA, Agreement Designation

NA

2. Name of Operator

Union Pacific Resources Company

8. Well Name and No.

Peridot Unit Federal

3. Address and Telephone Number

P. O. Box 7 MS 3006 Fort Worth, Texas 76101-0007 Telephone (817) 877-6000 (Main Number)

9. API Well No.

22-31H

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2000' FNL, 1620' FWL Sec. 31, T. 31 S., R. 23 E.

10. Field and Pool, or Exploratory Area

Wildcat

11. County of Parish, State

San Juan, Utah

12 CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

Table with 2 columns: TYPE OF SUBMISSION and TYPE OF ACTION. Includes options for Notice of Intent, Subsequent Report, Final Abandonment Notice, Abandonment, Recompletion, Plugging Back, Casing Repair, Altering Casing, Change of Plans, New Construction, Non-Routine Fracturing, Water Shut-Off, Conversion to Injection, and Dispose Water.

13. 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)*

Please be advised that Union Pacific Resources Company has purchased the above referenced well and is now Operator.

CONFIDENTIAL

PLEASE CONSIDER ALL SUBMITTALS PERTAINING TO THIS WELL AS "COMPANY CONFIDENTIAL"

If additional information is needed, please contact the undersigned at (817) 877-7952, FAX (817) 877-7942

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

Name/Signature: W. F. Brazelton

Handwritten signature of W. F. Brazelton

Title: Senior Regulatory Analyst

Date: 95-03-16

(This space for Federal or State office use)

Approved by

Title

Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Facsimile Cover Sheet

To: Lisha Cordova
Company: State of Utah
Phone: 801/538-5340
Fax: 801/359-3940

From: Maralene Spawn
Company: Meridian Oil Inc.
Phone: 303/930-9436
Fax: 303/930-9491

Date: 3/22/95
Pages including this 2
cover page:

Comments: Let me know if you need any other information.

MERIDIAN OIL

March 22, 1995

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

RE: Change of Operator

Gentlemen:

Effective January 14, 1994 Meridian Oil Inc. resigned as operator of the following well:

22-31H Peridot Unit Federal, API #4303731736 31657

The new operator of the above listed property is Union Pacific Resources Company.

Yours truly,



Maralene Spawn
Supervisor, Volume Administration

RECEIVED
MAY 4 1995

FORM 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
SUNDRY NOTICES AND REPORTS ON WELLS

FORM APPROVED
 Budget Bureau No. 1004-0135
 Expires March 31, 1993

Do not use this form for proposals to drill new wells or to deepen or reentry to a different reservoir.
 Use "APPLICATION FOR PERMIT TO DRILL -" for such proposals.

DEPARTMENT OF OIL, GAS & MINING

SUBMIT IN TRIPLICATE		5. Lease Designation and Serial No. U-57878
		6. If Indian, Allottee or Tribe Name NA
1. Type of Well: OIL (<input checked="" type="checkbox"/>) GAS () OTHER:		7. If Unit or CA, Agreement Designation NA
2. Name of Operator Union Pacific Resources Company		8. Well Name and No. Peridot Unit Federal
3. Address and Telephone Number P. O. Box 7 MS 3006 Fort Worth, Texas 76101-0007 Telephone (817) 877-6000 (Main Number)		9. API Well No. 22-31H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 2000' FNL, 1620' FWL Sec. 31, T. 31 S., R. 23 E.		10. Field and Pool, or Exploratory Area Wildcat
		11. County of Parish, State San Juan, Utah

12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent <input type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input checked="" type="checkbox"/> Other	<input type="checkbox"/> Change of Plans <input type="checkbox"/> New Construction <input type="checkbox"/> Non-Routine Fracturing <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Dispose Water <small>(Note: Report results of multiple completions on Well Completion or Recompletion Report and Log Form)</small>

13. 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)*

Please be advised that Union Pacific Resources Company has purchased the above referenced well and is now Operator.

CONFIDENTIAL

PLEASE CONSIDER ALL SUBMITTALS PERTAINING TO THIS WELL AS "COMPANY CONFIDENTIAL"
If additional information is needed, please contact the undersigned at (817) 877-7952, FAX (817) 877-7942

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

Name/Signature: W. F. Brazelton Title: Senior Regulatory Analyst Date: 95-03-16

(This space for Federal or State office use)

Approved by /S/ WILLIAM C. STRINGER Associate District Manager Date: APR 27 1995

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instructions On Reverse Side

Union Pacific Resources Company
Well No. Peridot Unit Federal 22-31H
SENE Sec. 31, T. 31 S., R. 23 E.
San Juan County, Utah
Lease UTU57878

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that Union Pacific Resources Company is considered to be the operator of the above wells and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by WY1280 (Principal - Union Pacific Resources Company) via surety consent as provided for in 43 CFR 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.

Division of Oil, Gas and Mining
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

- Well File _____ Suspense _____ Other _____
PERIDOT UNIT FED 22-31H (Return Date) _____ OPERATOR CHANGE
(Location) Sec31 Twp31S Rng23E (To - Initials) _____
(API No.) 43-037-31657 _____

1. Date of Phone Call: 5-16-95 Time: 3:00

2. DOGM Employee (name) L. CORDOVA (Initiated Call
Talked to:
Name VERLENE BUTTS (Initiated Call - Phone No. (801) 259-6111
of (Company/Organization) BLM/MOAB

3. Topic of Conversation: (OPER CHG FR MERIDIAN TO UPRC) FOR API NO. 43-037-31657/LA'D
OR 43-037-31736/DRL?
per BLM
**TWO API NUMBERS ASSIGNED TO THE SAME WELL IN ERROR!

4. Highlights of Conversation: _____
DOGm LA'd 5-22-95 based on this conversation
THE BLM IS IN THE PROCESS OF RESCINDING 43-037-31736/DRL; THE OPER CHG FR
MERIDIAN TO UPRC IS FOR 43-037-31657/LA "THEY CONSIDER THIS WELL DRL-SHUT IN"
NOT LA'D AS PER DOGM RECORDS. (SEE FILE FOR FURTHER INFO)
THE RESCIND LTR WILL BE SENT ASAP. *DOGm returned this to DRL status*

*UPRC IS HANGING ONTO WELL FOR LEASE PURPOSES ONLY; WILL PROBABLY NEVER DRL.

*DTS
5/22/95*

Division of Oil, Gas and Mining
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File _____ **Suspense** _____ **Other** _____
PERIDOT UNIT FED 22-31H (Return Date) _____ OPERATOR CHANGE _____
(Location) Sec31 Twp31S Rng23E (To - Initials) _____ _____
(API No.) 43-037-31657 _____ _____

1. Date of Phone Call: 5-16-95 Time: 3:00

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per BLM
**TWO API NUMBERS ASSIGNED TO THE SAME WELL IN ERROR!

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NOT LA'D AS PER DOGM RECORDS. (SEE FILE FOR FURTHER INFO)
THE RESCIND LTR WILL BE SENT ASAP.

*UPRC IS HANGING ONTO WELL FOR LEASE PURPOSES ONLY; WILL PROBABLY NEVER DRL.

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1-AC	7-PL
2-LWP	8-SJ
3-DT	9-FILE
4-VLC	
5-RJF	
6-LWP	

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold) Designation of Agent
 Designation of Operator Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 1-14-94)

TO (new operator)	<u>UNION PACIFIC RESOURCES CO</u>	FROM (former operator)	<u>MERIDIAN OIL INC</u>
(address)	<u>PO BOX 7 MS 2602</u>	(address)	<u>PO BOX 3209</u>
	<u>FT WORTH TX 76101-0007</u>		<u>ENGLEWOOD CO 80155-3209</u>
phone (<u>817</u>)	<u>877-6490</u>	phone (<u>303</u>)	<u>930-9419</u>
account no. <u>N 9465</u>		account no. <u>N 7230</u>	

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

Name: <u>PERIDOT UNIT FED 22-31H</u>	API: <u>43-037-31657</u>	Entity: <u>11369</u>	Sec <u>31</u> Twp <u>31S</u> Rng <u>23E</u>	Lease Type: <u>U57878</u>
Name: <u>(LA TO DRL)</u>	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- 1cc 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 3-21-94) (Rec'd 3-22-95)*
- 1cc 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Rec'd 5-4-95)*
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) _____ If yes, show company file number: _____.
- 1cc 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- 1cc 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(5-17-94)*
- 1cc 6. Cardex file has been updated for each well listed above. *5-18-95*
- 1cc 7. Well file labels have been updated for each well listed above. *5-18-95*
- 1cc 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(5-17-94)*
- 1cc 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- See* 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes no ____ (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A* 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- N/A/See* 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- ___ 2. A copy of this form has been placed in the new and former operators' bond files.
- ___ 3. The former operator has requested a release of liability from their bond (yes/no) ____.
Today's date _____ 19____. If yes, division response was made by letter dated _____ 19____.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A* 1. (Rule R615-2-10) The former operator/lessee of any **fee lease** well listed above has been notified by letter dated _____ 19____, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
OTS 5/22/85
- N/A* 2. Copies of documents have been sent to State Lands for changes involving **State leases**.

FILMING

- ___ 1. All attachments to this form have been microfilmed. Date: _____ 19____.

FILING

- ___ 1. Copies of all attachments to this form have been filed in each well file.
- ___ 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

Division of Oil, Gas and Mining
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File _____ **Suspense** _____ **Other** _____
PERIDOT UNIT FED 22-31H (Return Date) _____ OPERATOR CHANGE _____
(Location) Sec31 Twp31S Rng23E (To - Initials) _____ _____
(API No.) 43-037-31657 _____

1. Date of Phone Call: 5-16-95 Time: 3:00

2. DOGM Employee (name) L. CORDOVA (Initiated Call
Talked to:

Name VERLENE BUTTS (Initiated Call - Phone No. (801) 259-6111

of (Company/Organization) BLM/MOAB

3. Topic of Conversation: (OPER CHG FR MERIDIAN TO UPRC) FOR API NO. 43-037-31657/LA'D
OR 43-037-31736/DRL?

per BLM
**TWO API NUMBERS ASSIGNED TO THE SAME WELL IN ERROR!

4. Highlights of Conversation: _____

DOGm LA'd 5-22-95 based on this conversation
THE BLM IS IN THE PROCESS OF RESCINDING 43-037-31736/DRL; THE OPER CHG FR

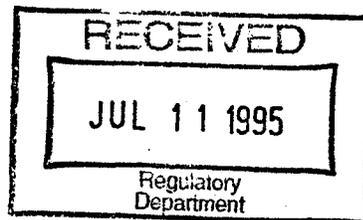
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NOT LA'D AS PER DOGM RECORDS. (SEE FILE FOR FURTHER INFO)

THE RESCIND LTR WILL BE SENT ASAP. *DOGm returned this to DRL status*

*UPRC IS HANGING ONTO WELL FOR LEASE PURPOSES ONLY; WILL PROBABLY NEVER DRL.

DTS
5/22/95

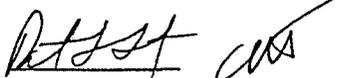


Peridot Unit Federal 22-31H
SENW S3 T31S R23E
San Juan County, Utah
Elevation = 6251'

Conditions: 20" conductor pipe is set @ +/-100'. A drilling location is built with an unlined reserve pit. The reserve pit is empty and no drilling fluid has ever been put in it.

Plug and Abandonment Procedure: 6-8-95

1. Fill the conductor pipe with class G cement. Install a plate across the top of the conductor pipe.
2. No P&A marker needs to be set (per Gary Torres, BLM).
3. Rehabilitate location.


P. L. Stevens

cc: J. Neuner
M. Talbott
P. Straub
B. Brazelton
Files

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
SUNDRY NOTICES AND REPORTS ON WELLS

CONFIDENTIAL

FORM APPROVED
 Budget Bureau No. 1004-0135
 Expires March 31, 1993

Do not use this form for proposals to drill new wells or to deepen or reentry to a different reservoir.
 Use "APPLICATION FOR PERMIT TO DRILL --" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well:

OIL () GAS () OTHER (X) Dry Hole

2. Name of Operator

Union Pacific Resources Company

3. Address and Telephone Number

P. O. Box 7 MS 3006 Fort Worth, Texas 76101-0007
 Telephone (817) 877-6000 (Main Number)

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Surface Location: 2000' FNL, 1620' FWL Sec. 31, T. 31 S., R. 23 E., SLBM

5. Lease Designation and Serial No.

UTU-57878

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

NA

8. Well Name and No.

Peridot Federal 22-31H

9. API Well No.

43-037-31657

10. Field and Pool, or Exploratory Area

Wildcat

11. County of Parish, State

San Juan, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
() Notice of Intent	(X) Abandonment
(X) Subsequent Report	() Recompletion
() Final Abandonment Notice	() Plugging Back
	() Casing Repair
	() Altering Casing
	() Other:
	() Change of Plans
	() New Construction
	() Non-Routine Fracturing
	() Water Shut-Off
	() Conversion to Injection
	() Dispose Water

(Note: Report results of multiple completions on Well Completion or Recompletion Report and Log Form)

13. 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)*

Please be advised that Union Pacific Resources Company has completed reclamation of the reserve pit and wellsite for the above referenced well. Please also be advised that this well was never drilled, consequently the reserve pit was never used for the purpose for which it was built. Union Pacific Resources Company and the surface owner worked out an agreement wherein the drill pad was left in its present condition for the owner's use.

PLEASE CONSIDER ALL SUBMITTALS PERTAINING TO THIS WELL AS "COMPANY CONFIDENTIAL"
 If additional information is needed, please contact the undersigned at (817) 877-7952, FAX (817) 877-7942

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

Name/Signature: W. F. Brazelton *W. F. Brazelton* Title: Senior Regulatory Analyst Date: 96-01-18

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Title 18 U.S.C. Section 1001 makes it a crime for any person knowingly and willfully to make to any department or any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



**Union Pacific
Resources**

A Subsidiary of Union Pacific Corporation

4 1996

COPY

January 19, 1996

Bureau of Land Management
United States Department of the Interior
82 East Dogwood - Suite M
Moab, Utah 84532

ATTN: Mr. Gary Torres

RE: **Sundry Notices of Reclamation
UPRC Winchester Federal 21-1H
UPRC Remington Federal 21-1H
Peridot Federal 22-31H
San Juan County, Utah**

Dear Mr. Torres:

Enclosed please find one original and two copies each of Sundry Notices of reclamation for the above three wells located in San Juan County, Utah. Union Pacific Resources Company (UPRC) has complete reserve pit closures and reclamation at each of the locations. At this time UPRC anticipates no further activity for these locations.

I would like to take this opportunity to personally express the appreciation on the part of both UPRC and myself for the cooperation and courtesy you and your staff extended during our work in the area. I only wish it had proved an economic success.

Please contact me at (817) 877-7952, FAX (817) 877-7942, if you have any questions or need additional information.

Yours truly,

UNION PACIFIC RESOURCES COMPANY

W. F. Brazelton
Senior Regulatory Analyst

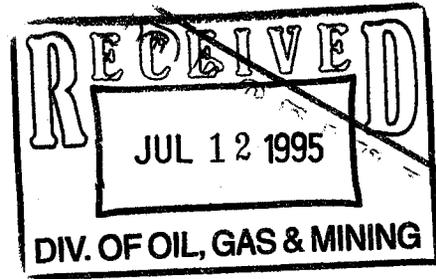


Union Pacific Resources

A Subsidiary of Union Pacific Corporation

July 11, 1995

United States Department of the Interior
 Bureau of Land Management
 Moab District Office
 82 East Dogwood - Suite M
 Moab, Utah 84532



ATTN: Mr. Gary Torres

RE: **Proposed Plugging Procedure**
Peridot Federal 22-31H
Section 22, T. 31 S., R. 23 E.
San Juan County, Utah

CONFIDENTIAL

Dear Gary:

Enclosed for your review and approval is an original and one copy of the plugging procedure Union Pacific Resources C well. Because of scheduling eqt your earliest convenience. Post-it routing request pad 7664 BRAND

Please call me at (817) 87 additional information.

Yours truly,

UNION PACIFIC RESO

W.F. Brazelton

W. F. Brazelton
 Senior Regulatory Analyst

ROUTING - REQUEST

Please READ HANDLE APPROVE FORWARD RETURN KEEP OR DISCARD REVIEW WITH ME

and

To *[Signature]* need

[Signature]

Senkory

7/25/95

From *[Signature]*

cc: Mike Hebertson, Utah Division of Oil, Gas and Mining - Salt Lake City

Meridian Oil Inc
43-037-31736
Sec. 31 31S, 23E
Files Combined



**Union Pacific
Resources**

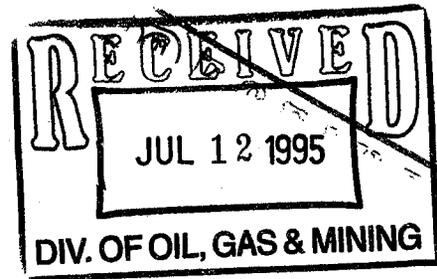
A Subsidiary of Union Pacific Corporation

July 11, 1995

United States Department of the Interior
Bureau of Land Management
Moab District Office
82 East Dogwood - Suite M
Moab, Utah 84532

ATTN: Mr. Gary Torres

RE: **Proposed Plugging Procedure
Peridot Federal 22-31H
Section 22, T. 31 S., R. 23 E.
San Juan County, Utah**



CONFIDENTIAL

Dear Gary:

Enclosed for your review and approval is an original and one copy of the plugging procedure Union Pacific Resources Company (UPRC) proposes to use on the above referenced well. Because of scheduling equipment and manpower, UPRC solicits approval of the procedure at your earliest convenience.

Please call me at (817) 877-7952, FAX (817) 877-7942, if you have any questions or need additional information.

Yours truly,

UNION PACIFIC RESOURCES COMPANY

W. F. Brazelton
Senior Regulatory Analyst

cc: Mike Hebertson, Utah Division of Oil, Gas and Mining - Salt Lake City

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
SUNDRY NOTICES AND REPORTS OF WELLS

RECEIVED
JUL 12 1995

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

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5. Lease Designation and Serial No.

UTU-57878

6. Indian, Allottee or Tribe Name

NA

SUBMIT IN TRIPLICATE

1. Type of Well:

OIL (X) GAS () OTHER:

7. If Unit or CA, Agreement Designation

Peridot Federal

2. Name of Operator

Union Pacific Resources Company

8. Well Name and No.

Peridot Federal Unit 22-31H

3. Address and Telephone Number

P. O. Box 7 MS 3006 Fort Worth, Texas 76101-0007

Telephone (817) 877-6000 (Main Number)

9. API Well No.

037
43-043-31657

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Surface Location: 2000' FNL, 1620' FWL Section 31, T. 31 S., R. 23 E., SLM (SENW)

10. Field and Pool, or Exploratory Area

Wildcat

11. County of Parish, State

San Juan, Utah

12 CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
(X) Notice of Intent	(X) Abandonment () Change of Plans
() Subsequent Report	() Recompletion () New Construction
() Final Abandonment Notice	() Plugging Back () Non-Routine Fracturing
	() Casing Repair () Water Shut-Off
	() Altering Casing () Conversion to Injection
	() Other () Dispose Water

(Note: Report results of multiple completions on Well Completion or Recompletion Report and Log Form)

13. 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)*

Union Pacific Resources Company proposes to permanently plug and abandon the abover referenced well as per the attached procedure.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

PLEASE CONSIDER ALL SUBMITTALS PERTAINING TO THIS WELL AS "COMPANY CONFIDENTIAL"

If additional information is needed, please contact the undersigned at (817) 877-7952, FAX (817) 877-7942

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

Name/Signature: W. F. Brazelton

Title: Senior Regulatory Analyst

Date: 95-07-11

(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



**Union Pacific
Resources**

A Subsidiary of Union Pacific Corporation

August 20, 1996

Division of Oil, Gas and Mining
Utah Department of Natural Resources
P. O. Box 14581
1594 West North Temple - Suite 1210
Salt Lake City, Utah 84114-5801

ATTN: Mr. Frank Matthews

**RE: Completion Report
UPRC Peridot Federal 22-31H
Section 32, T. 31 S., R. 23 E., SLM
San Juan County, Utah**

Dear Mr. Matthews:

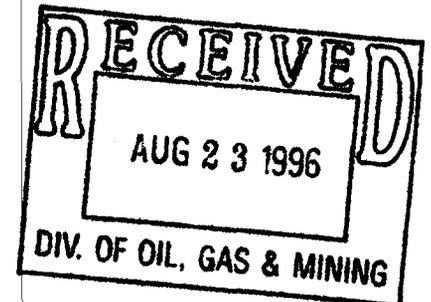
Enclosed please find one original completion report for the above referenced well. Please excuse my tardiness in submitting the report. I apologize for any problems that I may have caused.

Please call me at (817) 877-7952, FAX (817) 87707942, if you have any questions or need additional information.

Yours truly,

UNION PACIFIC RESOURCES COMPANY

W. F. Brazelton
Senior Regulatory Analyst



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
AUG 23 1996
DIV. OF OIL, GAS & MINING

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill new wells or to deepen or rework existing wells.
Use "APPLICATION FOR PERMIT TO DRILL -" for such proposals.

3. Lease Designation and Serial No.
UTU-57878

6. If Indian, Allottee or Tribe Name
NA

7. If Unit or CA, Agreement Designation
NA

8. Well Name and No.
Peridot Federal 22-31H

9. API Well No.
43-037-31657

10. Field and Pool, or Exploratory Area
Wildcat

11. County of Parish, State
San Juan, Utah

SUBMIT IN TRIPLICATE

CONFIDENTIAL

1. Type of Well:
OIL () GAS () OTHER (X) Dry Hole

2. Name of Operator
Union Pacific Resources Company

3. Address and Telephone Number
P. O. Box 7 MS 3006 Fort Worth, Texas 76101-0007
Telephone (817) 877-6000 (Main Number)

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Surface Location: 2000' FNL, 1620' FWL Sec. 31, T. 31 S., R. 23 E., SLBM

12 CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
() Notice of Intent	(X) Abandonment
(X) Subsequent Report	() Recompletion
(X) Final Abandonment Notice	() Plugging Back
	() Casing Repair
	() Altering Casing
	() Other:
	() Change of Plans
	() New Construction
	() Non-Routine Fracturing
	() Water Shut-Off
	() Conversion to Injection
	() Dispose Water

(Note: Report results of multiple completions on Well Completion or Recompletion Report and Log Form)

19/96
VB

13. 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)*

Please be advised that Union Pacific Resources Company has completed reclamation of the reserve pit and wellsite for the above referenced well. Please also be advised that this well was never drilled, consequently the reserve pit was never used for the purpose for which it was built. Union Pacific Resources Company and the surface owner worked out an agreement wherein the drill pad was left in its present condition for the owner's use.

RECEIVED
MAR 25 1996
REGULATORY DEPARTMENT

JAN 1996
Received
BLM
Moab District

PLEASE CONSIDER ALL SUBMITTALS PERTAINING TO THIS WELL AS "COMPANY CONFIDENTIAL"
If additional information is needed, please contact the undersigned at (817) 877-7952, FAX (817) 877-7942

14 I hereby certify that the foregoing is true and correct.
Name/Signature: W. F. Brazelton *W. F. Brazelton* Title: Senior Regulatory Analyst Date: 96-01-18

(This space for Federal or State office use)
Approved by *[Signature]* Assistant District Manager
Title: Resource Management Date: 3/19/96

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT SUNDRY NOTICES AND REPORTS ON WELLS

RECEIVED MAR 06 1996 Regulatory Department

FORM APPROVED Budget Bureau No. 1004-0135 Expires March 31, 1993

Do not use this form for proposals to drill new wells or to deepen or reentry to different reservoirs. Use "APPLICATION FOR PERMIT TO DRILL --" for such proposals

5. Lease Designation and Serial No. UTU-57878
6. If Indian, Allottee or Tribe Name NA
7. If Unit or CA, Agreement Designation NA
8. Well Name and No. Peridot Federal 22-31H
9. API Well No. 43-037-31657
10. Field and Pool, or Exploratory Area Wildcat
11. County of Parish, State San Juan, Utah

SUBMIT IN TRIPLICATE

1. Type of Well: OIL () GAS () OTHER (X) Dry Hole
2. Name of Operator Union Pacific Resources Company
3. Address and Telephone Number P. O. Box 7 MS 3006 Fort Worth, Texas 76101-0007 Telephone (817) 877-6000 (Main Number)
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Surface Location: 2000' FNL, 1620' FWL Sec. 31, T. 31 S., R. 23 E., SLBM (SE/4 NW/4) NW/NW Sec. 21, T. 31 S., R. 24 E., SLBM

CONFIDENTIAL

12 CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

Table with columns: TYPE OF SUBMISSION, TYPE OF ACTION. Includes options for Abandonment, Recompletion, Plugging Back, etc.

13. 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)*

Please be advised that Union Pacific Resources Company permanently plugged and abandoned the above referenced well according to the attached procedure.

RECEIVED AUG 23 1996 DIV. OF OIL, GAS & MINING

Circular stamp: DEC 1995 Received BLM Moab District

PLEASE CONSIDER ALL SUBMITTALS PERTAINING TO THIS WELL AS "COMPANY CONFIDENTIAL" If additional information is needed, please contact the undersigned at (817) 877-7952, FAX (817) 877-7942

14 I hereby certify that the foregoing is true and correct. Name/Signature: W. F. Brazelton Title: Senior Regulatory Analyst Date: 95-12-11

(This space for Federal or State office use) Approved by [Signature] Assistant District Manager Resources Management Date: 2/28/96

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 makes it a crime for any person knowingly and willfully to make to any department or any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Union Pacific Resources Company
Well No. Peridot Federal 22-31H
SENW Sec. 31, T. 31 S., R. 23 E.
San Juan County, Utah
Lease UTU57878

CONDITIONS OF APPROVAL

Contact Jeff Brown of the Bureau of Land Management, San Juan Resource Area at (801) 587-2141 for surface reclamation requirements.

Section V. of Onshore Oil and Gas Order No. 1 requires that operators submit three, separate notices (Form 3160-5) in relation to the plugging and abandonment of any jurisdictional well, i.e., a Notice of Intent (NIA) as a precursor to the commencement of actual abandonment operations or as a written confirmation of an orally prescribed abandonment program; a Subsequent Report of Abandonment (SRA) reflecting the actual downhole abandonment operations performed, which is to be submitted within 30 days of completing those operations; and, a notice from the operator that the required surface reclamation requirements have been completed and, thus, the site is now ready for inspection. Section V. also states that "Final abandonment shall not be approved until the surface reclamation work required by the approved drilling permit or approved abandonment notice (NIA) has been completed to the satisfaction of the San Juan Resource Area".

Accordingly, final approval of an abandoned well has two components:

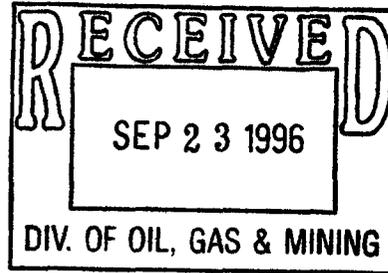
- 1) Satisfactory completion of the approved downhole plugging plan.
- 2) Satisfactory reclamation of the site.

You will therefore be required to submit a Final Abandonment Notice on a Sundry Notice (Form 3160-5) when vegetative reclamation is complete. You will not be released from bond liability on this location until such final abandonment has been approved by the Moab District Office.



August 20, 1996

Division of Oil, Gas and Mining
Utah Department of Natural Resources
3 Triad Center - Suite 350
355 West North Temple Street
Salt Lake City, Utah 84190



ATTN: Mr. Frank Matthews

RE: **Completion Report**
UPRC Peridot Federal 22-31H
Section 32, T. 31 S., R. 23 E., SLM
San Juan County, Utah

CONFIDENTIAL

Dear Mr. Matthews:

Enclosed please find copies of several Federal sundry notices relating to closing the above referenced well and reclaiming the location. This is a well that Union Pacific Resources Company acquired in a San Juan County deal after the conductor for the well had been set. The well was never drilled and I forgot to submit copies of the sundry notices to the DOGM when we reclaimed the location.

Please call me at (817) 877-7952, FAX (817) 87707942, if you have any questions or need additional information.

Yours truly,

UNION PACIFIC RESOURCES COMPANY

W. F. Brazelton
Senior Regulatory Analyst

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT SUNDRY NOTICES AND REPORTS ON WELLS

RECEIVED MAR 06 1996 Regulatory Department

FORM APPROVED Budget Bureau No. 1004-0135 Expires March 31, 1993

Do not use this form for proposals to drill new wells or to deepen or reentry to existing wells. Use "APPLICATION FOR PERMIT TO DRILL" for such proposals.

3. Lease Designation and Serial No. UTU-57878
4. If Indian, Alton or Tribe Name NA
7. If Unit or CA, Agreement Designation NA
8. Well Name and No. Peridot Federal 22-31H
9. API Well No. 43-037-31657
10. Field and Pool, or Exploratory Area Wildcat
11. County of Parish, State San Juan, Utah

SUBMIT IN TRIPLICATE
1. Type of Well: OIL () GAS () OTHER (X) Dry Hole
2. Name of Operator Union Pacific Resources Company
3. Address and Telephone Number P. O. Box 7 MS 3006 Fort Worth, Texas 76101-0007 Telephone (817) 877-6000 (Main Number)
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Surface Location: 2000' FNL, 1620' FWL Sec. 31, T. 31 S., R. 23 E., SLBM (SE/4 NW/4) NW/NW Sec. 21, T. 31 S., R. 24 E., SLBM

12 CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

Table with 2 columns: TYPE OF SUBMISSION and TYPE OF ACTION. Includes checkboxes for Notice of Intent, Subsequent Report, Final Abandonment Notice, Abandonment, Recompletion, Plugging Back, Casing Repair, Altering Casing, Other, Change of Plans, New Construction, Non-Routine Fracturing, Water Shut-Off, Conversion to Injection, and Dispose Water.

13. 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)

Please be advised that Union Pacific Resources Company permanently plugged and abandoned the above referenced well according to the attached procedure.

RECEIVED SEP-2-3 1996 DIV. OF OIL, GAS & MINING

Circular stamp: DEC 1995 Received BLM Moab District

PLEASE CONSIDER ALL SUBMITTALS PERTAINING TO THIS WELL AS "COMPANY CONFIDENTIAL" If additional information is needed, please contact the undersigned at (817) 877-7952, FAX (817) 877-7942

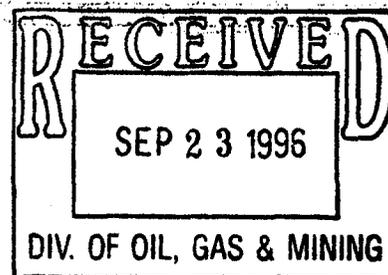
14 I hereby certify that the foregoing is true and correct. Name/Signature: W. F. Brazelton Title: Senior Regulatory Analyst Date: 95-12-11

(This space for Federal or State office use) Approved by [Signature] Assistant District Manager Resources Management Date: 2/28/96

COPIES OF ORIGINAL ATTACHED

Title 18 U.S.C. Section 1001 makes it a crime for any person knowingly and willfully to make to any department or any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Union Pacific Resources Company
Well No. Peridot Federal 22-31H
SENW Sec. 31, T. 31 S., R. 23 E.
San Juan County, Utah
Lease UTU57878



CONDITIONS OF APPROVAL

Contact Jeff Brown of the Bureau of Land Management, San Juan Resource Area at (801) 587-2141 for surface reclamation requirements.

Section V. of Onshore Oil and Gas Order No. 1 requires that operators submit three, separate notices (Form 3160-5) in relation to the plugging and abandonment of any jurisdictional well, i.e., a Notice of Intent (NIA) as a precursor to the commencement of actual abandonment operations or as a written confirmation of an orally prescribed abandonment program; a Subsequent Report of Abandonment (SRA) reflecting the actual downhole abandonment operations performed, which is to be submitted within 30 days of completing those operations; and, a notice from the operator that the required surface reclamation requirements have been completed and, thus, the site is now ready for inspection. Section V. also states that "Final abandonment shall not be approved until the surface reclamation work required by the approved drilling permit or approved abandonment notice (NIA) has been completed to the satisfaction of the San Juan Resource Area".

Accordingly, final approval of an abandoned well has two components:

- 1) Satisfactory completion of the approved downhole plugging plan.
- 2) Satisfactory reclamation of the site.

You will therefore be required to submit a Final Abandonment Notice on a Sundry Notice (Form 3160-5) when vegetative reclamation is complete. You will not be released from bond liability on this location until such final abandonment has been approved by the Moab District Office.

UNITED STATES

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
SUNDRY NOTICES AND REPORTS ON WELLS

RECEIVED
SEP 23 1996
DIV. OF OIL, GAS & MINING

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

Do not use this form for proposals to drill new wells or to deepen or rework an existing well.
Use "APPLICATION FOR PERMIT TO DRILL -"

SUBMIT IN TRIPLICATE

1. Type of Well:

OIL () GAS () OTHER (X) Dry Hole

2. Name of Operator

Union Pacific Resources Company

3. Address and Telephone Number

P. O. Box 7 MS 3006 Fort Worth, Texas 76101-0007
Telephone (817) 877-6000 (Main Number)

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Surface Location: 2000' FNL, 1620' FWL Sec. 31, T. 31 S., R. 23 E., SLBM

5. Lease Designation and Serial No.

UTU-57878

6. If Indian, Allocated or Tribe Name

NA

7. If Unit or CA, Agreement Designation

NA

8. Well Name and No.

Peridot Federal 22-31H

9. API Well No.

43-037-31657

10. Field and Pool, or Exploratory Area

Wildcat

11. County of Parish, State

San Juan, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

() Notice of Intent

(X) Abandonment

() Change of Plans

(X) Subsequent Report

() Recompletion

() New Construction

(X) Final Abandonment Notice

() Plugging Back

() Non-Routine Fracturing

() Casing Repair

() Water Shut-Off

() Altering Casing

() Conversion to Injection

() Other:

() Dispose Water

(Note: Report results of multiple completions on Well Completion or Recompletion Report and Log Form)

13. 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)

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RECEIVED
MAR 25 1996
REGULATORY DEPARTMENT

JAN 1996
Received
BLM
Moab District

PLEASE CONSIDER ALL SUBMITTALS PERTAINING TO THIS WELL AS "COMPANY CONFIDENTIAL"
If additional information is needed, please contact the undersigned at (817) 877-7952, FAX (817) 877-7942

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

Name/Signature: W. F. Brazelton

W. F. Brazelton

Title: Senior Regulatory Analyst

Date: 96-01-18

(This space for Federal or State office use)

Approved by:

[Signature]

Assistant District Manager

Title Resource Management

Date 3/19/96

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