

MERIDIAN OIL

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MAY 07 1991

**DIVISION OF
OIL GAS & MINING**

May 6, 1991

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

RE: Application for Permit to Drill Horizontal Well
22-33H Hatch Point Federal
Sec. 33-T27S-R21E
San Juan County, Utah

Gentlemen:

Please find enclosed Application for Permit to Drill a horizontal well 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 require further information, please feel free to contact me at (303)930-9393.

Very truly yours,



Sally L. DuVall
Regulatory Compliance Compliance

SLD/slt/122

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

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

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: 2595'FNL and 2070'FWL
 At proposed prod. zone: See attached Plat *SENW*

5. LEASE DESIGNATION AND SERIAL NO.
 UT-67568

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

7. UNIT AGREEMENT NAME
 N/A

8. FARM OR LEASE NAME
 Hatch Point Federal

9. WELL NO.
 22-33H

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

11. SEC., T., R., M., OR B.L.K. AND SURVEY OR ABMA
 Sec. 33-T27S-R21E

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

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)
 570'

16. NO. OF ACRES IN LEASE
 1880

17. NO. OF ACRES ASSIGNED TO THIS WELL
 320

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 + 5000'

19. PROPOSED DEPTH
 9700'MD

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5597'GL

22. APPROX. DATE WORK WILL START*
 6-1-91

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	54.5#	700'	650 sx "G" + Additives
12-1/4"	9-5/8"	40#	4700'	480 sx foam; 210 sx Cl. "H"
8-3/4"	5-1/2"	17#, 20#, 23#	9700'	1100 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 Lease Description

RECEIVED

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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.

CONFIDENTIAL

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 *Dee L. Swall* TITLE Regulatory Compliance Representative DATE 5-6-91

(This space for Federal or State office use)

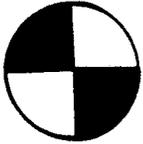
PERMIT NO. 43-037-31630 APPROVAL DATE APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING

APPROVED BY _____ TITLE _____ DATE: 5/15/91

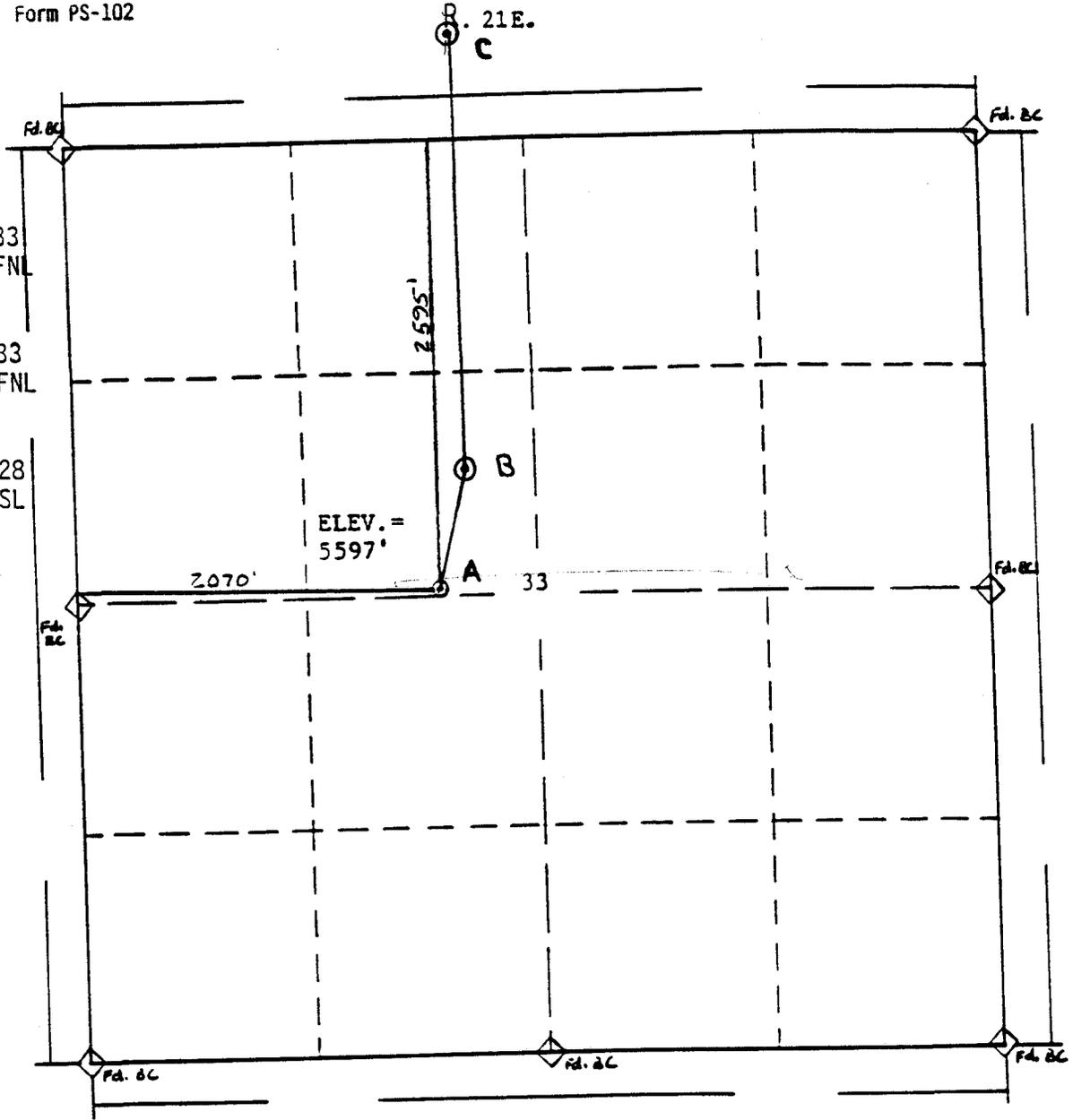
CONDITIONS OF APPROVAL, IF ANY: _____ BY: *[Signature]*

*See Instructions On Reverse Side

WELL SPACING: R015 3-3



Form PS-102



Pt. A
 T27S-R21E Sec.33
 2070' FWL-2595' FNL

Pt. B
 T27S-R21E Sec.33
 2250' FWL-1900' FNL

Pt. C
 T27S-R21E Sec.28
 2250' FWL-600' FSL

ELEV. =
 5597'

T.27S.

Scale: 1"=1000'

Powers Elevation of Denver, Colorado has in accordance with a request
 from Sally Duvall for Meridian Oil Incorporated
 determined the location of Hatch Point federal #22-33H
 to be 2595' FNL & 2070' FWL Section 33, Township 27South,
 Range 21 East of the Salt Lake Principal Meridian,
 San Juan County, Utah

I hereby certify that this plat is an
 accurate representation of a correct
 survey showing the location of



Date

4/29/91

[Signature]
 Licensed Land Surveyor No. 20693
 State of Colorado

Self-Certification of Operator

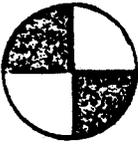
Be advised that Meridian Oil Inc. is considered to be the operator of Well No. 22-33H Hatch Point Federal, SENW, Sec. 33, T. 27 S., R. 21 E., Lease UT-67568, San Juan County, Utah, and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

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



POWERS ELEVATION

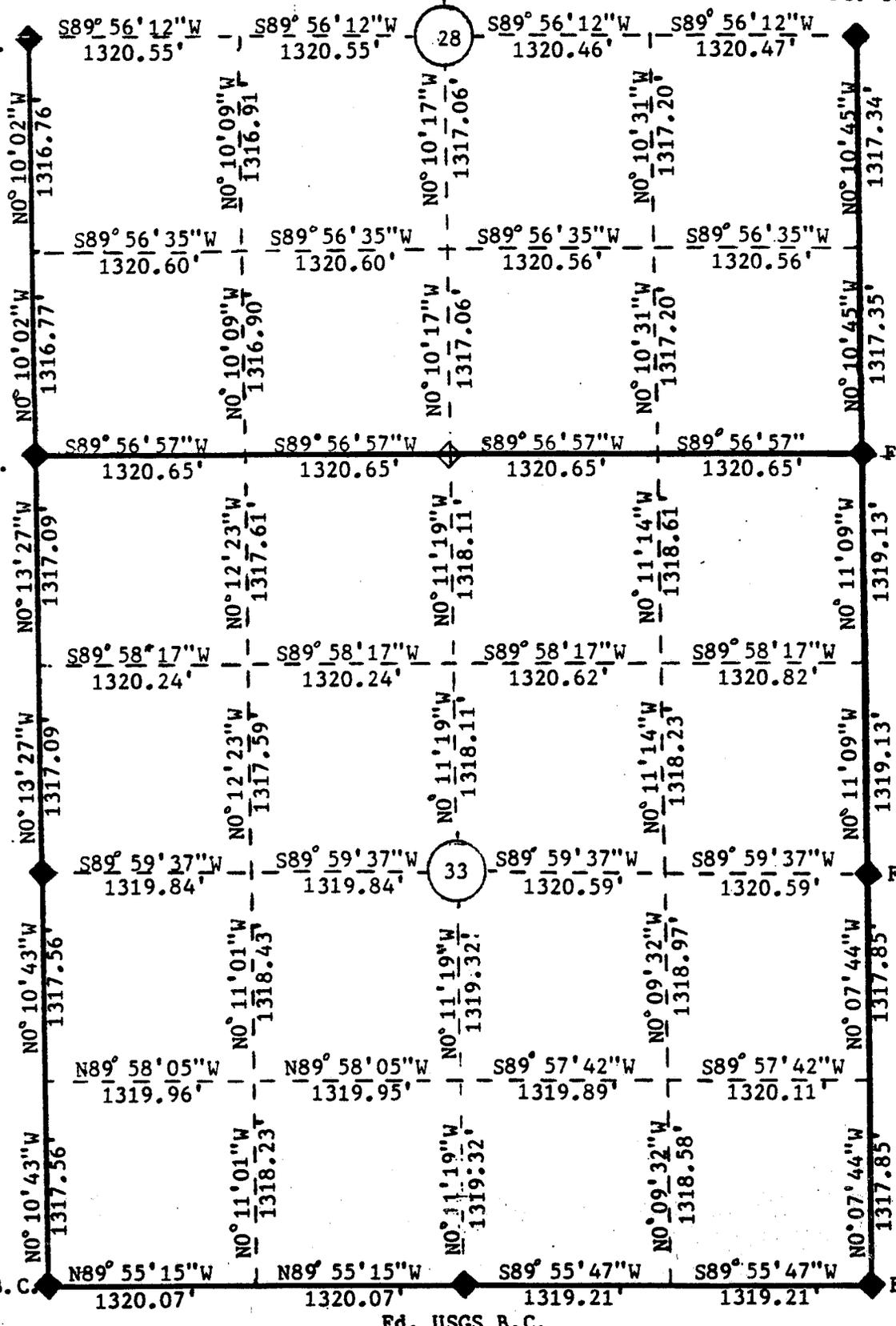


HORIZONTAL SECTION PLAT
Prepared for Meridian Oil Incorporated
South Half Section 28 & All Section 33,
T27S, R21E, of the Salt Lake Principal Meridian.

Well Location;
Hatch Point Federal #22-33H
2595'FNL & 2070'FWL
Sec.33, T27S, R21E, S.L.P.M.
San Juan Co. Utah

Fd. USGS B.C.

SCALE: 1"=1000'



All corners shown were located in the field on
April 24&25, 1991, distances to all other corners are
calculated. All bearings are based on the south line
of section 33 being West.



Date: 4/29/91

Roy A. Rush

Licensed Land Surveyor No. 20693
State of Colorado

Lease No. UTU-67568

Legal Description:

Township 27 South, Range 21 East, Salt Lake Meridian

Section 20: NE/4 NE/4, E/2 SE/4

Section 21: All

Section 22: SW/4, SE/4 SE/4

Section 27: N/2 NW/4

Section 28: NE/4 NE/4, S/2

Section 29: E/2 E/2

Section 33: N/2

containing 1880 acres, more or less

EIGHT POINT DRILLING PROGRAM

COMPANY: Meridian Oil, Inc.
 WELL NAME: 22-33H Hatch Point Federal
 LOCATION: SENW Section 33, T27S-R21E
 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	617'	(+5000)
Shinarump	987'	(+4630)
Moenkopi	1025'	(+4592)
Cutler	1678'	(+3939)
Hermosa	2769'	(+2848)
Top of Salt	4208'	(+1409)
Akah	4692'	(+ 825)
A Marker	5277'	(+ 340)
B Marker	5512'	(+ 105)
Cycle 19 Marker	6512'	(- 895)
C Marker	6810'	(-1193)
Cycle 21 Marker	6935'	(-1318)
Lower 21 Marker	7317'	(-1700)
Cane Creek A	7357'	(-1740)
Cane Creek B	7377'	(-1760)
Cane Creek C	7402'	(-1785)
Base of Cane Creek	7439'	(-1822)

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
Cane Creek	7357'	-1740'	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 700', a rotating head and blooey line will be rigged up on the 20" conductor. See Exhibit C-1.

B. For the drilling of the 12-1/4" hole from 700' to 4100' (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
- 13-5/8" 3M rotating head

C. For the drilling of the 8-3/4" hole from 4100' 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"	700'	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"	4700'	40 #/Ft	N-80	LT&C	NEW

Cement: Foam cement job with nitrogen used as an additive to lighten the hydrostatic pressure of the cement.

480 sx. of Foam Cement
210 sx. of Class "H"

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 - 120'	20#/Ft	N-80	LT&C	NEW
8-3/4"	5-1/2"	120' - 1100'	17#/Ft	N-80	LT&C	NEW
8-3/4"	5-1/2"	1100' - 3800'	17#/Ft	K-55	LT&C	NEW
8-3/4"	5-1/2"	3800' - 6800'	23#/Ft	P-110	LT&C	NEW
8-3/4"	5-1/2"	6800' - 7900'	23#/Ft	P-110	BT&C	NEW
8-3/4"	5-1/2"	7900' - 9700'	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
7800' to 4300'.

5. Proposed Mud Program

Description:

- 0' - 4700': Air/Air Mist
- 4700' - TD: Invert oil mud. Circulate in steel tanks.
Mud wt. 9.0 - 15.0 ppg, HTHP WL +/- 30, PV 20-25, YP
12-22, Vis 40-55.
- Mud weight will be maintained with barite. An adequate amount of mud will be kept on location to handle any and all problems.

6. Coring, Logging and Testing Program

A. Cores: An oriented core will be attempted in the Cane Creek "B" interval if hole conditions permit.

B. Drill Stem Tests: None planned.

C. Logs

DIL/SFL/SP/GR	4700' - 700'
BHC SONIC/GR/CAL	4700' - 700'

VSP (Vertical Seismic Profile)	6762' - TD
DIL/SFL/SP/GR	6762' - 4700'
BHC SONIC/GR/CAL	6762' - 4700'
CNL/LDT/GR/CAL	6762' - 4700'
MWD GR	6762' - TD

D. Directional Surveys: This well is proposed as a medium radius horizontal well. The well will be drilled vertically to a depth of +/- 6762' (KOP), and drilled in a direction of N 0.0 E (North 0 degrees East) for a total departure of 3100', with 2500' of lateral wellbore. A gyro survey will be ran from kickoff point to surface. Surveys will then be taken +/-30' during the build, and +/- 90' during the lateral section of the well.

E. Samples: Samples will be taken every 30' from surface to KOP (6762'), and every 10' from KOP to TD.

F. Mud Logger: Mud logger will be on location from 4000' (base of intermediate casing) to TD.

G. Completion Procedure: The Cane Creek 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: June 1, 1991

Drilling Days: 46

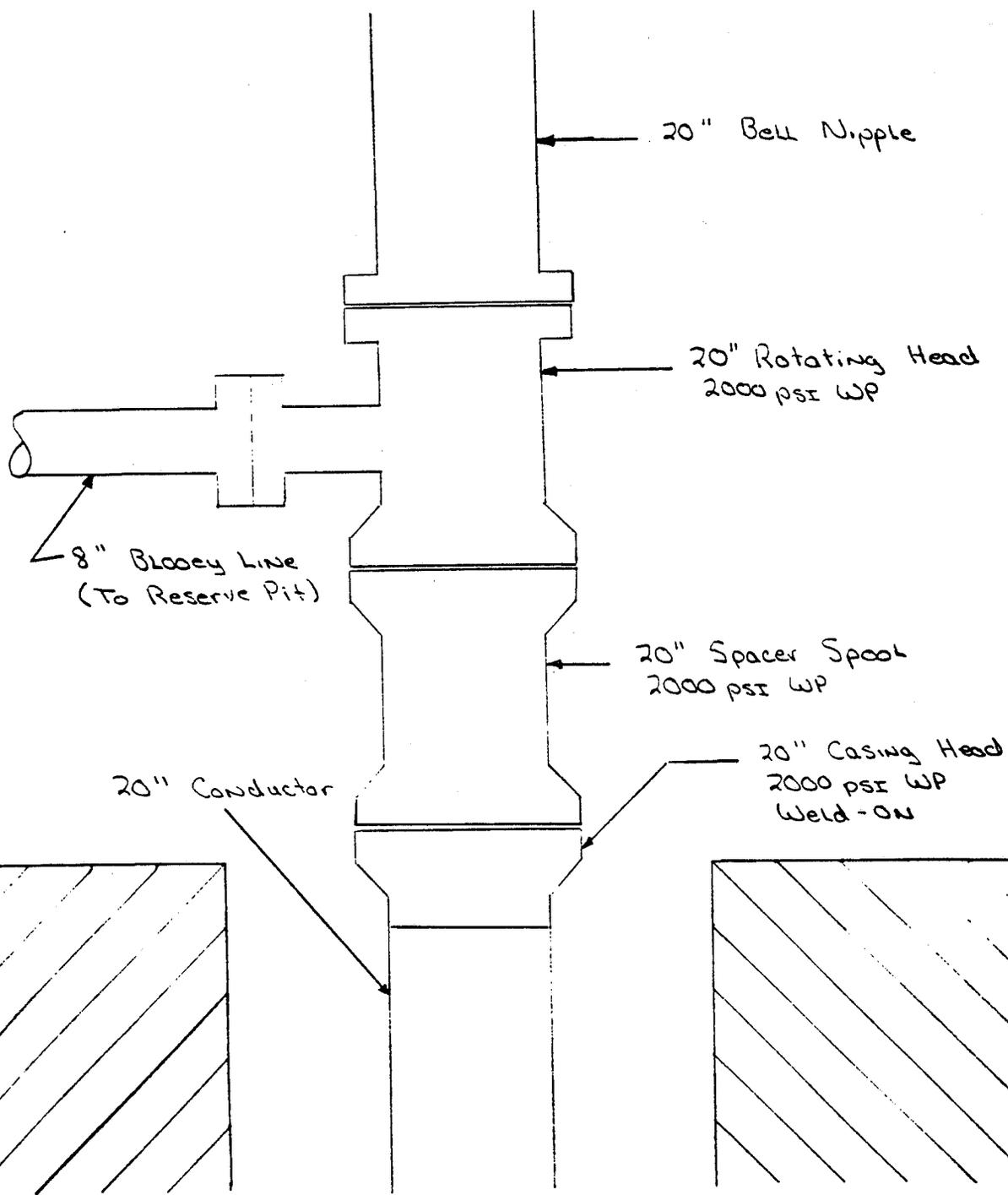
1 week to move drilling rig off and completion rig on.

14-21 days of initial completion work.

7-14 days to install production facilities.

Surface Diverter System

Exhibit "C-1"

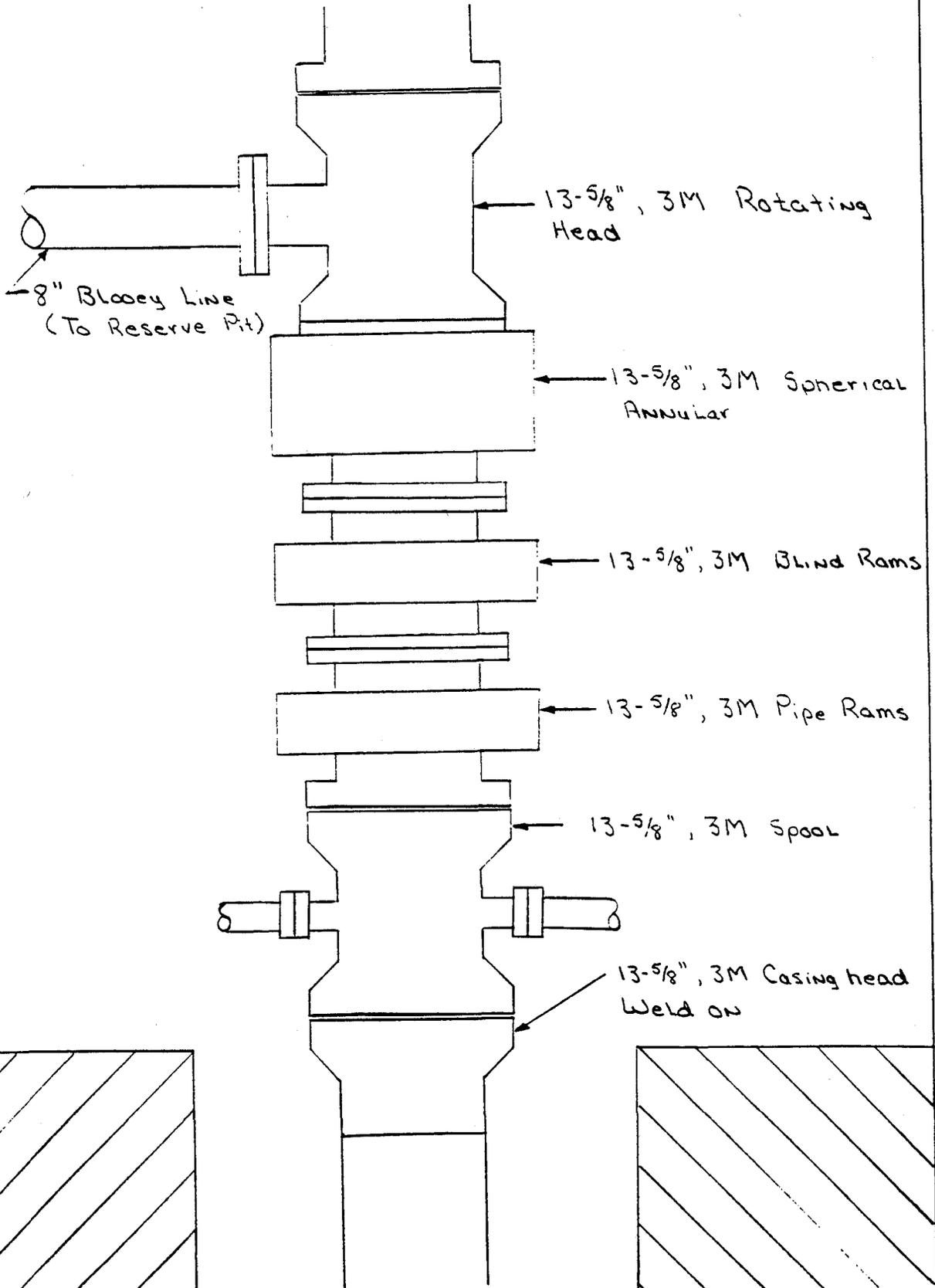


42.182 100 SHEETS
NOV. 10, 1964



Scale: NTS

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



42 182 100 SHEETS
NATIONAL

Scale: NTS

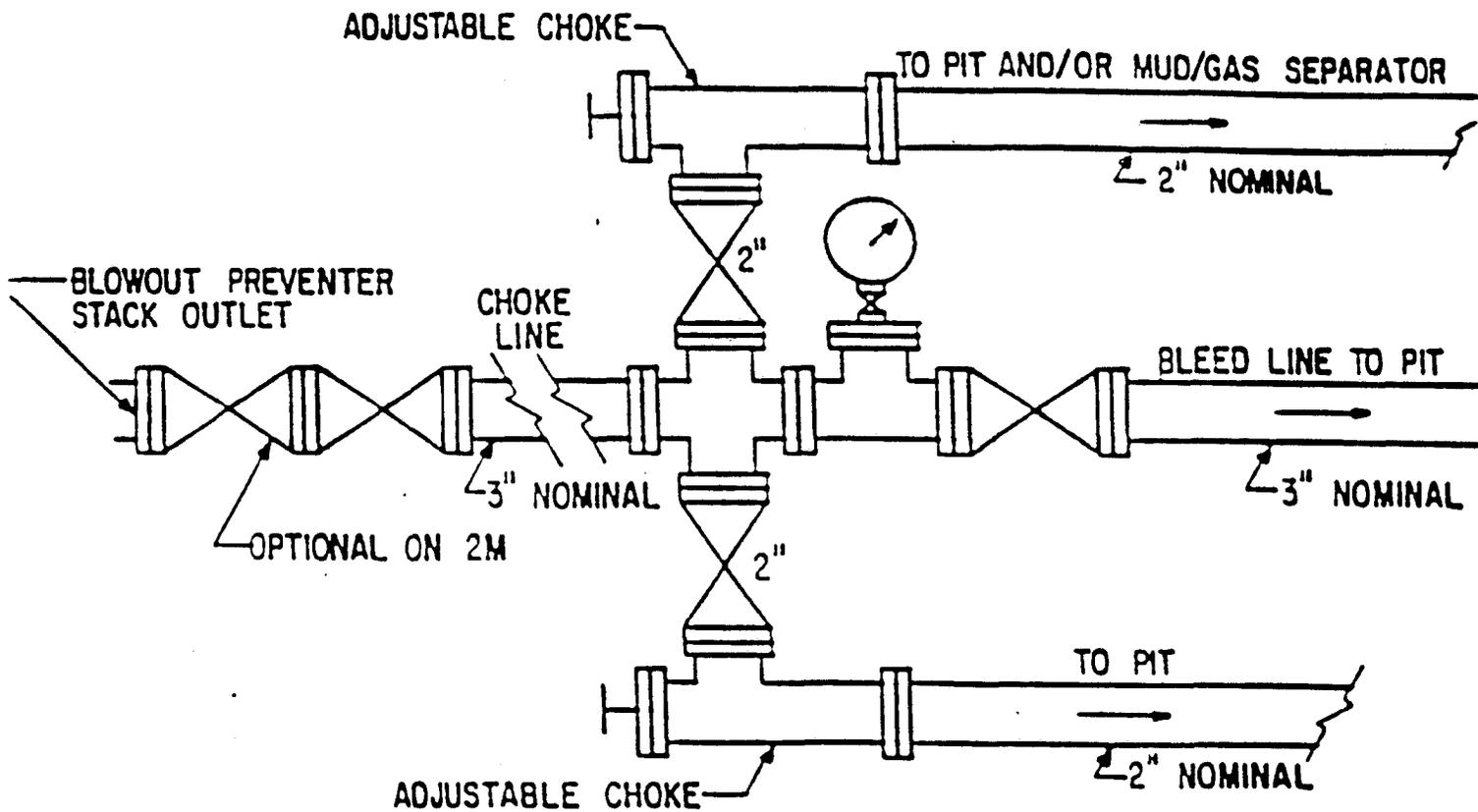
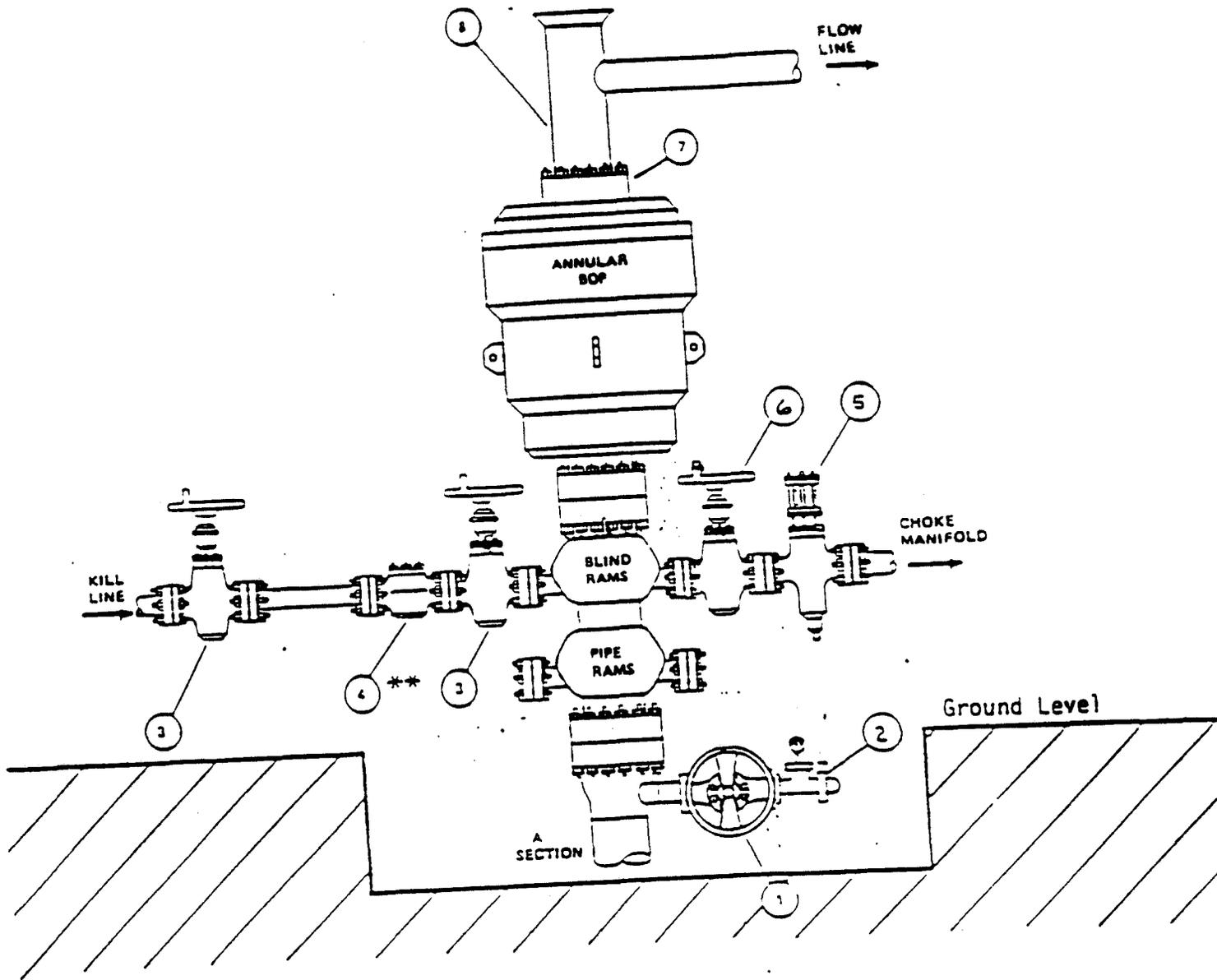


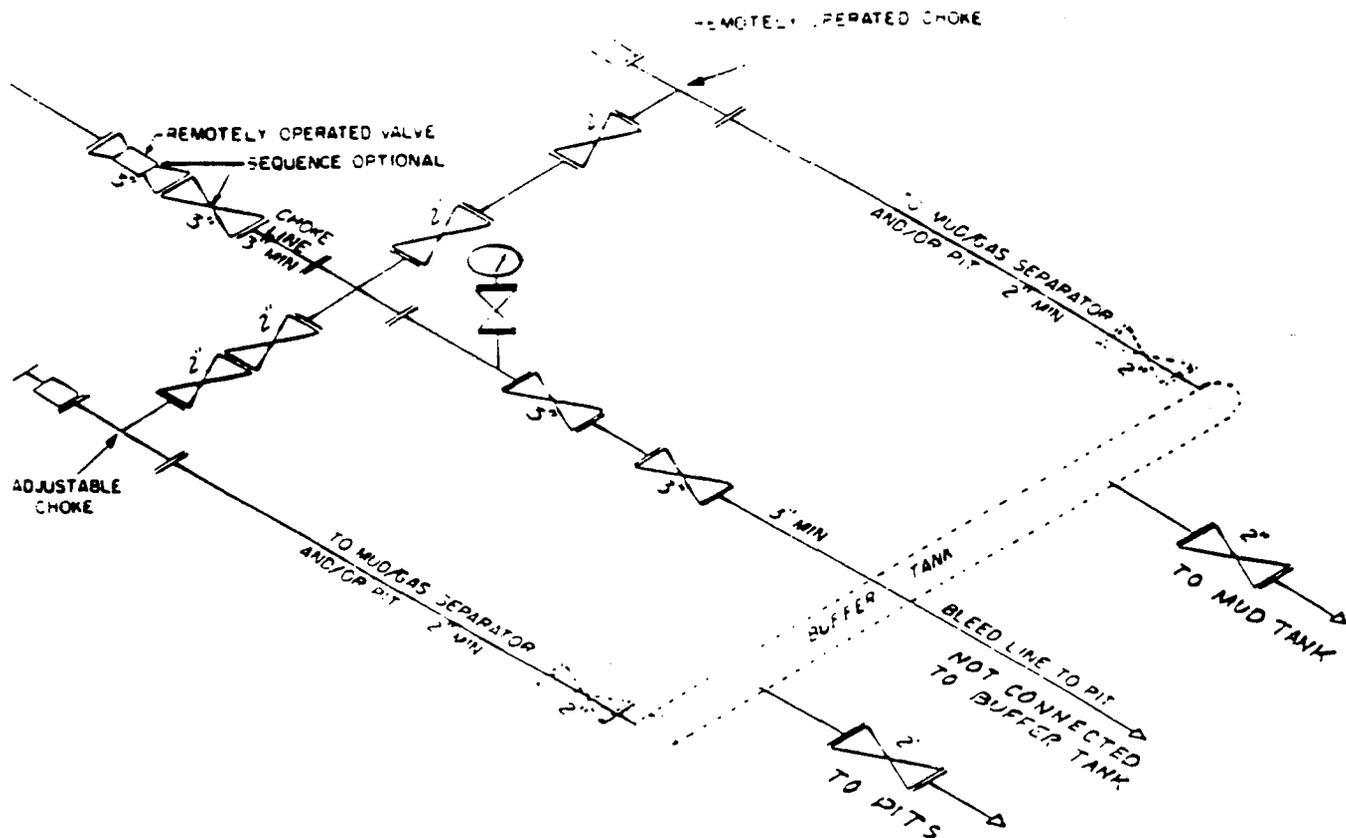
FIG. 3.A.1

**TYPICAL CHOKES 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 CHOKE 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

MERIDIAN OIL INC.

Exhibit "D"
Multi-Point Surface Use Plan

LEASE NO.: UT-67568
LEASE NAME: 22-33H Hatch Point Federal
LOCATION: SENW Section 33-T27S-R21E
San Juan County, Utah

1. Access Road - Existing (Yellow)

- A. From Monticello, Utah, proceed 30 miles north on Highway 163 to a road just south of LaSalle Junction; turn left, heading westerly on a two-lane paved road. Proceed 15.3 miles to the fork in the road; take the right fork onto an improved gravel road. Proceed 11.6 miles. The 22-33H Hatch Point Federal is located approximately 600 feet north of the road.
- B. Proposed route to location - Refer to Exhibit "E".
- C. Existing and new access roads - refer to Exhibit "E-1".

2. Planned Access Roads (Blue)

- A. A new access road approximately 600 feet long is required, as shown on Exhibit "E-1".
- B. Surfacing materials may be required for the new access road during drilling operations; if so, gravel will be bought from a commercial source in area. No surfacing material or scoria will be taken from Federal lands without a permit.
- C. Maximum grade is less than 8%.
- D. No turnouts will be required.
- E. No ditching or crowning will be required, if production is established.
- F. One culvert will be required off the main access road.
- G. A cattleguard may be required.
- H. The proposed road to the location is center flagged.

3. Location of Existing Wells

- 1. There are no water wells in the area.
- 2. There are two known dry holes located in the area.
- 3. There are no temporarily abandoned wells in the area.
- 4. There are no saltwater disposal wells in the area.
- 5. There are no drilling wells in the area.

6. There is one producing well in the area.
7. There are no shut in wells in the area.
8. There are no known injection wells in the area.
9. There are no monitoring or observation wells in the are.

4. Location of existing and/or Proposed Facilities

On Well Pad

- A. Production facilities and tanks will be located on the site facility. The location of the flowlines and facility site will be agreed to and staked with approval of the BLM. Dimensions of facilities are shown on attached Exhibit "F".
- B. Area to be used for production facilities will be on proposed location for drilling. Materials to be used for foundation will consist of soil materials from location and crushed rock transported in from commercial sources.
- C. Protective measures and devices to protect livestock and wildlife will include pit being fenced on four sides (three sides during drilling) by an impermeable berm/dike of sufficient capacity to adequately contain the contents of the largest vessel within the dike plus one (1) day's production. All load lines will terminate within the dike.

5. Location and Type of Water Supply

- A. Water will be furnished by Bill Hass Trucking and will be hauled by truck from an permitted water source yet to be determined.
- B. No pipeline will be required for this location.
- C. There will be no water well drilled for this operation.

6. Source of Construction Materials

- A. Any materials needed in addition to what can be used from location will be hauled in from authorized commercial sources.
- B. No surfacing material will be taken from Federal lands without a permit.
- C. No access roads will be built to obtain construction materials.

7. Methods for Handling Waste Disposal

- A. All cuttings will be put in reserve pit.

- B. All drilling fluids deposited during drilling will be put in reserve pit.
- C. Saltwater or testing tanks will be located and/or diked so that any spilled fluids will flow into reserve pit. Saltwater tanks will not be placed on topsoil stockpiles.
- D. Notice to Lessees #3A(NTL-3A) will be followed. Furthermore, all spills of saltwater, oil or other materials, fires, accidents, injuries, blowouts, or pipeline breaks outside the diked area shall be reported within 24 hours to the BLM.
- E. Sewage will be disposed of according to County and State requirements, in a portable chemical toilet or in a hole at least 15 feet deep excavated in the cut portion of the well pad.
- F. Garbage and other waste materials will be put in a portable dumpster and will be hauled by commercial vehicle to a county approved disposal site.
- G. After drilling rig has moved out of area, any scattered trash and litter will be put in the trash pit/cage. Non-burnable debris will be hauled to a local dump site. All potentially hazardous areas, including reserve pit, will be fenced, and will remain in this condition until entire area can be rehabilitated. Any oil on pit will be removed and flagged if necessary. Salt water and other fluids will be hauled off to nearest disposal well.
- H. Meridian Oil Inc. will be responsible for the prevention and suppression of fires on public lands which are caused by its employees, contractors, or subcontractors.
- I. Meridian Oil Inc. will comply with additional requirements which may be imposed if changes in operational and/or environmental conditions dictate.

8. Ancillary Facilities

There are no plans for any camps or airstrips for this drilling program.

9. Well Site Layout

- A. See survey plat attached - EXHIBIT "A".
- B. Rig Layout - See attached EXHIBIT "H".
- C. An artificial liner will be used in reserve pit, if required by the BLM. The liner will have a burst strength of not less than 140 psi. If reserve pit is excavated through sand, coal or scoria, liner will have a burst strength of not less than 200 psi, and any sand, coal or scoria will be covered with a 6 inch layer of clay before liner is installed. Reserve pit liner will require Bureau of Land Management approval. No trash will be disposed of in the reserve pit.

- D. Drainage will be diverted around the well location.
- E. The BLM shall be notified in the event the established construction starting date is changed. The BLM will determine if another prework conference is necessary. Meridian Oil will contact the BLM when construction activity is completed.

10. Surface Restoration Plan

Preliminary. During preparation of drillsite, topsoil from the location will be stockpiled. Topsoil from the pit area will be stockpiled clear of any subsequent subsoil which is used as pit banks. Reserve pit, which will have been fenced on 3 sides during drilling, will be fenced on the 4th side once rig moves off location.

In Event of a Dry Hole. When wastes have been disposed of as provided in the Operating Plan and any amendments thereto and the reserve and mud pits, if any, have been closed by pushing in the embanked subsoil, all cut and fill slopes will be reshaped to conform to the general topography of the immediate area and topsoil from the stockpiles will be spread over the entire area for reseeding. Upon abandonment, a steel plate welded to surface casing four feet below ground level will be installed with information as directed by 43 CFR 3162.6 (30 CFR 221.22). The plate/marker sealing the casing shall have a weep hole 1/8" - 1/4" to allow pressure to dissipate and facilitate detection of any fluid seepage.

Pit will be dried or pumped out and disposed of prior to final closing.

Access roads, if not designated to be left "as is" by the surface management agency, shall be obliterated by returning the land as near as practicable to its original contours and reseeding.

In Event of Production. Immediately upon completion of drilling, the location and surrounding area will be cleared of all debris resulting from the operation. All trash will be disposed of in the trash pit/cage. Non-burnable debris will be hauled to a local dump site.

Before any dirt work to restore the location takes place, the reserve pit must be completely dry and any trash (barrels, metal, etc.) it contains must be removed. The reserve pit and mud pits, if any, will be closed and restored as shown above. The location will be cleaned and areas not normally needed for producing operations will be dressed with the stockpiled topsoil in preparation for reseeding.

Access roads necessary to producing operations will be built as required with proper drainage, culverts, surfacing, and cattle guards or gates, per BLM specifications. Cuts and fills so occasioned will be prepared for reseeding.

Production facilities, cited in accordance with the approved operating plan, will be prepared for reseeding on the slopes of the embankment around the water pit, if any, and on any denuded areas outside the tank battery fire wall. A 4-wire fence will be placed around entire location.

All above-ground facilities will be painted as specified by the BLM within six months of the well completion unless prior written approval to proceed with another alternative has been granted via Sundry Notice.

All disturbed areas not needed for operations after construction of production facilities are completed, will be rehabilitated such as reshaping, grading, and seeding, and water diversions to prevent erosion.

Other Restoration Measures

If this well site is constructed and not drilled, the site and access road will be reclaimed or BLM-approved special erosion control measures implemented within 90 days of site construction unless otherwise approved in writing via Sundry Notice.

At such time as the well is abandoned, Meridian Oil shall contact the BLM for development of the final rehabilitation plan and for approval of the rehabilitation work. However, only the BLM can give approval of hole plugging.

If the location is temporarily abandoned, pit reclamation must be carried out in accordance with BLM prescribed methods. Recontouring of the location, spreading of topsoil, and seeding for final abandonment may be postponed for as long as the well is temporarily abandoned. However, measures must be taken to prevent erosion and other deterioration as a result of this postponement.

On the unused portions of producing location, after the slopes and ditches have been shaped and smoothed as required, the topsoil shall be evenly spread on exposed subsoil of these areas to be revegetated. All of abandoned locations and roads must be seeded. The unused or untraveled portions of producing locations and roads must be seeded.

The designated area will be reseeded if required by the BLM. Seed will be broadcast or drilled, as specified by the BLM, at a time to be specified by the BLM and with a specified seed prescription. When broadcast seeding, a harrow or some such implement will be dragged over the seeded area to assure seed cover.

After seeding is complete, any stockpiled trees will be scattered evenly over the disturbed areas and walked down with a dozer. The access will be blocked to present any use.

Waterbars will be used on all sloping surfaces as follows:

2%	200 ft. spacing
2 - 4%	100 ft. spacing
4 - 5%	75 ft. spacing
+5%	50 ft. spacing

Rig stacking will only be allowed via prior approval of the BLM

11. Surface Ownership

Bureau of Land Management
Grand Resource Area
889 S. Sand Creek Road
Moab, Utah 84532
(801) 295-8193

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 February 25, 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.
- (2) A prework conference is scheduled April 12, 1991 at 8:00 a.m. 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.
 - B. 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

1.	Johnny L. Wright Drilling Manager	Office: Home:	303/930-9368 303/646-0623
2.	Oscar L. Peters Drilling Engineer	Office: Home:	303/930-9375 303/693-1966
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

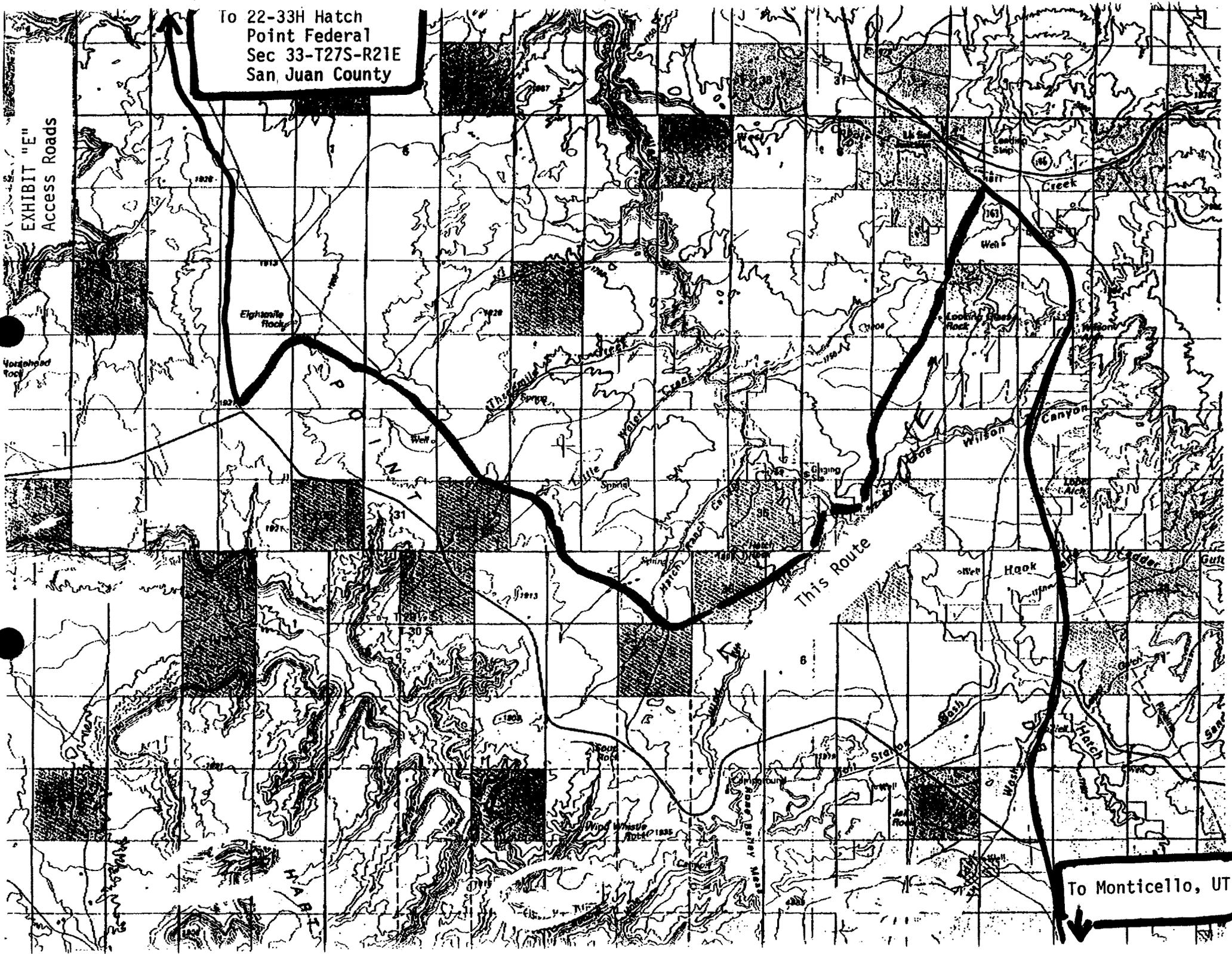
CERTIFICATION:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct, and, that the work associated with the operations proposed herein will be performed by MERIDIAN OIL INC. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Sally L. DuVall Date: 4-4-91
Sally L. DuVall
Regulatory Compliance Representative

To 22-33H Hatch
Point Federal
Sec 33-T27S-R21E
San Juan County

EXHIBIT "E"
Access Roads



This Route

To Monticello, UT

SAPPHIRE PROSPECT SAN JUAN COUNTY, UTAH

EXHIBIT "E-1"
Detail-Access Roads

R 21 E

#5-28

LION MESA
FIELD 27

#1A-27

MOL
#22-33H
2395' FWL
1850' FWL

PROPOSED
LOCATION

#2-34

28

S

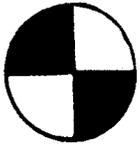
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SCALE: 1" = 2000'

5792T CATCHMENT

Campground

TRONCH... WATER BASIN UTAH...



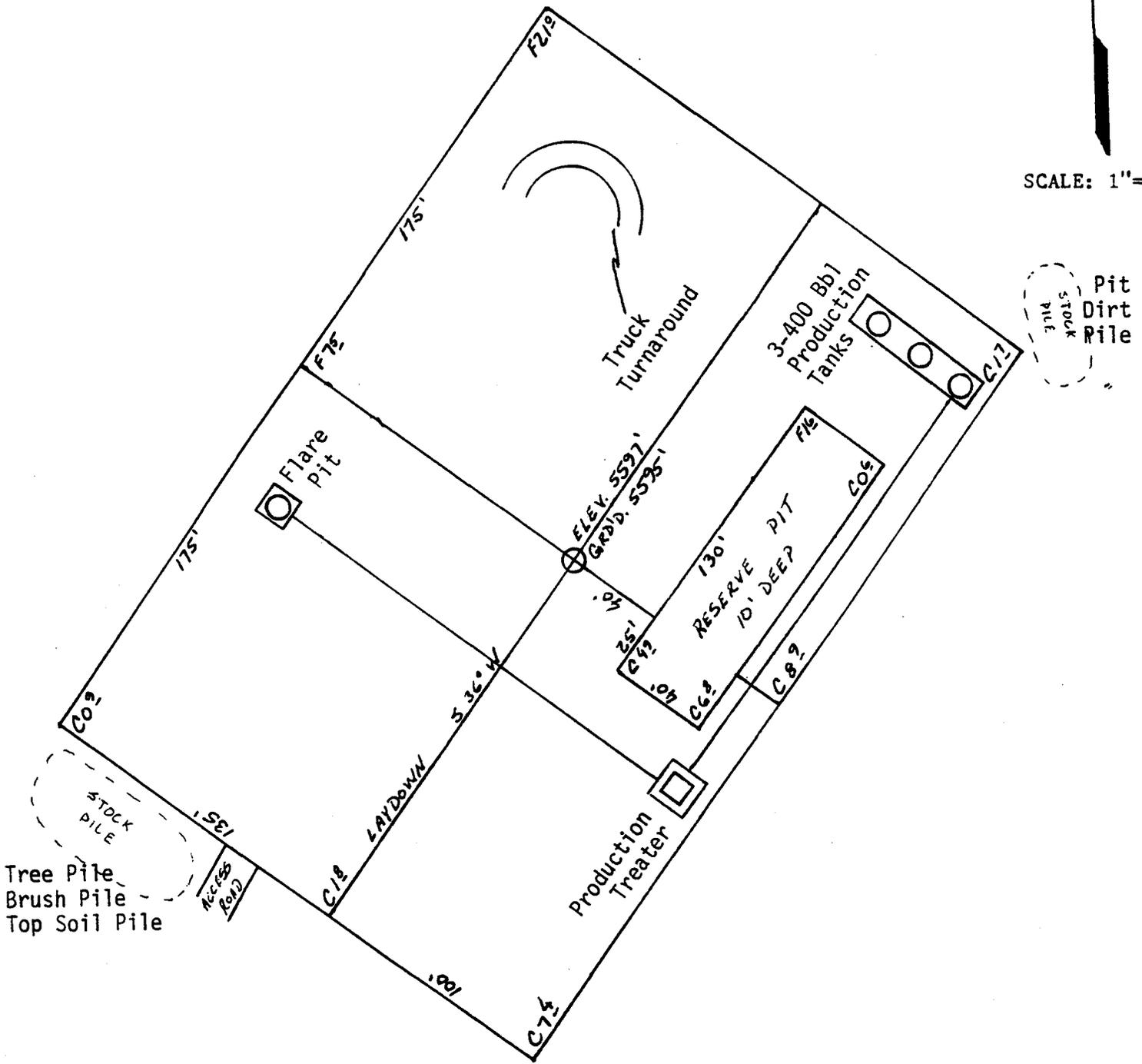
POWERS ELEVATION

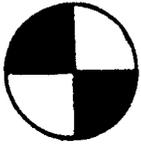
Meridian Oil Incorporated
Hatch Point Federal #22-33H
2595' FNL & 2070' FWL
Sec. 33, T27S, R21E,
San Juan Co. Utah

Revised Exhibit "F"
Production Layout



SCALE: 1"=60'

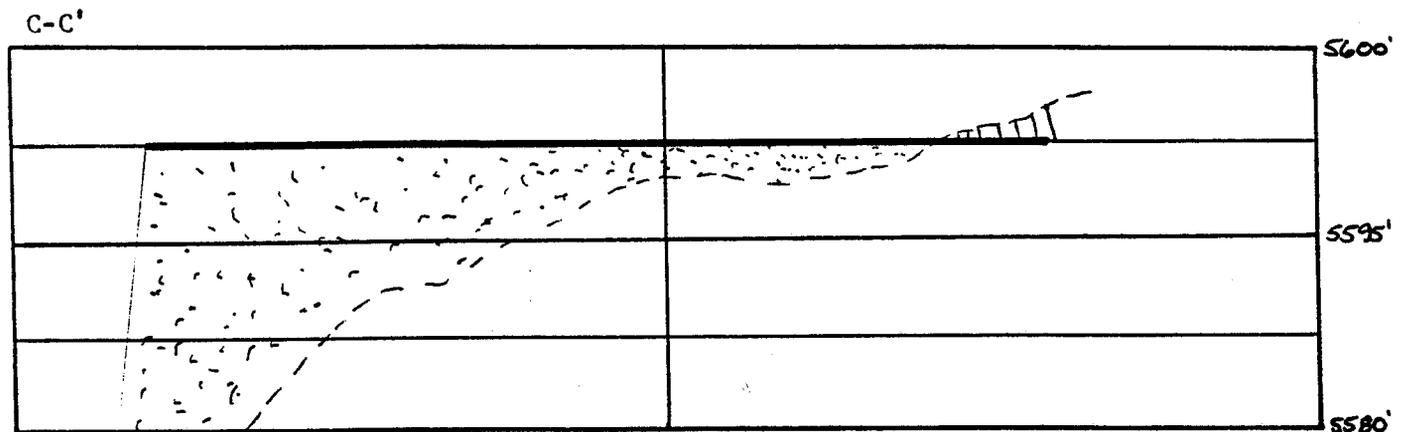
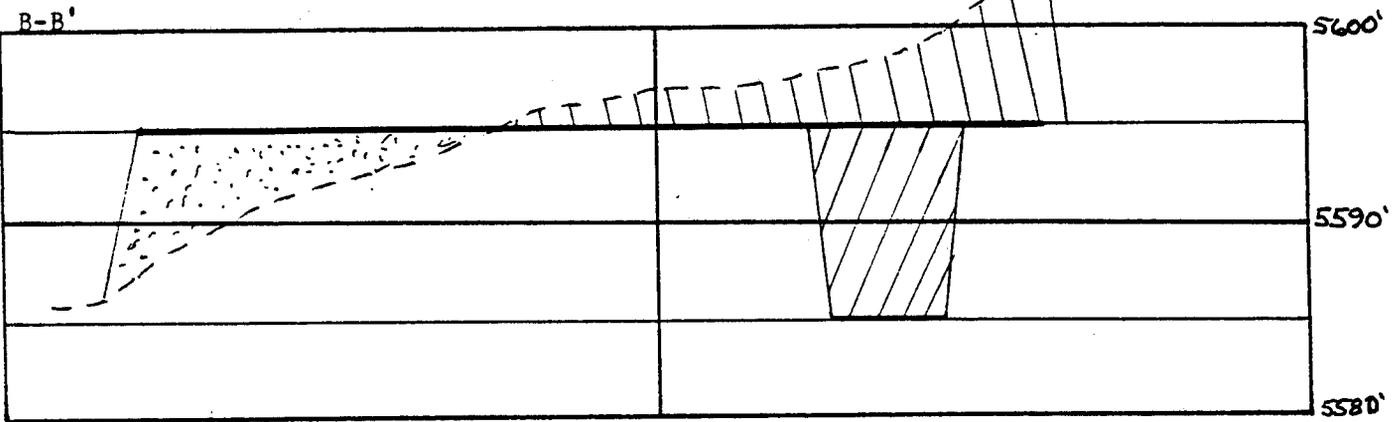
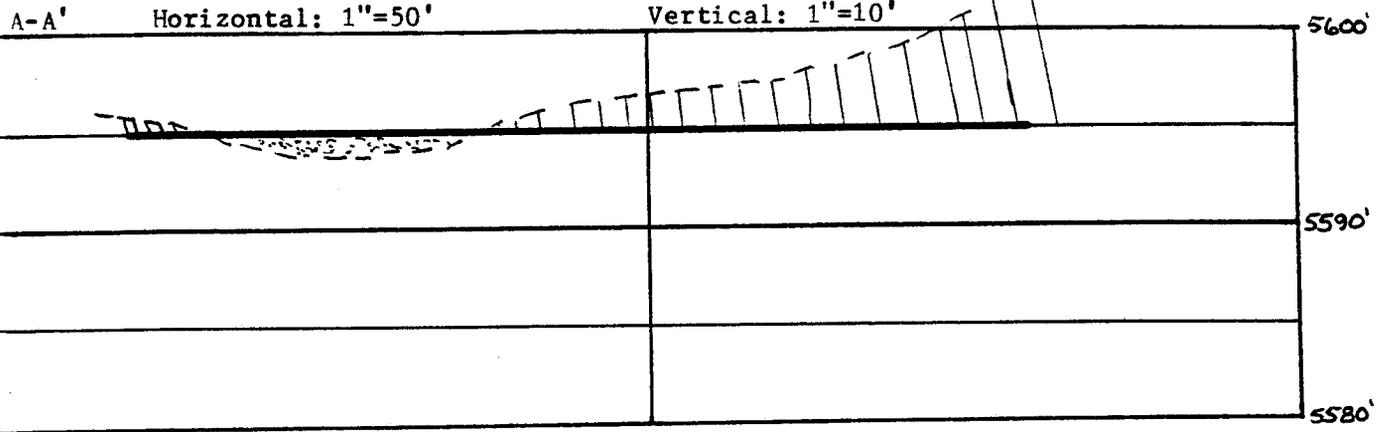




POWERS ELEVATION

Meridian Oil Incorporated
Hatch Point Federal #22-33H
2595' FNL & 2070' FWL
Sec. 33, T27S, R21E,
San Juan Co. Utah

Revised Exhibit "G"
Cut Fill/X-Section Diagram



CONFIDENTIAL

OPERATOR Murdian Oil Inc N-7030 DATE 5-9-91

WELL NAME Hatch Point Federal 00-33H

SEC SE1/4 33 T 07S R 01E COUNTY San Juan

43-037-31630
API NUMBER

Federal (1)
TYPE OF LEASE

CHECK OFF:

PLAT.

BOND

NEAREST WELL

LEASE

FIELD SLBM

POTASH OR OIL SHALE

PROCESSING COMMENTS:

No other well producing in Sec 33.
Water Permit Received 7-19-91 05-0366 (TW5501)
Potash area
Exception Location

APPROVAL LETTER:

SPACING:

R615-2-3

N/A
UNIT

RS15-3-2

N/A
CAUSE NO. & DATE

R615-3-3

STIPULATIONS:

water permit needed
1- Potash

CONFIDENTIAL
PERIOD
EXPIRED
ON 11-3-92



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangertter
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

July 5, 1991

Meridian Oil, Inc.
5613 DTC Parkway
Englewood, Colorado 80111

Gentlemen:

Re: Hatch Point Federal 22-33H Well, 2595 feet from the North line, 2070 feet from the West line, SE NW, Section 33, Township 27 South, Range 21 East, San Juan County, Utah

Approval to drill the referenced well is hereby granted in accordance with Utah Admin. R.615-3-3, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Utah Code Ann. Section 73-3, Appropriation.
2. Special attention is directed to compliance with Utah Admin. R.615-3-3I, which prescribes drilling procedures for designated potash areas.

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

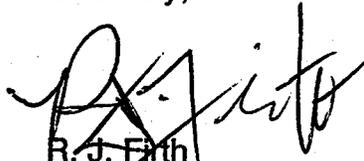
1. Spudding notification within 24 hours after drilling operations commence.
2. Submittal of Entity Action Form 6, within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.
3. Submittal of the Report of Water Encountered During Drilling, Form 7.
4. Prompt notification in the event it is necessary to plug and abandon the well. Notify R. J. Firth, Associate Director, (Office) (801) 538-5340, (Home) 571-6068, or J. L. Thompson, Lead Inspector, (Home) 298-9318.

Page 2
Meridian Oil, Inc.
Hatch Point Federal 22-33H
July 5, 1991

5. Compliance with the requirements of Utah Admin. R.615-3-20, Gas Flaring or Venting.
6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must 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 Division of Environmental Health, Bureau of Drinking Water/Sanitation, telephone (801) 538-6159.
7. 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 43-037-31630.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

tas
Enclosures
cc: Bureau of Land Management
J. L. Thompson
we14/1-35

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

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

REVISED
Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

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: 2595'FNL and 2070'FWL
 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 drlg. unit line, if any) 570'

16. NO. OF ACRES IN LEASE 1880

17. NO. OF ACRES ASSIGNED TO THIS WELL 320

18. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. ± 5000'

19. PROPOSED DEPTH 9700'MD

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5597'GL

22. APPROX. DATE WORK WILL START* 6-1-91

RECEIVED
JUL 03 1991
DIVISION OF OIL GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.
 UT-67568

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

7. UNIT AGREEMENT NAME
 N/A

8. FARM OR LEASE NAME
 Hatch Point Federal

9. WELL NO.
 22-33H

10. FIELD AND POOL, OR WILDCAT
 Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 33-T27S-R21E

12. COUNTY OR PARISH 13. STATE
 San Juan Utah

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#	700'	650 sx "G" + Additives
12-1/4"	9-5/8"	40#	4700'	480 sx foam; 210 sx Ct.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED James L. Duvall TITLE Regulatory Compliance Representative DATE 5-6-91

(This space for Federal or State office use)

PERMIT NO. 43-037-31630 APPROVAL DATE JUL 1 1991
 /S/ WILLIAM C. STRINGER Assistant District Manager
 APPROVED BY _____ TITLE for Minerals DATE _____

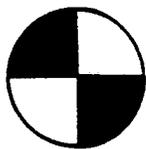
FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A Dated 1/1/80

**CONDITIONS OF APPROVAL ATTACHED
SUBJECT TO RIGHT OF WAY APPROVAL**

*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.

bcam



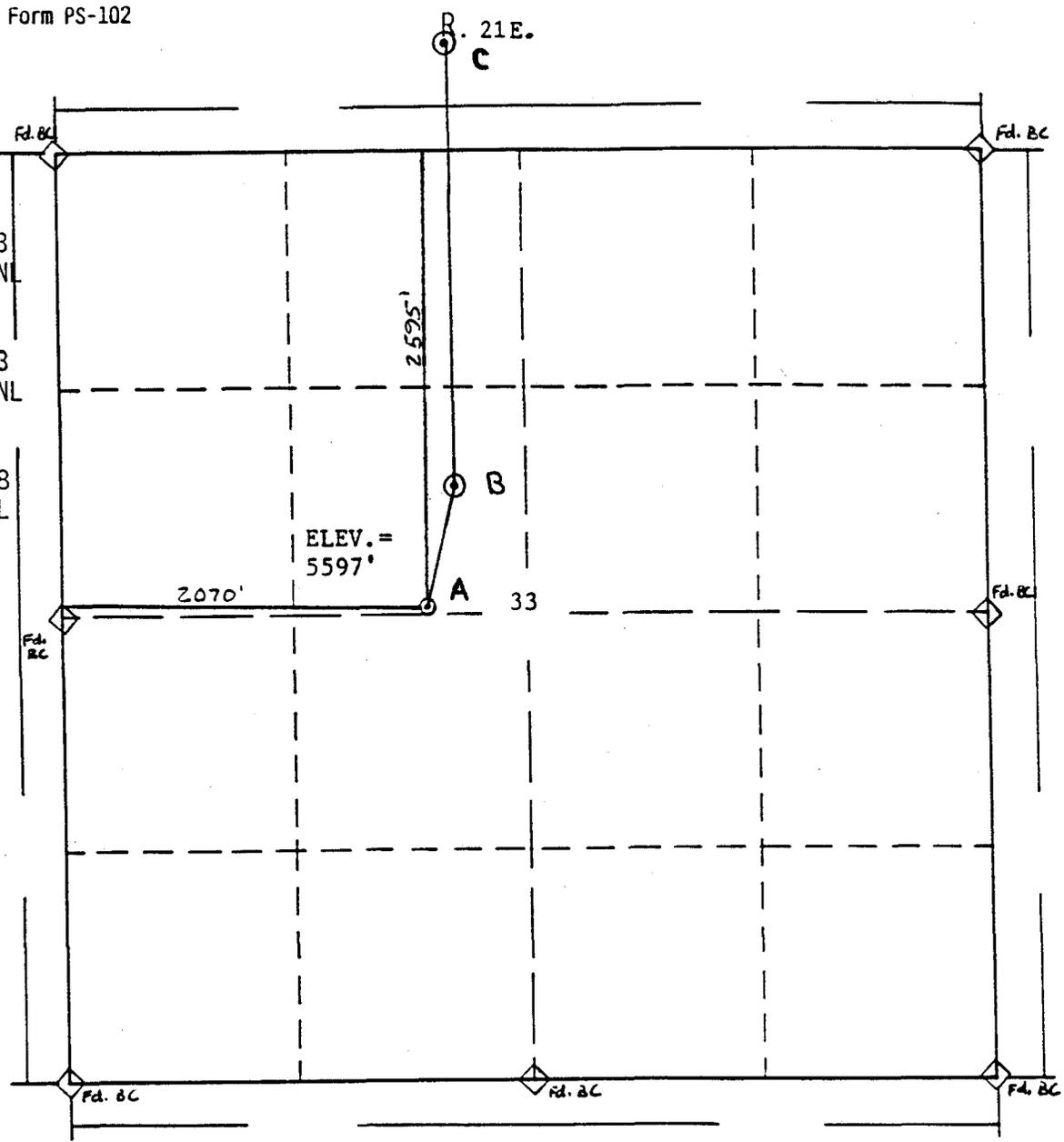
Form PS-102



Pt. A
T27S-R21E Sec.33
2070' FWL-2595' FNL

Pt. B
T27S-R21E Sec.33
2250' FWL-1900' FNL

Pt. C
T27S-R21E Sec.28
2250' FWL-600' FSL



ELEV. =
5597'

Scale: 1"=1000'

Powers Elevation of Denver, Colorado has in accordance with a request from Sally Duvall for Meridian Oil Incorporated determined the location of Hatch Point federal #22-33H to be 2595' FNL & 2070' FWL Section 33, Township 27South, Range 21 East of the Salt Lake Principal Meridian, San Juan County, Utah

I hereby certify that this plat is an accurate representation of a correct survey showing the location of

[Handwritten Signature]

Licensed Land Surveyor No. 20693
State of Colorado



Date 4/29/91

Meridian Oil Inc.
Well No. 22-33H
SEW Sec. 33, T. 27 S., R. 21 E.
San Juan County, Utah
Lease U-67568

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 MT 0719 (Principal - Burlington Resources, Inc.; Meridian Oil Inc. - Subsidiary) 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.

A. DRILLING PROGRAM

All lease operations will be conducted in full compliance with applicable regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1 and Onshore Oil and Gas Order No. 2 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 the field representative to insure compliance.

Surface casing shall have centralizer on each of the bottom three joints.

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

Intermediate casing will be set 50 ft into the second clastic zone (base of the Ismay Equivalent) within the Paradox Formation regardless of the depth this zone is encountered.

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

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.

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

No trivalent or hexavalent chromate additives shall be used in the mud system in order to protect usable quality aquifers.

To determine cement top and bond quality, cement bond log (CBL) or cement evaluation tool (CET) shall run after the 5 1/2" production casing is run and cemented in place.

As proposed under item 6(d) within the drilling plan, the horizontal portion of the well is to be drilled from a KOP at +-6752 in a direction of N 0.0 E. However, after reviewing the surveyors plat it appears that the hole is to be drilled in a Northeasterly direction to a position identified as point "B" and it is then doglegged due North to a position identified as point "C". Therefore, the portion of the hole from position "A" (KOP) to position "B" (+-N 14 degrees E) and the portion of the hole from position "B" to position "C" (N 0.0 degrees E) shall not deviate +-10 degrees from the two aforementioned azimuths without prior approval from the authorized officer.

BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. 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. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

Company: Meridian Oil Inc.
Well: 22-33H
Section: 33, T. 27 S., R. 21 E.

CONDITIONS OF APPROVAL

1. The BLM Canyon Rims Road receives a high level of recreational use by vehicle and some mountain bike visitors. Therefore, the operator/contractor and their respective employees will observe a maximum speed of 30 miles/hour in order to provide for public safety. Warning signs will be placed approaching blind corners and other areas of limited visibility. These measures will be required during all phases of activity.
2. No camping or garbage disposal will be allowed at the BLM campgrounds for persons or activities associated with the construction, drilling and reclamation of the Meridian well. The operator/contractor will provide these services on the well location.

CONSTRUCTION:

1. The operator/contractor will contact the Grand Resource Area Office in Moab, Utah (phone 801-259-8193) 48 hours prior to beginning any work on public land.
2. The dirt contractor will be furnished an approved copy of the surface use plan and BLM stipulations prior to any work.
3. Surface disturbance and vehicular travel will be limited to the approved location and approved access route. Any additional area needed will require BLM approval in advance of use.
4. Neither construction material nor equipment will be stored on the access road or location without prior BLM approval.
5. Access (ingress and egress) will be controlled by appropriate signs as needed along the road.
6. The access road and well pad will be sprinkled with water as needed to control dust.

DRILLING

1. The preferred drilling medium for the first 4700 feet is gel-lined mud or foam. However, if technically unfeasible, air drilling will be permitted with prior BLM approval.

2. In order to reduce fugitive dust, the operator/contractor will be required to periodically water down the access road and drill pad.

POST-DRILLING

1. Immediately upon completion of drilling, the location and surrounding area will be cleared of all debris resulting from the operation. All trash will be disposed of in the trash pit/cage. Non-burnable debris will be hauled to a local dump site.
2. The operator/contractor will contact the Grand Resource Area BLM office in Moab, Utah (801-259-8193) 48 hours prior to starting rehabilitation work that involves earthmoving equipment and completion of restoration measures.
3. Before any dirt work to restore the location takes place, the reserve pit, liner and contents will be removed from the location to an approved disposal site.
4. All disturbed areas will be recontoured to blend as nearly as possible with the surrounding area.
5. The stockpiled topsoil will be evenly distributed over the disturbed area.
6. All disturbed areas will be scarified with the contour to depth of 4 inches. Do not smooth pads out, leave a roughened surface.
7. Seed will be drilled at a time to be specified by the BLM with the seed mixture specified by the BLM.
8. The access between the BLM Canyon Rims Road and the well location will be blocked to prevent access to vehicles or other uses.
9. The re-seeded location will be fenced for two years to allow for successful rehabilitation.

B. SURFACE USE PLAN

1. All site security guidelines identified in 43 CFR 3162.7-5 and ONSHORE OIL AND GAS ORDER NO. 3; SITE SECURITY will be adhered to.

2. Gas measurement will be conducted in accordance with the ONSHORE ORDER NO. 5; GAS MEASUREMENT AND 43 CFR 3162.7-3.

3. Oil measurement will be conducted in accordance with ONSHORE OIL AND GAS ORDER NO. 4; OIL MEASUREMENT as of the effective date of August 23, 1989 and 43 CFR 3162.7-2.

4. All loading lines and valves will be placed inside the berm surrounding the tank battery. If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 1-1/2 times the storage capacity of the largest tank in the battery.

5. All permanent (on-site for six (60) months or longer) structures constructed or installed (including oil well pump jacks) shall be painted a flat, nonreflective, earth ton color to match the standard environmental colors, as determined by the Rocky Mountain Five-State Interagency Committee. All facilities shall be painted within (6) six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded. Colors shall be coordinated with the Grand Resource Area office prior to initiating painting.

6. As stated under the Well Site Layout in item No. 9, an artificial liner will be used in the reserve pit, if required by the BLM. The reserve pit liner identified under item No. 9 shall be in place during all drilling operations.

7. As stated under the eight point drilling program in item No. 5, an oil base mud (diesel) will be utilized to drill the hole from 4700-9700'. 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.

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.

8. If well is a producer, cattle guards will be installed at fence crossing on access road.

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

The access road will be rehabilitated or brought to Resource (Class III) Road Standards within sixty (60) days of dismantling of 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.

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

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

11. 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. 3 (NTL-2B).

12. There will be no deviation from the proposed drilling and/or workover program without prior approval from the Assistant 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 3162.6.

13. "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.

14. The dirt contractor will be provided with an approved copy of the surface use plan of operations.

15. 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.

16. 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.

17. 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.

18. A cultural resource clearance will be required before any construction begins. If any cultural resources are found during construction, all work will stop and the Area Manager will be notified.

19. 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.

20. 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 (AO).

C. ANTICIPATED STARTING DATES AND NOTIFICATIONS OF OPERATIONS

Required verbal notifications are summarized in Table 1, attached. 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.

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

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 will be sent by telegram or other written communication, 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.

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.

A "Subsequent Report of Abandonment" (Form 3160-5) 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. Final abandonment will not be approved until the surface reclamations 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.

Approval to vent/flare gas during initial well evaluation will be obtained from the District Office. This preliminary approval will not exceed 30 days or 50 MMCF gas. Approval to vent/flare beyond this initial test period will require District Office approval pursuant to guidelines in NTL-4A.

Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6.

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".

NOTIFICATIONS

Notify Elmer Duncan of the Grand Resource Area, at
(801) 259-8193 for the following:

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

1 day prior to spudding;

50 feet prior to reaching surface casing depth;

3 hours prior to testing BOP's and surface casing.

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 Minerals at (801) 259-6111 for the following:

No well abandonment operations will be commenced without the prior approval of the Assistant District Manager, Minerals Division. In the case of newly drilled dry holes, and 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) 259-6239
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 hours please call the following:

Lynn Jackson, Chief, Branch of Fluid Minerals	Office Phone: (801) 259-6111
	Home Phone: (801) 259-7990

24 HOURS ADVANCE NOTICE IS REQUIRED FOR ALL ABANDONMENTS

DIVISION OF OIL, GAS AND MINING

SPODDING INFORMATION

API NO. 43-037-31630

NAME OF COMPANY: MERIDIAN OIL, INC.

WELL NAME: HATCH POINT 22-33H

SECTION SENW 33 TOWNSHIP 27S RANGE 21E COUNTY SAN JUAN

DRILLING CONTRACTOR _____

RIG # _____

SPOUDED: DATE 7-7-91

TIME 8:00 a.m.

HOW DRY

CONFIDENTIAL

DRILLING WILL COMMENCE _____

REPORTED BY GLENN GOODWIN

TELEPHONE # _____

DATE 7-10-91 SIGNED TAS

MERIDIAN OIL

RECEIVED

July 17, 1991

JUL 19 1991

**DIVISION OF
OIL GAS & MINING**

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

RE: 22-33H Hatch Point Federal
SENW Sec. 33-T27S-R21E
San Juan County, UT

Gentlemen:

Pursuant to Stipulations required in the subject approved Application to Drill, enclosed please find a copy of approved Temporary Application Number 05-2366 (T-65501) for diversion and use of water for drilling the subject well.

It is anticipated that this well will be spudded on or about July 20.

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

Very truly yours,



Sally L. DuVall
Regulatory Compliance Representative

Enc.

SLD/st/192



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WATER RIGHTS

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

1636 West North Temple, Suite 220
Salt Lake City, Utah 84116-3156
801-538-7240

JUL 12 91

July 10, 1991

Meridian Oil Inc.
5613 DTC Parkway
Englewood, CO 80111

Dear Applicant:

RE: TEMPORARY APPLICATION
NUMBER 05-2366 (T65501)

Enclosed is a copy of approved Temporary Application Number 05-2366 (T65501). This is your authority to construct your works and to divert the water for the uses described.

While this approved application does give you our permission to divert and use water, it does not grant easements through public or private lands in order to gain access to the source nor to convey the water to the place of use, nor does this approval eliminate the need for such other permits as may be required by this Division or any other agency in implementing your diversion.

This application will expire July 10, 1992, and it is expected that no diversion or use of the water will be done after that date unless another proposal has been made and approved.

Your contact with this office, should you need it, is with the Area Engineer, Mark Page. The telephone number is (801)637-1303.

Sincerely,

Robert L. Morgan for

Robert L. Morgan, P.E.
State Engineer

RLM:jb

Encl.: Copy of Approved Temporary Application

RECEIVED

JUL 19 1991

DIVISION OF
OIL GAS & MINING

TEMPORARY

FILING FOR WATER IN THE STATE OF UTAH

RECEIVED

Rec. by JD

Fee Rec. 30.00

Receipt # 31168

JUL 03 1991

Microfilmed

APPLICATION TO APPROPRIATE WATER RIGHTS PRICE

Roll #

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements to Title 73, Chapter 3 of the Utah Code Annotated (1953, as amended).

*WATER RIGHT NO. 05 - 2366

*APPLICATION NO. A T65501

1. *PRIORITY OF RIGHT: July 1, 1991 *FILING DATE: July 1, 1991

2. OWNER INFORMATION

Name(s): MERIDIAN OIL, INC. *Interest: %

Address: 5613 DTG PARKWAY

City: Englewood State: CO Zip Code: 80111

Is the land owned by the applicant? Yes No X (If "No", please explain in EXPLANATORY section.)

3. QUANTITY OF WATER: cfs and/or 10 ac-ft.

4. SOURCE: Spring - Hatch wash *DRAINAGE:

which is tributary to which is tributary to

POINT(S) OF DIVERSION: COUNTY:

51080 E300 from the NW corner sect 31, Township 29 S, Range 23 E, Salt Lake Basin, MERIDIAN

Description of Diverting Works: portable pump to tank truck

*COMMON DESCRIPTION: 5 miles SW of LaSal Junction Hatch Rock Quad

5. POINT(S) OF REDIVERSION

The water will be rediverted from N/A at a point:

Description of Diverting Works:

6. POINT(S) OF RETURN

The amount of water consumed will be cfs or 10 ac-ft.

The amount of water returned will be cfs or ac-ft.

The water will be returned to the natural stream/source at a point(s):

7. STORAGE

Reservoir Name: N/A Storage Period: from to

Capacity: ac-ft. Inundated Area: acres.

Height of dam: feet

Legal description of inundated area by 40 acre tract(s):

RECEIVED

JUL 19 1991

* These items are to be completed by the Division of Water Rights

DIVISION OF

Appropriate

STATE ENGINEER'S ENDORSEMENT

WATER RIGHT NUMBER: 05 - 2366

APPLICATION NO. T65501

1. July 1, 1991 Application received by MP.
 2. July 1, 1991 Application designated for APPROVAL by MP and KLJ.
 3. Comments:
-
-

Conditions:

This application is hereby APPROVED, dated July 10, 1991, subject to prior rights and this application will expire on July 10, 1992.

Kent J. Jones for

Robert L. Morgan, P.E.
State Engineer

RECEIVED

JUL 19 1991

DIVISION OF
OIL GAS & MINING

CONFIDENTIAL

Form 3100-5
December 1990

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No 1000-1135
Expires September 30, 1990

SUNDRY NOTICES AND REPORTS ON WELLS

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

5 Lease Designation and Serial No

UT-67568

6 If Indian, Allottee or Tribe Name

N/A

7 If Unit or CA, Agreement Designation

N/A

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

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

2595'FNL and 2070'FWL

See attached Plat

Sec. 33, T. 27S, R. 21E

8. Well Name and No.

22-33H Hatch Point Federa

9 API Well No.

43-037-31630

10 Field and Pool, or Exploratory Area

Wildcat

11. County or Parish, State

San Juan, UT

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

TYPE OF SUBMISSION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

TYPE OF ACTION

- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other
- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-Off
- Conversion to Injection

Note: Report results of multiple completion 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.)

During the drilling of the surface and intermediate hole to 4700', an air or air-mist system will be used.

Airborne dust will be reduced and/or eliminated by the use of a de-duster attached to the blowie line while utilizing the air-mist drilling process.

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

RECEIVED

JUL 22 1991

DATE: 7-26-91
BY: JAY Matthews

DIVISION OF
OIL GAS & MINING

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

Signed

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title

Regulatory
Compliance Representative

Date 7-19-91

Date

RECEIVED

JUL 30 1991

July 22, 1991

WATER RIGHTS
PRICE

RATTLESNAKE RANCH hereby authorizes RDB Trucking, Inc. to haul water for MERIDIAN Oil Inc. project at Location FEDERAL 22-23H, Section 33T 27S-R21E.

Permit # 838 05 570

A handwritten signature in cursive script, appearing to read "Jim Blawie".

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	99999	11250	43-037-31630	22-33H Hatch Point Federal	SENW	33	27S	21E	San Juan	7-21-91	7-21-91

WELL 1 COMMENTS:

Well was spudded 7/21/91 at 3:00 p.m. Current operation: Drilling.

WELL 2 COMMENTS:

Federal-lease Prop. Zone-Cane Creek
 Field-Undesignated (New entity 11250 added 7-31-91)
 Unit-N/A

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

JUL 25 1991

DIVISION OF
 OIL GAS & MINING

Sally L. Durbell
 Signature Regulatory
 Compliance Rep. 7/23/91
 Title Date
 Phone No. (303) 930-9393

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0125
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

UT-67568

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME

Hatch Point Federal

9. WELL NO.

22-33H

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 33-T27S-R21E

14. PERMIT NO.

API# 43-037-31630

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

5577'KB

12. COUNTY OR PARISH

San Juan

13. STATE

UT

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)

Spud

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

X

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

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

This well was spudded 7/20/91 at 3:00 pm.
Current Operation: Drilling at 331'.

RECEIVED

JUL 25 1991

DIVISION OF
OIL GAS & MINING

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

SIGNED

Sally L. Duffell

TITLE

Regulatory
Compliance Representative

DATE

7-21-91

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0125
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. UT-67568
2. NAME OF OPERATOR Meridian Oil Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
3. ADDRESS OF OPERATOR 5613 DTC Parkway, Englewood, CO 80111		7. UNIT AGREEMENT NAME N/A
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2595'FNL and 2070'FWL		8. FARM OR LEASE NAME Hatch Point Federal
14. PERMIT NO. API# 43-037-31630	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5577'KB	9. WELL NO. 22-33H
		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., E., M., OR BLK. AND SURVEY OR ARMA Sec. 33-T27S-R21E
		12. COUNTY OR PARISH San Juan
		13. STATE UT

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) Spud

(Other)

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

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

This well was spudded 7/20/91 at 3:00 pm.
Current Operation: Drilling at 331'.

RECEIVED

JUL 25 1991

DIVISION OF
OIL GAS & MINING

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

SIGNED

Sally L. Duffell

TITLE

Regulatory

Compliance Representative

DATE

7-21-91

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

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

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

Form approved.
Budget Bureau No. 1004-0007
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

UT-67568

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME

Hatch Point Federal

9. WELL NO.

22-33H

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 33-T27S-R21E

14. PERMIT NO.

API# 43-037-31630

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

5577'KB

12. COUNTY OR PARISH

San Juan

13. STATE

UT

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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

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

This well was spudded 7/20/91 at 3:00 pm.
Current Operation: Drilling at 331'.

RECEIVED
CONFIDENTIAL JUL 25 1991
DIVISION OF
OIL GAS & MINING

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

SIGNED

Sally L. Duvall

TITLE

Regulatory
Compliance Representative

DATE

7-21-91

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



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

July 31, 1991

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

Re: 1) Meridian Oil Inc.
Federal #22-~~23~~H - Section 33, T27S, R21E, SLB&M - 43-037-31630
2) Chevron USA Inc.
Kane Creek State #1-36 - Section 36, T27S, R20E, SLB&M 43-037-31631

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 each of these wells by RDB 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
Area Engineer

Enclosures
MPP/mjk

RECEIVED

AUG 01 1991

DIVISION OF
OIL GAS & MINING

08/12/91
09:28:33.1

MERIDIAN OIL COMPANY
DAILY DRILLING REPORT
WORKING INTEREST WELLS
H I S T O R Y

DDR107NB-C
PAGE: 1

WELL NAME	S		
OPERATOR	T	MOI PART	DP-NO
	A		
	Y		
	T		
	P		
	U		
	E		
	S		

DIST: DENVER
ST : UT CNTY: SAN JUAN

HATCH POINT FEDERAL 22-33H
MERIDIAN OIL IN

PROP TD : 9,700
PROSPECT: W D 100.00% 21240A

8-06-91

TD: 6,057
MW: 10.00 VIS: 044 WL: 2.00
DRILL. RS CHECK BOP'S. DRILL SVY 5892 MISRUN. DRILL SVY 5892 2-3/4
DEG. DRILL.
AFE-NO: 0294 AFE COST: \$ PROPERTY: 0-180821-00
ECC: \$

8-07-91

TD: 6,446
MW: 10.20 VIS: 045 WL: 2.80
DRILLING. RS. DRILLING. RIG REPAIR. DRILLING REAM TIGHT CON AT 6411
SURVEY. DRILLING.
AFE-NO: 0294 AFE COST: \$ PROPERTY: 0-180821-00
ECC: \$

8-08-91

TD: 6,850
MW: 10.20 VIS: 047 WL: 3.00
DRILLING. RS. DRILLING. CIRC FOR SHORT TRIP. SHORT TRIP INTO CSG
AFE-NO: 0294 AFE COST: \$ PROPERTY: 0-180821-00
ECC: \$

8-09-91

TD: 6,850
MW: 11.00 VIS: 048 WL: 3.40
CIRC. TRIP OUT FOR LOGS. LOG W/HALLIBURTON LOGGING. RAN DIL/GR/CAL
SDL-DSN BHC SONIC 6850-4886. VSP.
AFE-NO: 0294 AFE COST: \$ PROPERTY: 0-180821-00
ECC: \$

08/12/91
09:28:35.2

MERIDIAN OIL COMPANY
DAILY DRILLING REPORT
WORKING INTEREST WELLS
H I S T O R Y

DDR107NB-C
PAGE: 8

WELL NAME	S		
OPERATOR	T	MOI PART	DP-NO
	A		
	T		
	U		
	S		

8-10-91

TD: 6,850
MW: 11.00 VIS: 048 WL: 3.40
VSP. TRIP IN HOLE W/BHA. CUT DRILLING LINE. TIH. CIRC. RIG UP AND
RUN GYRO SURVEY
AFE-NO: 0294 AFE COST: \$ PROPERTY: 0-180821-00
ECC: \$

8-11-91

TD: 6,935
MW: 11.00 VIS: 048 WL: 3.40
RUN GYRO AND RIG DOWN LOGGER. DRILLING. CIRC. TRIP OUT. RIG UP LAY
DOWN MACHINE. LAY DOWN. PU BHA. TEST MWD. PU 80 JTS SWDP. RIG DOWN
LAY DOWN MACHINE. TIH. DRILLING.
AFE-NO: 0294 AFE COST: \$ PROPERTY: 0-180821-00
ECC: \$

8-12-91

TD: 7,256
MW: 11.00 VIS: 048 WL: 3.40
DRILLING (2-1/4 SURVEY)
AFE-NO: 0294 AFE COST: \$ PROPERTY: 0-180821-00
ECC: \$

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. UT-67568
2. NAME OF OPERATOR Meridian Oil Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
3. ADDRESS OF OPERATOR 5613 DTC Parkway, Englewood, CO 80111		7. UNIT AGREEMENT NAME N/A
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2595'FNL and 2070'FWL		8. FARM OR LEASE NAME Hatch Point Federal
14. PERMIT NO. API# 43-037-31630		9. WELL NO. 22-33H
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5577'KB		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA Sec. 33-T27S-R21E
		12. COUNTY OR PARISH San Juan
		13. STATE UT

CONFIDENTIAL

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

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

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

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

Operations Status through 8-12-91.
See attached History

RECEIVED

AUG 14 1991

DIVISION OF
OIL GAS & MINING

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

SIGNED Sally L. Durbell TITLE Regulatory Compliance Rep. DATE 8-12-91

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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

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

2. NAME OF OPERATOR: Meridian Oil Inc. DEC 09 1991

3. ADDRESS OF OPERATOR: 5613 DTC Parkway, Englewood, CO 80111 DIVISION OF OIL & GAS ENGINEERING

4. LOCATION OF WELL (Report location clearly and in accordance with any State Laws and Regulations):
At surface 2595' FNL and 2070' FWL
At top prod. interval reported below
At total depth

5. LEASE DESIGNATION AND SERIAL NO. UT-67568

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

7. UNIT AGREEMENT NAME N/A

8. FARM OR LEASE NAME Hatch Point Federal

9. WELL NO. 22-33H

10. FIELD AND POOL, OR WILDCAT Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 33-T27S-R21E

12. COUNTY OR PARISH San Juan

13. STATE UT

14. PERMIT NO. 43-037-31630 DATE ISSUED 7-1-91

15. DATE SPUDDED 7-20-91 16. DATE T.D. REACHED 9-11-91 17. DATE COMPL. (Ready to prod.)

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5617' KB, 5597' GL

19. ELEV. CASINGHEAD

20. TOTAL DEPTH MD & TVD 10,200 MD 21. PLUG BACK T.D., MD & TVD 10,125' MD

22. IF MULTIPLE COMPL., HOW MANY* --- 23. INTERVALS DRILLED BY --- ROTARY TOOLS All CABLE TOOLS ---

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
Cane Creek B and C - See back

25. WAS DIRECTIONAL SURVEY MADE Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN DIL, SDL-DSN, BHC Sonic, CBL

27. WAS WELL CORED No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	54.5#	712'	17-1/2"	300 sx Pozmix, 360 sx "G"	lapped out cmt to surface
9-5/8"	40#	4889'	12-1/4"	350 sx Top Job, 300 sx G, 600 sx foam	lapped out cmt to surface
5-1/2"	17#, 20#, 23#		8-3/4"	1000 sx Pozmix, 1050 sx Prem.	

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)
Alternating sections of pre-perforated 5-1/2", 23# csg from 8,143'-10,125'. Total jts of pre-perfed csg: 15'. Ttl ft of perfed pipe: 653:95. Perf density = 1 spf.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
8143-9700	Coiled tbg N2 cleanout.
8143-10,125	Cleaned out behind pipe using wash tool w/N2 and gelled wtr (XANVIS)

33.* PRODUCTION

DATE FIRST PRODUCTION 10-2-91 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Swabbing from 7100' WELL STATUS (Producing or shut-in) SI

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10-2-91	6	--		2.5	-0-	2.5	-0-

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
-0-	-0-		10	-0-	10	not tested

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

35. LIST OF ATTACHMENTS

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

SIGNED Jacques L. Duval TITLE Regulatory Compliance Representative DATE 12-6-91

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

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Navajo	Surface			Akah	4891	
Hermosa	2888	4320	ss	A Marker	5689	
Paradox	4320		ss, slst, ls Salt anhydrite, shale, dolomite siltstone, sandstone, potash	B Marker	5943	
				Cane Creek	7545	7381

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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

b. TYPE OF COMPLETION:
NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RENVR. 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)
At surface 2595' FNL and 2070' FWL

At top prod. interval reported below

At total depth

RECEIVED

DEC 30 1991

DIVISION OF OIL GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.

UT-67568

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME

Hatch Point Federal

9. WELL NO.

22-33H

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 33-T27S-R21E

12. COUNTY OR PARISH

San Juan

13. STATE

UT

15. DATE SPUDDED 7-20-91 16. DATE T.D. REACHED 9-11-91 17. DATE COMPL. (Ready to prod.) 10-3-91 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5617'KB, 5597'GL 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 10,200' MD 7,401' TVD 21. PLUG BACK T.D., MD & TVD 10,125' MD 22. IF MULTIPLE COMPL. HOW MANY* --- 23. INTERVALS DRILLED BY --- ROTARY TOOLS All CABLE TOOLS ---

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
Cane Creek B and C - See back 25. WAS DIRECTIONAL SURVEY MADE Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN
DIL, SDL-DSN, BHC Sonic, CBL 8-22-91 27. WAS WELL CORED No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	54.5#	712'	17-1/2"	300 sx Pozmix, 360 sx "G"	dropped out cmt to surface
9-5/8"	40#	4889'	12-1/4"	350 sx Top Job 300 sx G, 600 sx foam	dropped out cmt to surface
5-1/2"	17#, 20#, 23#		8-3/4"	1000 sx Pozmix, 1050 sx Prem.	

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

31. PERFORATION RECORD (Interval, size and number)
Alternating sections of pre-perforated 5-1/2", 23# csg from 8,143'-10,125'. Total jts of pre-perfed csg: 15'. Ttl ft of perfed pipe: 653:95. Perf density = 1 spf.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED
8143-9700 Coiled tbg N2 cleanout.
8143-10,125 Cleaned out behind pipe using wast tool w/N2 and gelled wtr(XANVIS)

33.* PRODUCTION
DATE FIRST PRODUCTION 10-2-91 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Swabbing from 7100' WELL STATUS (Producing or shut-in) SI

DATE OF TEST	HOURS TESTED	CHOKED SIZE	PROD'N FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10-2-91	6	--	→	2.5	-0-	2.5	-0-

FLOW TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
-0-	-0-	→	10	-0-	10	not tested

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

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
Regulatory Compliance
SIGNED Sally L. Duval TITLE Representative DATE 12-6-91

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

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Navajo	Surface			Akah	4891	
Hermosa	2888	4320	ss	A Marker	5689	
Paradox	4320		ss, slst, ls Salt anhydrite, shale, dolomite siltstone, sandstone, potash	B Marker	5943	
				Cane Creek	7545	7381

CONFIDENTIAL

Form 3160-5
(December 1989)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: September 30, 1990

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
EXXON CORPORATION ATTN: REGULATORY AFFAIRS

3. Address and Telephone No.
P. O. BOX 1600 MIDLAND, TX 79702 (915) 688-7548

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2595' FNL & 2070' FWL
Sec. 33, T. 27S, R. 21E

5. Lease Designation and Serial No.
UT-67568

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
**HATCH POINT FEDERAL
22-33H**

9. API Well No.
4303731630

10. Field and Pool, or Exploratory Area
WILDCAT

11. County or Parish, State
SAN JUAN UT

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<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

LOGGING TESTS
(Note: Report results of multiple completion 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.)*

EXXON REQUESTS APPROVAL TO CONDUCT LOGGING TESTS ON THE SUBJECT WELL. ATTACHED IS THE OPERATIONS PROCEDURE.

RECEIVED

ACCEPTED BY THE STATE
OF UTAH DIVISION OF MAR 30 1992
OIL, GAS, AND MINING

DATE: 4-1-92 DIVISION OF
OIL GAS & MINING

BY: [Signature]

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

Signed [Signature] Title **Stephen Johnson** Date **03/26/92**
Administrative Specialist

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
 Conditions 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 statements or represent as to any matter within its jurisdiction.

MERIDIAN HATCH POINT FEDERAL #22-33H
SENW Sec. 33, T27S, R21E
San Juan County, Utah

Logging Procedure

Current Well Data:

Elevation - 5620' KB; 5597' GL
TD - 10,200' (MD); 7,401' (TVD)
Surface Casing - 13-3/8"/54.5ppf/K55/STC @ 712'
Intermediate Casing - 9-5/8"/40ppf/N80/LTC @ 4,889'
Production Casing - 5-1/2"/17&23ppf/N80,L80,P110/LTC & BT @ 10,125'
(Min. I.D.=4.545"; perforated pipe from 8,143' - 10,125').

Directional Data:

KOP @ 6,918' (MD); 6,911' (TVD)
Horizontal @ 7,622' (MD); 7,409' (TVD)
Cane Creek 'A' @ 7,542' (MD); 7,379' (TVD)
Cane Creek 'B' @ 7,576' (MD); 7,395' (TVD)
Final Azimuth - 351 degrees

Procedure:

1. MIRU WSU. RU flowline to tank and bleed off any pressure on wellhead.
2. Rig up swab line and swab well to recover oil samples. Send two 1-qt. to John Becker with Exxon in Midland (address to be provided).
3. Load well with fluid (fresh water). Ensure well is dead. ND tree and NU BOPE. Test BOPE to 3,000 psi.
4. Unseat Baker Model R3 Double Grip packer by pulling straight up. TOOH with packer and tubing, keeping the hole full, and LD packer.
5. PU Baker hydraulic set CIBP on tubing and TIH to at least 7,600' and set CIBP. Release tubing from BP (will require approx. 20,000 lbs. overpull), PU one joint and pressure test CIBP and casing to 2,000 psi. This will require approx. 320' rental tubing.
6. Displace hole with water and TOOH with tubing.
7. RU Schlumberger.
8. Run VSP tool on wireline over interval as directed by geologist on location.
9. RU wireline lubricator and TIH with 3-3/8" Hyper-Jet II casing perforator on wireline. Perforate 5-1/2"/23ppf/P110 casing with 4 spf from approximately 7,540' to 7,550' (or over interval directed by geologist). (NOTE: Tubing may be run back in on packer and packer set at about 7,500', and the casing perforated with a through-tubing gun. Check with Op't. Supt'. for proper perforating procedure).
10. TOOH, LD perforating gun. (No pressure is expected after perforating). (If tubing was run in step #9, pull tubing and packer).

11. Run EPR "TABS" tool on wireline to a point below all perforations.
12. RU Dowell/Schlumberger pump truck. Establish injection into perforations and frac formation with 250-500 bbls. of "slick" water as per the frac rate schedule provided by the EPR representative on location. Hold 200-500 psi on the 5-1/2" x 9-5/8" annulus and monitor pressure while fracing.
13. Run TABS log as directed by EPR rep. (Repeat steps 11-13 as directed by EPR rep, probably once or twice).
14. RD D/S and Schlumberger.
15. PU Baker hydraulic set cement retainer on tubing and TIH to approximately 7,490' (50' above top perforation) and set retainer. Establish injection into perforations. Sting out of retainer to check freedom and circulate 50 sacks of class 'G' neat cement (15.8 ppg, 1.15 cfps, 5.0 gwps) to the bottom of the tubing, sting back into the retainer, and squeeze the perforations below the retainer. With approximately 5 sacks left, pull out of the retainer and dump remaining cement on top (approx. 50 ft. inside casing).
16. PU approximately 15 stands (assuming doubles) and reverse circulate at least one circulation.
17. ND BOPE and WH. NU Tree. RDMO WSU. Turn well back over to Meridian for final P&A (pending final agreement with Meridian).

/GHM

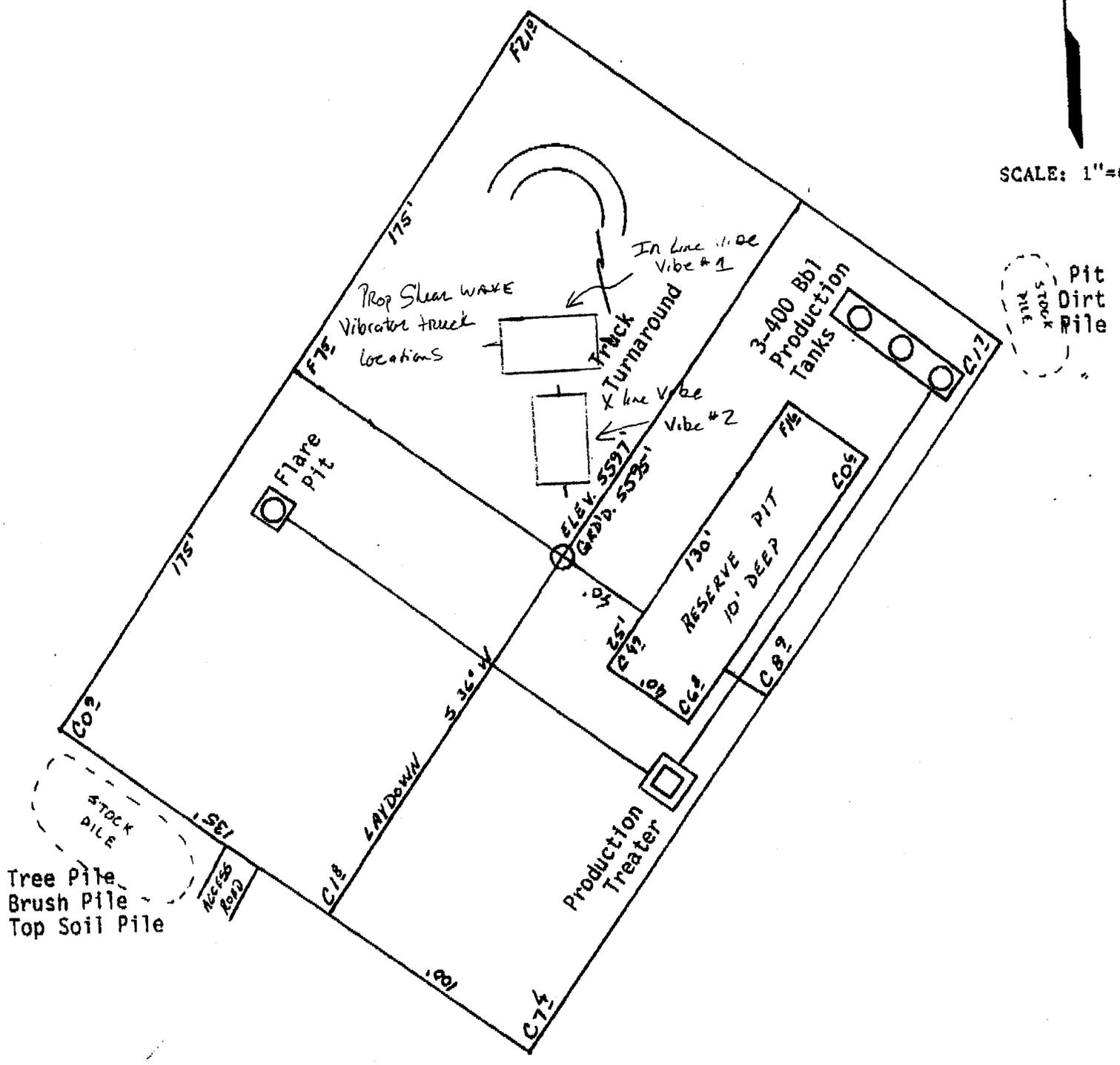


POWERS ELEVATION

Meridian Oil Incorporated
Hatch Point Federal #22-33H
2595' FNL & 2070' FWL
Sec. 33, T27S, R21E,
San Juan Co. Utah



SCALE: 1"=60'



Tree Pile
Brush Pile
Top Soil Pile

Pit
Stock
Pile
Dirt
Pile

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-1135
Expires September 30, 1990

SUNDRY NOTICES AND REPORTS ON WELLS

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

5 Lease Designation and Serial No
UT-67568

6 If Indian, Allottee or Tribe Name
N/A

7 If Unit or CA, Agreement Designation
N/A

8 Well Name and No. 22-33H
Hatch Point Federal

9 API Well No.
43-037-31630

10 Field and Pool, or Exploratory Area
Wildcat

11 County or Parish, State
San Juan, Utah

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

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

2595' FNL and 2070' FWL

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

TYPE OF SUBMISSION

Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other
 Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-Off
 Conversion to Injection

Temporary Change of Operator

Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form 1

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.)

Effective March 26, 1992, Exxon U.S.A. will assume operations of the subject well for a temporary period of time during which it will conduct necessary testing and evaluation to determine the viability of further operations on the well. It is estimated that such testing will commence upon approval of the Change of Operator and upon receipt of the necessary approvals of the proposed operations by Exxon. Upon completion of operations by Exxon, Meridian will then resume operations of the subject well.

RECEIVED

MAR 30 1992

DIVISION OF
OIL GAS & MINING

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

Signed Sally L. Swall Title Regulatory Compliance Represen. Date March 26, 1992

(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

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: September 30, 1990

SUNDRY NOTICES AND REPORTS ON WELLS

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

RECORDED

SUBMIT IN TRIPLICATE

MAR 30 1992

1. Type of Well
 Oil Well Gas Well Other

DIVISION OF
OIL GAS & MINING

2. Name of Operator
EXXON CORPORATION ATTN: REGULATORY AFFAIRS

5. Lease Designation and Serial No.
UT-67568

3. Address and Telephone No.
P. O. BOX 1600 MIDLAND, TX 79702 (915) 688-7548

6. If Indian, Allottee or Tribe Name

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2595' FNL & 2070' FWL

7. If Unit or CA, Agreement Designation

Sec. 33, T. 27S, R. 21E

8. Well Name and No.
HATCH POINT FEDERAL 22-33H

9. API Well No.
4303731630

10. Field and Pool, or Exploratory Area
MILDCAT

11. County or Parish, State
SAN JUAN UT

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<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

OPERATOR CHANGE

(Note: Report results of multiple completion 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.)*

EXXON PROPOSES TO BEGIN OPERATING THE SUBJECT WELL EFFECTIVE MARCH 26, 1992. ITS OUR INTENT TO CONDUCTS TESTS USING THE WELLBORE, THEN RETURN OPERATORSHIP TO MERIDIAN OIL.

OPERATOR CERTIFICATION:

BE ADVISED THAT EXXON CORPORATION IS TO BE CONSIDERED TO BE THE OPERATOR OF WELL NUMBER 22-33H, SENW, SEC. 33, T27S, R21E, HATCH POINT FEDERAL LEASE, 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. 511-23-06, (BLM BOND NO. ES0024) (PRINCIPAL EXXON CORPORATION) VIA SURETY CONSENT AS PROVIDED FOR IN 43 CFR 3104.2.

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

Signed *S. Johnson*

Stephen Johnson
Administrative Specialist

Date **03/26/92**

(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

Conditions of approval, if any:

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

3. LEASE DESIGNATION & SERIAL NO.
UT-67568

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.)

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

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
Hatch Point Federal

9. WELL NO.
22-33H

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC. T., R., M. OR BLK. AND SURVEY OR AREA
Sec. 33-T27S-R21E

12. COUNTY
San Juan

13. STATE
Utah

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
At proposed prod. zone
2595' FNL and 2070' FWL

14. API NO.
43-037-31630

15. ELEVATIONS (Show whether OF, RT, GR, etc.)
5597' GL

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

NOTICE OF INTENTION TO:

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

SUBSEQUENT REPORT OF:

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

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

APPROX. DATE WORK WILL START 4-16-92

DATE OF COMPLETION 4-17-92

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.

See attached Procedure

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

DATE: 5-5-92
BY: [Signature]

RECEIVED

MAY 04 1992

DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct
SIGNED [Signature] TITLE Regulatory Compliance Representative DATE 4-28-92
(This space for Federal or State office use)

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

PROCEDURE TO ABANDON

Hatch Point Federal 22-33H
SENV Section 33-T27S-R21E
San Juan County, UTAH

Production casing cemented as follows:

Landed plug & inflated ECP to 1700#. Released pressure. ECP held OK. Pressured up to 4000#. Opened HOS. Pumped 50 bbl of dual (cmt/invert) spacer, 13.5 lb/gal @ 5 bpm. Pumped 1000 sx of 12.5 lb/gal Pozmix A + 10% salt, 1.03 ft³/sx yield followed by 1050 sx of 16.2 lb/gal Premium cmt + 10% salt + 0.4% Halad-24 + 0.5% CFR-3, 1.13 ft³/sx yield at 4.2 BPM avg rate. Displaced w/ invert to HOS tool. Bumped closing plug. Bled off; plug held.

HORIZONTAL DATA:

KOP: 6,918' MD, 6,911' TVD
Begin Lateral @ 7,622' MD, 7,409' TVD
Cane Creek B Top (first cut): 7,576' MD 7,395' TVD
Azimuth: 351 degrees
TD: 10,200' MD, 7,401' TVD
Total Lateral: 7,622-10,200' MD
Portion of Lateral to be completed: 8,143-10,125'

NOTE: Lateral extends progressively from the Cane Creek 'B', through the 'C', the salt, and back into the 'C' and 'B'.

Procedure

1. Notify BLM of start date for this job 24 hrs in advance. Contact Mr. Lynn Jackson or Mr. Eric Jones at 801-259-6111.
2. MIRUSU. NU blooie line. Bleed off well to flat tank. ~~NDWH.~~
NUEOP. Set 1- 400 bbl upright tank for mud storage.
3. RU swab line. Swab well to recover oil samples. Send two glass quart oil samples to Sid Bjorlie (MOI) in Denver and two glass quart oil samples to Mr. John Becker, Exxon Co. USA, 3300 North A Street, Petroleum Center 4, Midland, TX 79705.
4. Unset Baker R-3 DG packer. POOH with Baker R-3 DG packer and 2-7/8" tbg. LD packer, nipples and 4' perforated sub. Load tbg w/ 10# brine NO Tree NU GOP's Test tbg rams 2000 psi
Monitor backside, fill hole w/ 10# brine while POOH
5. RU Schlumberger. Set 10,000# differential, CIBP on wireline w/ Lubricat as deep as possible in bend (preferably as deep as 7,590').
6. Load hole with brine!
7. Run Schlumberger CET/CBL/GR from as deep as possible to 500' above this deepest point at 0 psig pressure. Run CET/CBL/GR at 1500 psig from as deep as possible to surface or to a point 100' above top of cement. RD Schlumberger.

Trailer
\$2000 incl
+manop

24 wire + fill well
24 10# brine

NU labor
Set plug

24 log 6 hrs
24

3 days

PROCEDURE TO ABANDON
Hatch Point Federal 22-33H
SENW Section 33-T27S-R21E
San Juan County, Utah

8. ^{Part of step 1} (Bring 12 jts 2-7/8" L-80 tbg to location.) RIH w/ tbg to CIBP.
9. Set cement plug above CIBP w/ 25 sx Premium Neat Cement. Pump 29 bbls of 9.5# mud ahead of 10 bbl Fresh Water Spacer and the cement and displace the cement with 9.5# mud so that there is a mud spacer up to 4989'. Pull tbg up to 4989', pulling slowly out of cement plug. (NOTE: All plugs contain 10% excess cement per 1000' of depth as per BLM requirements.)
10. Set 200' balanced cement plug from 4789' to 4989' w/ 35 sx Premium Neat Cement. Pump a total of 63 bbls 9.5# mud (28 bbls tbg volume plus add'l 35 bbls) ahead of 10 bbl Fresh Water Spacer and the cement and displace cement with 9.5# mud so that there is a mud spacer to surface.
11. Pull up to 50', pulling slowly out of cement plug. Top hole off w/ 9.5# mud. Set cement plug to surface w/ 8 sx Premium Neat Cement. POOH w/ tbg.
12. NDBOP. NDWH. RDMOSU. Cut off casing 4' below ground level and cap with the following information:
- Hatch Point Federal 22-33H
SENW Section 33-T27S-R21E
San Juan County, Colorado
Meridian Oil, Inc.
(date)
13. Restore location. Send salvaged tbg and tbg equipment to C&Y Yard, Casper. Send wellhead equipment to ERC Industries in Casper.

K.F. Riley ^{KFR 12-5-91}
Senior Production Engineer

Approved: J.M. Hertzler by RED / 12-5-91
J.M. Hertzler (Date)
Supervising Production Engineer

Approved: S.B. Palmer / 12-5-91
S.B. Palmer (Date)
Completion Superintendent

Routing
1-ICR ✓
2-DTS ✓
3-VLC ✓
4-RJE ✓
5-DME/CONF. ✓
6-ICR ✓

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: 3-26-92)

TO (new operator) <u>EXXON CORPORATION</u>	FROM (former operator) <u>MERIDIAN OIL, INC.</u>
(address) <u>P. O. BOX 1600</u>	(address) <u>801 CHERRY STREET</u>
<u>MIDLAND, TX 79702</u>	<u>FORT WORTH, TX 76102</u>
<u>STEPHEN JOHNSON</u>	<u>SALLY DUVAL (CO OFFICE)</u>
phone (915) <u>688-7548</u>	phone (817) <u>347-2331</u>
account no. <u>N 0420</u>	account no. <u>N7230</u>

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

Name: <u>HATCH PT FED 22-33H</u>	API: <u>43-037-31630</u>	Entity: <u>11250</u>	Sec <u>33</u> Twp <u>27S</u> Rng <u>21E</u>	Lease Type: <u>UT67568</u>
Name: <u>(CNCR)</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: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- ICR 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (3-28-92)
- ICR 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (3-30-92)
- 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: _____.
- ICR 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.
- ICR 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (5-13-92)
- ICR 6. Cardex file has been updated for each well listed above. (5-13-92)
- ICR 7. Well file labels have been updated for each well listed above. (5-13-92)
- ICR 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (5-13-92)
- ICR 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

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) (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 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- N/A 2. A copy of this form has been placed in the new and former operators' bond files.
- N/A 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.
- N/A 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

- N/A 1. All attachments to this form have been microfilmed. Date: August 4 1994.

FILING

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

COMMENTS

920330 Btm/Moab "Not approved as of yet."
 920430 Btm/Moab " "
 920513 Btm/Moab Approved 4-2-92. (copy of Btm approval being mailed)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: September 30, 1990

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

EXXON CORPORATION ATTN: REGULATORY AFFAIRS

3. Address and Telephone No.

P. O. BOX 1600 MIDLAND, TX 79702 (915) 688-7548

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

2595' FNL & 2070' FWL

5. Lease Designation and Serial No.

UT-67568

6. If Indian, Ailotee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
HATCH POINT FEDERAL
22-33H

9. API Well No.

4303731630

10. Field and Pool, or Exploratory Area

WILDCAT

11. County or Parish, State

SAN JUAN UT

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

TYPE OF SUBMISSION

Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

Abandonment Change of Plans
 Recompletion New Construction
 Plugging Back Non-Routine Fracturing
 Casing Repair Water Shut-Off
 Altering Casing Conversion to Injection
 Other

OPERATOR CHANGE

(Note: Report results of multiple completion 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.)

EXXON PROPOSES TO BEGIN OPERATING THE SUBJECT WELL EFFECTIVE MARCH 26, 1992. ITS OUR INTENT TO CONDUCTS TESTS USING THE WELLBORE, THEN RETURN OPERATORSHIP TO MERIDIAN OIL.

OPERATOR CERTIFICATION:

BE ADVISED THAT EXXON CORPORATION IS TO BE CONSIDERED TO BE THE OPERATOR OF WELL NUMBER 22-33H, SENW, SEC. 33, T27S, R21E, HATCH POINT FEDERAL LEASE, 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. 511-23-06, (BLM BOND NO. ES0024) (PRINCIPAL EXXON CORPORATION) VIA SURETY CONSENT AS PROVIDED FOR IN 43 CFR 3104.2.

RECEIVED

MAY 15 1992

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

Signed *S. Johnson*

Stephen Johnson
Administrative Specialist
Assistant District Manager

Date 03/26/92

(This space for Federal or State office use)

Approved by *William C. Hanger*

Title

Date 4/2/92

Conditions of approval, if any:

CONDITIONS OF APPROVAL ATTACHED

APPROVE W/ STD. COND.: ecj 3/31/92

ALS 4/1/92

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires September 30, 1990

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

UT-67568

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No. 22-33H

Hatch Point Federal

9. API Well No.

43-037-31630

10. Field and Pool, or Exploratory Area

Wildcat

11. County or Parish, State

San Juan, UT

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other Dry

2. Name of Operator

Meridian Oil Inc.

3. Address and Telephone No.

5613 DTC Parkway, Englewood, CO 80111 (303) 930-9393

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

At Surface: 2595'FNL and 2070'FWL
Sec. 33-T27S-R21E

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

TYPE OF SUBMISSION

- Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

- Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other
- Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-Off
 Conversion to Injection

Change of Operator

Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form 1

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.)

Effective April 14, 1992, Meridian Oil Inc. resumed operations of the subject well. Meridian will be responsible under the terms and conditions of the lease for operations on the lease under Nationwide Bond No. UT-0414.

MT0719 VB

RECEIVED

MAY 15 1992

DIVISION OF
OIL GAS & MINING

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

Signed

Sally L. Swall

Title

Regulatory Compliance Representative

Date

4-14-92

(This space for Federal or State office use)

Approved by

William C. Hunter

Title

Assistant District Manager for Minerals

Date

4/22/92

Conditions of approval, if any:

Approved conditions
ALS 4/22/92

Routing: *[Signature]*

1-LCR	7-LCR
2-DTS	<i>DTS</i>
3-VLC	<i>[check]</i>
4-RJF	<i>[check]</i>
5-RWM	<i>[Signature]</i>
6-DME	<i>[Signature]</i>

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: 4-14-92)

TO (new operator)	<u>MERIDIAN OIL, INC.</u>	FROM (former operator)	<u>EXXON CORPORATION</u>
(address)	<u>801 CHERRY STREET</u>	(address)	<u>P. O. BOX 4721</u>
	<u>FT WORTH, TX 76102</u>		<u>HOUSTON, TX 77210-4721</u>
	<u>phone (817) 347-2331</u>		<u>phone (713) 656-7599</u>
	<u>account no. N 7230</u>		<u>account no. N 0420</u>

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

Name: <u>HATCH PT FED 22-33H/CN</u>	API: <u>43-037-31630</u>	Entity: <u>11250</u>	Sec <u>33</u> Twp <u>27S</u> Rng <u>21E</u>	Lease Type: <u>UT-67568</u>
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: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- See* 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 5-15-92)*
- See* 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Rec'd 5-15-92)*
- 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: _____.
- See* 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.
- See* 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(5-26-92)*
- See* 6. Cardex file has been updated for each well listed above. *(5-26-92)*
- See* 7. Well file labels have been updated for each well listed above. *(5-26-92)*
- See* 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(5-26-92)*
- See* 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

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

BOND VERIFICATION (Fee wells only)

- 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) no. Today's date _____ 19____. If yes, division response was made by letter dated _____ 19____.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- 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.
- 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: August 3 1994.

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

920515 Bhm/moab Approved 4-22-92.

MERIDIAN 

6/24/94

TO: Frank Matthews

FROM: Georganne Mitchell

Enclosed is Exhibit "A"

(surface plot) for the 24-4
KIVA Fed. well. Thank you
for bringing that to my
attention.

I talked with Marie Ramstetter
at the BLM regarding the
22-33H Hatch Point Federal
Well. She said to do a
FINAL Abandonment Notice
which I will do and send
you a copy. The bottom
note location is 10,158
(see attached report)

SPERRY-SUN DRILLING SERVICES

BOREHOLE SURVEY DATA

CUSTOMER: MERIDIAN OIL INC.

LEASE: HATCH POINT 22-33 H

43-037-31630

FIELD: SAPHIRE PROSPECT

Sec 33 T27S R21E

LOCATION: SAN JUAN COUNTY, UTAH, U.S.A.

RIG: GRACE 182

SURVEY:

CUSTOMER PROVIDED SURVEY DATA FROM 6,792 TO 8,140 FEET.

SPERRY-SUN M.W.D. SURVEYS FROM 8,179 TO 10,158 FEET.

SURVEYED BY B.BALBINOT, R.DAVIS, AND P.BREMNER.

SPERRY-SUN DRILLING SERVICES
DIRECTIONAL SURVEY REPORT

MERIDIAN OIL INC.
HATCH PT. FED. 22-33 H

SEPTEMBER 11, 1991
CA-MW-10195

MEASURED DEPTH	ANGLE DEG	DIRECTION DEG	VERTICAL DEPTH	LATITUDE FEET	DEPARTURE FEET	VERTICAL SECTION	DOG LEG
6792.00	5.72	124.80	6785.35	18.96 N	194.23 E	34.58	0.00
6860.00	6.30	124.20	6852.93	14.93 N	200.10 E	31.03	0.86
6900.00	6.30	120.70	6892.73	12.57 N	203.80 E	28.98	0.96
6931.00	5.20	92.00	6923.58	11.66 N	206.67 E	28.30	9.80
6963.00	6.70	43.60	6955.43	12.84 N	209.52 E	29.71	14.40
6995.00	11.40	34.80	6987.02	16.68 N	212.73 E	33.79	16.08
7027.00	16.60	31.00	7018.06	23.20 N	216.89 E	40.63	16.49
7058.00	20.90	24.30	7047.41	32.04 N	221.45 E	49.81	15.49
7090.00	23.70	13.30	7077.03	43.50 N	225.28 E	61.55	15.67
7121.00	27.40	5.10	7105.00	56.68 N	227.35 E	74.85	16.49
7152.00	32.00	1.10	7131.93	72.01 N	228.14 E	90.19	16.15
7184.00	37.60	0.60	7158.19	90.26 N	223.40 E	108.40	17.52
7216.00	41.90	358.80	7182.79	110.72 N	228.28 E	128.78	13.91
7248.00	45.60	353.60	7205.91	132.77 N	226.78 E	150.65	16.12
7279.00	49.90	351.50	7226.75	155.52 N	223.79 E	173.07	14.75
7311.00	52.60	352.30	7246.78	180.22 N	220.28 E	197.42	8.66
7342.00	53.10	352.20	7265.50	204.71 N	216.95 E	221.55	1.63
7374.00	53.70	352.60	7284.58	230.17 N	213.55 E	246.66	2.13
7405.00	54.20	352.40	7302.82	255.02 N	210.28 E	271.16	1.70
7436.00	54.70	352.40	7320.84	280.02 N	206.95 E	295.81	1.61
7467.00	55.60	353.30	7338.56	305.26 N	203.78 E	320.71	3.76
7498.00	55.60	352.80	7356.07	330.65 N	200.69 E	345.77	1.33
7529.00	58.90	354.10	7372.84	356.55 N	197.72 E	371.35	11.21
7560.00	63.90	355.10	7387.68	383.64 N	195.16 E	398.14	16.38
7590.00	69.30	355.20	7399.59	411.06 N	192.84 E	425.29	18.00
7622.00	75.40	354.60	7409.28	441.42 N	190.12 E	455.33	19.15
7649.00	80.60	354.50	7414.90	467.70 N	187.62 E	481.32	19.26
7682.00	87.30	354.80	7418.37	500.36 N	184.56 E	513.62	20.32
7713.00	89.80	354.40	7419.16	531.21 N	181.64 E	544.14	8.17
7745.00	89.90	354.90	7419.24	563.07 N	178.66 E	575.65	1.59
7779.00	89.90	354.60	7419.30	596.92 N	175.55 E	609.15	0.88
7806.00	91.80	354.00	7418.90	623.79 N	172.87 E	635.70	7.38
7836.00	93.30	355.30	7417.56	653.62 N	170.07 E	665.22	6.61
7867.00	93.30	354.70	7415.78	684.45 N	167.37 E	695.73	1.93
7898.00	92.10	354.20	7414.32	715.27 N	164.38 E	726.21	4.19
7927.00	91.80	354.10	7413.33	744.11 N	161.43 E	754.71	1.09
7957.00	92.80	354.80	7412.13	773.94 N	158.53 E	784.21	4.07
8003.00	95.10	354.60	7408.96	819.63 N	154.29 E	829.41	5.02
8018.00	95.30	354.80	7407.60	834.51 N	152.91 E	844.13	1.88
8048.00	95.40	355.40	7404.80	864.27 N	150.36 E	873.58	2.02

SPERRY-SUN DRILLING SERVICES
DIRECTIONAL SURVEY REPORT

MERIDIAN OIL INC.
HATCH PT. FED. '22-33 H

SEPTEMBER 11, 1991
CA-MW-10195

MEASURED DEPTH	ANGLE DEG	DIRECTION DEG	VERTICAL DEPTH	LATITUDE FEET	DEPARTURE FEET	VERTICAL SECTION	DOG LEG
8078.00	95.50	354.30	7401.95	894.02 N	147.31 E	903.04	2.02
8109.00	95.30	355.20	7399.04	924.77 N	145.12 E	933.46	1.44
8140.00	94.60	354.70	7396.36	955.53 N	142.40 E	963.91	2.77
8179.00	95.30	355.10	7393.00	994.23 N	135.94 E	1002.20	2.07
8210.00	95.60	354.30	7390.05	1024.96 N	136.09 E	1032.60	2.75
8239.00	96.20	354.20	7387.07	1053.66 N	133.20 E	1060.97	2.10
8272.00	95.80	353.20	7383.62	1086.28 N	129.60 E	1093.20	3.25
8303.00	94.50	355.30	7380.84	1117.00 N	126.51 E	1123.57	7.94
8335.00	92.80	355.70	7378.80	1148.83 N	124.00 E	1155.09	5.46
8366.00	91.50	356.50	7377.64	1179.74 N	121.90 E	1185.73	4.32
8398.00	91.70	357.10	7376.75	1211.68 N	120.11 E	1217.42	1.03
8429.00	89.90	356.80	7376.31	1242.63 N	118.46 E	1248.14	5.89
8460.00	87.40	359.00	7377.04	1273.59 N	117.33 E	1278.91	10.74
8491.00	87.00	357.20	7378.56	1304.54 N	116.30 E	1309.67	5.94
8523.00	86.70	357.20	7380.32	1336.45 N	114.74 E	1341.35	0.94
8554.00	86.80	358.80	7382.07	1367.38 N	113.66 E	1372.10	5.16
8585.00	88.30	359.60	7383.40	1398.35 N	113.23 E	1402.93	5.48
8616.00	88.50	359.30	7384.26	1429.34 N	112.93 E	1433.79	1.16
8648.00	88.30	359.40	7385.16	1461.32 N	112.57 E	1465.64	0.70
8679.00	88.90	0.70	7385.91	1492.31 N	112.59 E	1496.53	4.62
8710.00	92.50	0.80	7385.54	1523.30 N	113.00 E	1527.45	11.62
8742.00	92.50	0.90	7384.14	1555.27 N	113.47 E	1559.35	0.31
8773.00	92.10	1.00	7382.90	1586.24 N	113.99 E	1590.26	1.33
8804.00	92.50	2.00	7381.65	1617.20 N	114.80 E	1621.19	3.47
8836.00	91.90	0.90	7380.42	1649.17 N	115.61 E	1653.12	3.91
8867.00	91.50	1.10	7379.50	1680.15 N	116.15 E	1684.04	1.44
8897.00	92.00	0.70	7378.59	1710.13 N	116.62 E	1713.97	2.13
8928.00	91.80	359.60	7377.56	1741.11 N	116.70 E	1744.35	3.60
8960.00	91.50	1.00	7376.64	1773.10 N	116.87 E	1776.75	4.47
8991.00	91.60	0.30	7375.80	1804.09 N	117.22 E	1807.66	2.28
9023.00	88.70	1.80	7375.72	1836.08 N	117.80 E	1839.59	10.20
9054.00	89.50	0.30	7376.20	1867.07 N	118.37 E	1870.53	5.48
9086.00	88.70	0.70	7376.71	1899.06 N	118.65 E	1902.44	2.80
9118.00	87.90	358.40	7377.66	1931.04 N	118.40 E	1934.30	7.61
9150.00	88.70	357.30	7378.60	1963.01 N	117.20 E	1966.06	4.25
9181.00	88.70	356.80	7379.31	1993.96 N	115.61 E	1996.78	1.61
9213.00	89.80	355.20	7379.73	2025.88 N	113.37 E	2028.42	6.07
9243.00	88.10	355.70	7380.28	2055.77 N	110.99 E	2058.03	5.91
9275.00	87.10	355.40	7381.62	2087.65 N	108.51 E	2089.60	3.26
9306.00	86.80	355.10	7383.27	2118.50 N	105.95 E	2120.14	1.37

SPERRY-SUN DRILLING SERVICES
DIRECTIONAL SURVEY REPORT

MERIDIAN OIL INC.
HATCH PT. FED. 22-33 H

SEPTEMBER 11, 1991
CA-MW-10195

MEASURED DEPTH	ANGLE DEG	DIRECTION DEG	VERTICAL DEPTH	LATITUDE FEET	DEPARTURE FEET	VERTICAL SECTION	DOG LEG
9335.00	87.00	356.40	7385.00	2150.36 N	103.50 E	2151.70	3.18
9369.00	87.00	354.50	7386.87	2181.21 N	100.96 E	2182.24	5.19
9400.00	87.00	356.20	7387.97	2212.03 N	98.45 E	2212.81	5.65
9432.00	87.40	354.90	7389.87	2243.95 N	95.97 E	2244.87	4.11
9463.00	87.60	356.70	7390.72	2274.84 N	93.70 E	2274.98	5.34
9495.00	88.00	356.20	7391.95	2306.75 N	91.72 E	2306.63	2.00
9527.00	88.30	355.00	7392.98	2338.64 N	89.27 E	2338.21	3.88
9559.00	89.20	355.50	7393.51	2370.52 N	86.56 E	2369.77	4.76
9590.00	89.60	352.70	7393.67	2401.35 N	83.32 E	2400.24	8.11
9621.00	89.50	354.90	7393.92	2432.16 N	79.98 E	2430.68	7.10
9653.00	89.30	354.30	7394.25	2464.02 N	76.97 E	2462.19	1.98
9685.00	89.40	353.70	7394.62	2495.84 N	73.62 E	2493.54	1.90
9717.00	89.80	354.20	7394.84	2527.66 N	70.25 E	2525.08	2.00
9748.00	90.00	354.50	7394.89	2558.51 N	67.20 E	2555.59	1.16
9779.00	89.90	353.20	7394.92	2589.33 N	63.88 E	2586.04	4.21
9811.00	90.30	353.70	7394.86	2621.12 N	60.23 E	2617.43	2.00
9843.00	90.20	354.00	7394.72	2652.94 N	56.80 E	2648.87	0.99
9875.00	90.20	353.40	7394.61	2684.75 N	53.29 E	2680.29	1.87
9906.00	89.60	354.00	7394.67	2715.56 N	49.88 E	2710.72	2.74
9937.00	90.10	353.50	7394.75	2746.37 N	46.51 E	2741.17	2.38
9969.00	89.70	353.70	7394.80	2778.17 N	42.94 E	2772.57	1.40
10001.00	87.90	354.10	7395.47	2809.98 N	39.54 E	2804.01	5.76
10032.00	87.50	353.60	7396.72	2840.78 N	36.22 E	2834.43	2.66
10063.00	89.70	353.10	7397.48	2871.56 N	32.64 E	2864.82	7.28
10093.00	88.40	352.10	7397.97	2901.31 N	28.77 E	2894.16	5.47
10124.00	88.30	351.50	7398.87	2931.98 N	24.35 E	2924.37	1.96
10158.00	88.40	350.60	7399.84	2965.55 N	19.07 E	2957.41	2.66

THE DOGLEG SEVERITY IS IN DEGREES PER 100 FEET
THE VERTICAL SECTION WAS COMPUTED ALONG 4.63x (TRUE)

BASED UPON MINIMUM CURVATURE TYPE CALCULATIONS. THE BOTTOM HOLE
DISPLACEMENT IS 2965.61 FEET, IN THE DIRECTION OF 0.37x (TRUE)

A DECLINATION OF 12.8 DEGREES EAST HAS BEEN APPLIED.

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.
UT-67568

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

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

8. Well Name and No.
22-33H Hatch Point Federal

9. API Well No.
43-037-31630

10. Field and Pool, or Exploratory Area
Wildcat

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

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) 930-9403

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
**2595' FNL, 2070' FWL
Sec. 33-T27S-R21E**

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 checked="" type="checkbox"/> Abandonment <input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion <input type="checkbox"/> New Construction
<input checked="" 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 type="checkbox"/> Other _____ <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.)*

The above captioned well location was reclaimed and seeded in the Fall of 1992 according to BLM specifications. After final inspection, Meridian requests that the bond be released on this location.

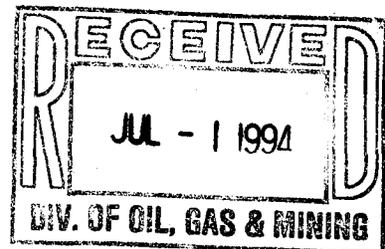
14. I hereby certify that the foregoing is true and correct.

Signed *Eileen Danni Dey* Title Regulatory Compliance Adm. Date 6/24/94

(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.



07/19/94

D E T A I L W E L L D A T A

menu: opt 00

api num: 4303731630 prod zone: CNCR sec twnshp range qr-qr
entity: 11250 : HATCH PT FED 22-33H 33 27.0 S 21.0 E SENW

well name: HATCH POINT FED 22-33H

operator: N7230 : MERIDIAN OIL INC

meridian: S

field: 2 : UNDESIGNATED

confidential flag: confidential expires:

alt addr flag:

* * * application to drill, deepen, or plug back * * *

lease number: UT-67568

lease type: 1

well type: GW

surface loc: 2595 FNL 2070 FWL

unit name:

prod zone loc: 0370 FSL 2089 FWL

depth: 9700

proposed zone: CNCR

elevation: 5617' KB

apd date: 910705

auth code: R615-3-3

* * completion information * *

date recd: 911209

la/pa date:

spud date: 910720

compl date: 911003

total depth: 10200'

producing intervals: 8143-10125'

bottom hole: 0370 FSL 2089 FWL

first prod: 911002

well status: SGW

24hr oil: 10 24hr gas:

24hr water: 10

gas/oil ratio:

* * well comments:

api gravity:

910731 ENTITY ADDED:920507 INT PA:920513 OPER FR MERIDIAN EFF 3/92:920515

OPER FR EXXON EFF 4/92:921103 CONF STAT EXP:HORIZONTAL WELL BORE;BHL SEC 28:

opt: 21 api: 4303731630 zone: CNCR date(yy-mm): enty acct: