

MERIDIAN OIL

June 23, 1987

RECEIVED
JUN 25 1987

DIVISION OF
OIL, GAS & MINING

State of Utah Natural Resources
Oil, Gas and Mining
355 W. North Temple
3 Triad center, Ste 350
Salt Lake City, Utah 84180-1203

Attention: Arlene Sollis

Re: Application for Permit to Drill
13-35 E. Mountain-Federal
NWSW Section 35-16S-6E
Federal Lease No. U-56933

Gentlemen:

Enclosed are three copies of Form 3160-3, Application for Permit to Drill with attachments for the above referenced location.

Please be advised that Meridian Oil Inc. requests that all pertinent data for this location be granted TIGHT HOLE status.

If you have any questions, please do not hesitate to call me at 406-256-4122.

Sincerely,



Suzann S. Nelson
Sr. Operations Technician

/ssn/1423N

Encl

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

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
P. O. Box 1855, Billings, MT 59103

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface NWSW (1626' FSL - 644' FWL)

At proposed prod. zone
Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 644'

16. NO. OF ACRES IN LEASE
499.12

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. -

19. PROPOSED DEPTH
6100' *Jensen*

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
8759' GL

22. APPROX. DATE WORK WILL START*
September 1, 1987

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
26	20	94	80±	200 sx "G", cmt to sfc
17½	13-3/8	48	500	350 sx "G", cmt to sfc
8-3/4	7	20	4500	100 sx "G", top of cmt
8-3/4	7	23	6100	@ 5400'

CONFIDENTIAL INFORMATION

Oil and Gas Order #1
Attachments:
Eight Point Drilling Program
Thirteen Point Surface Use Plan

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 *C.W. Byerly* TITLE Sr. Drilling Engineer DATE 6/22/87
(This space for Federal or State office use)

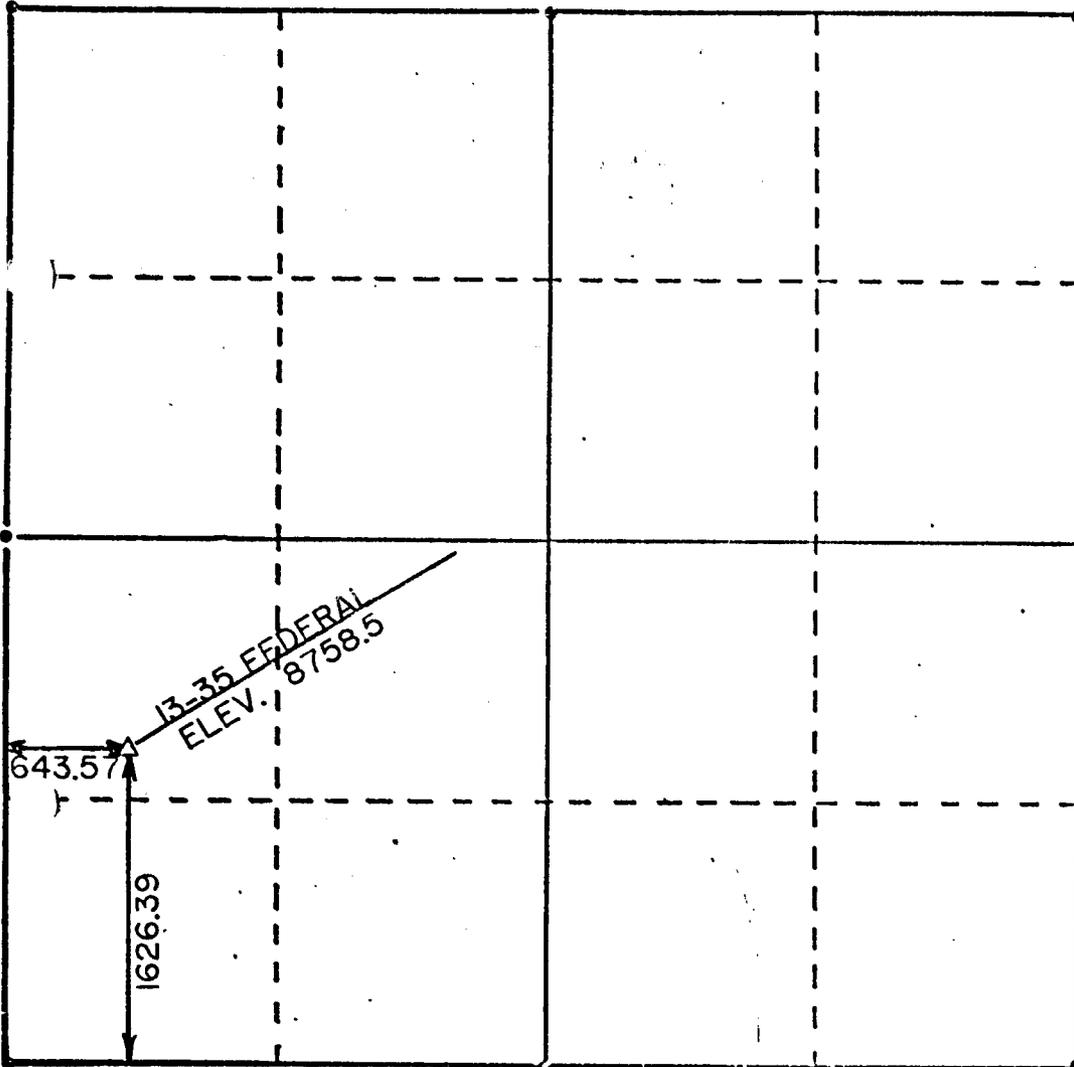
PERMIT NO. 43-015-30230 APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE: _____ BY: _____

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS AND MINING
DATE: *8/14/87*
BY: *[Signature]*
WELL SPACING: *R615-3-3*

*See Instructions On Reverse Side

SECTION 35, T. 16 S., R. 6 E., SLM



CERTIFICATE

I, Lee Mont Swasey A LICENSED SURVEYOR,
LEE MONT SWASEY

HOLDING UTAH CERTIFICATE No. 6108, DO HEREBY CERTIFY THAT THE PLAT SHOWN HEREON HAS BEEN PREPARED FROM A FIELD SURVEY MADE UNDER MY DIRECTION AND CORRECTLY SHOWS THE DIMENSIONS AND MONUMENTS OF THE PROPERTY DESCRIBED TO THE BEST OF MY KNOWLEDGE AND BELIEF.

NO. 6108
LEE MONT SWASEY

DESCRIPTION

13-35 FEDERAL- LOCATED 1626.39 FEET FROM THE SOUTH LINE AND 643.57 FEET FROM THE WEST LINE OF SECTION 35, T. 16 S., R. 6 E., SLM

BASIS OF BEARING

NORTH BETWEEN THE SOUTH WEST CORNER AND THE NORTHWEST CORNER OF SECTION 35, T. 16 S., R. 6 E., SLM.

LEGEND

- DENOTES SECTION OR QUARTER CORNER
- △ DENOTES LOCATED WELL LOCATION

SECTION	TOWNSHIP	RANGE	DATE	SCALE	SURVEY FOR		
35	16 S	6 E	6/16/87	1"=1000	MERIDIAN OIL, BILLINGS MONTANA		
BLOCK	PLAT	SURVEY				P.O. BOX 1855	
JOHANSEN & TUTTLE ENGR. INC.					CASTLE DALE, UTAH		

1554N

C O N F I D E N T I A L I N F O R M A T I O N

OIL AND GAS ORDER NO. 1

MERIDIAN OIL INC.

LEASE NAME: 13-35 E. Mountain-Federal

LEASE NO. U-56933

LOCATION: NWSW Section 35-16S-6E

1626' FSL - 644' FWL

Emery County, Utah

E. Mountain Unit

A. EIGHT POINT DRILLING PROGRAM

1.& 2. Estimated Tops:

Price River	Surface/+8760'	
Black Hawk	320'/+8450'	
Star Point	920'/+7850'	water
Mancos	1320'/+7450'	
Emery	2520'/+6250'	water
Blue Gate	4100'/+4670'	
Ferron	5800'/+2970'	gas
TD	6100'	

3. Pressure Control Equipment:

- a. A 3000 psi WP double gate preventer equipped with blind and pipe rams and a 3000 psi WP rotating head will be installed and in service from 500' to TD.
- b. 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 preventor 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. The Resource Area will be notified 1 day in advance when pressure tests are to be conducted.

4. Casing program:

Anticipated cement tops will be reported as to depth, not the expected number of sacks. The Resource Area will be notified 1 day before running casing strings and cement.

C O N F I D E N T I A L I N F O R M A T I O N

<u>Hole Size</u>	<u>Size</u>	<u>Depth</u>	<u>Casing</u>				<u>Cementing Program</u>
			<u>Weight</u>	<u>Grade</u>	<u>Thrd</u>	<u>Cond</u>	
26"	20"	80+	94#	H-40	ST&C	New	200 sx "G", cmt to sfc
17-1/2"	13-3/8"	500	48#	H-40	ST&C	New	350 sx "G", cmt to sfc
8-3/4"	7"	4500	20#	K-55	ST&C	New	100 sx "G", Top of cmt
8-3/4"	7"	6100	23#	K-55	ST&C	New	@ 5400'

5. Proposed drilling mud program:

0 - 500' - Spud Mud
500 - 6100' - Air/mist/foam Will mud up w/fresh water/gel system if hole gets wet.

Blooie line will be misted to reduce fugative dust when air drilling.

6. Testing program:

DST - Ferron - Possible

Logging program:

DIL/SFL/GR/SP TD - Base surface casing
LDT/CNL/GR TD - 5600'
BHC Sonic/GR TD - Base surface casing if mudded up @ TD

Coring program:

60' core - Ferron

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 not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analysis, 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 gases) will be submitted when requested by the Moab District Manager.

C O N F I D E N T I A L I N F O R M A T I O N

7. Anticipated abnormal BHP or BHT:

Shallow water flow; lost circulation. Maximum expected BHP = 1300 psi.

Potentially hazardous conditions anticipated:

No H₂S has been found, reported or is known to exist at these depths in this area.

8. Anticipated Starting Dates and Notifications of Operations

The operator will contact the San Rafael Resource Area at 801-637-4584, Price, Utah, 48 hours before beginning any dirt work on this location.

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the District Manager. If operations are to be suspended, prior approval of the District Manager will be obtained and notification given before resumption of operations.

The spud date will be reported orally to the Area Manager, a minimum of 24 hours before spudding. Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the District Office within 24 hours after spudding. If the spudding occurs on a weekend or holiday, the written report will be submitted on the following regular work day.

In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 9-329 "Monthly Report of Operations," starting with the month in which operations begin and continue each month until the well is physically plugged and abandoned. This report will be filed directly with the BLM District Office, P. O. Box 970, Moab, Utah 84532.

Immediate Report: 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.

If a replacement rig is planned for completion operations, a Sundry Notice (Form 3160-5) to that effect will be filed, for prior approval of the District Manager, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig. In emergency situations, verbal approval to bring on a replacement rig will be approved by the District Petroleum Engineer.

Should the well be successfully completed for production, the District Manager will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than 5 business days following the date on which the well is placed on production.

C O N F I D E N T I A L I N F O R M A T I O N

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

No well abandonment operations will begin without the prior approval of the District Manager. In the case of newly drilled dry holes or failures, and in emergencies, oral approval will be obtained from the District Petroleum Engineer. A "Subsequent Report of Abandonment" (Form 3160-5), will be filed with the District Manager, within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the Area Manager, or 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".

C O N F I D E N T I A L I N F O R M A T I O N

B. THIRTEEN POINT SURFACE USE PLAN

1. Existing Roads (Yellow)

- a. Location of proposed well in relation to town or other reference point: Approximately 6-1/2 miles west on Hwy 29 from Orangeville, Utah, 7-1/2 miles north on Cottonwood Canyon Rd. (See attached Exhibit "1").
- b. Proposed route to location. (See attached Exhibit "1").
- c. Other: 6" - 14' wide of 2" gravel from end of existing improvements at Winks Canyon to Marinus Canyon.

2. Roads to be Constructed and Reconstructed (Blue)

- a. Access road will be inspected between the Bureau of Land Management and the dirt contractor prior to any work being done.
- b. The maximum total disturbed width will be 12 feet.
- c. Maximum grade is 8%
- d. Any turnouts will be shown on attached road design, plan and profile.
- e. Road is centerline flagged.
- f. Drainage will be established as needed.
- g. Other: 2" - 12' wide of 2" gravel from end of existing improvements at Marinus Canyon to location.

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.

3. Location of Existing Wells (1 mile radius)

- a. Indian Creek #1 - 3/4 mi south, Indian Creek #3 - 1-1/2 mi south, Indian Creek #5 - 2 mi south; Indian Creek #2 - 3-1/4 mi south. (See attached Exhibit "1").

C O N F I D E N T I A L I N F O R M A T I O N

4. Location of Existing and/or Proposed Facilities if Well is Productive

All permanent (onsite for 6 months or longer) structures constructed or installed (including oil well pump jacks) will be painted a flat, nonreflective, earth tone color to match the standard environmental colors, as determined by the Rocky Mountain Five-State Interagency Committee. All facilities will be painted within six (6) months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded. The color will be Desert Tan/Chesnut brown trim.

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 battery.

All loading lines will be placed inside the berm surrounding the tank battery.

All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the District Manager.

All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.

Gas meter runs for each well will be located within five hundred (500) feet of the wellhead. The gas flowline will be buried from the wellhead to the meter along with any other sections occurring on the pad. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place before any deliveries. Tests for meter accuracy will be conducted monthly for the first 3 months on new meter installations and at least quarterly thereafter. The Area Manager will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Area Manager. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

Proposed tank battery layout Exhibit "4" is attached.

5. Location and Type of Water Supply

All water needed for drilling purposes will be obtained from Cottonwood Creek @ Trail Mountain Coal Mine.

C O N F I D E N T I A L I N F O R M A T I O N

A temporary water use permit for this operation will be obtained from the Utah State Engineer, (801) 637-1303 and by receiving permission from the landowner or surface management agency to use the land containing the water source.

6. Source of Construction Materials

Native soil materials from drilling location and access trail, which is available, will be used. Any additional materials needed will be hauled in from authorized commercial sources.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3. Source of construction material will not be located on lease.

7. Methods for Handling Waste Disposal

The reserve pit will be lined with sodium bentonite.

Three sides of the reserve pit will be fenced with three strands of barbed wire before drilling starts. The fourth side will be fenced as soon as the drilling is completed. The fence will be kept in good repair while the pit is drying.

All trash must be contained and disposed of by hauling to the nearest disposal. No burning will be required.

Produced waste water will be confined to a lined pit for a period not to exceed 90 days after initial production. During the 90 day period, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the District Manager's approval pursuant to Onshore Oil and Gas Order No. 3 (NTL-2B).

A portable toilet will be provided on location for personnel.

8. Ancillary Facilities

Camp facilities will not be required.

9. Well Site Layout

Rig layout is shown on attached Exhibit "9a".

The reserve pit will be located on the northeast end of the well pad on the cut side.

C O N F I D E N T I A L I N F O R M A T I O N

The top 18 inches of soil material will be removed from the location and stockpiled separately on the northwest end of location. Topsoil along the access road will be reserved in place adjacent to the road.

Access to the well pad will be from the northwest side of the pad.

10. Reclamation:

- a. Immediately upon completion of drilling, the location and surrounding area will be cleared of all remaining debris, materials, trash and junk not required for production.
- b. Before any dirt work to restore the location takes place, the reserve pit must be completely dry.
- c. The operator or his contractor will contact the Resource Area office in Moab, Utah, (801) 259-6111 48 hours before starting reclamation work that involves earthmoving equipment and upon completion of restoration measures.
- d. All disturbed areas will be recontoured to the approximate natural contours.
- e. The stockpiled topsoil will be spread evenly over the disturbed areas.
- f. Prior to reseeding, all disturbed areas, including the access roads, will be scarified and left with a rough surface.
- g. Seed will be broadcast or drilled at a time specified by the BLM. If broadcast, a harrow or some other implement will be dragged over the seeded area to assure seed coverage.
- h. The seed mixture will be as per Forest Service direction.
- i. The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed.

11. Surface Ownership: USDA Forest Service
Mineral Ownership: Federal

12. Other Information

There will be no deviation from the proposed drilling and/or workover program without prior approval from the District Manager. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, or abandoned, will be identified in accordance with 43 CFR 3162.2.

C O N F I D E N T I A L I N F O R M A T I O N

"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 3164.

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

A cultural resource clearance was performed by Abajo Archaeology in May, 1987. If any cultural resources are found during construction, all work will stop immediately and the Area Manager will be notified.

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

Your contact with the District Office is: Merv Miles
Office Phone: 801-637-4584
City/State Price, Utah

13. Lessee or Operator's Field Representative and Certification

Meridian Oil Inc.
P. O. Box 1855
Billings, Montana 59103

1.	Johnny Wright	Drilling Supt.	406-256-4175	406-252-2889
2.	Steve Cruickshank	Drilling Eng.	406-256-4164	406-252-0701
3.	Doug Harris	Reg. Drlg Eng.	406-256-4025	
4.	Charlie Byerly	Sr. Drlg Eng.	406-256-4077	406-962-3382
5.	John Pulley	Compl. Supt.	406-256-4124	406-259-6156

CERTIFICATION:

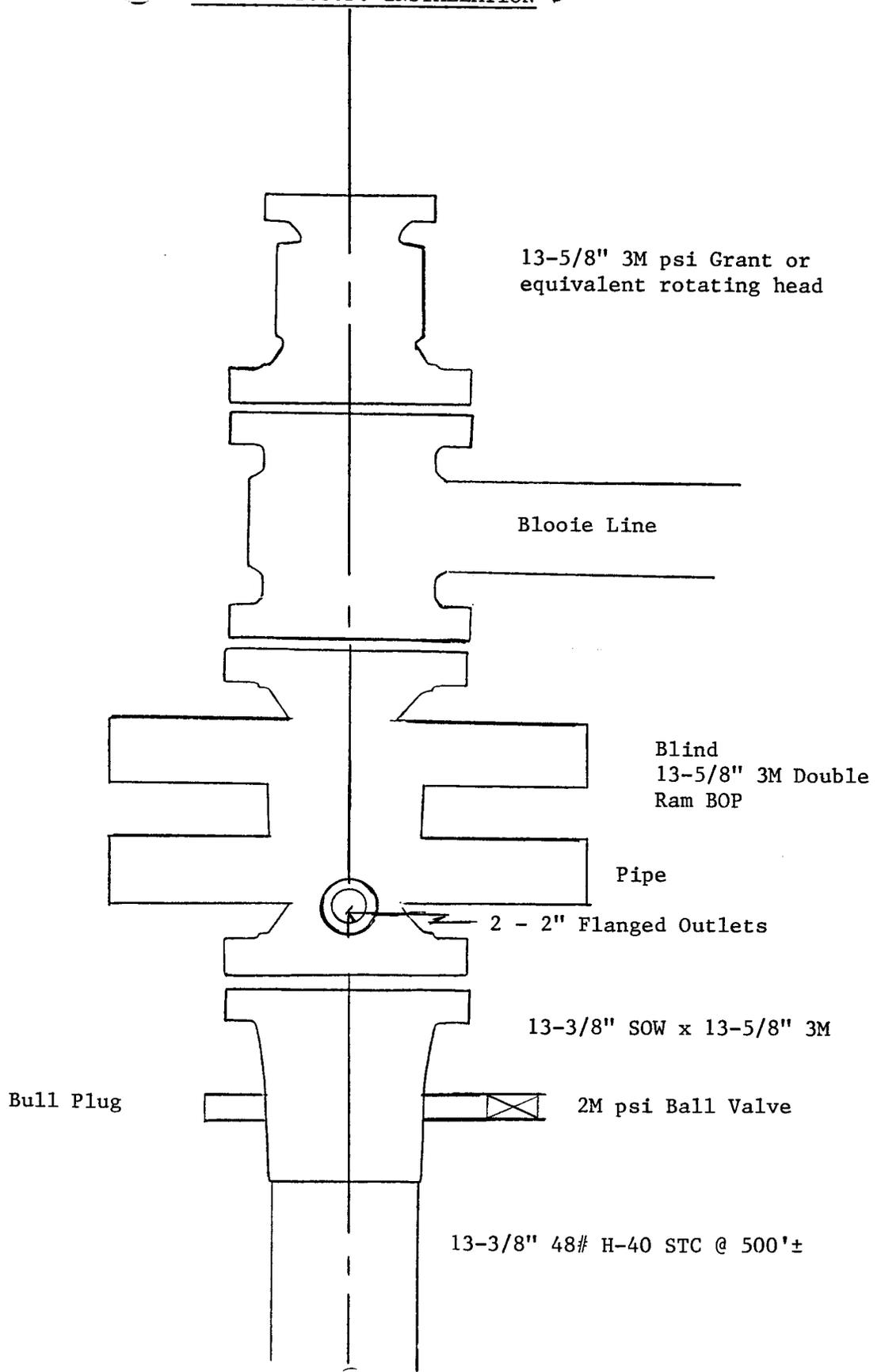
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct, and, that the work associated 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.

Approved: _____


Charles W. Byerly
Sr. Drilling Engineer

Date: 6-22-87

TYPICAL B.O.P. INSTALLATION



Series 900 Double Gate B.O.P.,
rated at 3000 psi Working Pressure

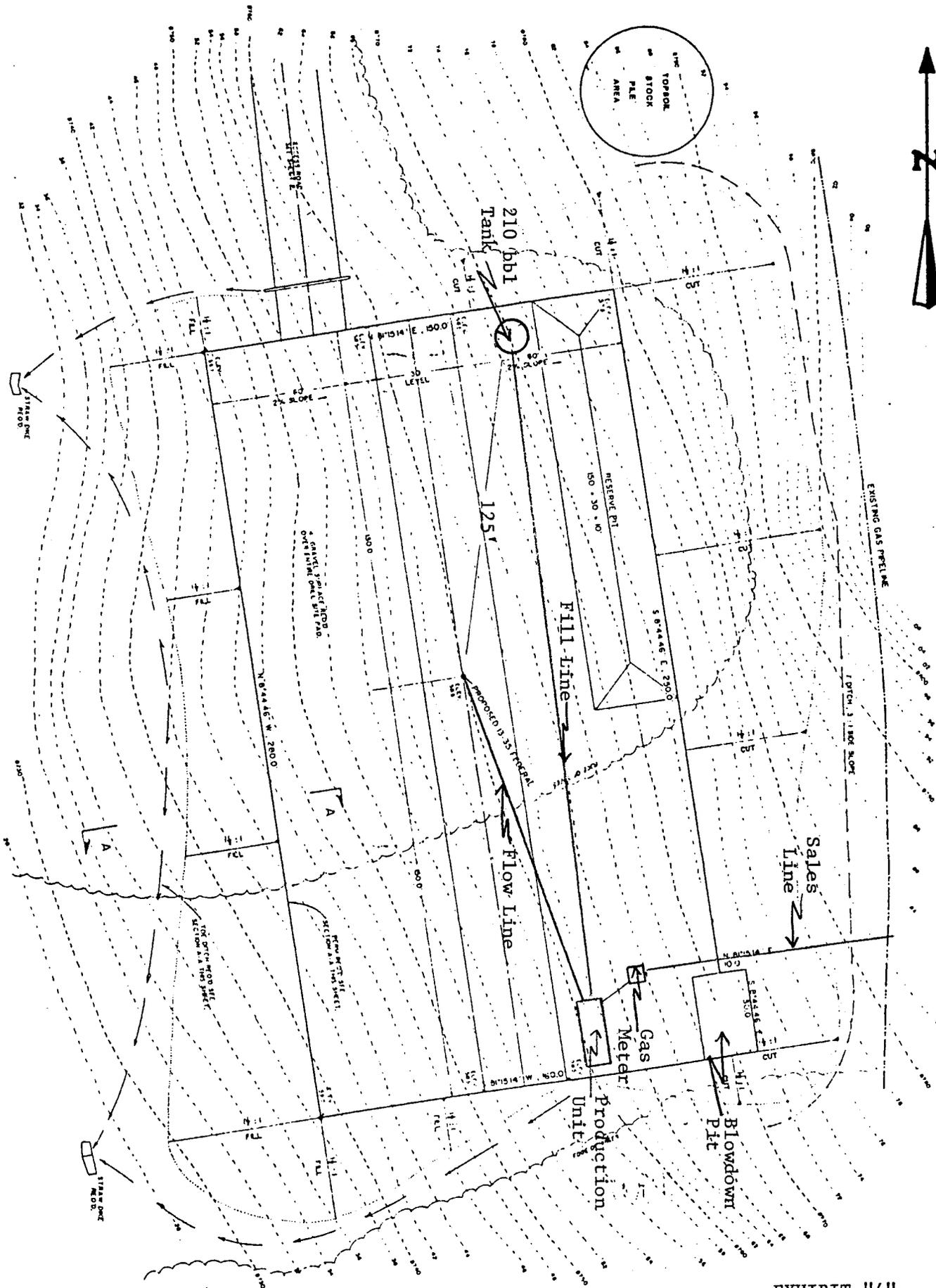


EXHIBIT "4"
Battery Layout

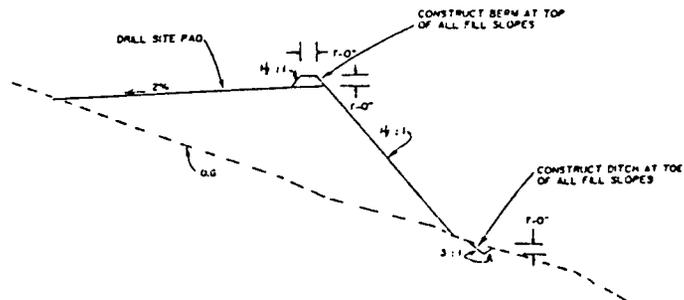
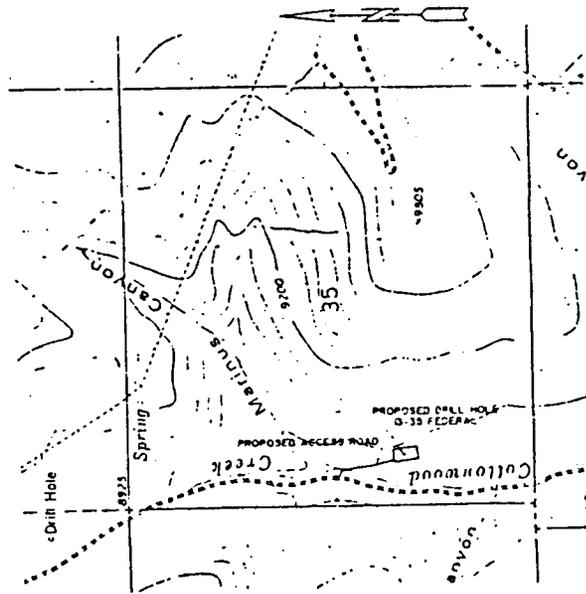
DRILL HOLE LOCATION

13-35 FEDERAL

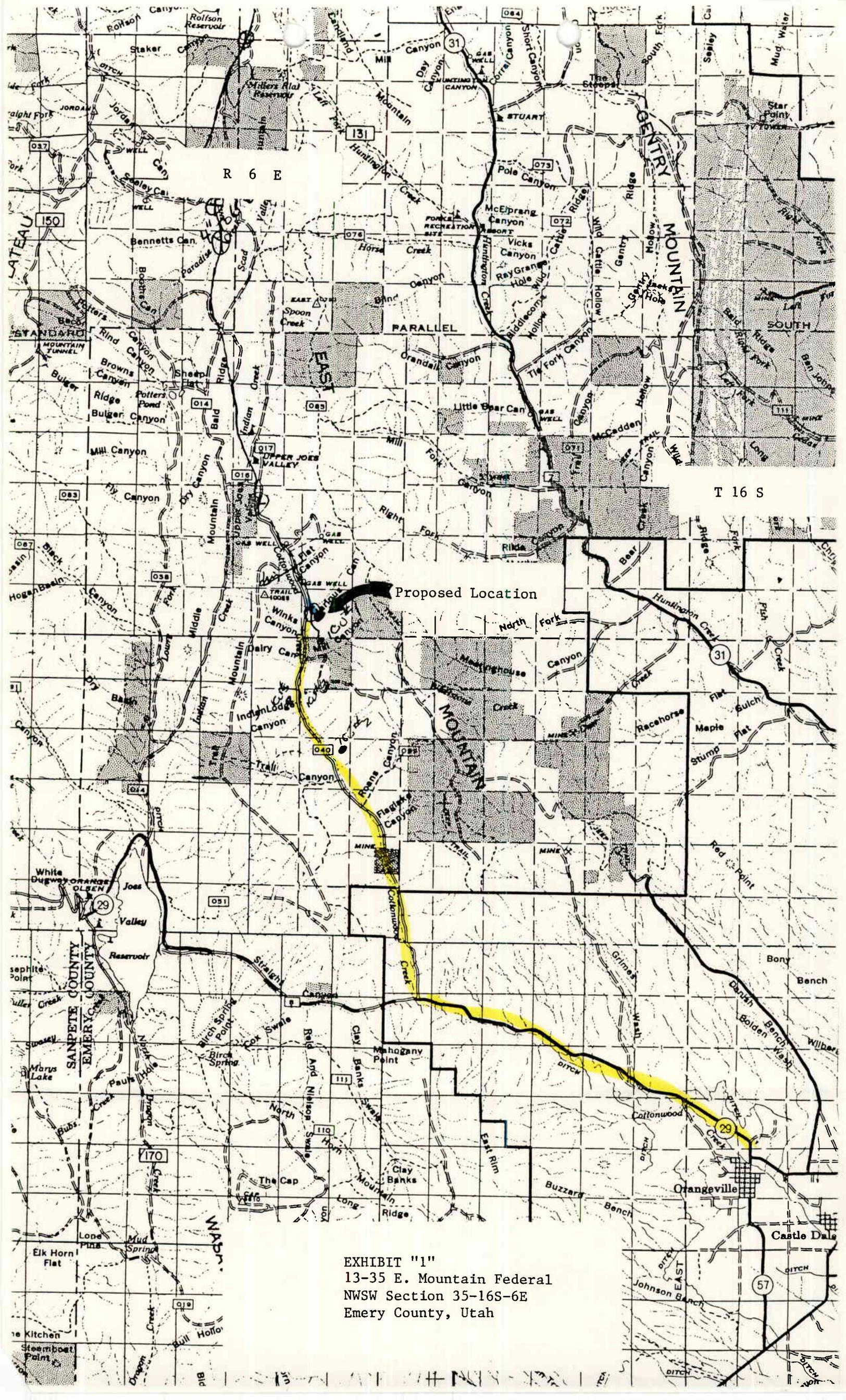
Located 1626.39 feet from the SOUTH
line and 643.57 feet from the WEST line
of Section 35, T. 16 S., R. 6 E., SLM

KEY MAP :

SEC. 35, T. 16 S., R. 6 E., SLM



SECTION A-A TYPICAL



Proposed Location

EXHIBIT "1"
 13-35 E. Mountain Federal
 NSW Section 35-16S-6E
 Emery County, Utah

~~CONFIDENTIAL~~ CONFIDENTIAL 082005
PERIOD EXPIRED
ON 1-15-89

OPERATOR Meridian Oil DATE 7-2-87
WELL NAME E. Mountain Federal #13-35
SEC ^{NW} 35 T 16S R 6E COUNTY Emery

43-015-30230
API NUMBER

Fed.
TYPE OF LEASE

CHECK OFF:

- | | | |
|---|---|---|
| <input checked="" type="checkbox"/> PLAT | <input checked="" type="checkbox"/> BOND | <input checked="" type="checkbox"/> NEAREST WELL |
| <input checked="" type="checkbox"/> LEASE | <input checked="" type="checkbox"/> FIELD | <input checked="" type="checkbox"/> POTASH OR OIL SHALE |

PROCESSING COMMENTS:
No other well in Sec. 35 or 34 - Unit not
Need water permit
Exception received 8/14/87 -

APPROVAL LETTER:

SPACING: 203 _____ UNIT _____ 302
 _____ CAUSE NO. & DATE _____ R615-3-3
302.1

STIPULATIONS:

1- Water

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

SUBMIT IN TRIPlicate
(Other instructions on
reverse side)

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
MERIDIAN OIL INC.

3. ADDRESS OF OPERATOR
P. O. Box 1855, Billings, MT 59103

4. LOCATION OF WELL (Report location clearly and in accordance with any State laws.
See also space 17 below.)
At surface
NWSW (1626' FSL - 644' FWL)

14. PERMIT NO. _____

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
8759' GL

RECEIVED
JUL 16 1987

5. LEASE DESIGNATION AND SERIAL NO.
U-56933

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

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
E. Mountain-Federal

9. WELL NO.
13-35

10. FIELD AND POOL, OR WILDCAT
East Mountain Unit

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 35-16S-6E

12. COUNTY OR PARISH
Emery

13. STATE
Utah

072004

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 checked="" type="checkbox"/> Design	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) _____	

(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.)*

Casing Design:

Casing

Hole Size	Casing Size	Depth	Weight	Grade	Thrd	Cond	Cementing Program
17-1/2"	13-3/8"	80'±	48#	H-40	ST&C	New	110 sx "G", cmt to surface
12-1/4"	9-5/8"	1400'	32.30#	H-40	ST&C	New	270 sx Lite, 212 sx "G", cmt to surface
8-3/4"	7"	4500'	20#	K-55	ST&C	New	100 sx "G", Top of
8-3/4"	7"	6100'	23#	K-55	ST&C	New	cmt @ 5400'

Proposed drilling mud program:

0 - 1400' - Spud Mud
1400'- 6100' - Air/mist/foam. Will mud up w/fresh water/gel system if hole gets wet.
Blooie line will be msited to reduce fugative dust when air drilling.

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

SIGNED D.R. Harris TITLE Reg. Drilling Engineer DATE 7/14/87

(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

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

STATE OFFICE: Moab, Utah 84532
SERIAL NO.: U-56932

and hereby designates

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

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the authorized officer may serve written or oral instructions in securing compliance with the Operating Regulations (43 CFR 3160) with respect to (describe acreage to which this designation is applicable):

Township 16 South-Range 6 East, SLM
Section 34: Lots 1-4, S/2N/2, N/2S/2

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the authorized officer of any change in the designated operator.

EXXON CORPORATION

By: 
(Signature of lessee)
C. H. Dunbar - Attorney-in-Fact
P. O. Box 2305
Houston, TX 77252


August 10, 1987

(Date)

(Address)

This form does not constitute an information collection as defined by 44 U.S.C. 3502 and thereto does not require OMB approval.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO. U-56933

6. IF INDIAN, ALLOTTED OR RESERVE LAND N/A **082410**

7. UNIT AGREEMENT NAME N/A

8. FARM OR LEASE NAME E. Mountain-Federal

9. WELL NO. 13-35

10. FIELD AND POOL, OR WILDCAT East Mountain Unit

11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA Section 35-16S-6E

12. COUNTY OR PARISH Emery 13. STATE Utah

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 644'

16. NO. OF ACRES IN LEASE 499.12

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. -

19. PROPOSED DEPTH 6100'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 8759' GL

22. APPROX. DATE WORK WILL START* September 1, 1987

RECEIVED

AUG 14 1987

DIVISION OF OIL GAS & MINING

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
26	20	94	80±	200 sx "G", cmt to sfc
17½	13-3/8	48	500	350 sx "G", cmt to sfc
8-3/4	7	20	4500	100 sx "G", top of cmt
8-3/4	7	23	6100	@ 5400'

CONFIDENTIAL

RECEIVED
MOUNTAIN FEDERAL OFFICE
AUG 25 AM 9:35

Oil and Gas Order #1
Attachments:
Eight Point Drilling Program
Thirteen Point Surface Use Plan

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 *CVB* TITLE Sr. Drilling Engineer DATE 6/22/87

(This space for Federal or State office use)

PERMIT NO. 43-015-30030 APPROVAL DATE AUG 10 1987
/s/ Kenneth V. Rhea Acting DISTRICT MANAGER

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

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

CONDITIONS OF APPROVAL ATTACHED

*See Instructions On Reverse Side

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

State of Utah - DOGM

MERIDIAN OIL

RECEIVED

AUG 14 1987

**DIVISION OF OIL
GAS & MINING**

August 7, 1987

Division of Oil, Gas and Mining
Department of Natural Resources
State of Utah
355 West North Temple
III Triad Center, Suite 350
Salt Lake City, UT 84108-1203

Attention: Mr. Ron Firth

**APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING**
DATE: 8/14/87
BY: [Signature]

**RE: Request for Exception
13-35 East Mountain Federal
NW/4SW/4 Sec. 35, T16S-R6E
1626' FSL, 644' FWL
Emery County, Utah**

Dear Mr. Firth:

Meridian Oil Inc. has submitted an APD for the drilling of the captioned well which is currently pending approval by the BLM and your office. On August 10, 1987, we will be submitting the East Mountain Unit Agreement to the BLM for approval.

It is our understanding that an exception location approval is not required within a Federal Unit. However, because it is conceivable that this well may spud prior to unit approval, we are requesting your approval of an exception location. We have discussed this matter with Ms. Arlene Sollis of your office.

The captioned well is being drilled under a farmout arrangement with Exxon Corporation, the owner of the drillsite and all of the offsetting governmental quarter-quarter sections. We are currently finalizing this agreement.

In order to satisfy rule No. 302.1(3) of the Oil and Gas Commission rules, we have requested Exxon Corporation to indicate its approval of the

Division of Oil, Gas and Mining
State of Utah
August 7, 1987
Page 2

location of the captioned well by executing this letter at the space provided below.

We appreciate your attention to this matter.

Very truly yours

MERIDIAN OIL INC.

William C. Mitchell

William C. Mitchell
Landman

Exxon Corporation hereby approves
the captioned well location.

EXXON CORPORATION

By: *C. H. Dunbar* *as*

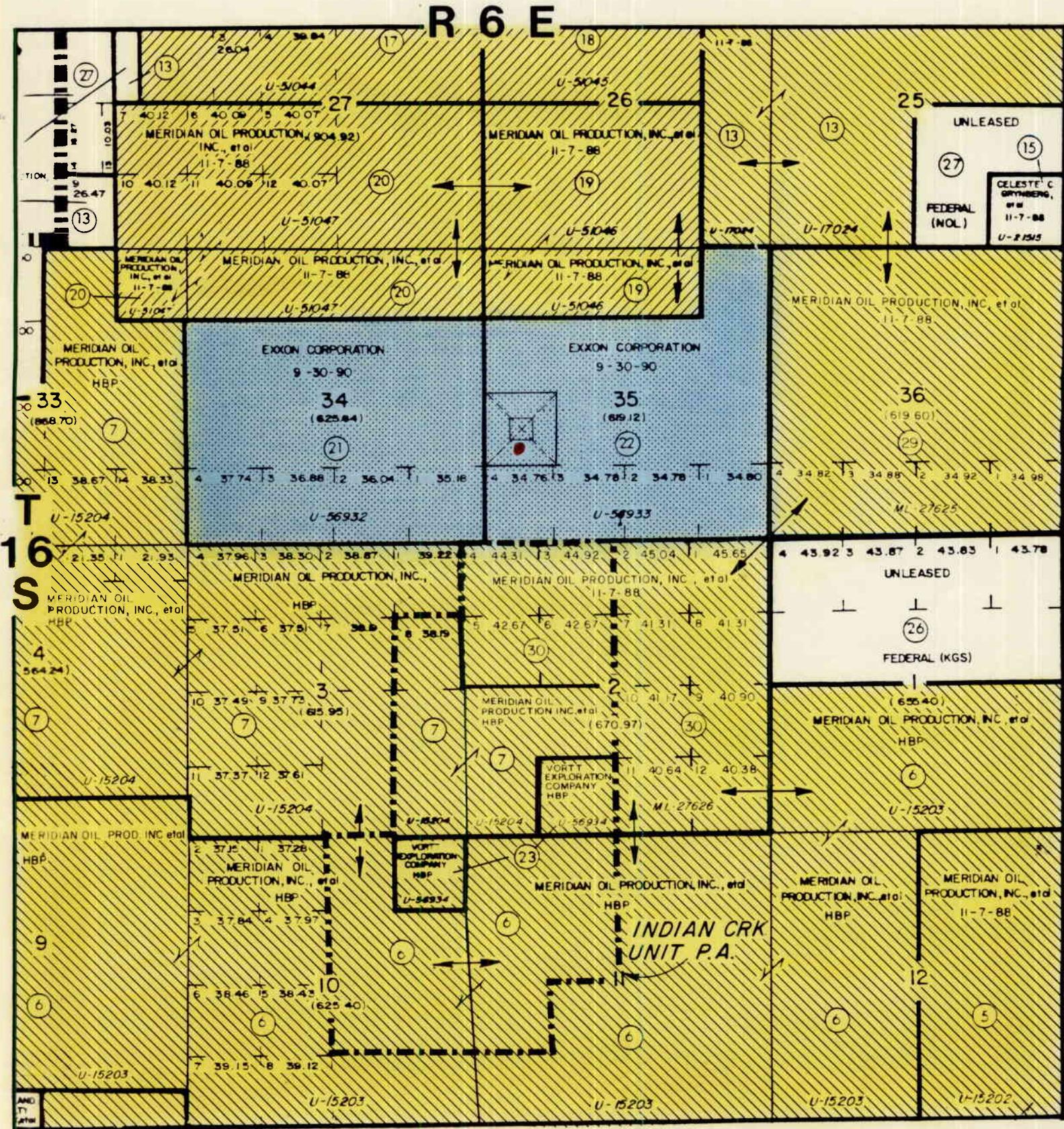
C. H. Dunbar

Title: Attorney-in-Fact

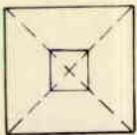
cc: Carol Freudiger, BLM - Moab, Utah
Howard Lemm, BLM - Salt Lake City
Suzann Nelson, Meridian Oil Inc. - Billings

EXHIBIT "A"

PROPOSED EAST MOUNTAIN UNIT Emery County, Utah



← LANDHOOK → LEASEHOOK



400 ft. "Window" per rule #302

	EXXON ACREAGE farmed out to Meridian et al
	MERIDIAN et al acreage

PROPOSED LOCATION
1626' FSL, 644'FWL, sec. 35
T16S-R6E

RECEIVED

AUG 14 1987

DIVISION OF OIL
GAS & MINING



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

August 14, 1987

Meridian Oil Incorporated
P. O. Box 1855
Billings, Montana 59103

Gentlemen:

Re: East Mountain Federal 13-35 - NW SW Sec. 35, T. 16S, R. 6E
1626' FSL, 644' FWL - Emery County, Utah

Approval to drill the referenced well is hereby granted in accordance with Rule R615-3-3, Oil and Gas Conservation General Rules, subject to the following stipulation:

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 Chapter 3, Title 73, Utah Code Annotated.

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

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Summittal of an Entity Action Form to the Division within five working days of the time that the well is spudded or a change in operations or interests necessitates a change in entity status.
3. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
4. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.

Page 2
Meridian Oil Incorporated
East Mountain Fedral 13-35
August 14, 1987

5. Compliance with the requirements of Rule R615-3-22, Gas Flaring or Venting, Oil and Gas Conservation General Rules.
6. Prior to commencement of the proposed drilling operations, plans for toilet facilities and the disposal of sanitary waste at the drill site shall be submitted to the local health department having jurisdiction. Any such drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of all local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 533-6163.
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 43-015-30230.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

as
Enclosures
cc: Branch of Fluid Minerals
D. R. Nielson
8159T

MERIDIAN OIL

RECEIVED

AUG 21 1987

August 18, 1987

WATER RIGHTS
PRICE

Cottonwood Creek Consolidated Irrigation Company
West State Highway 29
Castledale, Utah 84513

RECEIVED

AUG 24 1987

Re: Application to Appropriate Water
Meridian Oil Inc.
13-35 E. Mountain-Federal
NWSW Section 35-16S-6E
Emery County, Utah

DIVISION OF OIL
GAS & MINING

Dear Mr. Johanson:

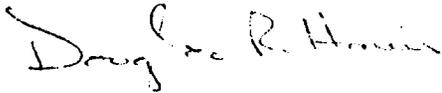
Enclosed is our check in the amount of \$800.00 to divert water for drilling the above referenced well from Little Cottonwood Creek. A location map showing the water source is also enclosed.

We will drill in September and complete the well this year.

Mark Page of the State of Utah Water Resources indicates that they require a letter from you which will verify that we have made arrangements with you to purchase water and that we will divert from Little Cottonwood Creek. In order to be able to furnish verification to the Utah Water Resources, please sign below and return one copy in the self-addressed envelope.

Please feel free to contact me at 406-256-4025 if you have any questions or problems with this.

Sincerely,



Douglas R. Harris
Regional Drilling Engineer

/ssn/1423N

Arrangements have been made with Meridian Oil Inc. to purchase water diverted from Little Cottonwood Creek to drill and complete the 13-35 E. Mountain Federal well, located NWSW section 35-16S-6E, Emery County, Utah.

John L. Jorgensen secretary *August 20, 1987*
Cottonwood Creek Consolidated Irrigation Company Date

Dear Mark,

This will indicate that we have allowed this company to use water that the Irrigation Company owns.

Meridian Oil Inc., 175 N. 27th St., P. O. Box 1855, Billings, Montana 59103, Telephone 406-256-4000

091705

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

API #43-015-30230

NAME OF COMPANY: MERIDIAN OIL INC.

WELL NAME: EAST MOUNTAIN FEDERAL 13-35

SECTION NW SW 35 TOWNSHIP 16S RANGE 6E COUNTY Emery

DRILLING CONTRACTOR AZTEC

RIG # _____

SPUDDED: DATE 9-11-87

TIME 8:00 AM

HOW Rotary

DRILLING WILL COMMENCE _____

REPORTED BY _____

TELEPHONE # _____

DATE 9-12-87 SIGNED JRB

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRICATE*
(Other instruct. on re-
verse side)

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

5. LEASE DESIGNATION AND SERIAL NO.

U-56933

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

092221

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME

E. Mountain-Federal

9. WELL NO.

13-35

10. FIELD AND POOL, OR WILDCAT

East Mountain Unit

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

Section 35-16S-6E

12. COUNTY OR PARISH 13. STATE

Emery

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
MERIDIAN OIL INC. SEP 17 1987

3. ADDRESS OF OPERATOR
P. O. Box 1855, Billings, MT 59103

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface NWSW (1626' FSL - 644' FWL)

14. PERMIT NO. 43-015-30230

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
8774' KB

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 Report

(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.)*

Aztec, Rig #124 spudded well @ 2:30 PM 9-11-87. Ran 3 jts 13-3/8" 48# K-55 STC casing. Set @ 116' KB. Cemented w/150 sx "G". Trace of cement returns. Witnessed by Merv Miles, BLM, Price.

CONFIDENTIAL INFORMATION

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

SIGNED [Signature] TITLE Sr. Operations Technician DATE 9/14/87

(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

12

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

5. LEASE DESIGNATION AND SERIAL NO.

U-56933

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A 102812

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME

E. Mountain Federal

9. WELL NO.

13-35

10. FIELD AND POOL, OR WILDCAT

East Mountain

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

Section 35-16S-6E

12. COUNTY OR PARISH
Emery

13. STATE
Utah

1a. TYPE OF WELL: OIL WELL GAS WELL DRY
b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR.

RECEIVED
OCT 20 1987

2. NAME OF OPERATOR
MERIDIAN OIL INC.

3. ADDRESS OF OPERATOR
P. O. Box 1855, Billings, MT 59103

DIVISION OF
OIL, GAS & MINING

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface NWSW (1626' FSL - 644' FWL)

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO. 43-015-30230
DATE ISSUED 8-10-87

15. DATE SPUNDED 9-11-87
16. DATE T.D. REACHED 10-1-87
17. DATE COMPL. (Ready to prod.) 10-15-87
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 8759' GL
19. ELEV. CASINGHEAD 8774' KB

20. TOTAL DEPTH, MD & TVD 6065'
21. PLUG, BACK T.D., MD & TVD 5990'
22. IF MULTIPLE COMPL., HOW MANY* N/A
23. INTERVALS DRILLED BY ROTARY TOOLS X
CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
5786' - 5816' (Ferron)
25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN
FD/EN, CBL, DIL
27. WAS WELL CORED No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	AMOUNT PULLED
13-3/8	48	116'	17-1/2"	150 SX
9-5/8	40	1400'	12-1/4"	875 SX
7	20 & 23	6063'	8-3/4"	150 SX

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
N/A				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8	5786'	-

31. PERFORATION RECORD (Interval, size and number)

6022' - 6030' w/4 jspf
CIBP @ 6000'
5786' - 5816' w/4 jspf

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6022' - 6030'	1000 gal 15% Hcl
6022' - 6030'	1500 gal 7 1/2% Hcl
5786' - 5816'	2500 gal 15% Hcl
5786' - 5816'	25165 gal 70 Q West Foam

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
10-15-87	Flowing	SIGW

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10-16-87	24	24/64		0	2041.4	0	N/A

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
655	-		0	2041.4	0	N/A

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

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 J.P. Harris TITLE Regional Drilling Engineer DATE 10/23/87

*(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
N/A			N/A	Black Hawk Star Point Mancos Emery Blue Gate Ferron	273' 873' 1,261' 2,414' 3,996' 5,782'	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or otherwise to be drilled or deepened.
Use "APPLICATION FOR PERMIT-"

RECEIVED
AUG 4 1988

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
MERIDIAN OIL INC.

3. ADDRESS OF OPERATOR
P. O. Box 1855, Billings, MT 59103

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
NWSW (1626' FSL - 644' FWL)

14. PERMIT NO.
43-015-30230

15. ELEVATIONS (Show whether DF, ST, OR, etc.)
8774' KB

5. LEASE DESIGNATION AND SERIAL NO.
U-56933

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

7. UNIT AGREEMENT NAME
East Mountain Unit

8. FARM OR LEASE NAME
E. Mountain Federal

9. WELL NO.
13-35

10. FIELD AND POOL, OR WILDCAT
East Mountain

11. SEC., T., R., M., OR B.L. AND SURVEY OR AREA
Section 35-16S-6E

12. COUNTY OR PARISH
Emery

13. STATE
Utah

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

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

Meridian Oil Inc. proposes to install a leased compressor on this well to increase the gas production from the existing perfs. No down hole work will be performed on the well at this time.

CONFIDENTIAL

18. I hereby certify that the foregoing is true and correct
SIGNED Ronald S. Schuyler TITLE Sr. Production Engineer DATE 8/2/88

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE 8-8-88

CONDITIONS OF APPROVAL, IF ANY:
BLM (3), UOG&M (3), RES (1)
Federal approval of this action is required before commencing operations.

*See Instructions on Reverse Side

ACCEPTED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE 8-8-88
John R. Barr

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 08/15/94

API NO. ASSIGNED: 43-015-30230

WELL NAME: 13-35 EMU HRE FED (RE-ENTRY)
OPERATOR: MEREDIAN OIL INC. (N7230)

PROPOSED LOCATION:
NWSW 35 - T16S - R06E
SURFACE: 1626-FSL-0644-FWL
BOTTOM:
EMERY COUNTY
FLAT CANYON FIELD (011)

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

LEASE TYPE: FED
LEASE NUMBER: U-56933

PROPOSED PRODUCING FORMATION: FRSD

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Federal[] State[] Fee[]
(Number _____)
- Potash (Y/N)
- Oil shale (Y/N)
- Water permit
(Number _____)
- RDCC Review (Y/N)
(Date: _____)

LOCATION AND SITING:

- R649-2-3. Unit: ~~UTA 63089X~~
- R649-3-2. General.
- R649-3-3. Exception.
- Drilling Unit.
Board Cause no: _____
Date: _____

COMMENTS: *East Mountain II Unit Area UTA 73408X designated as logical ^{unit} area 8/10/94. by BLM*

STIPULATIONS: *1. Will need a BHL survey @ the conclusion of drilling operations*

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.
U-56933

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

7. If Unit or CA, Agreement Designation

57287U6920

8. Well Name and No.
13-35 EMU HRE Federal

9. API Well No.
43-015-30230

10. Field and Pool, or Exploratory Area
East Mountain

11. County or Parish, State
Emery County, UT

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Meridian Oil Inc.

3. Address and Telephone No.
5613 DTC Parkway, Englewood, CO 80111 (303) 930-9403

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

1626' FSL, 644' FWL
Sec. 35-T16S-R6E (NWSW)

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 Well Coordinates and Top of Liner
 - Change of Plans
 - New Construction
 - Non-Routine Fracturing
 - Water Shut-Off
 - Conversion to Injection
 - 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.)*

Please see attached table showing the well coordinates for the above captioned well.

The top of the 7" liner will be at 5,280'.

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

Signed Eileen Danni Dey Regulatory Compliance Adm. Date 8/01/94

(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.

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

AUG 15 1994

U.S. DEPT. OF OIL, GAS & MINING

WELL COORDINATES FOR THE EAST MOUNTAIN UNIT 13-35 RE									
Points	TVD	MD	Angle	CL	Horiz. Displ.	Azimuth	Coordinates		
							NS	EW	
A KOP	0.00	0.00	0.00	0.00		55	0.00	0.00	
B Top of form. Ferron	0.00	520.80	78.23	521.52	304.03	55	174.40	249.03	
C Top of form y						55	0.00	0.00	
D Top of form z						55	0.00	0.00	
E EOB	297.26	303.24	90.00	-7.41	303.32	55	173.99	248.45	
F TD	303.33	303.24	0.00	-7.41	303.32	55	173.99	248.45	
	Top of Liner @ 5,280'								

FRANK MATHENS

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.
U-56933

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

7. If Unit or CA, Agreement Designation
57287U6920

8. Well Name and No.
13-35 EMU HRE Federal

9. API Well No.
43-015-30230

10. Field and Pool, or Exploratory Area
East Mountain

11. County or Parish, State
Emery County, UT

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Meridian Oil Inc.

3. Address and Telephone No.
5613 DTC Parkway, Englewood, CO 80111 (303) 930-9403

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1626' FSL, 644' FWL
Sec. 35-T16S-R6E (NWSW)

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

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

TYPE OF ACTION	
<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<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 Squeeze off Blue Gate Shale location	<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.)*

Prior to the previously requested procedure to en-enter the above captioned well, Meridian Oil Inc. requests permission to squeeze a portion of the Blue Gate Formation (5380') for the purpose of drilling outside the 7" casing with +100 sx. of cement depending upon the injection rate established.

14. I hereby certify that the foregoing is true and correct.
Signed Eileen Danni Dey Title Regulatory Compliance Adm. Date 8/11/94

(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.

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

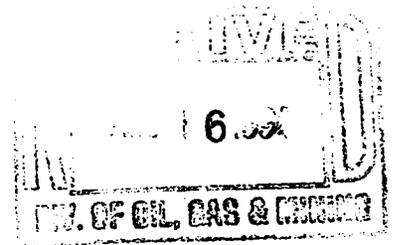
15
1994

COPY

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155



IN REPLY REFER TO:
UT-922

August 10, 1994

Meridian Oil Inc.
Attn: David M. Laramie
5613 D.T.C. Parkway
Englewood, Colorado 80111

Gentlemen:

Your application of August 1, 1994, filed with the Chief, Branch of Fluid Minerals, Bureau of Land Management, Salt Lake City, Utah, requests the designation of 34,978.17 acres, more or less, in Emery County, Utah, as logically subject to exploration and development under unitization provisions of the Mineral Leasing Act, as amended.

Pursuant to unit plan regulations (43 CFR 3180) the land requested, as outlined on your plat marked "Exhibit 'A', East Mountain II Unit Area" UTU73408X is hereby designated as a logical unit area.

The unit agreement submitted for the area designated should provide for a three well obligation. The initial well is to be a re-entry of Well No. 13-35 to consist of a 1,000 foot horizontal well bore in the upper "D" zone of the Ferron Formation and located in the NW SW Section 35, Township 16 South, Range 6 East, SLM&B, Emery County, Utah. The second well is to be drilled to a depth of 9,050 feet or attain 2,000 feet of horizontal well bore in the upper "D" Zone of the Ferron Formation and located in the SW Section 12, Township 16 South, Range 6 East, SLM&B, Emery County, Utah. The third well is to be drilled to a depth of 10,000 feet or attain 2,000 feet of horizontal well bore in the upper "D" Zone of the Ferron Formation and located in the NE Section 21, Township 17 South, Range 6 East, SLM&B, Emery County, Utah. Your proposed use of the Form of Agreement for Unproved Areas, modified as shown in your application, will be accepted.

The public interest requirement under 43 CFR 3183.4(b) will be deemed to have been met upon completion of the second obligation well.

If conditions are such that further modification of said standard form is deemed necessary, two copies of the proposed modifications, with appropriate justification, must be submitted to this office for preliminary approval.

In the absence of any other type of land requiring special provisions, or of any objections not now apparent, a duly executed agreement, identical with said form, modified as outlined above, will be approved if submitted in approvable status within a reasonable period of time; not to exceed one year. However, notice is hereby given that the right is reserved to deny approval of any executed agreement submitted which, in our opinion, does not have the full commitment of sufficient lands to afford effective control of operations in the unit area.

To ensure the timely handling of units submitted for final approval, proponent must show 100 percent commitment of all lessees of record, basic royalty owners and working interest owners, or evidence that every such owner of interest in the unit has been given an opportunity to join the unit agreement.

If any owner fails or refused to join, evidence of reasonable effort to obtain a joinder should be submitted, together with a copy of each refusal by an operator giving the reasons for nonjoinder. If a refusal letter cannot be obtained, the unit proponent should provide a written record of the attempts made to obtain joinder.

When the executed agreement is transmitted to the Chief, Branch of Fluid Minerals for approval, include the latest status of all acreage. In preparation of Exhibits "A" and "B", please follow the format of the models shown in 43 CFR 3186.1 and 3186.1-1.

Inasmuch as this unit contains State of Utah lands, we are sending a copy of this letter to the State Land Board of Land Commissioners at Salt Lake City, Utah and we are hereby requesting you to contact said board promptly in connection with this letter before soliciting joinders.

Sincerely,

/s/ Al McKee

 Robert A. Henricks
Chief, Branch of Fluid Minerals

cc: UnitSource Incorporated

bcc: Division of Oil, Gas and Mining w/enclosure /
Trust Lands Administration
District Manager - Moab w/enclosure
File - East Mountain II Unit w/enclosure
Agr. Sec. Chron
Fluid Chron

U-922:TAThompson:tt:08-10-94

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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Use "APPLICATION FOR PERMIT-" for such proposals.

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U-56933

6. If Indian, Allottee or Tribe Name
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57287U6920

8. Well Name and No.
13-35 EMU HRE Federal

9. API Well No.
43-015-30230

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East Mountain

11. County or Parish, State
Emery County, UT

SUBMIT IN TRIPLICATE

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 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)

1626' FSL, 644' FWL
Sec. 35-T16S-R6E (NWSW)

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 Horizontal Re-Entry
- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-Off
- Conversion to Injection
- 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.)*

Meridian Oil Inc. requests permission to re-enter the 13-35 E. Mountain Federal well for a horizontal test of the Ferron sandstone.

See attached Drilling Plan and Drilling Program.

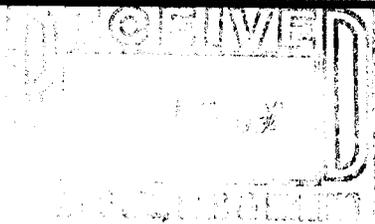
14. I hereby certify that the foregoing is true and correct.

Signed *[Signature]* Title Regulatory Compliance Adm. Date 7/12/94
Eileen Danni Dey

(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.



43-015-30230

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 8/19/94
BY: *[Signature]*
WELL SPACING: R649-2-3

DRILLING PLAN

PROSPECT/FIELD East Mountain Unit **COUNTY** Emery **STATE** Utah
OWNERS Meridian Oil Inc.
WELL NO. 13-35H EMU R/E **LEASE** Meridian Oil, Inc.
LOCATION NWSW Section 35-T16S-R6E (1.626' FSL, 644' FWL)
EST. T.D. 10,370' TVD **GROUND ELEV.** 8,759' (est)

PROGNOSIS: Based on 8,774' KB(est)

LOGS: Type Interval

<u>MARKER</u>	<u>DEPTH</u>	<u>HYDC</u>	<u>DATUM</u>
Black Hawk Group	0'		
Star Point Sandstone			
Mancos Shale			
Emery Sandstone	2,413'		6,361'
Blue Gate Shale	4,036'		4,738'
Ferron Sandstone	5,782' O&G		2,992'

FMS

DEVIATION:
Directional Well

DST'S:
None Planned

CORES:
None Planned

SAMPLES:
10' thru the build and lateral, 5' as needed to pick markers
Two Man Mudlogger on at KOP

BOP:
7-1/16", 3000 psi Blind, Pipe & Annulars
7-1/16" Rotating Head

Surface Formation:

Max. Anticipated BHP: 0.3 psi/ft

<u>MUD:</u>	<u>Interval</u>	<u>Type</u>	<u>WT</u>	<u>Vis</u>	<u>WL</u>	<u>Remarks</u>
	0' - 5,405'	Water	8.5 +/-	28 +/-	NC	
	5,405' - TD	Air or Air/Mist				

<u>CASING:</u>	<u>Size</u>	<u>Wt ppf</u>	<u>Hole</u>	<u>Depth</u>	<u>Cement</u>	<u>WOC</u>	<u>Remarks</u>
Surface:	13-3/8"	48	17-1/2"	116'	150 sx (To surface)		Existing
Production:	9-5/8"	40	12-1/4"	1,400'	875 sx		Existing
	7. "	20	8-3/4"	6,063'	150 sx		Existing
	3-1/2"	9.2	6-1/8"	TD			Proposed

PROBABLE PLUGS, IF REQ'D: Per Utah BLM requirements.

OTHER:

5,380' TVD 5,380' MD :Window / Whipstock
 5,405' TVD 5,405' MD :KOP - 15 deg/100' BR
 5,782' TVD 5,943' MD :80.7 deg. @ Top Ferron ss
 5,787' TVD 6,005' MD :90 deg @ EOB
 5,787' TVD 7,005' MD :TD

SURVEYS:

Every +/- 30' in Build
 Every +/- 90' in Lateral
 Every +/- 30' during any Azimuth changes
 Planned Wellbore Azimuth: North East
 Build Rate: 15 deg / 100'

Prep By: GAO GAO by [Signature] **Date:** 6/1/94 (Revised 7/12/94) **Doc:** 1335EMDP.XLS

DRILLING PROGRAM

MERIDIAN OIL INC.

LEASE NAME: 13-35H EMU HRE Federal

LEASE NO.: U-56933

LOCATION: 1626' FSL, 644' FWL
NWSW Section 35, T16S-R6E
Emery County, Utah

1. & 2. Estimated Tops of Important Geologic Markers & Est. Depth of Anticipated Water, Oil, Gas or Mineral

<u>Formation</u>	<u>Depth</u>	<u>Datum</u>	<u>Potential Oil, Gas or Water</u>
Black Hawk Group	0'		
Star Point Sandstone			
Mancos Shale			
Emery Sandstone	2413'	6361'	
Blue Gate Shale	4036'	4738'	
Ferron Sandstone	5782'	2992'	O & G

If any shallow water zones are encountered, they will be adequately reported; none anticipated. All potentially productive hydrocarbon zones will be cemented off.

3. Pressure Control Equipment: (See Exhibit "C")

A. For the Drilling of 6-1/8" hole below 7" surface.

7-1/16" 3M tubing head.

7-1/16" 3M spool w/outlets for kill and manifold line.

7-1/16" 3M double ram BOP with both pipe and blind rams.

7-1/16" 3M spherical and rotating head.

-Flow nipple w/flow and fill line.

B. Blind rams and pipe rams will be tested to 3000 psi at Nipple up and every 30 days thereafter (w/test plug). Annular will be tested to 1500 psi at Nipple up. Pipe and Blind rams will be function tested on trips.

4. & 5. Proposed Casing and Cementing Program

<u>Hole Size</u>	<u>Size</u>	<u>Depth</u>	<u>Weight</u>	<u>Grade</u>	<u>Casing Thrd</u>	<u>Cementing Cond Program</u>
17-1/2"	13-3/8"	116'	48#	K-55	STC	150 sx (Existing)
12-1/4"	9-5/8"	1400'	40#	K-55	STC	75 sx (Existing)
8-3/4"	7"	6063'	20,23#	K-55	STC	150 sx (Existing)
6-1/2"	3-1/2"	TD	9.2#	J-55	EUE	new (uncemented liner)-Proposed

<u>COLLAPSE</u>	<u>BURST</u>	<u>TENSION</u>
<u>S.F.(a)</u>	<u>S.F.(b)</u>	<u>S.F.(c)</u>
7400/2.73	6980/2.58	142,460/1.80

- a) 9 ppg fluid on backside, with casing evacuated.
- b) Assume 9 ppg pore press. at TD and gas to surface.
- c) Weight in air- 15,000 lbs.

6. Proposed Drill Mud Program:

<u>Depth</u>	<u>Type</u>	<u>Weight #/gal.</u>	<u>Vis. sec./qt.</u>	<u>Fluid Loss</u>
0' - 5,405'	Water	8.5 +/-	28 +/-	NC
5,405' - TD	Air or Air/Mist			

An adequate supply of mud materials will be maintained on location or readily accessible for the purpose of assuring well control during the course of drilling operations.

Mudlogger on location KOP - T.D.

7. Coring, Logging and Testing Program:

<u>Coring</u> -	No cores are planned
<u>Logging</u>	FMS
<u>DST's</u> -	No drill stem tests are planned

The proposed evaluation program may change at the discretion of the wellsite geologist, with prior approval from the Authorized Officer.

8. Abnormal Conditions:

Underpressured zones are anticipated in the area.

Maximum estimated BHP is 1700 psi (calculated at .3 psi/ft.)

No H₂S has been found, reported or is known to exist at these depths in this area.

9. Anticipated Starting Dates & Notification of Operations:

Anticipated Commencement Date: 8/15/94

Drilling Days: Approximately 21 Days

Completion Days: Approximately 3 Days

Notification of Operations:

The Bureau of Land Management, San Raphael Resource Area will be notified at least twenty-four (24) hours PRIOR to the commencement of the following activities:

1. Spudding of the well. This oral report will be followed up with a Sundry Notice (Form 3160-5).
2. Initiating pressure tests of the blow-out preventer and related equipment.
3. Running casing and cementing of ALL casing strings.

Notification of Operations:(cont.)

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in suspended status without prior approval of the Authorized Officer. If operations are to be suspended, prior approval of the Authorized Officer will be obtained and notification given before resumption of operations.

In accordance with Onshore Operating Order #1, this well will be reported on MMS Form 3160-6, "Monthly Report of Operations", starting with the month in which operations commence and continuing each month until the well is physically plugged and abandoned. This report will be filed directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the provisions of NTL-3A or its current revision.

Should the well be successfully completed for production the Authorized Officer will be notified when the well is placed in a producing status. Such notification will be sent no later than five (5) business days following the date on which the well is placed on production.

Pursuant to Onshore Order No. 7, with the approval of the Authorized Officer, produced water may be temporarily disposed of into the reserve pit for a period of up to ninety (90) days. During this period so authorized, an application for approval of the permanent disposal method, along with the required water analysis and other information, will be submitted to the Authorized Officer.

Pursuant to NTL-4A, lessees and operators are authorized to vent/flare gas during initial well evaluation tests, not exceeding a period of thirty (30) days or the production of fifty (50) MMCF of gas, whichever occurs first. An application will be filed with the Authorized Officer, and approval received, for any venting/flaring of gas beyond the initial thirty (30) day or otherwise authorized test period.

A facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 will be submitted to the Platte River Resource Area Office, BLM within thirty (30) days of installation or first production, whichever occurs first. All site security regulations as specified in 43 CFR 3162.7 will be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

No well abandonment operations will be commenced without the prior approval of the Authorized Officer. In the case of newly-drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the Authorized Officer.

A "Notice of Intention to Abandon" (Form 3160.5) will be filed with the Authorized Officer within fifteen (15) days following the granting of oral approval to plug and abandon.

Notification of Operations:(cont.)

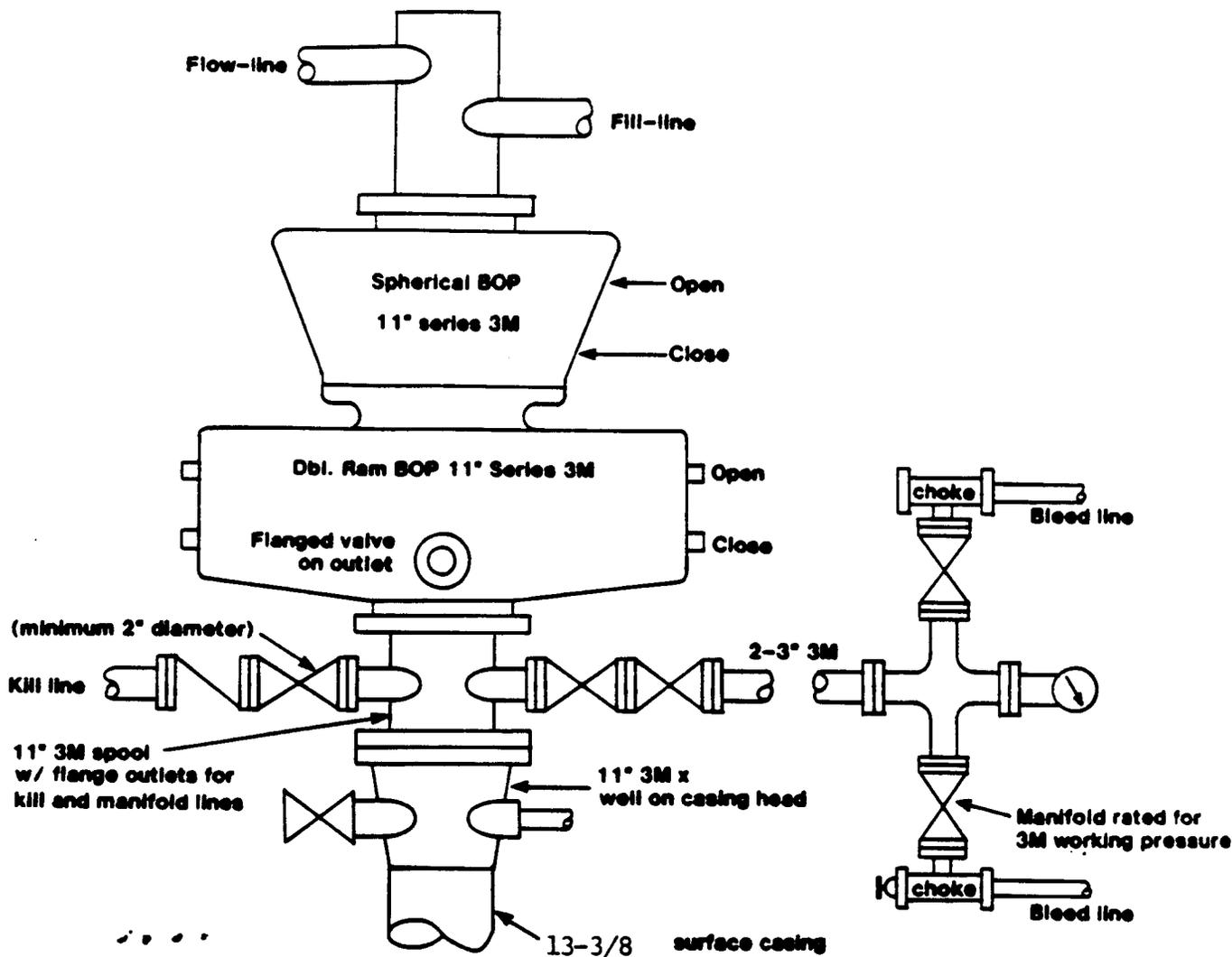
A "Subsequent Report of Abandonment" (Form 3160-5) will be submitted within thirty (30) days following the actual plugging of the wellbore. This report will indicate where plugs were placed and the current status of surface restoration operations. If surface restoration has not been completed at that time, a follow-up report on Form 3160-5 will be filed when all surface restoration work has been completed and the location is considered ready for final inspection. Final abandonment will not be approved until the surface reclamation work required by the approved Application for Permit to Drill has been completed to the satisfaction of the Authorized Officer or his representative, or the appropriate Surface Management Agency.

Pursuant to Onshore Operating Order #1, lessees and operators have the responsibility to see that their exploration, development, production, and construction operations are conducted in such a manner which conforms with applicable Federal laws and regulations and with State and local laws and regulations to the extent that such State and local laws are applicable to operations on Federal and Indian lands.

gxm/ 13-35 9pt plan

TYPICAL MINIMUM BOP SPECS (SCHEMATIC DRAWING)

For drilling 17-1/2" hole below 13-3/8" surface



NOTES AND AUXILIARY EQUIPMENT

1. All lines, valves and fittings to be minimum.
2. All bolts to be installed and tight.
3. All crew members to be trained in and familiar with BOP equipment, accumulators and procedures.
4. Hole to be kept full at all times.
5. (a) After nipping up, preventers will be pressure tested at 3000 psi for 15 minutes before drilling out. (Spherical to 1500 psi).
(b) BOP will be inspected and operated at least daily to insure good working order.
(c) All pressure and operating tests will be recorded on daily drilling report.
6. An upper kelly-cock will be used at all times.
7. A drill-pipe float will be available at all times for use when penetrating formations with anticipated abnormal pressures.
8. Mud system monitoring method: Flow sensor and pit volume totalizer.
9. A 3000 psi WP F.O. "Hero" valve, properly subbed w/ DP pipe, will be available on the floor at all times.
10. 13-3/8" casing will be tested to 1500 psi before drilling out.
11. Remote BOP control will be located on rig floor with hydraulic located at the accumulator.

RP 53: Blowout Prevention Equipment Systems

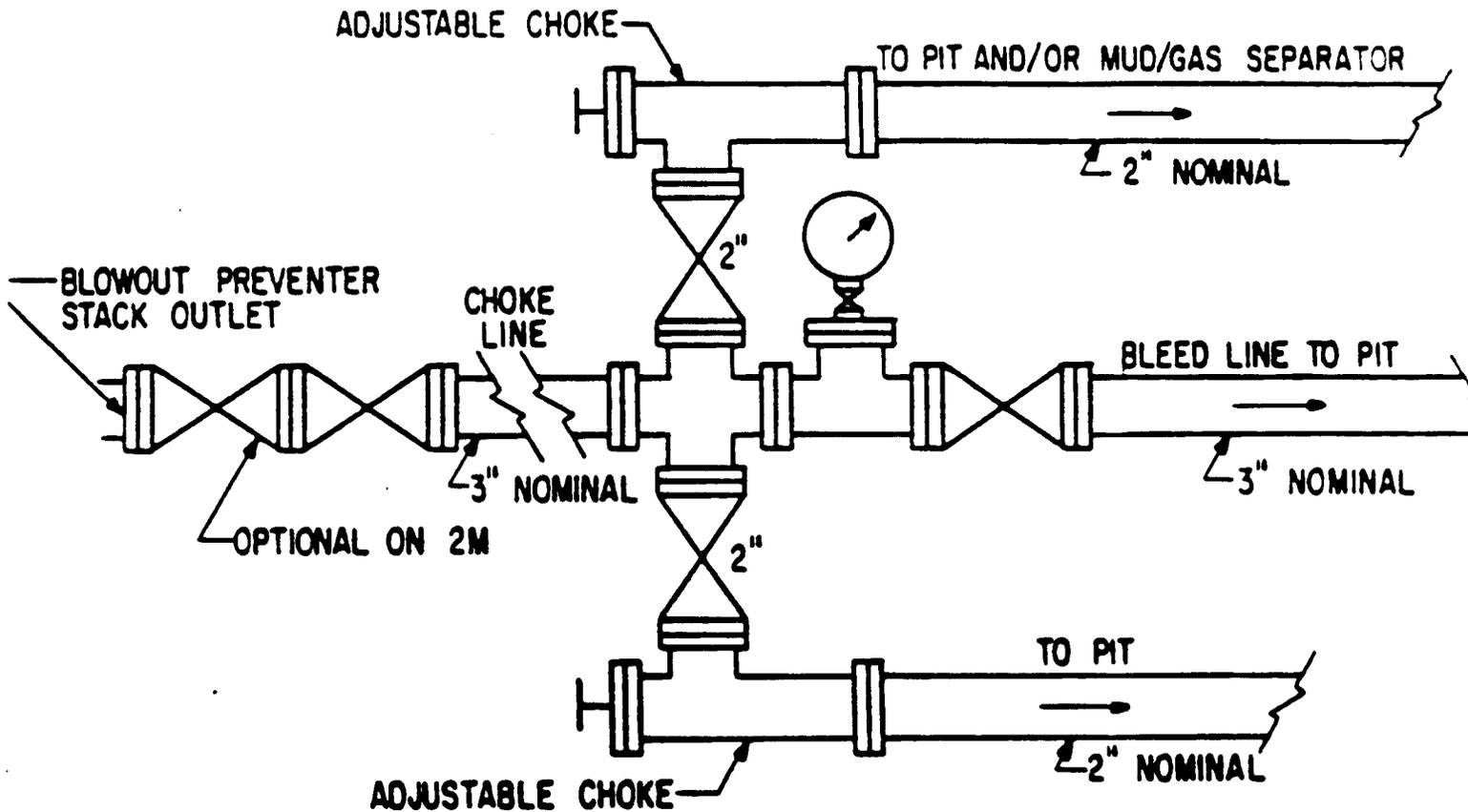
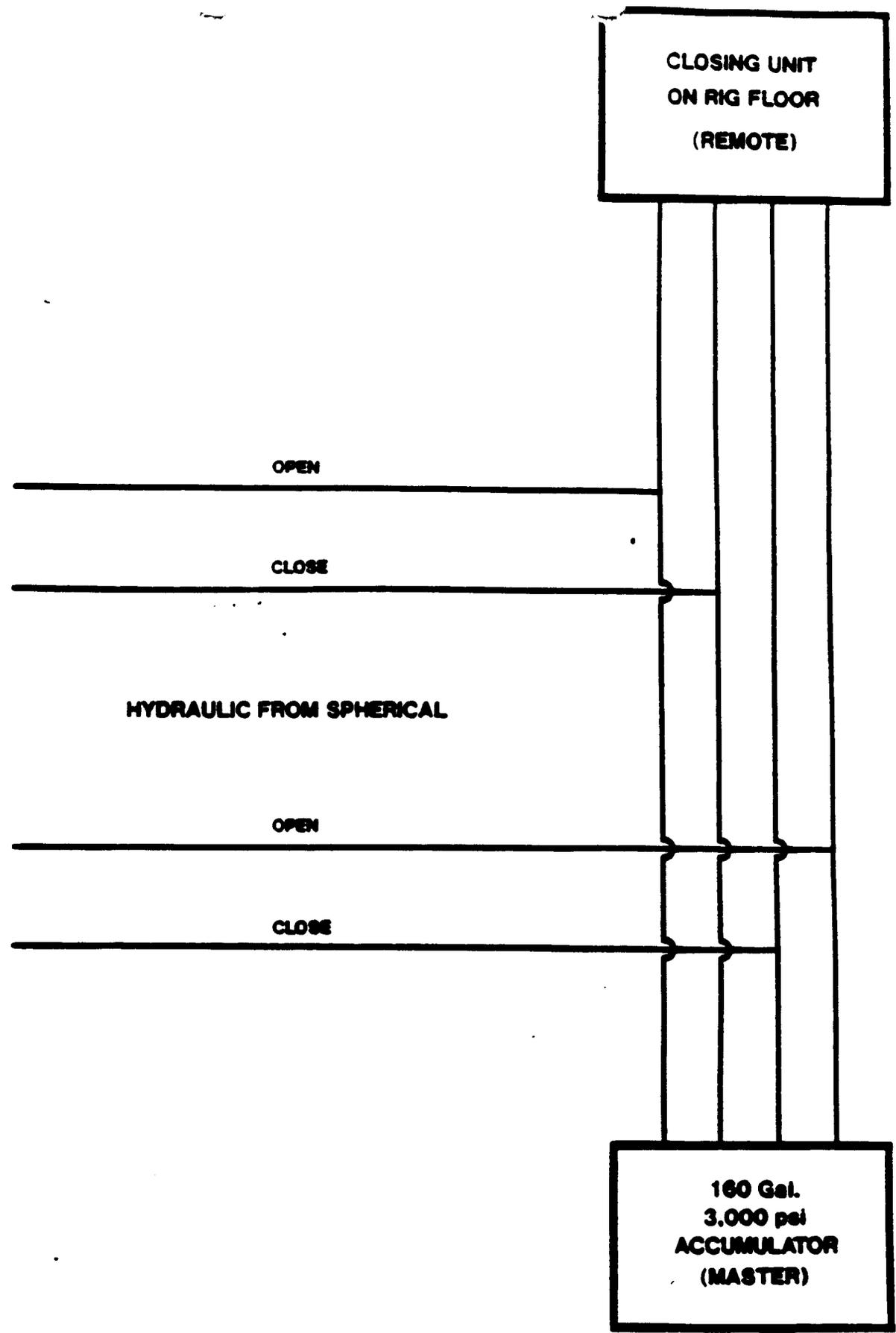


FIG. 3.A.1

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



**LOCATED IN AUXILIARY EQUIPMENT
BEHIND SUB-STRUCTURE**



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

43-015-30230

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

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

August 19, 1994

Meridian Oil Inc.
5613 DTC Parkway
Englewood, Colorado 80111

Re: 13-35 EMU HRE Federal Well, 1626' FSL, 644' FWL, NW SW, Sec. 35, T. 16 S.,
R. 6 E., Emery County, Utah

Gentlemen:

Pursuant to Utah Code Ann. § 40-6-18, (1953, as amended), Utah Admin. R. 649-2-3, Application of Rules to Unit Agreements and R. 649-3-4, Permitting of Wells to be Drilled, Deepened or Plugged-Back, approval to reenter and horizontally drill the referenced well is hereby granted.

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

1. In accordance with Utah Admin. R. 649-3-11, Directional Drilling, submittal of a complete angular deviation and directional survey report is required.
2. Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules.
3. Notification to the Division within 24 hours after drilling operations commence.
4. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
5. Submittal of the Report of Water Encountered During Drilling, Form 7.
6. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or K. Michael Hebertson, Reclamation Specialist, (Home) (801)269-9212.

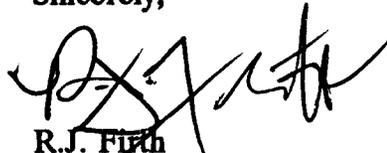


Page 2
Meridian Oil Inc.
13-35 EMU HRE Federal Well
August 19, 1994

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

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-015-30230.

Sincerely,



R.J. Fifth
Associate Director

ldc
Enclosures
cc: **Emery County Assessor**
Bureau of Land Management, Moab District Office
WOI1

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

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Use "APPLICATION FOR PERMIT" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. U-56933
2. Name of Operator Meridian Oil Inc.	6. If Indian, Allottee or Tribe Name N/A
3. Address and Telephone No. 5613 DTC Parkway, Englewood, CO 80111 (303) 930-9403	7. If Unit or CA, Agreement Designation 57287U6920
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1626' FSL, 644' FWL Sec. 35-T16S-R6E (NWSW)	8. Well Name and No. 13-35 EMU HRE Federal
	9. API Well No. 43-015-30230
	10. Field and Pool, or Exploratory Area East Mountain
	11. County or Parish, State Emery County, UT

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

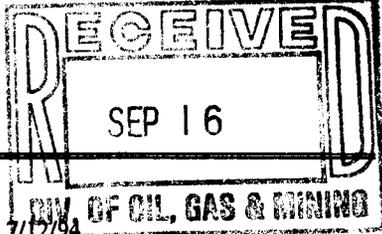
TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
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	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other Horizontal Re-Entry	<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.)*

Meridian Oil Inc. requests permission to re-enter the 13-35 E. Mountain Federal well for a horizontal test of the Ferron sandstone.

See attached Drilling Plan and Drilling Program.



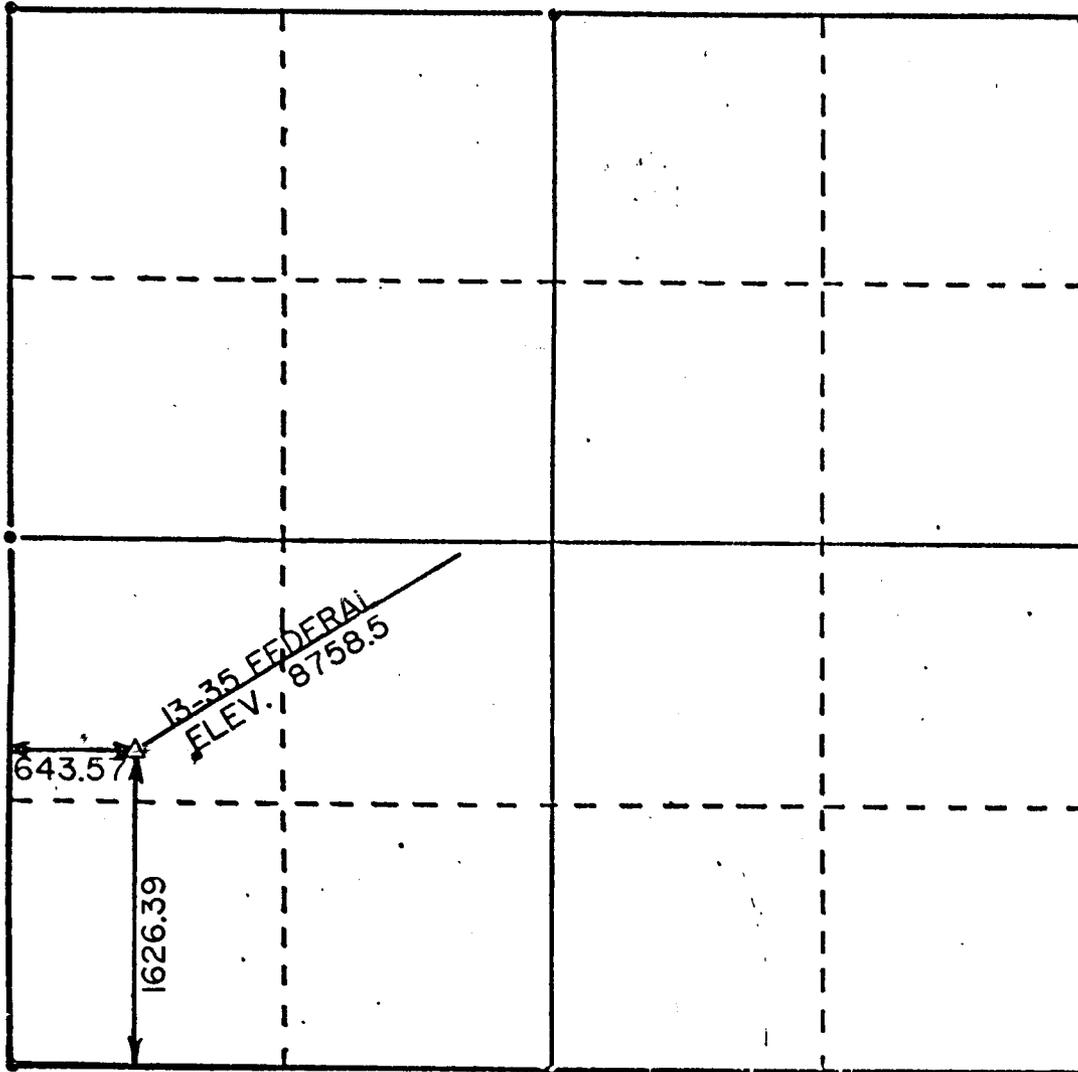
14. I hereby certify that the foregoing is true and correct.
Signed Bilgen Danni Dey Title Regulatory Compliance Adm. Date 7/12/94

(This space for Federal or State office use)
Approved By WILLIAM C. STRINGER Title Associate District Manager Date SEP 13 1994
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.

CONDITIONS OF APPROVAL ATTACHED

SECTION 35, T. 16 S., R. 6 E., SLM



CERTIFICATE

I, Lee Mont Swasey A LICENSED SURVEYOR,
LEE MONT SWASEY

HOLDING UTAH CERTIFICATE No. 6108, DO HEREBY CERTIFY THAT THE PLAT SHOWN HEREON HAS BEEN PREPARED FROM A FIELD SURVEY MADE UNDER MY DIRECTION AND CORRECTLY SHOWS THE DIMENSIONS AND MONUMENTS OF THE PROPERTY DESCRIBED TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REG. NO. 6108
LEE MONT SWASEY

DESCRIPTION

13-35 FEDERAL- LOCATED 1626.39 FEET FROM THE SOUTH LINE AND 643.57 FEET FROM THE WEST LINE OF SECTION 35, T. 16 S., R. 6 E., SLM

BASIS OF BEARING

NORTH BETWEEN THE SOUTH WEST CORNER AND THE NORTHWEST CORNER OF SECTION 35, T. 16 S., R. 6 E., SLM.

LEGEND

- DENOTES SECTION OR QUARTER CORNER
- Δ DENOTES LOCATED WELL LOCATION

SECTION	TOWNSHIP	RANGE	DATE	SCALE
35	16 S	6 E	6/16/87	1"=1000
BLOCK	PLAT	SURVEY		

LEE MONT SWASEY
REGISTERED LAND SURVEYOR
JOHANSEN & TUTTLE ENGR. INC. CASTLE DALE, UTAH

SURVEY FOR
MERIDIAN OIL, BILLINGS MONTANA
P.O. BOX 1855

Meridian Oil Inc.
Well No. E. Mountain-Federal 13-35
Sec. 35, T. 16 S., R. 6 E.
Emery County, Utah
Lease U-56933

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.

Meridian Oil Inc., is the bonded entity on this application. Liability will remain with the bonded party named above until we are formally notified by letter of the new bonded entity in reference to this Application for Permit to Drill.

A. DRILLING PROGRAM

All lease operations will be conducted in full compliance with applicable regulations (43 CFR 3100), Onshore Oil and Gas Order 1, 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.

Your contact with the District Office is:

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

Home Phone: (801) 259-7404

Lynn Jackson, Chief, Branch of Fluid Minerals:

Office Phone: (801) 259-6111

Home Phone: (801) 259-7990

Paul Brown, I&E Coordinator:

Office Phone: (801) 259-6111

Home Phone: (801) 259-7018

ADDRESS:

82 East Dogwood, P. O. Box 970
Moab, Utah 84532

Your contact with the San Rafael Resource Area Office is:

Mervin S. Miles, Natural Resource Spec. Office Phone: (801) 637-4584

Home Phone: (801) 748-2249

ADDRESS:

900 North 700 East (P.O. Box AB)
Price, Utah 84501

II. Alternatives

A. Alternative 1 - No Action

Do not recommend approval of the proposed action at the proposed location. The Unit Operator would have to submit a new proposal identifying a new location to further explore and develop the ICU.

B. Alternative 2 - Proposed Action with Forest Service Mitigation

Permit the reconstruction of FDR 50040, construct a project access road, construct a drill site, and drill EM 13-35 as submitted in the Application for Permission to Drill (APD). Appendix B contains the Thirteen Point Surface Use Plan. The the following management requirements, constraints and mitigations supplement the stipulations identified in the Thirteen Point Surface Use Plan:

1. A Road Use Permit is required prior to moving any heavy equipment over Forest Service roads. Road improvements will be identified in the Road Use Permit and will be consistent with the design, operation, and maintenance decisions identified in the Design Criteria Table (Appendix D).
2. Drill pad, access road, and Forest Development Road plans must be approved by the Forest Service prior to surface disturbance.
3. An on-site preconstruction meeting involving the Unit Operator, the Unit Operator's contractors, and the Forest Service will be held prior to commencement of construction activities. The drill pad and access road must be construction staked prior to this meeting.
4. The permittee must notify the Emery County Assessor when drilling equipment is moved into Emery County. Such notification shall occur within 2 working days after the equipment enters the county.
5. Move-in or out of the drill rig must be coordinated with Arch of Utah, Inc., Trail Mountain Mine and with livestock permittees to prevent possible conflicts with mine use or cattle movement. Move-in or out of the drilling rig shall not be on holiday weekends or opening weekend of deer hunt including the preceding Friday and first 5 days of the elk hunt.
6. Any and all damages to resources, structures and improvements which result from the permittee's operation must be repaired as soon as possible. The Forest Service must be notified of such damages. Repairs must meet Forest Service specifications.
7. All drilling fluids must be contained in the reserve pit. Contamination of soil and water is prohibited. If fluids leak from or overflow the reserve pit, operations must cease until the problem is corrected.

8. The drilling and casing plan must be adequate to prevent contamination of the Blackhawk-Star Point Aquifer.
9. Fire suppression equipment must include a minimum of one hand tool per crew member consisting of shovels and pulaskis, and one properly rated fire extinguisher per vehicle and/or internal combustion engine.
10. Drilling related vehicle operators must observe safe speeds commensurate with road and weather conditions.
11. Contaminated soils and gravel will be placed in the reserve pit and buried at the conclusion of drilling and/or production operations or hauled off National Forest System lands and disposed of properly.
12. All garbage, supplies, materials, equipment, old vehicles, etc. that were in any way part of the operation but are no longer needed, will be hauled off National Forest System lands. These materials will all be removed at least by the end of each drilling season.
13. If the well does not become a producer, final reclamation of the drill site and access road will be completed as soon as possible. If the well is a producer, final reclamation will occur when the site is abandoned. Final reclamation will include the following:
 - a. The site will be returned to the approximate original contour.
 - b. Topsoil will be evenly redistributed on the site.
 - c. The permittee will perform a soils analysis of the site to determine if fertilizer will be applied to assure vegetative establishment.
 - d. Seeding of the site shall occur in the fall, between September 15 and November 15. The site will be harrowed after seeding to insure proper burial of the seed.
 - e. The following certified 99% pure live seed mix will be used for seeding all disturbed areas in Cottonwood Canyon at a rate of 14 lbs./acre:

<u>Common Name</u>	<u>Scientific Name</u>	<u>Rate of application/acre</u>
Western Wheatgrass	Agropyron Smithii	4 lbs.
Intermediate Wheatgrass	Agropyron intermedium	3 lbs.
Crested Wheatgrass	Agropyron cristatum	3 lbs.
Smooth Brome	Bromus inermis	3 lbs.
Ladak Alfalfa	Mediacogo sativa ladak	1/2 lbs.
Yellow Sweetclover	Melilotus officinalis	1/2 lbs.

Note: The drill site will be considered successfully vegetated when 80 % of the adjacent existing cover is established or when ground cover is 60%. 50% of the plant composition must be seeded or other desirable native plant species.

- f. The reclaimed area will be fenced with 4-strand barbed wire until the vegetation is reestablished to prevent cattle from disturbing the site.

- g. Reclamation may include scattering large boulders over the site prior to seeding.
14. All cut and fill slopes for the access road and FDR 50040 associated with this proposal will be seeded with the seed mix identified above.
 15. Enough topsoil must be saved during partial reclamation to reclaim the remainder of the drill site when production is finished and the site is given final reclamation. This topsoil must be stored and stabilized with vegetation until it is used. Seed mix identified in 13 will be used on topsoil storage piles.
 16. The Unit Operator will control noxious weed invasion associated with their disturbed areas in Cottonwood Canyon until final reclamation is complete and accepted by the Forest Service.
 17. Timber (aspen) removed from the access road and drill site must be cut into 8 foot lengths and piled at approved location(s) for fuelwood gathers.

The following mitigation measures apply to the production phase of the operation.

18. Production facilities must be fenced.
19. The Unit Operator will remove all ground water produced from this well to an approved off Forest disposal site. If groundwater production becomes a problem operation may need to be suspended until the revised disposal plan is approved.
20. No harassment of wildlife will be permitted.
21. The producing well will be signed to inform and warn the public of the operations and hazards.

III. Description of Affected Environment - Affected Environment

The following is a description of the existing situation for each of the resource areas where there was an identified concern.

A. Soils

The soils around the proposed drill site and access road consist primarily of sandy loam texture. These soils were formed dominantly from alluvial and colluvial materials from the Blackhawk, Castlegate, and Price River Formations. Sandstone is the dominant parent rock type. This site is well drained and supports both a sagebrush-grass and aspen-fir plant communities.

The soils are well suited to reclamation. There are no unusual problems are anticipated in management and use of these soils. Conditions should be similar to the previously drilled locations in Cottonwood Canyon.

DAILY DRILLING REPORT

WELL	1335RE EAST MOUNTAIN FEDERAL			DATE	09/24/94	OPERATOR	MERIDIAN OIL					
LOCATION	NWSW,35-016S-006E	MD/TVD	5,355.00 / 5,355.00	REPORT #	3	RIG NAME						
KB/GL ELEV	0.00	PROGRESS		CUR OP	W/O DRILLING RIG	SUPERVISOR	S. CARROLL					
COUNTY, ST	EMERY, UTAH	SPUD DATE	09/29/94	DFS	0	AFE #	Y846					
MUD DATA		BIT RECORD				WELL COSTS						
MUD TYPE		BIT #				TANGIBLE	0.00	INTANGIBLE	16,634.00	TOTAL	16,634.00	
TIME		SERIAL #				DAILY						
TEMP		SIZE (in)				CUMMULATIVE	0.00		42,156.00		42,156.00	
DEPTH		MAKE				AUTHORIZED	18,000.00		512,820.00		530,820.00	
WEIGHT		TYPE				BOP TEST DATA						
VISCOSITY		JETS(1/2/3)				DATE				PSI		
PV/YP		JETS(4/5/6)				LAST TEST	/ /		RAMS			
GELS(0/10)		JETS(TFA)				LAST DRILL	/ /		ANNULAR			
API WL		DEPTH IN							MANIFOLD			
HHP WL		DEPTH OUT				TIME BREAKDOWN						
CAKE		FEET TODAY				RU/RD	1.50	CMT/CSG				
TS/LGS		HRS TODAY				DRLG		WOC				
HGS/SAND		ROP TODAY				RMG		NU BOP				
% OIL		CUM FEET				CORING		TEST BOP				
O/W RATIO		CUM HOURS				CIRC/COND		DST				
MBT		CUM ROP				TRIPS		PLUG BACK		10.00		
Pm		WOB (min/max)				SRVC RIG		SQUEEZE				
Pf/Mf		RPM (min/max)				REPAIR RIG		FISHING				
Cl (ppm)		HHP/IN2				DRLG LINE		DIR WORK				
Ca (ppm)		JET VEL				SURVEY		OTHER				
LIME/ES		WHY PULLED				LOGGING						
SEEP LOSS		CONDITION										
MUD DISCH		ADDITIVES (bags)		DEVIATION SURVEYS			MUD PUMPS					
# CENT HRS				DEPTH	DEVIATION	AZIM		PUMP #1		PUMP #2		
DAILY COST								PRESSURE				
CUM COST								SPM				
INVENTORY								LINER (in)				
BARITE								STROKE (in)				
DIESEL								OUTPUT (gpm)				
WHOLE MUD								AVDP (fpm)				
								AVDC (fpm)				
								SPP(spm/psi)				
LAST CASING				MUD LOGGING			BHA DATA					
DEPTH				BGG	0							
SIZE				CONN	0		BHA NAME					
PIT EMW				TRIP	0		PURPOSE					
LAST TEST	/ /						HOOK LOAD		PU WEIGHT			
OPERATION						DRAG		SO WEIGHT				
FROM	TO	HRS	CODE	SUB	DETAIL						ITEM	LENGTH
07:00	09:00	2.00	17	a	TIH w/ CMT RETAINER SEAL ASSEMBLY AND 2 7/8" TBG, STING INTO CMT RETAINER @ 5355'							
09:00	12:00	3.00	17	a	SQUEEZE CMT JOB w/ HALLIBURTON SERVICES: FILL ANNULUS w/ 2% KCL AND PRESSURE TEST TO 1000 psi. PUMPED DOWN TBG FOR INJECTION RATE- 3.5 BPM w/ 0 psi. PUMPED 150 sxs "G" CMT (4% BWOV KCL, .1% HR-5, .4% HALAD 344, .2% CFR-3) THROUGH CMT RETAINER INTO SQUEEZE PERFS 5385-86', 3.0 BPM w/ 300 psi, PULL OUT OF RETAINER AND REVERSE CIRC. TBG - 3 BBLS SLURRY TO SURFACE. RD HALLIBURTON.							
12:00	15:30	3.50	17	a	TOOH/LD 191 JTS 2 7/8" TBG							
DAILY	CMT SQUEEZE @ 5385-86', TOOH/LD TBG, RD/MOVE OFF SERVICE											
OPERATIONAL	RIG. PREPARE LOCATION, W/O DRILLING RIG											
COMMENTS											TOTAL	

DAILY DRILLING REPORT

WELL	1335RE EAST MOUNTAIN FEDERAL			DATE	09/28/94	OPERATOR	MERIDIAN OIL		
LOCATION	NWSW,35-016S-006E	MD/TVD	5,355.00 / 5,355.00	REPORT #	7	RIG NAME			
KB/GL ELEV	0.00	PROGRESS		CUR OP	MOVE IN/RIG UP CO	SUPERVISOR	S. CARROLL		
COUNTY,ST	EMERY, UTAH	SPUD DATE	09/29/94	DFS	0	AFE #	Y846		
MUD DATA		BIT RECORD				WELL COSTS			
MUD TYPE		BIT #				TANGIBLE	INTANGIBLE	TOTAL	
TIME		SERIAL #			DAILY	0.00	800.00	800.00	
TEMP		SIZE (in)			CUMMULATIVE	0.00	47,516.00	47,516.00	
DEPTH		MAKE			AUTHORIZED	18,000.00	512,820.00	530,820.00	
WEIGHT		TYPE			BOP TEST DATA				
VISCOSITY		JETS(1/2/3)			DATE			PSI	
PV/YP		JETS(4/5/6)			LAST TEST	/ /	RAMS		
GELS(0/10)		JETS(TFA)			LAST DRILL	/ /	ANNULAR		
API WL		DEPTH IN					MANIFOLD		
HHP WL		DEPTH OUT			TIME BREAKDOWN				
CAKE		FEET TODAY			RU/RD	11.00	CMT/CSG		
TS/LGS		HRS TODAY			DRLG		WOC		
HGS/SAND		ROP TODAY			RMG		NU BOP		
% OIL		CUM FEET			CORING		TEST BOP		
O/W RATIO		CUM HOURS			CIRC/COND		DST		
MBT		CUM ROP			TRIPS		PLUG BACK		
Pm		WOB (min/max)			SRVC RIG		SQUEEZE		
Pf/Mf		RPM (min/max)			REPAIR RIG		FISHING		
Cl (ppm)		HHP/IN2			DRLG LINE		DIR WORK		
Ca (ppm)		JET VEL			SURVEY		OTHER		
LIME/ES		WHY PULLED			LOGGING				
SEEP LOSS		CONDITION							
MUD DISCH		ADDITIVES (sacks)			DEVIATION SURVEYS		MUD PUMPS		
# CENT HRS					DEPTH	DEVIATION	AZIM	PUMP #1	
DAILY COST								PUMP #2	
CUM COST									
INVENTORY									
BARITE							LINER (in)		
DIESEL							STROKE (in)		
WHOLE MUD							OUTPUT (gpm)		
							AVDP (fpm)		
							AVDC (fpm)		
							SPP(spm/psi)		
LAST CASING			MUD LOGGING			BHA DATA			
DEPTH			BGG	0					
SIZE			CONN	0	BHA NAME				
PIT EMW			TRIP	0	PURPOSE				
LAST TEST	/ /				HOOK LOAD		PU WEIGHT		
OPERATION					DRAG		SO WEIGHT		
FROM	TO	HRS	CODE	SUB	ITEM			LENGTH	
07:00	18:00	11.00	01	a	MOVE IN/RIG UP, SET MATS FOR SUBSTRUCTURE AND RIG, FOLLOWING EQUIPMENT ON LOCATION: MUD PUMPS AND TANK, SUBSTRUCTURE, LIGHT PLANT, CHOKE MANIFOLD AND BOP. RIG #78 SUFFERED BREAKDOWN NEAR HAYDEN,CO, WILL BE ON LOCATION LATE WEDNESDAY MORNING.				
DAILY					BEGIN MOVE IN/RU, RIG TO ARRIVE LATE WEDNESDAY AM				
OPERATIONAL									
COMMENTS									
								TOTAL	

DAILY DRILLING REPORT

WELL	1335RE EAST MOUNTAIN FEDERAL			DATE	10/02/94	OPERATOR	MERIDIAN OIL		
LOCATION	NWSW,35-016S-006E	MD/TVD	5,396.00 / 5,396.00	REPORT #	11	RIG NAME			
KB/GL ELEV	0.00	PROGRESS	5.00	CUR OP	TRIP OUT TO PICK	SUPERVISOR	JIMMY REEDER 801-636-5176		
COUNTY, ST	EMERY, UTAH	SPUD DATE	09/29/94	DFS	0	AFE #	Y846		
MUD DATA		BIT RECORD				WELL COSTS			
MUD TYPE		BIT #				TANGIBLE	INTANGIBLE	TOTAL	
TIME		SERIAL #			DAILY	0.00	9,754.50	9,754.50	
TEMP		SIZE (in)			CUMMULATIVE	0.00	106,803.73	106,803.73	
DEPTH		MAKE			AUTHORIZED	18,000.00	512,820.00	530,820.00	
WEIGHT		TYPE			BOP TEST DATA				
VISCOSITY		JETS(1/2/3)			DATE			PSI	
PV/YP		JETS(4/5/6)			LAST TEST	09/29/94	RAMS		
GELS(0/10)		JETS(TFA)			LAST DRILL	/ /	ANNULAR		
API WL		DEPTH IN					MANIFOLD		
HHP WL		DEPTH OUT			TIME BREAKDOWN				
CAKE		FEET TODAY			RU/RD		CMT/CSG		
TS/LGS		HRS TODAY			DRLG	8.75	WOC		
HGS/SAND		ROP TODAY			RMG		NU BOP		
% OIL		CUM FEET			CORING		TEST BOP		
O/W RATIO		CUM HOURS			CIRC/COND	1.25	DST		
MBT		CUM ROP			TRIPS	8.50	PLUG BACK		
Pm		WOB (min/max)			SRVC RIG		SQUEEZE		
Pf/Mf		RPM (min/max)			REPAIR RIG		FISHING		
Cl (ppm)		HHP/IN2			DRLG LINE		DIR WORK	1.75	
Ca (ppm)		JET VEL			SURVEY		OTHER		
LIME/ES		WHY PULLED			LOGGING	3.75			
SEEP LOSS		CONDITION							
MUD DISCH		ADDITIVES (sacks)			DEVIATION SURVEYS		MUD PUMPS		
# CENT HRS				DEPTH	DEVIATION	AZIM	PUMP #1	PUMP #2	
DAILY COST							PRESSURE	700	
CUM COST							SPM	64	
INVENTORY							LINER (in)	5.50	
BARITE							STROKE (in)	14.00	
DIESEL							OUTPUT (gpm)	297.500	
WHOLE MUD							AVDP (fpm)		
							AVDC (fpm)		
							SPP(spm/psi)		
LAST CASING				MUD LOGGING		BHA DATA			
DEPTH				BGG	0	BHA NAME	SECOND MILL RUN		
SIZE				CONN	0	PURPOSE	TO CUT WINDOW		
PIT EMW				TRIP	0	HOOK LOAD		PU WEIGHT	
LAST TEST	/ /					DRAG		SO WEIGHT	
OPERATION									
FROM	TO	HRS	CODE	SUB	DETAIL			ITEM	LENGTH
05:00	08:45	3.75	11	a	GYRO HOLE			WINDOW MILL	1.57
08:45	10:30	1.75	20	a	ORIENT AND SET WHIPSTOCK			BIT SUB	2.21
10:30	12:00	1.50	02	a	PICK UP KELLY AND MILL FROM 5378 TO 5379			3-1/2 DRILL PIPE	30.88
12:00	12:30	0.50	05	a	CIRC.			4-3/4 DRILL COLLARS	182.32
12:30	16:30	4.00	06	a	TRIP OUT OF HOLE; L.D. STARTING MILL AND PICKED UP WINDOW MILL, 1 JT DP, AND 6 DRILL COLLARS				
16:30	18:15	1.75	06	a	TRIP IN HOLE				
18:15	01:00	6.75	02	a	MILLED FROM 5379 TO 5395				
01:00	01:45	0.75	05	a	LOST PARTIAL RETURN ;SHUT DOWN TO FILL PITS				
01:45	02:15	0.50	02	a	DRLG 5395 TO 5396				
02:15	05:00	2.75	06	a	TRIP OUT FOR LAST MILL RUN				
DAILY	TOP OF WINDOW 5378; BOTTOM 5391; OPEN HOLE MADE 5'								
OPERATIONAL									
COMMENTS									
								TOTAL	216.98

DAILY DRILLING REPORT

WELL	1335RE EAST MOUNTAIN FEDERAL			DATE	10/04/94	OPERATOR	MERIDIAN OIL			
LOCATION	NWSW,35-016S-006E	MD/TVD	5,436.00 / 5,400.00	REPORT #	13	RIG NAME				
KB/GL ELEV	0.00	PROGRESS	33.00	CUR OP	DRILLING	SUPERVISOR	JIMMY REEDER 801-636-5176			
COUNTY, ST	EMERY, UTAH	SPUD DATE	09/29/94	DFS	0	AFE #	Y846			
MUD DATA		BIT RECORD			WELL COSTS					
MUD TYPE		BIT #	1			TANGIBLE	INTANGIBLE	TOTAL		
TIME		SERIAL #	CD4185		DAILY	0.00	62,559.35	62,559.35		
TEMP		SIZE (in)	6.125		CUMULATIVE	0.00	176,098.83	176,098.83		
DEPTH		MAKE	Reed		AUTHORIZED	18,000.00	512,820.00	530,820.00		
WEIGHT		TYPE	HP51A		BOP TEST DATA					
VISCOSITY		JETS(1/2/3)	/ /		DATE			PSI		
PV/YP		JETS(4/5/6)	/ /		LAST TEST	09/29/94	RAMS			
GELS(0/10)		JETS(TFA)	1.22		LAST DRILL	/ /	ANNULAR			
API WL		DEPTH IN	5403				MANIFOLD			
HTHP WL		DEPTH OUT	5468		TIME BREAKDOWN					
CAKE		FEET TODAY	33		RU/RD		CMT/CSG			
TS/LGS		HRS TODAY	7.50		DRLG	7.50	WOC			
HGS/SAND		ROP TODAY	4.40		RMG		NU BOP			
% OIL		CUM FEET	33		CORING		TEST BOP			
O/W RATIO		CUM HOURS	7.50		CIRC/COND	6.00	DST			
MBT		CUM ROP	4.40		TRIPS	6.50	PLUG BACK			
Pm		WOB (min/max)	1/ 2		SRVC RIG		SQUEEZE			
Pf/Mf		RPM (min/max)	90 / 90		REPAIR RIG		FISHING			
Cl (ppm)		HHP/IN2			DRLG LINE		DIR WORK	2.00		
Ca (ppm)		JET VEL			SURVEY	2.00	OTHER			
LIME/ES		WHY PULLED	BHA		LOGGING					
SEEP LOSS		CONDITION	1I							
MUD DISCH		ADDITIVES (sacks)		DEVIATION SURVEYS			MUD PUMPS			
# CENT HRS				DEPTH	DEVIATION	AZIM		PUMP #1	PUMP #2	
DAILY COST				5,300.0	1.760	261.00	PRESSURE	700		
CUM COST				5,348.0	1.600	266.21	SPM	64		
INVENTORY				5,378.0	0.530	295.44	LINER (in)	5.50		
BARITE							STROKE (in)	14.00		
DIESEL							OUTPUT (gpm)	297.500		
WHOLE MUD							AVDP (fpm)			
							AVDC (fpm)			
							SPP(spm/psi)			
LAST CASING				MUD LOGGING			BHA DATA			
DEPTH				BGG	0		BHA NAME	KOP ASSEMBLY		
SIZE				CONN	0		PURPOSE	KOP		
PIT EMW				TRIP	0		HOOK LOAD	60,000	PU WEIGHT	60,000
LAST TEST	/ /						DRAG		SO WEIGHT	58,000
OPERATION										
FROM	TO	HRS	CODE	SUB	DETAIL			ITEM		LENGTH
05:00	09:30	4.50	06	a	LAY DOWN 6 4-3/4 DRILL COLLARS; PICKUP BHA;			BIT		0.75
09:30	11:00	1.50	06	a	TRIP TO 4080			NAVADRILL MACH 1P/HF		19.80
11:00	14:30	3.50	05	a	BLOW HOLE DRY			UBHO		1.76
14:30	15:00	0.50	06	a	FINISH TRIP IN HOLE			NM DRILL COLLAR		28.70
15:00	16:30	1.50	05	a	BLOW HOLE DRY					
16:30	18:30	2.00	20	a	RIG UP GYRO AND ORIENT TOOL					
18:30	19:30	1.00	05	a	BLOW HOLE DRY					
19:30	00:00	4.50	02	a	DRLG WITH 1600 SCF/M. 7 GAL/MIN MIST					
00:00	02:00	2.00	10	a	CHECK TOOL FACE					
02:00	05:00	3.00	02	a	DRLG					
DAILY										
OPERATIONAL										
COMMENTS										
									TOTAL	51.01

DAILY DRILLING REPORT

WELL	1335RE EAST MOUNTAIN FEDERAL			DATE	10/05/94	OPERATOR	MERIDIAN OIL		
LOCATION	NWSW,35-016S-006E	MD/TVD	5,480.00 / 5,476.70	REPORT #	14	RIG NAME			
KB/GL ELEV	0.00	PROGRESS	44.00	CUR OP	TRIP OUT OF HOLE	SUPERVISOR	JIMMY REEDER 801-636-5176		
COUNTY, ST	EMERY, UTAH	SPUD DATE	09/29/94	DFS	0	AFE #	Y846		
MUD DATA		BIT RECORD			WELL COSTS				
MUD TYPE		BIT #	2	1		TANGIBLE	INTANGIBLE	TOTAL	
TIME		SERIAL #		CD4185	DAILY	0.00	27,711.75	27,711.75	
TEMP		SIZE (in)	6.125	6.125	CUMMULATIVE	0.00	203,810.58	203,810.58	
DEPTH		MAKE	Reed	Reed	AUTHORIZED	18,000.00	512,820.00	530,820.00	
WEIGHT		TYPE	HP51A	HP51A	BOP TEST DATA				
VISCOSITY	JETS(1/2/3)	/ /	/ /		DATE			PSI	
PV/YP	JETS(4/5/6)	/ /	/ /		LAST TEST	09/29/94	RAMS		
GELS(0/10)	JETS(TFA)	1.22	1.22		LAST DRILL	/ /	ANNULAR		
API WL	DEPTH IN	5468	5403				MANIFOLD		
HTHP WL	DEPTH OUT	5752	5468		TIME BREAKDOWN				
CAKE	FEET TODAY	12	32		RU/RD		CMT/CSG		
TS/LGS	HRS TODAY	3.50	6.50		DRLG	7.25	WOC		
HGS/SAND	ROP TODAY	3.43	4.92		RMG	1.50	NU BOP		
% OIL	CUM FEET	12	65		CORING		TEST BOP		
O/W RATIO	CUM HOURS	3.50	14.00		CIRC/COND		DST		
MBT	CUM ROP	3.43	4.64		TRIPS	6.50	PLUG BACK		
Pm	WOB (min/max)	5/ 5	1/ 4		SRVC RIG		SQUEEZE		
Pf/Mf	RPM (min/max)	225 / 225	246 / 246		REPAIR RIG		FISHING		
Cl (ppm)	HHP/IN2				DRLG LINE		DIR WORK		
Ca (ppm)	JET VEL	78.2	78.2		SURVEY	4.00	OTHER	4.25	
LIME/ES	WHY PULLED	PR	BHA		LOGGING				
SEEP LOSS	CONDITION	F1	11						
MUD DISCH		ADDITIVES (sacks)		DEVIATION SURVEYS			MUD PUMPS		
# CENT HRS				DEPTH	DEVIATION	AZIM	PUMP #1	PUMP #2	
DAILY COST				5,409.0	3.000	50.11	PRESSURE	700	
CUM COST				5,440.0	7.970	52.76	SPM	64	
INVENTORY							LINER (in)	5.50	
BARITE							STROKE (in)	14.00	
DIESEL							OUTPUT (gpm)	297.500	
WHOLE MUD							AVDP (fpm)		
							AVDC (fpm)		
							SPP(spm/psi)		
LAST CASING				MUD LOGGING		BHA DATA			
DEPTH				BGG	0	BHA NAME	KOP ASSEMBLY #2		
SIZE				CONN	0	PURPOSE	KOP		
PIT EMW				TRIP	0	HOOK LOAD	62,000	PU WEIGHT	62,000
LAST TEST	/ /					DRAG		SO WEIGHT	58,000
OPERATION									
FROM	TO	HRS	CODE	SUB	DETAIL			ITEM	LENGTH
05:00	05:30	0.50	02	a	DRILLING			BIT	0.75
05:30	08:00	2.50	10	a	DEVIATION SURVEY			NAVADRILL MACH 1P/HF	19.05
08:00	11:00	3.00	02	a	DRILLING			NM DRILL COLLAR	28.70
11:00	12:30	1.50	10	a	DEVIATION SURVEY			SOFT RIDE SHORT N.M D.C.	17.70
12:30	15:00	2.50	06	a	TRIP OUT OF HOLE			DRILL COLLAR N.M.	31.08
15:00	16:30	1.50	06	a	ADJUST AKO FROM 2.2 TO 2.0;PICK UPSOFT RIDE MONEL, AND NM CRILL COLLAR				
16:30	18:30	2.00	06	a	TRIP IN HOLE				
18:30	20:00	1.50	21	a	RIG UP WET CONNECT.				
20:00	20:30	0.50	06	a	TRIP INTO 5332				
20:30	22:00	1.50	03	a	WASH THROUGH BRIDGE AT 5432				
22:00	00:45	2.75	21	a	WORK ON WET CONNECT				
DAILY									
OPERATIONAL									
COMMENTS									
								TOTAL	97.28

DAILY DRILLING REPORT

WELL	1335RE EAST MOUNTAIN FEDERAL			DATE	10/07/94	OPERATOR	MERIDIAN OIL			
LOCATION	NWSW,35-016S-006E	MD/TVD	5,682.00 / 5,655.90	REPORT #	16	RIG NAME				
KB/GL ELEV	0.00	PROGRESS	143.00	CUR OP	DRILLING BUILD SE	SUPERVISOR	S. CARROLL 801-636-5176			
COUNTY, ST	EMERY, UTAH	SPUD DATE	09/29/94	DFS	0	AFE #	Y846			
MUD DATA		BIT RECORD			WELL COSTS					
MUD TYPE	AIR/MIST	BIT #	2			TANGIBLE	INTANGIBLE	TOTAL		
TIME	12:00	SERIAL #				DAILY	0.00	21,366.75	21,366.75	
TEMP	0	SIZE (in)	6.125			CUMMULATIVE	0.00	245,214.08	245,214.08	
DEPTH	5559.00	MAKE	Reed			AUTHORIZED	18,000.00	512,820.00	530,820.00	
WEIGHT	8.4	TYPE	HP51A			BOP TEST DATA				
VISCOSITY	26	JETS(1/2/3)	/ /			DATE			PSI	
PV/YP	/	JETS(4/5/6)	/ /			LAST TEST	09/29/94	RAMS		
GELS(0/10)	/	JETS(TFA)	1.22			LAST DRILL	/ /	ANNULAR		
API WL		DEPTH IN	5468					MANIFOLD		
HTHP WL		DEPTH OUT	5752			TIME BREAKDOWN				
CAKE		FEET TODAY	143			RU/RD		CMT/CSG		
TS/LGS	/	HRS TODAY	22.50			DRLG	24.00	WOC		
HGS/SAND	/	ROP TODAY	6.36			RMG		NU BOP		
% OIL		CUM FEET	214			CORING		TEST BOP		
O/W RATIO		CUM HOURS	39.50			CIRC/COND		DST		
MBT		CUM ROP	5.42			TRIPS		PLUG BACK		
Pm		WOB (min/max)	3000/ 8000			SRVC RIG		SQUEEZE		
Pf/Mf	/	RPM (min/max)	160 / 160			REPAIR RIG		FISHING		
Cl (ppm)	11,000	HHP/IN2				DRLG LINE		DIR WORK		
Ca (ppm)		JET VEL	78.2			SURVEY		OTHER		
LIME/ES	0.0/	WHY PULLED	PR			LOGGING				
SEEP LOSS		CONDITION	F1							
MUD DISCH	0.0	ADDITIVES (sacks)		DEVIATION SURVEYS			MUD PUMPS			
# CENT HRS				DEPTH	DEVIATION	AZIM		PUMP #1	PUMP #2	
DAILY COST	21,366.75			5,498.0	16.900	53.10	PRESSURE			
CUM COST	245,214.08			5,529.0	20.570	60.13	SPM			
INVENTORY				5,560.0	24.050	62.66	LINER (in)	5.50		
BARITE				5,590.0	27.460	65.32	STROKE (in)	14.00		
DIESEL				5,621.0	31.640	67.20	OUTPUT (gpm)			
WHOLE MUD							AVDP (fpm)			
							AVDC (fpm)			
							SPP(spm/psi)			
LAST CASING				MUD LOGGING			BHA DATA			
DEPTH				BGG	0					
SIZE				CONN	0	BHA NAME	KOP ASSEMBLY #3			
PIT EMW				TRIP	0	PURPOSE	KOP			
LAST TEST	/ /					HOOK LOAD	64,000	PU WEIGHT	67,000	
OPERATION							DRAG	3,000	SO WEIGHT	61,000
FROM	TO	HRS	CODE	SUB	DETAIL			ITEM		LENGTH
05:00	05:00	24.00	02	a	DRLG TO 5682'MD (1 1/2 HRS SURVEY)			BIT		0.75
					ADD ADDITIONAL AIR COMPRESSOR @ 5578'MD,			NAVADRILL MACH 1/AD		19.22
					AVERAGE P-RATE = 10-12'/HR			NM DRILL COLLAR		28.70
					AIR: 1560 scf/min?			SOFT RIDE SHORT N.M D.C.		17.70
					MIST: 15 gpm			DRILL COLLAR N.M.		31.08
DAILY				DRILL BUILD SECTION TO 5682'MD						
OPERATIONAL				BIT PROJECTION: INC <= 39.8, TVD = 5655.9, AVERAGE BUR =						
COMMENTS				12 DEG/100', BRN = 15.1 DEG/100'			TOTAL		97.45	

DAILY DRILLING REPORT

WELL	1335RE EAST MOUNTAIN FEDERAL			DATE	10/08/94	OPERATOR	MERIDIAN OIL			
LOCATION	NWSW,35-016S-006E	MD/TVD	5,752.00 / 5,700.00		REPORT #	17	RIG NAME			
KB/GL ELEV	0.00	PROGRESS	70.00		CUR OP	WASH/REAM TO BTM	SUPERVISOR	S. CARROLL 801-636-5176		
COUNTY, ST	EMERY, UTAH	SPUD DATE	09/29/94		DFS	0	AFE #	Y846		
MUD DATA		BIT RECORD				WELL COSTS				
MUD TYPE	AIR/MIST	BIT #	3	2		TANGIBLE	INTANGIBLE	TOTAL		
TIME	14:00	SERIAL #	JC6291			DAILY	0.00	32,033.75	32,033.75	
TEMP	0	SIZE (in)	6.125	6.125		CUMMULATIVE	0.00	277,247.83	277,247.83	
DEPTH	5752.00	MAKE	Reed	Reed		AUTHORIZED	18,000.00	512,820.00	530,820.00	
WEIGHT	8.4	TYPE	HP53	HP51A		BOP TEST DATA				
VISCOSITY	26	JETS(1/2/3)	28 /28 /28	/ /		DATE			PSI	
PV/YP	/	JETS(4/5/6)	/ /	/ /		LAST TEST	09/29/94	RAMS		
GELS(0/10)	/	JETS(TFA)	1.80	1.22		LAST DRILL	/ /	ANNULAR		
API WL		DEPTH IN	5752	5468				MANIFOLD		
HTHP WL		DEPTH OUT	5906	5752		TIME BREAKDOWN				
CAKE		FEET TODAY		70		RU/RD		CMT/CSG		
TS/LGS	/	HRS TODAY		7.00		DRLG	7.00	WOC		
HGS/SAND	/	ROP TODAY		10.00		RMG		NU BOP		
% OIL		CUM FEET		284		CORING		TEST BOP		
O/W RATIO		CUM HOURS		46.50		CIRC/COND		DST		
MBT		CUM ROP		6.11		TRIPS	15.00	PLUG BACK		
Pm		WOB (min/max)	/	3000/ 8000		SRVC RIG		SQUEEZE		
Pf/Mf	/	RPM (min/max)	/	160 / 160		REPAIR RIG		FISHING		
Cl (ppm)	10,000	HHP/IN2				DRLG LINE	2.00	DIR WORK		
Ca (ppm)		JET VEL		78.2		SURVEY		OTHER		
LIME/ES	0.0/	WHY PULLED	BHA	PR		LOGGING				
SEEP LOSS		CONDITION	E1	F1						
MUD DISCH	0.0	ADDITIVES (sacks)		DEVIATION SURVEYS			MUD PUMPS			
# CENT HRS				DEPTH	DEVIATION	AZIM		PUMP #1	PUMP #2	
DAILY COST	32,033.75			5,652.0	36.200	69.10	PRESSURE			
CUM COST	277,247.83			5,684.0	40.900	71.50	SPM			
INVENTORY							LINER (in)	5.50		
BARITE							STROKE (in)	14.00		
DIESEL							OUTPUT (gpm)			
WHOLE MUD							AVDP (fpm)			
							AVDC (fpm)			
							SPP(spm/psi)			
LAST CASING				MUD LOGGING		BHA DATA				
DEPTH				BGG	0	BHA NAME	KOP ASSEMBLY #4			
SIZE				CONN	0	PURPOSE	DRILL BUILD SECTION			
PIT EMW				TRIP	0	HOOK LOAD		PU WEIGHT		
LAST TEST	/ /					DRAG		SO WEIGHT		
OPERATION										
FROM	TO	HRS	CODE	SUB	DETAIL		ITEM		LENGTH	
05:00	12:00	7.00	02	a	DRLG TO 5752'MD (1 HR SURVEY)		BIT		0.75	
12:00	15:30	3.50	06	a	PULL 6 STDS TO WET CONNECT SUB, POOH w/ WIRE-LINE AND STEERING TOOL, TOOH TO BHA		MOTOR, AKO (SET @ 2.0)		19.53	
15:30	17:00	1.50	06	a	CHANGE BIT AND MOTOR		MACH 1 AD, 5 7/8" BTM IBS		28.70	
17:00	19:00	2.00	09	a	CUT OFF DRILL LINE		NMDC		17.70	
19:00	20:00	1.00	06	a	SERVICE "SOFT RIDE" SLEEVE IN NMDC		"SOFT RIDE" SHORT NMDC		31.08	
20:00	22:30	2.50	06	a	TIH TO WET CONNECT SUB		NMDC			
22:30	01:00	2.50	06	a	INSTALL STEERING TOOL/WET CONNECT					
01:00	02:00	1.00	06	a	TIHP					
02:00	05:00	3.00	06	a	WASH/REAM 105' TO BTM					
DAILY										
DRILLING TO 5752', TRIP @ 5752', TIH, WASH/REAM TO BTM										
OPERATIONAL										
BIT PROJECTION: INC <= 49.9, TVD = 5700', BRN = 14.7										
COMMENTS										
CHANGE SURVEYS!(MAG DECLINATION NOT ADDED BY SCIENTIFIC INTL									TOTAL	97.76

DAILY DRILLING REPORT

WELL	1335RE EAST MOUNTAIN FEDERAL			DATE	10/09/94	OPERATOR	MERIDIAN OIL			
LOCATION	NWSW,35-016S-006E	MD/TVD	5,896.00 / 5,766.00	REPORT #	18	RIG NAME				
KB/GL ELEV	0.00	PROGRESS	144.00	CUR OP	DRILLING BUILD SE	SUPERVISOR	S. CARROLL 801-636-5176			
COUNTY, ST	EMERY, UTAH	SPUD DATE	09/29/94	DFS	10	AFE #	Y846			
MUD DATA		BIT RECORD			WELL COSTS					
MUD TYPE	AIR/MIST	BIT #	3			TANGIBLE	INTANGIBLE	TOTAL		
TIME	09:30	SERIAL #	JC6291			DAILY	0.00	29,379.00	29,379.00	
TEMP	0	SIZE (in)	6.125			CUMMULATIVE	0.00	306,626.83	306,626.83	
DEPTH	5797.00	MAKE	Reed			AUTHORIZED	18,000.00	512,820.00	530,820.00	
WEIGHT	8.5	TYPE	HP53			BOP TEST DATA				
VISCOSITY	27	JETS(1/2/3)	28 /28 /28			DATE			PSI	
PV/YP	/	JETS(4/5/6)	/ /			LAST TEST	09/29/94	RAMS		
GELS(0/10)	/	JETS(TFA)	1.80			LAST DRILL	/ /	ANNULAR		
API WL		DEPTH IN	5752					MANIFOLD		
HHP WL		DEPTH OUT	5906			TIME BREAKDOWN				
CAKE		FEET TODAY	144			RU/RD		CMT/CSG		
TS/LGS	/	HRS TODAY	24.00			DRLG	24.00	WOC		
HGS/SAND	/	ROP TODAY	6.00			RMG		NU BOP		
% OIL		CUM FEET	144			CORING		TEST BOP		
O/W RATIO		CUM HOURS	24.00			CIRC/COND		DST		
MBT		CUM ROP	6.00			TRIPS		PLUG BACK		
Pm		WOB (min/max)	3000/ 6000			SRVC RIG		SQUEEZE		
Pf/Mf	/	RPM (min/max)	200 / 200			REPAIR RIG		FISHING		
Cl (ppm)	11,000	HHP/IN2				DRLG LINE		DIR WORK		
Ca (ppm)		JET VEL				SURVEY		OTHER		
LIME/ES	0.0/	WHY PULLED	BHA			LOGGING				
SEEP LOSS		CONDITION	E1							
MUD DISCH	0.0	ADDITIVES (sacks)		DEVIATION SURVEYS			MUD PUMPS			
# CENT HRS		KCL	20	DEPTH	DEVIATION	AZIM		PUMP #1	PUMP #2	
DAILY COST	29,379.00	ANCO 2000 I	2	5,715.0	45.400	73.70	PRESSURE			
CUM COST	306,626.83			5,746.0	49.900	74.10	SPM			
INVENTORY				5,777.0	55.500	73.50	LINER (in)	5.50		
BARITE				5,808.0	61.600	72.90	STROKE (in)	14.00		
DIESEL							OUTPUT (gpm)			
WHOLE MUD							AVDP (fpm)			
							AVDC (fpm)			
							SPP(spm/psi)			
LAST CASING				MUD LOGGING			BHA DATA			
DEPTH				BGG	0		BHA NAME	KOP ASSEMBLY #4		
SIZE				CONN	0		PURPOSE	DRILL BUILD SECTION		
PIT EMW				TRIP	0		HOOK LOAD	66,000	PU WEIGHT	85,000
LAST TEST	/ /						DRAG	19,000	SO WEIGHT	50,000
OPERATION										
FROM	TO	HRS	CODE	SUB	DETAIL			ITEM		LENGTH
05:00	11:00	6.00	02	a	DRLG			BIT		0.75
11:00	12:00	1.00	02	a	HOLE PACKED OFF, WORK TIGHT HOLE @ 5832'MD			MOTOR, AKO (SET @ 2.0)		19.53
12:00	22:30	10.50	02	a	DRLG			MACH 1 AD, 5 7/8" BTM IBS		
22:30	00:00	1.50	02	a	HOLE PACKED OFF, WORK TIGHT HOLE @ 5871'MD			NMDC		28.70
00:00	05:00	5.00	02	a	DRLG TO 5896'MD			"SOFT RIDE" SHORT NMDC		17.70
								NMDC		31.08
DAILY	DRILLING TO 5896'MD, CONTROL DRILLING(DRILL 2-3', BACKREAM)									
OPERATIONAL	BIT PROJECTION: INC < = 77.1, TVD = 5766'									
COMMENTS	EST. END OF BUILD @ 5931'MD,5773'TVD(11'ABOVE TARGET) 82 DEG								TOTAL	97.76

DAILY DRILLING REPORT

WELL	1335RE EAST MOUNTAIN FEDERAL			DATE	10/10/94	OPERATOR	MERIDIAN OIL
LOCATION	NWSW,35-016S-006E	MD/TVD	5,923.00 / 5,768.80	REPORT #	19	RIG NAME	
KB/GL ELEV	0.00	PROGRESS	27.00	CUR OP	DRILLING	SUPERVISOR	S. CARROLL 801-636-5176
COUNTY, ST	EMERY, UTAH	SPUD DATE	09/29/94	DFS	11	AFE #	Y846

MUD DATA		BIT RECORD			WELL COSTS				
MUD TYPE	AIR/MIST	BIT #	4	3		TANGIBLE	INTANGIBLE	TOTAL	
TIME	15:30	SERIAL #	DM7426	JC6291		DAILY	0.00	19,499.00	19,499.00
TEMP	0	SIZE (in)	6.125	6.125		CUMMULATIVE	0.00	326,125.83	326,125.83
DEPTH	5906.00	MAKE	Reed	Reed		AUTHORIZED	18,000.00	512,820.00	530,820.00

BOP TEST DATA			
WEIGHT	8.5	TYPE	EHP62K HP53
VISCOSITY	26	JETS(1/2/3)	28 /28 /28
PV/YP	/	JETS(4/5/6)	/ / /
GELS(0/10)	/	JETS(TFA)	1.80 1.80
API WL		DEPTH IN	5906 5752
HHP WL		DEPTH OUT	6235 5906
		DATE	
		PSI	

TIME BREAKDOWN			
CAKE		FEET TODAY	17 10
TS/LGS	/	HRS TODAY	3.00 6.00
HGS/SAND	/	ROP TODAY	5.67 1.67
% OIL		CUM FEET	17 154
O/W RATIO		CUM HOURS	3.00 30.00
MBT		CUM ROP	5.67 5.13
Pm		WOB (min/max)	3000/ 5000 3000/ 6000
Pf/Mf	/	RPM (min/max)	200 / 200 200 / 200
Cl (ppm)	12,000	HHP/IN2	
Ca (ppm)		JET VEL	
LIME/ES	0.0/	WHY PULLED	HR BHA
SEEP LOSS		CONDITION	43 E1

MUD DISCH		ADDITIVES (gacks)		DEVIATION SURVEYS			MUD PUMPS	
MUD DISCH	0.0	ANCO 2000 I	3	DEPTH	DEVIATION	AZIM		
# CENT HRS							PUMP #1	PUMP #2
DAILY COST	19,499.00						PRESSURE	
CUM COST	326,125.83						SPM	
INVENTORY							LINER (in)	5.50
BARITE							STROKE (in)	14.00
DIESEL							OUTPUT (gpm)	
WHOLE MUD							AVDP (fpm)	
							AVDC (fpm)	
							SPP(spm/psi)	

LAST CASING			MUD LOGGING		BHA DATA			
DEPTH			BGG	2	BHA NAME	LATERAL ASSEMBLY #1		
SIZE			CONN	95	PURPOSE	DRILL LATERAL HOLE		
PIT EMW			TRIP	992	HOOK LOAD	66,000	PU WEIGHT	80,000
LAST TEST	/ /				DRAG	14,000	SO WEIGHT	50,000

OPERATION					ITEM		LENGTH
FROM	TO	HRS	CODE	SUB	DETAIL		
05:00	11:00	6.00	02	a	DRLG TO END OF BUILD SECTION @ 5906'MD	BIT	0.75
11:00	15:00	4.00	06	a	TRIP TO ADJUST MOTOR	MOTOR, AKO (SET @ 1.0)	19.53
15:00	18:30	3.50	06	a	CHANGE BIT, ADJUST MOTOR, FUNCTION TEST PIPE/ BLIND RAMS/HYDRIL, TIH TO WINDOW IN CSG	MACH 1 AD, 5 7/8" BTM IBS	
						NMDC	28.70
18:30	20:00	1.50	06	a	INSTALL STEERING TOOL/WET CONNECT	"SOFT RIDE" SHORT NMDC	16.63
20:00	21:30	1.50	06	a	TIH, BRIDGE OR FILL @ 5774'MD	NMDC	31.08
21:30	02:00	4.50	06	a	WASH/REAM 132' TO BTM		
02:00	05:00	3.00	02	a	DRLG TO 5923'MD		

DAILY	DRILLING TO END OF CURVE @ 5906'MD: INC < = 83, TVD = 5765'		
OPERATIONAL	BIT PROJECTION: INC < = 83, TVD = 5769'(15.5' ABOVE TARGET)		
COMMENTS	DUE TO HIGH DOGLEGS(19-22 DEG): WILL SLIDE FIRST 70'MD	TOTAL	96.69

DAILY DRILLING REPORT

WELL	1335RE EAST MOUNTAIN FEDERAL			DATE	10/11/94	OPERATOR	MERIDIAN OIL			
LOCATION	NWSW,35-016S-006E	MD/TVD	5,959.00 / 5,776.20	REPORT #	20	RIG NAME				
KB/GL ELEV	0.00	PROGRESS	36.00	CUR OP	CIRC,ROTATING/WOR	SUPERVISOR	S. CARROLL 801-636-5176			
COUNTY, ST	EMERY, UTAH	SPUD DATE	09/29/94	DFS	12	AFE #	Y846			
MUD DATA		BIT RECORD			WELL COSTS					
MUD TYPE	AIR/MIST	BIT #	4			TANGIBLE	INTANGIBLE	TOTAL		
TIME	16:00	SERIAL #	DM7426			DAILY	0.00	19,499.00	19,499.00	
TEMP	0	SIZE (in)	6.125			CUMMULATIVE	0.00	345,624.83	345,624.83	
DEPTH	5958.00	MAKE	Reed			AUTHORIZED	18,000.00	512,820.00	530,820.00	
WEIGHT	8.5	TYPE	EHP62K			BOP TEST DATA				
VISCOSITY	26	JETS(1/2/3)	28 /28 /28			DATE			PSI	
PV/YP	/	JETS(4/5/6)	/ /			LAST TEST	09/29/94	RAMS		
GELS(0/10)	/	JETS(TFA)	1.80			LAST DRILL	/ /	ANNULAR		
API WL		DEPTH IN	5906					MANIFOLD		
HTHP WL		DEPTH OUT	6235			TIME BREAKDOWN				
CAKE		FEET TODAY	36			RU/RD		CMT/CSG		
TS/LGS	/	HRS TODAY	16.00			DRLG	13.00	WOC		
HGS/SAND	/	ROP TODAY	2.25			RMG	10.00	NU BOP		
% OIL		CUM FEET	53			CORING		TEST BOP		
O/W RATIO		CUM HOURS	19.00			CIRC/COND		DST		
MBT		CUM ROP	2.79			TRIPS		PLUG BACK		
Pm		WOB (min/max)	3000/ 5000			SRVC RIG		SQUEEZE		
Pf/Mf	/	RPM (min/max)	200 / 200			REPAIR RIG		FISHING		
Cl (ppm)	13,000	HHP/IN2				DRLG LINE		DIR WORK		
Ca (ppm)		JET VEL				SURVEY		OTHER		
LIME/ES	0.0/	WHY PULLED	HR			LOGGING				
SEEP LOSS		CONDITION	43							
MUD DISCH	0.0	ADDITIVES (sacks)		DEVIATION SURVEYS			MUD PUMPS			
# CENT HRS		KCL	17	DEPTH	DEVIATION	AZIM		PUMP #1	PUMP #2	
DAILY COST	19,499.00	ANCO 2000 I	2	5,838.0	68.300	71.90	PRESSURE			
CUM COST	345,624.83			5,867.0	74.700	73.10	SPM			
INVENTORY				5,899.0	77.800	73.70	LINER (in)	5.50		
BARITE							STROKE (in)	14.00		
DIESEL							OUTPUT (gpm)			
WHOLE MUD							AVDP (fpm)			
							AVDC (fpm)			
							SPP(spm/psi)			
LAST CASING				MUD LOGGING			BHA DATA			
DEPTH				BGG	0	BHA NAME	LATERAL ASSEMBLY #1			
SIZE				CONN	0	PURPOSE	DRILL LATERAL HOLE			
PIT EMW				TRIP	0	HOOK LOAD	66,000	PU WEIGHT	80,000	
LAST TEST	/ /					DRAG	14,000	SO WEIGHT	50,000	
OPERATION										
FROM	TO	HRS	CODE	SUB	DETAIL					LENGTH
05:00	11:00	6.00	02	a	DRLG					0.75
11:00	11:30	0.50	02	a	REPAIR MIST PUMP					19.53
11:30	13:30	2.00	02	a	DRLG					MACH 1 AD, 5 7/8" BTM IBS
13:30	14:30	1.00	03	a	STUCK/PACKED OFF, WORK PIPE FREE					NMDC
14:30	19:00	4.50	02	a	DRLG TO 5959'MD					"SOFT RIDE" SHORT NMDC
19:00	04:00	9.00	03	a	PIPE STUCK/PACKED OFF 17' OFF BTM, POOR CIRCULATION. THREW IN SLIPS AND BACK REAMED					NMDC
					1 JT OUT OF HOLE. RE-ESTABLISHED GOOD CIRC.					
					REAMED TO BTM @ 5959'MD. PRESENTLY W/O					
					REPAIRS TO WIRELINE CUT OFF BAD LINE, RE-HEAD					
					CABLE), ONE COMPRESSOR DOWN, 2 ON HOLE.					
DAILY	DRILLING TO 5959'MD									
OPERATIONAL	BIT PROJECTION: INC <= 81, TVD = 5776'(7-8' ABOVE TARGET)									
COMMENTS										
									TOTAL	96.69

DAILY DRILLING REPORT

WELL	1335RE EAST MOUNTAIN FEDERAL			DATE	10/12/94	OPERATOR	MERIDIAN OIL				
LOCATION	NWSW,35-016S-006E	MD/TVD	6,135.00 / 5,799.00	REPORT #	21	RIG NAME					
KB/GL ELEV	0.00	PROGRESS	176.00	CUR OP	DRILLING LATERAL	SUPERVISOR	S. CARROLL 801-636-5176				
COUNTY, ST	EMERY, UTAH	SPUD DATE	09/29/94	DFS	13	AFE #	Y846				
MUD DATA		BIT RECORD			WELL COSTS						
MUD TYPE	AIR/MIST	BIT #	4			TANGIBLE	INTANGIBLE	TOTAL			
TIME	15:00	SERIAL #	DM7426			DAILY	0.00	23,579.00	23,579.00		
TEMP	0	SIZE (in)	6.125			CUMMULATIVE	0.00	369,203.83	369,203.83		
DEPTH	6032.00	MAKE	Reed			AUTHORIZED	18,000.00	512,820.00	530,820.00		
WEIGHT	8.5	TYPE	EHP62K			BOP TEST DATA					
VISCOSITY	27	JETS(1/2/3)	28 /28 /28			DATE			PSI		
PV/YP	/	JETS(4/5/6)	/ /			LAST TEST	09/29/94	RAMS			
GELS(0/10)	/	JETS(TFA)	1.80			LAST DRILL	/ /	ANNULAR			
API WL		DEPTH IN	5906					MANIFOLD			
HTHP WL		DEPTH OUT	6235			TIME BREAKDOWN					
CAKE		FEET TODAY	176			RU/RD		CMT/CSG			
TS/LGS	/	HRS TODAY	22.00			DRLG	20.00	WOC			
HGS/SAND	/	ROP TODAY	8.00			RMG	2.00	NU BOP			
% OIL		CUM FEET	229			CORING		TEST BOP			
O/W RATIO		CUM HOURS	41.00			CIRC/COND		DST			
MBT		CUM ROP	5.59			TRIPS		PLUG BACK			
Pm		WOB (min/max)	3000/24000			SRVC RIG		SQUEEZE			
Pf/Mf	/	RPM (min/max)	200 / 200			REPAIR RIG	2.00	FISHING			
Cl (ppm)	13,000	HHP/IN2				DRLG LINE		DIR WORK			
Ca (ppm)		JET VEL				SURVEY		OTHER			
LIME/ES	0.0/	WHY PULLED	HR			LOGGING					
SEEP LOSS		CONDITION	43								
MUD DISCH	0.0	ADDITIVES (sacks)		DEVIATION SURVEYS			MUD PUMPS				
# CENT HRS		ANCO 2000 I	5	DEPTH	DEVIATION	AZIM		PUMP #1	PUMP #2		
DAILY COST	23,579.00	KCL	34	5,930.0	79.070	73.00	PRESSURE				
CUM COST	369,203.83			5,961.0	81.300	72.30	SPM				
INVENTORY				5,992.0	81.800	73.20	LINER (in)	5.50			
BARITE				6,023.0	82.100	73.40	STROKE (in)	14.00			
DIESEL				6,053.0	82.600	73.00	OUTPUT (gpm)				
WHOLE MUD							AVDP (fpm)				
							AVDC (fpm)				
							SPP(spm/psi)				
LAST CASING				MUD LOGGING			BHA DATA				
DEPTH				BGG	0	BHA NAME					
SIZE				CONN	0	LATERAL ASSEMBLY #1					
PIT EMW				TRIP	0	PURPOSE					
LAST TEST	/ /					HOOK LOAD		64,000	PU WEIGHT	80,000	
OPERATION						DRAG		16,000	SO WEIGHT	50,000	
FROM	TO	HRS	CODE	SUB	DETAIL		ITEM		LENGTH		
05:00	07:00	2.00	03	a	CIRC/CLEAN HOLE, W/O REPAIRS TO WIRELINE AND COMPRESSOR		BIT		0.75		
							MOTOR, AKO (SET @ 1.0)		19.53		
07:00	09:00	2.00	08	b	REPAIR WIRELINE: CUT OFF BAD LINE, RE-HEAD		MACH 1 AD, 5 7/8" BTM IBS				
					RE-START 3rd COMPRESSOR		NMDC		28.70		
09:00	05:00	20.00	02	a	DRLG TO 6135'MD		"SOFT RIDE" SHORT NMDC		16.63		
							NMDC		31.08		
DAILY		FERRON TARGET ENTRY: 6033'MD, 5787' TVD, 82.3 INC <									
OPERATIONAL		BIT PROJECTION: 84.7 INC <, TVD = 5799'(13.2' BELOW TOP)									
COMMENTS		TOTAL IN ZONE: 102', SLIDING 5-6'/HR, SLIDE REMAINING: 65-75'							TOTAL	96.69	

DAILY DRILLING REPORT

WELL	1335RE EAST MOUNTAIN FEDERAL			DATE	10/13/94	OPERATOR	MERIDIAN OIL		
LOCATION	NWSW,35-016S-006E	MD/TVD	6,235.00 / 5,803.20	REPORT #	22	RIG NAME			
KB/GL ELEV	0.00	PROGRESS	100.00	CUR OP	TRIP FOR WET LATC	SUPERVISOR	S. CARROLL 801-636-5176		
COUNTY, ST	EMERY, UTAH	SPUD DATE	09/29/94	DFS	14	AFE #	Y846		
MUD DATA		BIT RECORD			WELL COSTS				
MUD TYPE	AIR/MIST	BIT #	4			TANGIBLE	INTANGIBLE	TOTAL	
TIME	15:00	SERIAL #	DM7426			DAILY	0.00	19,215.00	
TEMP	0	SIZE (in)	6.125			CUMMULATIVE	0.00	388,418.83	
DEPTH	6032.00	MAKE	Reed			AUTHORIZED	18,000.00	512,820.00	
WEIGHT	8.5	TYPE	EHP62K			BOP TEST DATA			
VISCOSITY	27	JETS(1/2/3)	28 /28 /28			DATE		PSI	
PV/YP	/	JETS(4/5/6)	/ /			LAST TEST	09/29/94	RAMS	
GELS(0/10)	/	JETS(TFA)	1.80			LAST DRILL	/ /	ANNULAR	
API WL		DEPTH IN	5906					MANIFOLD	
HTHP WL		DEPTH OUT	6235			TIME BREAKDOWN			
CAKE		FEET TODAY	100			RU/RD		CMT/CSG	
TS/LGS	/	HRS TODAY	17.00			DRLG	17.00	WOC	
HGS/SAND	/	ROP TODAY	5.88			RMG		NU BOP	
% OIL		CUM FEET	329			CORING		TEST BOP	
O/W RATIO		CUM HOURS	58.00			CIRC/COND		DST	
MBT		CUM ROP	5.67			TRIPS	1.00	PLUG BACK	
Pm		WOB (min/max)	3000/24000			SRVC RIG		SQUEEZE	
Pf/Mf	/	RPM (min/max)	200 / 200			REPAIR RIG		FISHING	
Cl (ppm)	13,000	HHP/IN2				DRLG LINE		DIR WORK	
Ca (ppm)		JET VEL				SURVEY	2.00	OTHER	
LIME/ES	0.0/	WHY PULLED	HR			LOGGING			
SEEP LOSS		CONDITION	43						
MUD DISCH	0.0	ADDITIVES (sacks)		DEVIATION SURVEYS			MUD PUMPS		
# CENT HRS				DEPTH	DEVIATION	AZIM		PUMP #1	
DAILY COST	19,215.00			6,084.0	83.300	72.40	PRESSURE		
CUM COST	388,418.83			6,115.0	83.900	72.60	SPM		
INVENTORY							LINER (in)	5.50	
BARITE							STROKE (in)	14.00	
DIESEL							OUTPUT (gpm)		
WHOLE MUD							AVDP (fpm)		
							AVDC (fpm)		
							SPP(spm/psi)		
LAST CASING				MUD LOGGING		BHA DATA			
DEPTH				BGG	0	BHA NAME	LATERAL ASSEMBLY #1		
SIZE				CONN	0	PURPOSE	DRILL LATERAL HOLE		
PIT EMW				TRIP	0	HOOK LOAD	64,000	PU WEIGHT	80,000
LAST TEST	/ /					DRAG	16,000	SO WEIGHT	50,000
OPERATION									
FROM	TO	HRS	CODE	SUB	DETAIL				LENGTH
05:00	08:30	3.50	02	a	DRLG TO 6144				BIT
08:30	09:30	1.00	21	a	REPLACE ROTATING HEAD				MOTOR, AKO (SET @ 1.0)
09:30	11:30	2.00	02	a	DRLG 6144-6160				MACH 1 AD, 5 7/8" BTM IBS
11:30	12:30	1.00	21	a	REPAIR MIST PUMP				NMDC
12:30	21:00	8.50	02	a	DRLG 6160-6205				"SOFT RIDE" SHORT NMDC
21:00	21:30	0.50	10	a	DEVIATION SURVEY; SHORT IN WIRELINE				NMDC
21:30	23:30	2.00	21	a	RIG DOWN WIRELINE;HOLE PACKED OFF; WORKED				
					FREE				
23:30	02:30	3.00	02	a	DRLG 6195-6235				
02:30	04:00	1.50	10	a	RIG UP WIRELINE;ATTEMPT SURVEY;SHORT IN WET				
					CONNECT				
04:00	05:00	1.00	06	a	BLOWN HOLE;TRIP TO WET CONNECT				
DAILY	FERRON TOTAL IN ZONE=202								
OPERATIONAL									
COMMENTS									
								TOTAL	96.69

DAILY DRILLING REPORT

WELL	1335RE EAST MOUNTAIN FEDERAL			DATE	10/14/94	OPERATOR	MERIDIAN OIL			
LOCATION	NWSW,35-016S-006E	MD/TVD	6,235.00 / 5,803.20	REPORT #	23	RIG NAME				
KB/GL ELEV	0.00	PROGRESS		CUR OP	TRIP OUT TO SET A	SUPERVISOR	J. REEDER 801-636-5176			
COUNTY, ST	EMERY, UTAH	SPUD DATE	09/29/94	DFS	15	AFE #	Y846			
MUD DATA		BIT RECORD				WELL COSTS				
MUD TYPE	AIR/MIST	BIT #	5	4		TANGIBLE	INTANGIBLE	TOTAL		
TIME	15:00	SERIAL #	0M7505	DM7426		DAILY	0.00	25,415.00	25,415.00	
TEMP	0	SIZE (in)	6.125	6.125		CUMMULATIVE	0.00	413,833.83	413,833.83	
DEPTH	6032.00	MAKE	REED	Reed		AUTHORIZED	18,000.00	512,820.00	530,820.00	
WEIGHT	8.5	TYPE	EPH62K	EHP62K		BOP TEST DATA				
VISCOSITY	27	JETS(1/2/3)	/ /	28 /28 /28		DATE		PSI		
PV/YP	/	JETS(4/5/6)	/ /	/ /		LAST TEST	09/29/94	RAMS		
GELS(0/10)	/	JETS(TFA)		1.80		LAST DRILL	/ /	ANNULAR		
API WL		DEPTH IN	6235	5906				MANIFOLD		
HHP WL		DEPTH OUT	6235	6235		TIME BREAKDOWN				
CAKE		FEET TODAY		100		RU/RD		CMT/CSG		
TS/LGS	/	HRS TODAY		17.00		DRLG		WOC		
HGS/SAND	/	ROP TODAY		5.88		RMG	7.00	NU BOP		
% OIL		CUM FEET		429		CORING		TEST BOP		
O/W RATIO		CUM HOURS		75.00		CIRC/COND		DST		
MBT		CUM ROP		5.72		TRIPS	15.00	PLUG BACK		
Pm		WOB (min/max)	/	3000/24000		SRVC RIG		SQUEEZE		
Pf/Mf	/	RPM (min/max)	/	200 / 200		REPAIR RIG		FISHING		
Cl (ppm)	13,000	HHP/IN2				DRLG LINE		DIR WORK		
Ca (ppm)		JET VEL				SURVEY	2.00	OTHER		
LIME/ES	0.0/	WHY PULLED	BHA	HR		LOGGING				
SEEP LOSS		CONDITION	01	43						
MUD DISCH	0.0	ADDITIVES (sacks)		DEVIATION SURVEYS			MUD PUMPS			
# CENT HRS				DEPTH	DEVIATION	AZIM		PUMP #1	PUMP #2	
DAILY COST	25,415.00							PRESSURE		
CUM COST	413,833.83							SPM		
INVENTORY								LINER (in)	5.50	
BARITE								STROKE (in)	14.00	
DIESEL								OUTPUT (gpm)		
WHOLE MUD								AVDP (fpm)		
								AVDC (fpm)		
								SPP(spm/psi)		
LAST CASING				MUD LOGGING		BHA DATA				
DEPTH				BGG	0	BHA NAME	LATERAL ASSEMBLY #1			
SIZE				CONN	0	PURPOSE	DRILL LATERAL HOLE			
PIT EMW				TRIP	0	HOOK LOAD	64,000	PU WEIGHT	80,000	
LAST TEST	/ /					DRAG	16,000	SO WEIGHT	50,000	
OPERATION										
FROM	TO	HRS	CODE	SUB	DETAIL			ITEM	LENGTH	
05:00	10:30	5.50	06	a	TRIP OUT CHANGE BIT			BIT	0.75	
10:30	13:30	3.00	06	a	TRIP IN			MOTOR, AKO (SET @ 1.0)	19.53	
13:30	15:30	2.00	10	a	RIH WITH WIRELINE; RIG UP WET LATCH			MACH 1 AD, 5 7/8" BTM IBS		
15:30	16:00	0.50	06	a	TRIP IN HOLE TO 5795; HIT BRIDGE			NMDC	28.70	
16:00	23:00	7.00	03	a	REAMING TO 5813;SURVEY AT 5808 61.6 INC. 72.9			"SOFT RIDE" SHORT NMDC	16.63	
					AZ. FROM ORIGINAL SURVEY; 5813 61.6 INC. 73			NMDC	31.08	
					AZ. FROM REAMING SURVEY					
23:00	00:00	1.00	06	a	WORK OUT SINGLE HOLE PACKED OFF AND STUCK					
					PIPE					
00:00	05:00	5.00	06	a	TRIP OUT OF HOLE ; BURNED 6 FT. FLARE					
DAILY										
OPERATIONAL										
COMMENTS										
									TOTAL	96.69

DAILY DRILLING REPORT

WELL	1335RE EAST MOUNTAIN FEDERAL			DATE	10/15/94	OPERATOR	MERIDIAN OIL			
LOCATION	NWSW,35-016S-006E	MD/TVD	5,914.00 / 5,785.60	REPORT #	24	RIG NAME				
KB/GL ELEV	0.00	PROGRESS	41.00	CUR OP	WASH AND REAM TO	SUPERVISOR	J. REEDER 801-636-5176			
COUNTY, ST	EMERY, UTAH	SPUD DATE	09/29/94	DFS	16	AFE #	Y846			
MUD DATA		BIT RECORD			WELL COSTS					
MUD TYPE	AIR/MIST	BIT #	5			TANGIBLE	INTANGIBLE	TOTAL		
TIME	15:00	SERIAL #	0M7505			DAILY	0.00	19,215.00	19,215.00	
TEMP	0	SIZE (in)	6.125			CUMMULATIVE	0.00	433,048.83	433,048.83	
DEPTH	6032.00	MAKE	REED			AUTHORIZED	18,000.00	512,820.00	530,820.00	
WEIGHT	8.5	TYPE	EPH62K			BOP TEST DATA				
VISCOSITY	27	JETS(1/2/3)	/ /			DATE			PSI	
PV/YP	/	JETS(4/5/6)	/ /			LAST TEST	09/29/94	RAMS		
GELS(0/10)	/	JETS(TFA)				LAST DRILL	/ /	ANNULAR		
API WL		DEPTH IN	6235					MANIFOLD		
HTHP WL		DEPTH OUT	6235			TIME BREAKDOWN				
CAKE		FEET TODAY	41			RU/RD		CMT/CSG		
TS/LGS	/	HRS TODAY	2.50			DRLG	2.50	WOC		
HGS/SAND	/	ROP TODAY	16.40			RMG	1.50	NU BOP		
% OIL		CUM FEET	41			CORING		TEST BOP		
O/W RATIO		CUM HOURS	2.50			CIRC/COND	1.00	DST		
MBT		CUM ROP	16.40			TRIPS	8.75	PLUG BACK		
Pm		WOB (min/max)	6/ 8			SRVC RIG		SQUEEZE		
Pf/Mf	/	RPM (min/max)	60 / 60			REPAIR RIG		FISHING		
CL (ppm)	13,000	HHP/IN2				DRLG LINE		DIR WORK		
Ca (ppm)		JET VEL				SURVEY	2.25	OTHER	8.00	
LIME/ES	0.0/	WHY PULLED	BHA			LOGGING				
SEEP LOSS		CONDITION	01							
MUD DISCH	0.0	ADDITIVES (sacks)		DEVIATION SURVEYS			MUD PUMPS			
# CENT HRS				DEPTH	DEVIATION	AZIM		PUMP #1	PUMP #2	
DAILY COST	19,215.00			5,808.0	61.600	72.90	PRESSURE			
CUM COST	433,048.83			5,861.0	62.000	73.80	SPM			
INVENTORY							LINER (in)	5.50		
BARITE							STROKE (in)	14.00		
DIESEL							OUTPUT (gpm)			
WHOLE MUD							AVDP (fpm)			
							AVDC (fpm)			
							SPP(spm/psi)			
LAST CASING				MUD LOGGING			BHA DATA			
DEPTH				BGG	0					
SIZE				CONN	0	BHA NAME	REAMING BHA			
PIT EMW				TRIP	0	PURPOSE	REAM HOLE			
LAST TEST	/ /					HOOK LOAD	62,000	PU WEIGHT	70,000	
OPERATION						DRAG	8,000	SO WEIGHT	50,000	
FROM	TO	HRS	CODE	SUB	DETAIL	ITEM		LENGTH		
05:00	08:15	3.25	06	a	TRIP IN HOLE WITH AKO SET AT 2.0	BIT		0.65		
08:15	10:00	1.75	06	a	TRIP OUT OF HOLE	BIT SUB		2.36		
10:00	11:30	1.50	21	a	RIG UP METER RUN	SHORT NM		16.63		
11:30	12:00	0.50	21	a	FLOWED WELL 63 MCF/DAY	N.M. DRILL COLLAR		31.08		
12:00	13:30	1.50	21	a	SHUT WELL IN; PRESSURE BUILD UP 10 PSI					
13:30	15:30	2.00	21	a	FLOW TEST WELL; WELL FLOWED AT 68MCF/D; DECREASING TO 24.6 IN FIRST HOUR;					
15:30	18:30	3.00	06	a	TRIP IN HOLE WITH BIT, SHORT NM, AND N.M. D.C.					
18:30	19:45	1.25	10	a	RIG UP WET LATCH					
19:45	20:30	0.75	06	a	TRIP IN HOLE TO 5768					
20:30	21:30	1.00	05	a	BLOW HOLE CLEAN					
DAILY										
OPERATIONAL										
COMMENTS										
								TOTAL	50.72	

DAILY DRILLING REPORT

WELL	1335RE EAST MOUNTAIN FEDERAL			DATE	10/17/94	OPERATOR	MERIDIAN OIL		
LOCATION	NWSW,35-016S-006E	MD/TVD	5,440.00 / 5,440.00	REPORT #	26	RIG NAME			
KB/GL ELEV	0.00	PROGRESS		CUR OP	WAITNIG ON RIG RE	SUPERVISOR	J. REEDER 801-636-5176		
COUNTY,ST	EMERY, UTAH	SPUD DATE	09/29/94	DFS	18	AFE #	Y846		
MUD DATA				BIT RECORD				WELL COSTS	
MUD TYPE	AIR/MIST	BIT #	5			TANGIBLE	INTANGIBLE	TOTAL	
TIME	15:00	SERIAL #	0M7505			DAILY	0.00	40,339.26	
TEMP	0	SIZE (in)	6.125			CUMMULATIVE	0.00	492,603.09	
DEPTH	6032.00	MAKE	REED			AUTHORIZED	18,000.00	530,820.00	
WEIGHT	8.5	TYPE	EPH62K			BOP TEST DATA			
VISCOSITY	27	JETS(1/2/3)	/ /			DATE		PSI	
PV/YP	/	JETS(4/5/6)	/ /			LAST TEST	09/29/94	RAMS	
GELS(0/10)	/	JETS(TFA)				LAST DRILL	/ /	ANNULAR	
API WL		DEPTH IN	6235					MANIFOLD	
HHP WL		DEPTH OUT	6235			TIME BREAKDOWN			
CAKE		FEET TODAY	41			RU/RD		CMT/CSG	
TS/LGS	/	HRS TODAY	2.50			DRLG		WOC	
HGS/SAND	/	ROP TODAY	16.40			RMG		NU BOP	
% OIL		CUM FEET	123			CORING		TEST BOP	
O/W RATIO		CUM HOURS	7.50			CIRC/COND	1.50	DST	
MBT		CUM ROP	16.40			TRIPS	8.25	PLUG BACK	
Pm		WOB (min/max)	6 / 8			SRVC RIG		SQUEEZE	
Pf/Mf	/	RPM (min/max)	60 / 60			REPAIR RIG	2.50	FISHING	
Cl (ppm)	13,000	HHP/IN2				DRLG LINE		DIR WORK	
Ca (ppm)		JET VEL				SURVEY		OTHER	
LIME/ES	0.0/	WHY PULLED	BHA			LOGGING			
SEEP LOSS		CONDITION	01						
MUD DISCH	0.0	ADDITIVES (sacks)		DEVIATION SURVEYS			MUD PUMPS		
# CENT HRS				DEPTH	DEVIATION	AZIM		PUMP #1	
DAILY COST	40,339.26							PUMP #2	
CUM COST	492,603.09								
INVENTORY									
BARITE							LINER (in)	5.50	
DIESEL							STROKE (in)	14.00	
WHOLE MUD							OUTPUT (gpm)		
							AVDP (fpm)		
							AVDC (fpm)		
							SPP(spm/psi)		
LAST CASING				MUD LOGGING			BHA DATA		
DEPTH				BGG	0	BHA NAME	REAMING BHA		
SIZE				CONN	0	PURPOSE	REAM HOLE		
PIT EMW				TRIP	0	HOOK LOAD	62,000	PU WEIGHT	
LAST TEST	/ /					DRAG	8,000	SO WEIGHT	
								70,000	
								50,000	
OPERATION							ITEM		LENGTH
FROM	TO	HRS	CODE	SUB	DETAIL				
05:00	06:30	1.50	19	a	BACK OFF WITH DAILOG AT 5738;LEFT 3 JTS.			BIT	
					DRILL PIPE,1 MONEL,1 SOFT RIDE MONEL,BIT SUB			BIT SUB	
					AND BIT			SHORT NM	
06:30	08:15	1.75	19	a	RUN OUT OF HOLE WITH WIRELINE			N.M. DRILL COLLAR	
08:15	10:30	2.25	06	a	CHAIN OUT OF HOLE				
10:30	12:30	2.00	06	a	LOAD OUT FISHING TOOLS				
12:30	15:00	2.50	06	a	TRIP TO BOTTOM OF CASING				
15:00	19:00	4.00	21	a	WAIT ON HALIBURTON				
19:00	20:00	1.00	06	a	TRIPIN HOLE TO 5661.41				
20:00	21:30	1.50	05	a	ATTEMPT TO LOAD HOLE WITH FLUID				
21:30	22:00	0.50	12	a	SET CEMENT KICK OFF PLUG				
22:00	22:30	0.50	06	a	TRIP OUT 20 STDS.				
DAILY									
OPERATIONAL									
COMMENTS									
								TOTAL	50.72

DAILY DRILLING REPORT

WELL	1335RE EAST MOUNTAIN FEDERAL			DATE	10/20/94	OPERATOR	MERIDIAN OIL		
LOCATION	NWSW,35-016S-006E	MD/TVD	5,000.00 / 5,000.00	REPORT #	29	RIG NAME			
KB/GL ELEV	0.00	PROGRESS		CUR OP	DRILLING CEMENT S	SUPERVISOR	J. REEDER 801-636-5176		
COUNTY, ST	EMERY, UTAH	SPUD DATE	09/29/94	DFS	21	AFE #	Y846		
MUD DATA		BIT RECORD			WELL COSTS				
MUD TYPE	AIR/MIST	BIT #				TANGIBLE	INTANGIBLE	TOTAL	
TIME	15:00	SERIAL #			DAILY	0.00	19,290.60	19,290.60	
TEMP	0	SIZE (in)			CUMMULATIVE	0.00	573,112.59	573,112.59	
DEPTH	6032.00	MAKE			AUTHORIZED	18,000.00	512,820.00	530,820.00	
WEIGHT	8.5	TYPE			BOP TEST DATA				
VISCOSITY	27	JETS(1/2/3)				DATE		PSI	
PV/YP	/	JETS(4/5/6)			LAST TEST	09/29/94	RAMS		
GELS(0/10)	/	JETS(TFA)			LAST DRILL	/ /	ANNULAR		
API WL		DEPTH IN					MANIFOLD		
HHP WL		DEPTH OUT			TIME BREAKDOWN				
CAKE		FEET TODAY			RU/RD		CMT/CSG	1.00	
TS/LGS	/	HRS TODAY			DRLG	2.25	WOC		
HGS/SAND	/	ROP TODAY			RMG		NU BOP		
% OIL		CUM FEET			CORING		TEST BOP		
O/W RATIO		CUM HOURS			CIRC/COND	0.50	DST		
MBT		CUM ROP			TRIPS	17.25	PLUG BACK		
Pm		WOB (min/max)			SRVC RIG		SQUEEZE		
Pf/Mf	/	RPM (min/max)			REPAIR RIG		FISHING		
Cl (ppm)	13,000	HHP/IN2			DRLG LINE	3.00	DIR WORK		
Ca (ppm)		JET VEL			SURVEY		OTHER		
LIME/ES	0.0/	WHY PULLED			LOGGING				
SEEP LOSS		CONDITION							
MUD DISCH	0.0	ADDITIVES (sacks)		DEVIATION SURVEYS			MUD PUMPS		
# CENT HRS				DEPTH	DEVIATION	AZIM		PUMP #1	
DAILY COST	19,290.60							PUMP #2	
CUM COST	573,112.59								
INVENTORY									
BARITE							LINER (in)	5.50	
DIESEL							STROKE (in)	14.00	
WHOLE MUD							OUTPUT (gpm)		
							AVDP (fpm)		
							AVDC (fpm)		
							SPP(spm/psi)		
LAST CASING				MUD LOGGING		BHA DATA			
DEPTH				BGG	0	BHA NAME	CEMENT BHA		
SIZE				CONN	0	PURPOSE			
PIT EMW				TRIP	0	HOOK LOAD		PU WEIGHT	
LAST TEST	/ /					DRAG		SO WEIGHT	
OPERATION									
FROM	TO	HRS	CODE	SUB	DETAIL	ITEM		LENGTH	
05:00	06:00	1.00	06	a	TRIP OUT OF HOLE; REMOVE BIT;	BIT		0.65	
06:00	09:30	3.50	06	a	TRIP IN HOLE OPEN ENDED	4-3/4 DRILL COLLAR		29.58	
09:30	12:30	3.00	09	a	CUT OFF DRILL LINE; RIG SERVICE	6-1/8 I.B.S.		3.77	
12:30	13:30	1.00	12	a	RIG UP WESTREN AND PUMPED 60 SACKS "G" ITH 2% CALCIUM CHLORIDE	4-3/4 DRILL COLLARS		90.85	
13:30	15:30	2.00	06	a	TRIP OUT OF HOLE				
15:30	20:00	4.50	06	a	PICK UP BIT, D.C., 6-1/8 IBS,3 D.C. AND TRIP IN HOLE 45 STDS				
20:00	20:15	0.25	05	a	UNLOAD HOLE				
20:15	20:45	0.50	06	a	TRIP IN HOLE 20 STDS.				
20:45	21:00	0.25	05	a	UNLOAD HOLE				
21:00	21:45	0.75	06	a	TRIP IN HOLE; HIT CEMENT STRINGERS				
DAILY									
OPERATIONAL									
COMMENTS									
								TOTAL	124.85

DAILY DRILLING REPORT

WELL	1335RE EAST MOUNTAIN FEDERAL			DATE	10/23/94	OPERATOR	MERIDIAN OIL		
LOCATION	NWSW,35-016S-006E	MD/TVD	5,392.00 / 5,392.00	REPORT #	32	RIG NAME			
KB/GL ELEV	0.00	PROGRESS		CUR OP	W/O CEMENT	SUPERVISOR	S. CARROLL 801-636-5176		
COUNTY, ST	EMERY, UTAH	SPUD DATE	09/29/94	DFS	24	AFE #	Y846		
MUD DATA		BIT RECORD				WELL COSTS			
MUD TYPE	AIR/MIST	BIT #				TANGIBLE	INTANGIBLE	TOTAL	
TIME	15:00	SERIAL #				DAILY	0.00	14,855.05	14,855.05
TEMP	0	SIZE (in)				CUMMULATIVE	0.00	612,636.76	612,636.76
DEPTH	6032.00	MAKE				AUTHORIZED	18,000.00	512,820.00	530,820.00
WEIGHT	8.5	TYPE				BOP TEST DATA			
VISCOSITY	27	JETS(1/2/3)				DATE			PSI
PV/YP	/	JETS(4/5/6)				LAST TEST	09/29/94	RAMS	
GELS(0/10)	/	JETS(TFA)				LAST DRILL	/ /	ANNULAR	
API WL		DEPTH IN						MANIFOLD	
HHP WL		DEPTH OUT				TIME BREAKDOWN			
CAKE		FEET TODAY				RU/RD		CMT/CSG	
TS/LGS	/	HRS TODAY				DRLG		WOC	
HGS/SAND	/	ROP TODAY				RMG		NU BOP	
% OIL		CUM FEET				CORING		TEST BOP	
O/W RATIO		CUM HOURS				CIRC/COND		DST	
MBT		CUM ROP				TRIPS	15.00	PLUG BACK	9.00
Pm		WOB (min/max)				SRVC RIG		SQUEEZE	
Pf/Mf	/	RPM (min/max)				REPAIR RIG		FISHING	
Cl (ppm)	13,000	HHP/IN2				DRLG LINE		DIR WORK	
Ca (ppm)		JET VEL				SURVEY		OTHER	
LIME/ES	0.0/	WHY PULLED				LOGGING			
SEEP LOSS		CONDITION							
MUD DISCH	0.0	ADDITIVES (sacks)		DEVIATION SURVEYS			MUD PUMPS		
# CENT HRS				DEPTH	DEVIATION	AZIM		PUMP #1	PUMP #2
DAILY COST	14,855.05						PRESSURE		
CUM COST	612,636.76						SPM		
INVENTORY							LINER (in)	5.50	
BARITE							STROKE (in)	14.00	
DIESEL							OUTPUT (gpm)		
WHOLE MUD							AVDP (fpm)		
							AVDC (fpm)		
							SPP(spm/psi)		
LAST CASING				MUD LOGGING		BHA DATA			
DEPTH				BGG	0	BHA NAME	CEMENT #2 BHA		
SIZE				CONN	0	PURPOSE			
PIT EMW				TRIP	0	HOOK LOAD		PU WEIGHT	
LAST TEST	/ /					DRAG		SO WEIGHT	
OPERATION						ITEM			
FROM	TO	HRS	CODE	SUB	DETAIL				LENGTH
05:00	12:00	7.00	17	a	DRLG CEMENT	BIT			0.65
12:00	14:30	2.50	06	a	TOOH, LD 6" DC's	BIT SUB			1.95
14:30	16:00	1.50	06	a	TIH w/ BIT AND BIT SUB	FLOAT SUB			1.95
16:00	19:00	3.00	06	a	TIH, TAG UP OUTSIDE CSG @ 5443'	DRILL COLAR			30.21
19:00	21:00	2.00	06	a	TOOH/LDBIT	DRILL COLLAR			29.94
21:00	01:00	4.00	06	a	TIH w/ OPEN ENDED DRILLPIPE TO 5390', W/O HALLIBURTON	CROSS OVER			0.99
01:00	03:00	2.00	17	a	SET CMT PLUG: 100 SXS NEAT PREMIUM CMT, FROM 4856-5390'				
03:00	05:00	2.00	06	a	TOOH				
DAILY									
OPERATIONAL									
COMMENTS									
						TOTAL			65.69

DAILY DRILLING REPORT

WELL	1335RE EAST MOUNTAIN FEDERAL			DATE	10/24/94	OPERATOR	MERIDIAN OIL		
LOCATION	NWSW,35-016S-006E	MD/TVD	5,397.00 / 5,397.00		REPORT #	33	RIG NAME		
KB/GL ELEV	0.00	PROGRESS		CUR OP	TOOH TO LD 6" DC'	SUPERVISOR	S. CARROLL 801-636-5176		
COUNTY, ST	EMERY, UTAH	SPUD DATE	09/29/94		DFS	25	AFE #	Y846	
MUD DATA		BIT RECORD				WELL COSTS			
MUD TYPE	AIR/MIST	BIT #				TANGIBLE	INTANGIBLE	TOTAL	
TIME	15:00	SERIAL #				DAILY	0.00	9,988.05	
TEMP	0	SIZE (in)				CUMMULATIVE	0.00	622,624.81	
DEPTH	6032.00	MAKE				AUTHORIZED	18,000.00	512,820.00	
WEIGHT	8.5	TYPE				BOP TEST DATA			
VISCOSITY	27	JETS(1/2/3)				DATE		PSI	
PV/YP	/	JETS(4/5/6)				LAST TEST	09/29/94	RAMS	
GELS(0/10)	/	JETS(TFA)				LAST DRILL	/ /	ANNULAR	
API WL		DEPTH IN						MANIFOLD	
HHP WL		DEPTH OUT				TIME BREAKDOWN			
CAKE		FEET TODAY				RU/RD		CMT/CSG	
TS/LGS	/	HRS TODAY				DRLG		WOC	
HGS/SAND	/	ROP TODAY				RMG	12.00	NU BOP	
% OIL		CUM FEET				CORING		TEST BOP	
O/W RATIO		CUM HOURS				CIRC/COND	2.50	DST	
MBT		CUM ROP				TRIPS	5.00	PLUG BACK	
Pm		WOB (min/max)				SRVC RIG		SQUEEZE	
Pf/Mf	/	RPM (min/max)				REPAIR RIG		FISHING	
Cl (ppm)	13,000	HHP/IN2				DRLG LINE		DIR WORK	
Ca (ppm)		JET VEL				SURVEY		OTHER	
LIME/ES	0.0/	WHY PULLED				LOGGING			
SEEP LOSS		CONDITION							
MUD DISCH	0.0	ADDITIVES (sacks)		DEVIATION SURVEYS			MUD PUMPS		
# CENT HRS				DEPTH	DEVIATION	AZIM	PUMP #1	PUMP #2	
DAILY COST	9,988.05						PRESSURE		
CUM COST	622,624.81						SPM		
INVENTORY							LINER (in)	5.50	
BARITE							STROKE (in)	14.00	
DIESEL							OUTPUT (gpm)		
WHOLE MUD							AVDP (fpm)		
							AVDC (fpm)		
							SPP(spm/psi)		
LAST CASING				MUD LOGGING		BHA DATA			
DEPTH				BGG	0	BHA NAME	CEMENT #2 BHA		
SIZE				CONN	0	PURPOSE			
PIT EMW				TRIP	0	HOOK LOAD		PU WEIGHT	
LAST TEST	/ /					DRAG		SO WEIGHT	
OPERATION									
FROM	TO	HRS	CODE	SUB	DETAIL	ITEM			LENGTH
05:00	09:30	4.50	13	a	WAIT ON CEMENT	BIT			0.65
09:30	11:00	1.50	06	a	TIH w/ BIT, FLOAT SUB, 2-6" DC's TO 4000'	BIT SUB			1.95
11:00	12:30	1.50	05	a	PU KELLY, BLOW HOLE DRY (NO FLUID)	FLOAT SUB			1.95
12:30	13:30	1.00	06	a	TIH, TAG CMT STRINGERS @ 4100'	DRILL COLAR			30.21
13:30	01:30	12.00	03	a	CLEAN OUT SOFT, CONTAMINATED CMT AND CMT	DRILL COLLAR			29.94
					STRINGERS, TAG CIBP @ 5397'	CROSS OVER			0.99
01:30	02:30	1.00	05	a	BLOW HOLE DRY				
02:30	05:00	2.50	06	a	TOOH TO LD 6" DC's				
DAILY	W/O CMT. TIH, CLEAN OUT CMT, TAG CIBP @ 5397', TOOH								
OPERATIONAL									
COMMENTS									TOTAL
									65.69

DAILY DRILLING REPORT

WELL	1335RE EAST MOUNTAIN FEDERAL			DATE	10/25/94	OPERATOR	MERIDIAN OIL				
LOCATION	NWSW,35-016S-006E	MD/TVD	5,950.00 / 5,950.00	REPORT #	34	RIG NAME					
KB/GL ELEV	0.00	PROGRESS		CUR OP	TIH w/ PACKER AND	SUPERVISOR	S. CARROLL 801-636-5176				
COUNTY, ST	EMERY, UTAH	SPUD DATE	09/29/94	DFS	26	AFE #	Y846				
MUD DATA		BIT RECORD				WELL COSTS					
MUD TYPE	AIR/MIST	BIT #				TANGIBLE	INTANGIBLE	TOTAL			
TIME	15:00	SERIAL #				DAILY	0.00	11,388.05	11,388.05		
TEMP	0	SIZE (in)				CUMMULATIVE	0.00	634,012.86	634,012.86		
DEPTH	6032.00	MAKE				AUTHORIZED	18,000.00	512,820.00	530,820.00		
WEIGHT	8.5	TYPE				BOP TEST DATA					
VISCOSITY	27	JETS(1/2/3)				DATE			PSI		
PV/YP	/	JETS(4/5/6)				LAST TEST	09/29/94	RAMS			
GELS(0/10)	/	JETS(TFA)				LAST DRILL	/ /	ANNULAR			
API WL		DEPTH IN						MANIFOLD			
HHP WL		DEPTH OUT				TIME BREAKDOWN					
CAKE		FEET TODAY				RU/RD	0.75	CMT/CSG			
TS/LGS	/	HRS TODAY				DRLG		WOC			
HGS/SAND	/	ROP TODAY				RMG		NU BOP			
% OIL		CUM FEET				CORING		TEST BOP			
O/W RATIO		CUM HOURS				CIRC/COND	1.50	DST			
MBT		CUM ROP				TRIPS	16.25	PLUG BACK			
Pm		WOB (min/max)				SRVC RIG		SQUEEZE			
Pf/Mf	/	RPM (min/max)				REPAIR RIG		FISHING			
Cl (ppm)	13,000	HHP/IN2				DRLG LINE		DIR WORK			
Ca (ppm)		JET VEL				SURVEY		OTHER	5.50		
LIME/ES	0.0/	WHY PULLED				LOGGING					
SEEP LOSS		CONDITION									
MUD DISCH	0.0	ADDITIVES (sacks)		DEVIATION SURVEYS			MUD PUMPS				
# CENT HRS				DEPTH	DEVIATION	AZIM		PUMP #1	PUMP #2		
DAILY COST	11,388.05							PRESSURE			
CUM COST	634,012.86							SPM			
INVENTORY								LINER (in)	5.50		
BARITE								STROKE (in)	14.00		
DIESEL								OUTPUT (gpm)			
WHOLE MUD								AVDP (fpm)			
								AVDC (fpm)			
								SPP(spm/psi)			
LAST CASING				MUD LOGGING		BHA DATA					
DEPTH				BGG	0	BHA NAME	CEMENT #2 BHA				
SIZE				CONN	0	PURPOSE					
PIT EMW				TRIP	0	HOOK LOAD		PU WEIGHT			
LAST TEST	/ /					DRAG		SO WEIGHT			
OPERATION											
FROM	TO	HRS	CODE	SUB	DETAIL					LENGTH	
05:00	05:30	0.50	06	a	TOOH, STAND BACK 6" DC's					BIT	0.65
05:30	08:30	3.00	06	a	TIH w/ BIT, FLOAT SUB, DRILLPIPE					BIT SUB	1.95
08:30	12:30	4.00	21	b	DRILL CIBP's @ 5397' AND 5420'					FLOAT SUB	1.95
12:30	14:00	1.50	21	b	BLOW WELL DOWN THROUGH 4" CHOKE LINE: 25-35'					DRILL COLAR	30.21
					FLARE, DECREASING TO 15-20' FLARE (PIT TOO SMALL!)					DRILL COLLAR	29.94
										CROSS OVER	0.99
14:00	15:00	1.00	06	a	TIH, SHOVE ANY REMAINS OF CIBP TO 5950',						
					COULD NOT GET DEEPER						
15:00	16:30	1.50	05	a	KILL WELL w/ 2% KCL WATER						
16:30	17:15	0.75	01	a	RU LAYDOWN TRUCK						
17:15	23:00	5.75	06	a	TOOH/LD 3 1/2" DRILL PIPE						
23:00	04:00	5.00	06	a	INSTALL 2 7/8" PIPE RAMS, ND/REMOVE ROTATING						
DAILY	DRILL OUT CIBP's, TIH TO 5950', TOOH/LD DRILL PIPE										
OPERATIONAL											
COMMENTS										TOTAL	65.69

DAILY DRILLING REPORT

WELL	1335RE EAST MOUNTAIN FEDERAL			DATE	10/26/94	OPERATOR	MERIDIAN OIL			
LOCATION	NWSW,35-016S-006E	MD/TVD	5,950.00 / 5,950.00	REPORT #	35	RIG NAME				
KB/GL ELEV	0.00	PROGRESS		CUR OP	RIG RELEASED	SUPERVISOR	S. CARROLL 801-636-5176			
COUNTY, ST	EMERY, UTAH	SPUD DATE	09/29/94	DFS	27	AFE #	Y846			
MUD DATA		BIT RECORD				WELL COSTS				
MUD TYPE	AIR/MIST	BIT #				TANGIBLE	INTANGIBLE	TOTAL		
TIME	15:00	SERIAL #				DAILY	1,938.00	25,508.00	27,446.00	
TEMP	0	SIZE (in)				CUMMULATIVE	1,938.00	659,520.86	661,458.86	
DEPTH	6032.00	MAKE				AUTHORIZED	18,000.00	512,820.00	530,820.00	
WEIGHT	8.5	TYPE				BOP TEST DATA				
VISCOSITY	27	JETS(1/2/3)				DATE		PSI		
PV/YP	/	JETS(4/5/6)				LAST TEST	09/29/94	RAMS		
GELS(0/10)	/	JETS(TFA)				LAST DRILL	/ /	ANNULAR		
API WL		DEPTH IN						MANIFOLD		
HHP WL		DEPTH OUT				TIME BREAKDOWN				
CAKE		FEET TODAY				RU/RD	4.50	CMT/CSG		
TS/LGS	/	HRS TODAY				DRLG		WOC		
HGS/SAND	/	ROP TODAY				RMG		NU BOP		
% OIL		CUM FEET				CORING		TEST BOP		
O/W RATIO		CUM HOURS				CIRC/COND		DST		
MBT		CUM ROP				TRIPS	6.00	PLUG BACK		
Pm		WOB (min/max)				SRVC RIG		SQUEEZE		
Pf/Mf	/	RPM (min/max)				REPAIR RIG		FISHING		
Cl (ppm)	13,000	HHP/IN2				DRLG LINE		DIR WORK		
Ca (ppm)		JET VEL				SURVEY		OTHER	3.50	
LIME/ES	0.0/	WHY PULLED				LOGGING				
SEEP LOSS		CONDITION								
MUD DISCH	0.0	ADDITIVES (bags)		DEVIATION SURVEYS			MUD PUMPS			
# CENT HRS				DEPTH	DEVIATION	AZIM		PUMP #1	PUMP #2	
DAILY COST	27,446.00							PRESSURE		
CUM COST	661,458.86							SPM		
INVENTORY								LINER (in)	5.50	
BARITE								STROKE (in)	14.00	
DIESEL								OUTPUT (gpm)		
WHOLE MUD								AVDP (fpm)		
								AVDC (fpm)		
								SPP(spm/psi)		
LAST CASING				MUD LOGGING			BHA DATA			
DEPTH				BGG	0					
SIZE				CONN	0	BHA NAME	PRODUCTION STRING			
PIT EMW				TRIP	0	PURPOSE	PRODUCTION			
LAST TEST	/ /					HOOK LOAD		PU WEIGHT		
						DRAG		SO WEIGHT		
OPERATION						ITEM		LENGTH		
FROM	TO	HRS	CODE	SUB	DETAIL					
05:00	11:00	6.00	06	a	PU/TIH w/ 2 7/8" PRODUCTION STRING, COULD NOT GET PACKER BELOW 5388' - TOP OF WINDOW @ 5378'(SEE BHA DETAIL FOR TBG SUMMARY)	2 7/8",6.5#,J-55 TBG		1,048.05		
					NOTE: 3/8" STAINLESS STEEL TBG ATTACHED FROM WELLHEAD TO CHEMICAL INJECTION MANDREL @ 1063', BANDED TO TOP 35 JTS (1048.05') TBG w/ 2 BANDS PER JT	CHEMICAL INJ. MANDREL		4.10		
						2 7/8",6.5#,J-55 TBG		4,251.32		
						BAKER "F" PROFILE NIPPLE		0.96		
						2 7/8",6.5#,J-55 TBG		29.30		
						BAKER ON-OFF CONNECTOR		1.81		
						"F" PROFILE (2.25" ID)				
11:00	14:30	3.50	21	b	SET PACKER @ 5354', ND/LIFT BOP STACK, INSTALL WELLHEAD AND CHEMICAL INJECTION LINE, LAND TBG 8000 LBS IN TENSION	BAKER A-3 LOK-SET PACKER		4.00		
						UNDERBALANCING DISC		1.40		
14:30	19:00	4.50	01	a	CLEAN/DRAIN PITS, GATHER RENTAL TOOLS, RELEASE RIG @ 1900 HRS ON 10/25/94					
DAILY	RIG RELEASED @ 1900 HRS ON 10/25/94, WILL BE MOVED ON 10/26									
OPERATIONAL	NOTE: TBG LEFT EMPTY, UNBERBALANCING DISC REQUIRES BREAKING									
COMMENTS	FOR PRODUCTION, NO PACKER FLUID ON ANNULUS(PER PROD. DEPT)									
								TOTAL	5,340.94	

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: MERIDIAN OIL CO.

WELL NAME: EAST MONUMENT UNIT 13-35H (RE-ENTRY)

API NO. 43-015-30230

Section 35 Township 16S Range 6E County EMERY

Drilling Contractor COLORADO WELL SERVICE

Rig # 78

SPUDDED: Date 9/29/94

Time _____

How ROTARY

Drilling will commence _____

Reported by STEVE CARROL

Telephone # 1-636-5176

Date 9/28/94 SIGNED JLT

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.

SUBMIT IN TRIPPLICATE

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. U-56933
2. Name of Operator Meridian Oil Inc.	6. If Indian, Allottee or Tribe Name N/A
3. Address and Telephone No. 5613 DTC Parkway, Englewood, CO 80111 (303) 930-9403	7. If Unit or CA, Agreement Designation 57287U6920
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1626' FSL, 644' FWL Sec. 35-T16S-R6E (NWSW)	8. Well Name and No. 13-35 EMU HRE Federal
	9. API Well No. 43-015-30230
	10. Field and Pool, or Exploratory Area East Mountain
	11. County or Parish, State Emery County, 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 <u>Open Hole Completion</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(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.)*

Meridian Oil Inc. requests permission to perform an open hole completion on the above captioned well; however, Meridian would like to have the option to set a liner if mechanical hole conditions necessitate using a liner.

14. I hereby certify that the foregoing is true and correct.
Signed Eileen Danni Dey Title Regulatory Compliance Adm. Date 10/11/94

(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 any false, fictitious or fraudulent statement or representations as to any matter within the jurisdiction of any agency of the United States



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

CONFIDENTIAL

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.
U-56933

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

7. If Unit or CA, Agreement Designation
57287U6920

8. Well Name and No.
13-35 EMU HRE Federal

9. API Well No.
43-015-30230

10. Field and Pool, or Exploratory Area
East Mountain

11. County or Parish, State
Emery County, UT

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Meridian Oil Inc.

3. Address and Telephone No.
5613 DTC Parkway, Englewood, CO 80111 (303) 930-9403

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

1626' FSL, 644' FWL
Sec. 35-T16S-R6E (NWSW)

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

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

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

Meridian Oil Inc. requests permission to perform an open hole completion on the above captioned well; however, Meridian would like to have the option to set a liner if mechanical hole conditions necessitate using a liner.

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

Signed Eileen Danni Dey Title Regulatory Compliance Adm. Date 10/11/94

(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 any false, fictitious or fraudulent statement or representations as to any matter within the jurisdiction of any department or agency of the United States

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

Form 3150-5
June 1990
CONFIDENTIAL

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.

SUBMIT IN TRIPLICATE

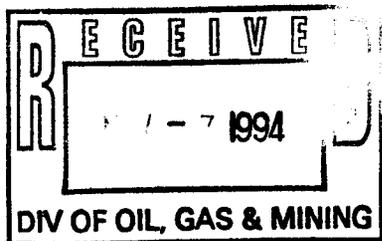
- 5. Lease Designation and Serial No.
U-56933
- 6. If Indian, Allottee or Tribe Name
N/A
- 7. If Unit or CA, Agreement Designation
57287U6920
- 8. Well Name and No.
13-35 EMU HRE Federal
- 9. API Well No.
43-015-30230
- 10. Field and Pool, or Exploratory Area
East Mountain
- 11. County or Parish, State
Emery County, UT

- 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)

1626' FSL, 644' FWL
Sec. 35-T16S-R6E (NWSW)

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 Plug back horizontal side-track and re-establish production
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water



(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.)*

Meridian Oil Inc. requests permission to plug back the horizontal side track and window of the above captioned well at 5391' w/100 sx. Class "G" cement and re-establish production at the original Ferron perforations: 6022'-6030'; 5796'-5816'; 5786'-5796'.

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

Signed Eileen Danni Dey Title Regulatory Compliance Adm. Date 10/18/94

(This space for Federal or State office use)

Approved By William Stranger Title Associate District Manager Date 10/25/94

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.

1261

Meridian Oil Inc.
Horizontal Re-Entry
Well No. 13-35

Surface Location: NWSW Section 35, T16S, R6E
Bottomhole Location: NESW Section 35, T16S, R6E

Lease U-56933
East Mountain Unit
Emery County, Utah

CONDITIONS OF APPROVAL

A. DRILLING PROGRAM

1. All lease operations will be conducted in full compliance with applicable regulations (43 CFR § 3100), Onshore Oil and Gas Orders, lease terms, notices to lessees, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions and the approved plan will be made available to field representatives to insure compliance.
2. As this is a horizontal well, it does not conform to the general well spacing guidelines prescribed by the State of Utah, Division of Oil, Gas and Mining (DOGGM). This location must have approval from DOGM before dirt work can begin.
3. The existing production casing (7") is not adequately cemented for re-entry; therefore, a remedial cement job must be performed. Prior to initiating drilling, the production casing must be squeezed with 100 sacks of cement from about 5380 feet on up.
4. The BOP system shall be rated to 3M as proposed, and shall be installed, tested and operated in conformance with Onshore Oil and Gas Order No. 2.
5. When drilling with air as the circulation medium, a mist system will be used to minimize airborne cuttings dust. All other air drilling requirements specified in Onshore Order No. 2 will apply.
6. A directional survey shall be submitted to the BLM District Office.
7. Should the azimuth of the horizontal leg deviate more than 10° from the proposed path, the BLM District Office shall be promptly notified.

B. SURFACE PROGRAM

1. The licensee/permittee/lessee must comply with all the rules and regulations of the Secretary of Agriculture set forth at Title 36, Chapter II, of the Code of Federal Regulations governing the use and management of the National Forest System (NFS) when not inconsistent with the rights and regulations must be complied with for (1) all use and occupancy of the NFS prior to approval of a permit/operation plan by the Secretary of the Interior, (2) uses of all existing improvements, such as Forest Development Roads, within and outside the area licensed, permitted or leased by the Secretary of the Interior, and (3) use and occupancy of the NFS not authorized by a permit/operating plan approved by the Secretary of the Interior.
2. The Forest Service must be notified of any proposed alterations to the plan of operations. Any changes to the existing plan are subject to Forest Service review and approval.
3. Drill pads will be designed to prevent or diminish overland flow from entering the site during precipitation events. Pad sites will be sloped to drain all spills and on-site precipitation into the reserve pits. If necessary, pits will be pumped out to reduce their content and insure that overflow does not occur. Fluids will be disposed of off Forest at a Utah State approved disposal site.
4. Water needed in support of operations must be properly and legally obtained according to Utah State water laws.
5. Warning signs must be placed on FDR 50040 at both ends of the project area to alert hunters and other Forest users to the presence of working crews.
6. Drill rigs and heavy equipment shall not be transported in or out of the Cottonwood area on FDR 50040 during the opening days of the general elk hunt (on or about September 28 through October 2) and deer hunt (on or about October 14 through 17) nor during Federal (October 8 through 10) and State holiday weekends. (For example, equipment may not be mobilized on a typical holiday weekend beginning noon on Friday through noon the following Tuesday.)
7. If cultural or paleontological resources are found during implementation of the project, operations will immediately cease at that location and the District Ranger will be notified. Unauthorized excavation, removal, or damage of archaeological resources is subject to fines and other penalties under authority of the Archaeological Resources Protection Act (ARPA) of 1979 (as amended).
8. Drilling operations shall be coordinated with grazing permittees.
9. Gates must be closed after entry unless otherwise specified.
10. The permittee/licensee will be held responsible for all damage to fences, cattleguards, resource improvements, roads, and other structures on National Forest System lands which result from their operations. The Forest Service must be notified of damages as soon as possible.
11. Harassment of livestock and wildlife is prohibited.

12. The operator will assure (certify) all drilling equipment and vehicles are free of noxious weeds and seeds prior to entering upon Forest Service lands. The operator will be held responsible for control of noxious weed infestations within areas disturbed by drilling activities.

13. To maintain topsoil productivity the operator will cover the soil pile with a plastic or other protective cover and place excavated flare pit soil on top of the protective liner to further shield the topsoil and assure the liner remains in place throughout the drilling activities.

14. Fire suppression equipment must be available to all personnel working at the project site. Equipment must include at least one hand tool per crew member consisting of shovels and pulaskis and one properly rated fire extinguisher per vehicle and/or internal combustion engine.

15. All gasoline, diesel, and steam-powered equipment must be equipped with effective spark arresters or mufflers. Spark arresters must meet Forest Service specifications discussed in the "General Purpose and Locomotive (GP/L) Spark Arrester Guide, Volume 1, April, 1988"; "Multi-position Small Engine (MSE) Spark Arrester Guide, April, 1989". In addition, all electrical equipment must be properly insulated to prevent sparks.

16. The permittee/licensee will be held responsible for damage and suppression costs for fires started as a result of operations. Fires must be reported to the Forest Service as soon as possible.

17. The Forest Service reserves the right to suspend operations during periods of high fire potential.

18. The project, including initial reclamation is to be completed by November 30, 1994. Reclamation recontouring and reseeding of disturbed areas will be performed as soon as practicable (within the same drilling season).

19. All surface disturbing activities including reclamation must be supervised by a responsible representative of the permittee/licensee who is aware of the terms and conditions of the projects permits/licenses.

20. Seeding will be performed using the certified seed mix listed below. The seed mixture must meet or exceed the pure live seed standards of the Utah Seed Law containing a maximum allowable weed content of less than 2 percent with no noxious weed species.

Species	Pounds/Acre
Crested Wheatgrass - <i>Agropyron cristatum</i>	2
Intermediate Wheatgrass - <i>Agropyron intermedium</i>	2
Orchard Grass - <i>Dactylis glomerata</i>	2
Perennial Ryegrass - <i>Lolium perenne</i>	2
Yellow Sweet Clover - <i>Melilotus officinalis</i>	1
Rambler Alfalfa - <i>Medicago sativa</i>	1
Eaton Penstemon - <i>Penstemon eatonii</i>	¼
Lewis Flax - <i>Linum lewisii</i>	¼
TOTAL	14½

21. Revegetation will be considered successful when 90% of the pre-disturbed ground cover is re-established over the entire disturbed area. Adjacent undisturbed areas will be used as a base for comparison. Of the vegetative ground cover, at least 90% must consist of seeded or other desirable species. Ninety percent ground cover must be maintained for three years.
22. All vehicle traffic will stay on existing roads and new access routes. Unauthorized off-road vehicular travel is prohibited.
23. Roads and access routes must not be used when they are wet, muddy, and susceptible to damage. The permittee is responsible for repair of any damages which are caused by his/her operations. If operations continue into October additional aggregate surfacing will be required to minimize damage to the existing 50040 road surface.
24. All traffic must maintain safe speeds commensurate with existing conditions.
25. Water must be applied to roadways to control dust if excessive loss of road surface material occurs or visibility creates unsafe driving conditions. Other methods of dust control require specific approval by the Forest Service.

C. REQUIRED APPROVALS, REPORTS AND NOTIFICATIONS

Required verbal notifications are summarized in Table 1, attached.

Building Location- Contact the Forest Service at least 48 hours prior to moving heavy equipment onto National Forest System lands.

Re-entry- The date re-entry is to begin will be reported to the BLM Resource Area Office 24 hours prior re-entry (see attached notifications).

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

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

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

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

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

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

Well Completion Report- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted to the BLM 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. When requested, samples (cuttings and/or samples) will be submitted to the BLM District Office.

Venting/Flaring of Gas- As this is an existing gas well with production facilities, you are not entitled to the standard gas venting/flaring threshold of 30 days or 50 MMcf. Any gas flaring must be approved by the BLM District Office.

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

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

Plugging and Abandonment- If the well is completed as a dry hole, plugging instructions must be obtained from the District Office prior to initiating plugging operations.

A "Subsequent Report of Abandonment" (Form 3160-5) will be filed with the District Office within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR § 3162.6. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the Forest Service.

TABLE 1

NOTIFICATIONS

Notify the Forest Service at (801) 637-2817 for the following:

2 days prior to commencement of dirt work, construction and reclamation

Notify Don Stephens or Dean Nyffeler of the Price River Resource Area in Price, Utah, at (801) 637-4584 for the following:

1 day prior to commencing re-entry;

3 hours prior to performing remedial cement job on the production casing;

3 hours prior to testing BOPE

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

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

Eric Jones, Petroleum Engineer Office: (801) 259-6111
Home: (801) 259-2214

DRILLING PLAN

PROSPECT/FIELD	East Mountain Unit	COUNTY	Emery	STATE	Utah
OWNERS	Meridian Oil Inc.				
WELL NO.	13-35H EMU R/E	LEASE	Meridian Oil, Inc.		
LOCATION	NWSW Section 35-T16S-R6E (1,626' FSL, 644' FWL)				
EST. T.D.	10,370' TVD	GROUND ELEV.	8,759' (est)		

PROGNOSIS: Based on 8,774' KB(est)

<u>MARKER</u>	<u>DEPTH</u>	<u>HYDC</u>	<u>DATUM</u>
Black Hawk Group	0'		
Star Point Sandstone			
Mancos Shale			
Emery Sandstone	2,413'		6,361'
Blue Gate Shale	4,036'		4,738'
Ferron Sandstone	5,782'	0&6	2,992'

LOGS:

<u>Type</u>	<u>Interval</u>
FMS	

DEVIATION:
Directional Well

DST'S:
None Planned

CORES:
None Planned

SAMPLES:
10' thru the build and lateral, 5' as needed to pick markers

Two Man Mudlogger on at KOP

BOP:
7-1/16", 3000 psi Blind, Pipe & Annulars
7-1/16" Rotating Head

Surface Formation:
Max. Anticipated BHP: 0.3 psi/ft

<u>MUD:</u>	<u>Interval</u>	<u>Type</u>	<u>WT</u>	<u>Vis</u>	<u>WL</u>	<u>Remarks</u>
	0' - 5,405'	Water	8.5 +/-	28 +/-	NC	
	5,405' - TD	Air or Air/Mist				

<u>CASING:</u>	<u>Size</u>	<u>Wt ppf</u>	<u>Hole</u>	<u>Depth</u>	<u>Cement</u>	<u>WOC</u>	<u>Remarks</u>
Surface:	13-3/8"	48	17-1/2"	116'	150 sx(To surface)		Existing
Production:	9-5/8"	40	12-1/4"	1,400'	875 sx		Existing
	7. "	20	8-3/4"	6,063'	150 sx		Existing
	3-1/2"	9.2	6-1/8"	TD			Proposed

PROBABLE PLUGS, IF REQ'D: Per Utah BLM requirements.

<u>OTHER:</u>	<u>SURVEYS:</u>
5,380' TVD 5,380' MD :Window / Whipstock	Every +/- 30' in Build
5,405' TVD 5,405' MD :KOP - 15 deg/100' BR	Every +/- 90' in Lateral
5,782' TVD 5,943' MD :80.7 deg. @ Top Ferron ss	Every +/- 30' during any Azimuth changes
5,787' TVD 6,005' MD :90 deg @ EOB	Planned Wellbore Azimuth: North East
5,787' TVD 7,005' MD :TD	Build Rate: 15 deg / 100'

Prep By: GAO *GAO by RJA* **Date:** 6/1/94 (Revised 7/12/94) **Doc:** 1335EMDP.XLS

DRILLING PROGRAM

RECEIVED
 JUL 13 11:12:17
 DEPARTMENT OF LAND MANAGEMENT
 BUREAU OF LAND MANAGEMENT

MERIDIAN OIL INC.

LEASE NAME: 13-35H EMU HRE Federal
LEASE NO.: U-56933
LOCATION: 1626' FSL, 644' FWL
 NWSW Section 35, T16S-R6E
 Emery County, Utah

1. & 2. Estimated Tops of Important Geologic Markers & Est. Depth of Anticipated Water, Oil, Gas or Mineral

<u>Formation</u>	<u>Depth</u>	<u>Datum</u>	Potential <u>Oil, Gas or Water</u>
Black Hawk Group	0'		
Star Point Sandstone			
Mancos Shale			
Emery Sandstone	2413'	6361'	
Blue Gate Shale	4036'	4738'	
Ferron Sandstone	5782'	2992'	O & G

If any shallow water zones are encountered, they will be adequately reported; none anticipated. All potentially productive hydrocarbon zones will be cemented off.

3. Pressure Control Equipment: (See Exhibit "C")

- A. For the Drilling of 6-1/8" hole below 7" surface.
 - 7-1/16" 3M tubing head.
 - 7-1/16" 3M spool w/outlets for kill and manifold line.
 - 7-1/16" 3M double ram BOP with both pipe and blind rams.
 - 7-1/16" 3M spherical and rotating head.
 - Flow nipple w/flow and fill line.
- B. Blind rams and pipe rams will be tested to 3000 psi at Nipple up and every 30 days thereafter (w/test plug). Annular will be tested to 1500 psi at Nipple up. Pipe and Blind rams will be function tested on trips.

4.& 5. Proposed Casing and Cementing Program

<u>Hole Size</u>	<u>Size</u>	<u>Depth</u>	<u>Weight</u>	<u>Grade</u>	<u>Casing Thrd</u>	<u>Cementing Cond Program</u>
17-1/2"	13-3/8"	116'	48#	K-55	STC	150 sx (Existing)
12-1/4"	9-5/8"	1400'	40#	K-55	STC	75 sx (Existing)
8-3/4"	7"	6063'	20,23#	K-55	STC	150 sx (Existing)
6-1/2"	3-1/2"	TD	9.2#	J-55	EUE	new (uncemented liner)-Proposed

<u>COLLAPSE</u>	<u>BURST</u>	<u>TENSION</u>
<u>S.F.(a)</u>	<u>S.F.(b)</u>	<u>S.F.(c)</u>
7400/2.73	6980/2.58	142,460/1.80

- a) 9 ppg fluid on backside, with casing evacuated.
- b) Assume 9 ppg pore press. at TD and gas to surface.
- c) Weight in air- 15,000 lbs.

6. Proposed Drill Mud Program:

<u>Depth</u>	<u>Type</u>	<u>Weight #/gal.</u>	<u>Vis. sec./qt.</u>	<u>Fluid Loss</u>
0' - 5,405'	Water	8.5 +/-	28 +/-	NC
5,405' - TD	Air or Air/Mist			

An adequate supply of mud materials will be maintained on location or readily accessible for the purpose of assuring well control during the course of drilling operations.

Mudlogger on location KOP - T.D.

7. Coring, Logging and Testing Program:

<u>Coring</u> -	No cores are planned
<u>Logging</u>	FMS
<u>DST's</u> -	No drill stem tests are planned

The proposed evaluation program may change at the discretion of the wellsite geologist, with prior approval from the Authorized Officer.

8. Abnormal Conditions:

Underpressured zones are anticipated in the area.

Maximum estimated BHP is 1700 psi (calculated at .3 psi/ft.)

No H₂S has been found, reported or is known to exist at these depths in this area.

9. Anticipated Starting Dates & Notification of Operations:

Anticipated Commencement Date: 8/15/94
 Drilling Days: Approximately 21 Days
 Completion Days: Approximately 3 Days

Notification of Operations:

The Bureau of Land Management, San Raphael Resource Area will be notified at least twenty-four (24) hours PRIOR to the commencement of the following activities:

1. Spudding of the well. This oral report will be followed up with a Sundry Notice (Form 3160-5).
2. Initiating pressure tests of the blow-out preventer and related equipment.
3. Running casing and cementing of ALL casing strings.

Notification of Operations:(cont.)

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in suspended status without prior approval of the Authorized Officer. If operations are to be suspended, prior approval of the Authorized Officer will be obtained and notification given before resumption of operations.

In accordance with Onshore Operating Order #1, this well will be reported on MMS Form 3160-6, "Monthly Report of Operations", starting with the month in which operations commence and continuing each month until the well is physically plugged and abandoned. This report will be filed directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the provisions of NTL-3A or its current revision.

Should the well be successfully completed for production the Authorized Officer will be notified when the well is placed in a producing status. Such notification will be sent no later than five (5) business days following the date on which the well is placed on production.

Pursuant to Onshore Order No. 7, with the approval of the Authorized Officer, produced water may be temporarily disposed of into the reserve pit for a period of up to ninety (90) days. During this period so authorized, an application for approval of the permanent disposal method, along with the required water analysis and other information, will be submitted to the Authorized Officer.

Pursuant to NTL-4A, lessees and operators are authorized to vent/flare gas during initial well evaluation tests, not exceeding a period of thirty (30) days or the production of fifty (50) MMCF of gas, whichever occurs first. An application will be filed with the Authorized Officer, and approval received, for any venting/flaring of gas beyond the initial thirty (30) day or otherwise authorized test period.

A facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 will be submitted to the Platte River Resource Area Office, BLM within thirty (30) days of installation or first production, whichever occurs first. All site security regulations as specified in 43 CFR 3162.7 will be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

No well abandonment operations will be commenced without the prior approval of the Authorized Officer. In the case of newly-drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the Authorized Officer.

A "Notice of Intention to Abandon" (Form 3160.5) will be filed with the Authorized Officer within fifteen (15) days following the granting of oral approval to plug and abandon.

Notification of Operations:(cont.)

A "Subsequent Report of Abandonment" (Form 3160-5) will be submitted within thirty (30) days following the actual plugging of the wellbore. This report will indicate where plugs were placed and the current status of surface restoration operations. If surface restoration has not been completed at that time, a follow-up report on Form 3160-5 will be filed when all surface restoration work has been completed and the location is considered ready for final inspection. Final abandonment will not be approved until the surface reclamation work required by the approved Application for Permit to Drill has been completed to the satisfaction of the Authorized Officer or his representative, or the appropriate Surface Management Agency.

Pursuant to Onshore Operating Order #1, lessees and operators have the responsibility to see that their exploration, development, production, and construction operations are conducted in such a manner which conforms with applicable Federal laws and regulations and with State and local laws and regulations to the extent that such State and local laws are applicable to operations on Federal and Indian lands.

gxm/ 13-35 9pt plan

RP 53: Blowout Prevention Equipment Systems

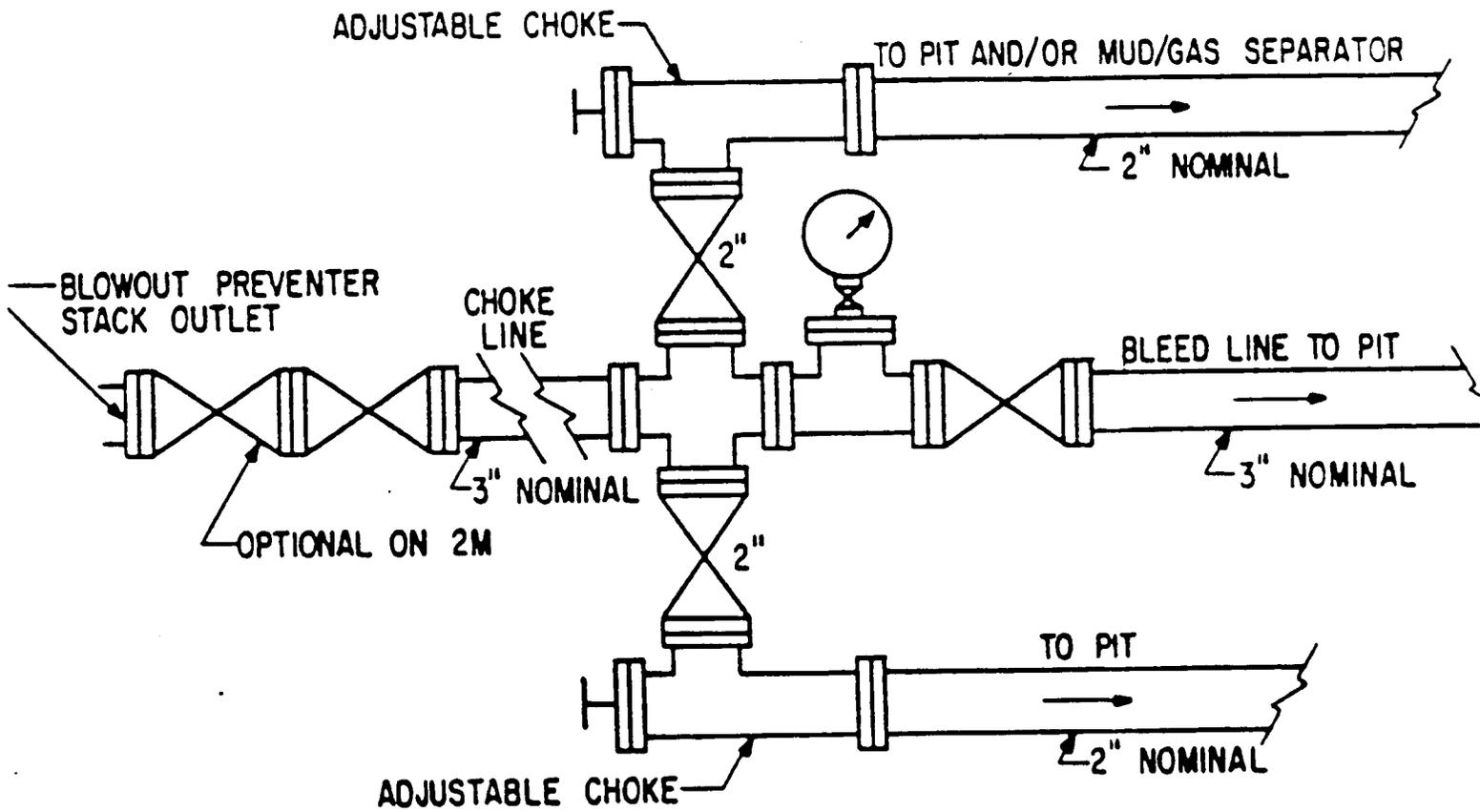
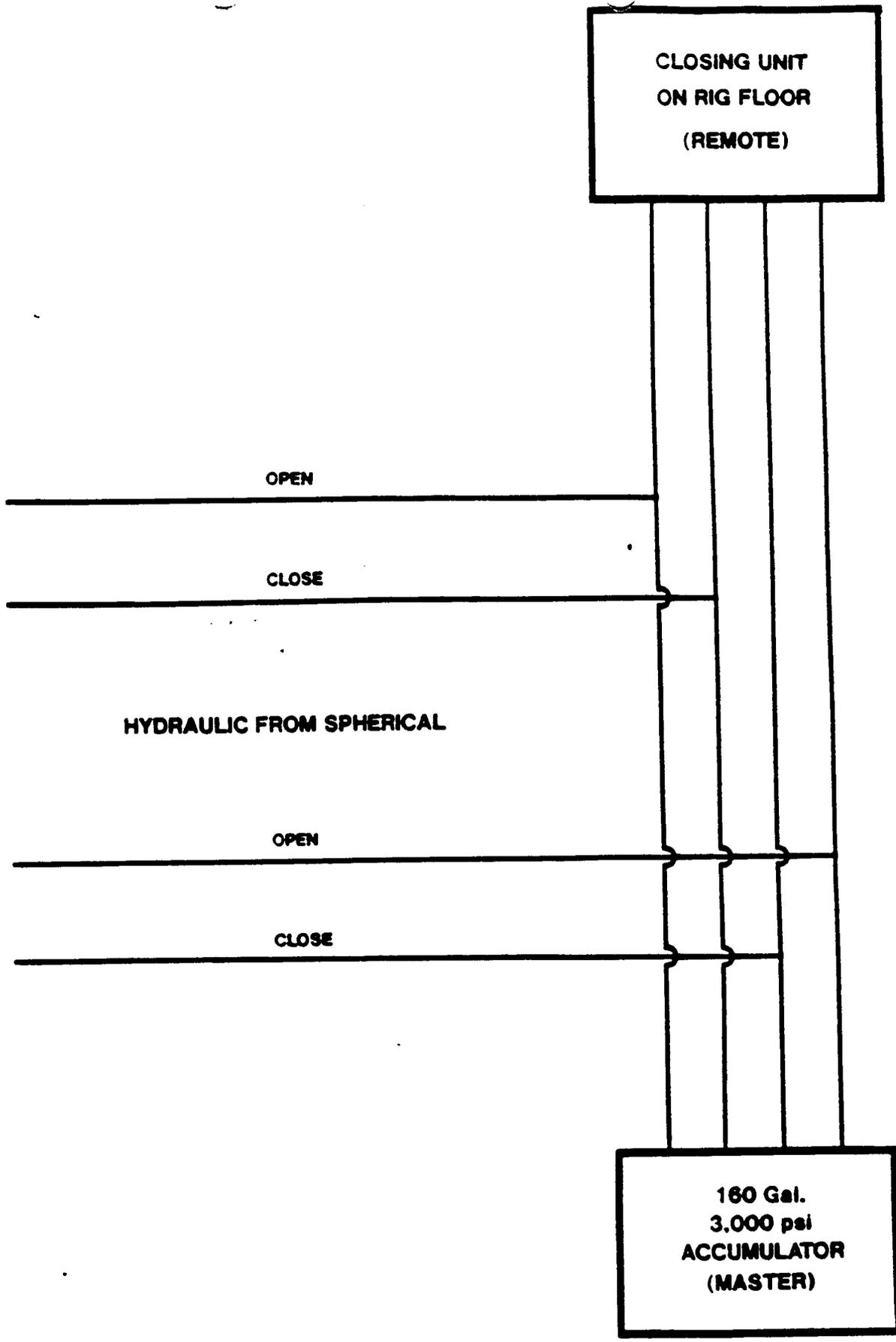


FIG. 3.A.1

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



LOCATED IN AUXILARY EQUIPMENT
BEHIND SUB-STRUCTURE

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
18 1994
DIV OF OIL, GAS & MINING

TYPE HOLE INFORMATION

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.
U-56933

6. If Indian, Allottee or Tribe Name
A

SUBMIT IN TRIPLICATE

7. If Unit or CA, Agreement Designation

57287U6920

8. Well Name and No.
13-35 EMU HRE Federal

9. API Well No.
43-015-30230

10. Field and Pool, or Exploratory Area
East Mountain

11. County or Parish, State
Emery County, UT

1. Type of Well
 Oil Well Gas Well *RE-ENTRY* 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)

1626' FSL, 644' FWL
Sec. 35-T16S-R6E (NWSW)

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 Plug back horizontal side-track and re-establish production
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(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.)*

Meridian Oil Inc. requests permission to plug back the horizontal side track and window of the above captioned well at 5391' w/100 sx. Class "G" cement and re-establish production at the original Ferron perforations: 6022'-6030'; 5796'-5816'; 5786'-5796'.

14. I hereby certify that the foregoing is true and correct *GM*
Signed *Eileen Danni Dey* Title Regulatory Compliance Adm. Date 10/18/94
Eileen Danni Dey

(This space for Federal or State office use)
Approved By *William Stange* Title Associate District Manager Date 10/25/94
Condition of Approval, if any:

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

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

FOR APPROVED
OMB NO 1004-0137
Expires: December 31, 1991

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1. TYPE OF WELL: Oil Well Gas Well Dry Other

2. TYPE OF COMPLETION: New Well Work Over Open Plug Back Diff. Sink Other

3. NAME OF OPERATOR: Meridian Oil Inc.
4. ADDRESS AND TELEPHONE NO.: 5613 DTC Parkway, Englewood, CO 80111 (303)930-9407

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements):
At surface: 1626' FSL, 644' FWL
At top prod. interval reported below: N/A
At total depth: N/A

14. PERMIT NO.: 43-015-30230
DATE ISSUED: 8/19/94

13. DATE BEGUN: 9/29/94
16. DATE T.D. REACHED: 10/25/94
17. DATE COMPL. (Ready for prod.): N/A
18. COUNTY OR PARISH: Emery
19. STATE: Utah

20. TOTAL DEPTH, MD & TVD: 5950' / 5950'
21. PLUG BACK T.D. MD & TVD: 5391'
22. IF MULTIPLE COMPLEMENTS, HOW MANY?: 1
23. INTERVALS DRILLED BY: X
24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD): 6022'-6030', 5799'-5816', 5786'-5796'

25. TYPE ELECTRIC AND OTHER LOGS RUN: CBL/VDL/GR/CCL
26. WAS DIRECTIONAL SURVEY MADE: Yes (attached)

27. WAS WELL COILED: no

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

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
See original completion report					

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)
N/A				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	5378'	5354'

31. PREPARATION RECORD (Interval, size and number)

5378' - 5391' (top and bottom of window)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5385-5386'	150 sx. Class "G"
4856-5390'	100 sx. neat

33. PRODUCTION

DATE FIRST PRODUCTION: N/A
PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump):
WELL STATUS (Producing or shut-in):

DATE OF TEST	WELLS TESTED	CHRONO METER	PROD. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL-GAS RATIO
N/A							

34. DISPOSITION OF GAS (Said, used for fuel, vented, etc.):
35. LIST OF ATTACHMENTS: Reviewed For

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

SIGNED: Georganne Mitchell
TITLE: Regulatory Assistant
DATE: 1/24/95

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

Title 16 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. This report represents a horizontal re-entry of a vertically completed Ferron gas producer. The horizontal re-entry was unsuccessful.

OPERATOR MERIDIAN OIL INC

OPERATOR ACCT. NO. N 7230

ADDRESS _____

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
C	11075	2585	43-015-30231	E MOUNTAIN UNIT 32-23	SWNE	23	16S	6E	EMERY	9-16-89	1-2-96
WELL 1 COMMENTS: *EAST MOUNTAIN UNIT/FERRON P.A. EFF 10-15-87 (INDIAN CREEK 1,3 & 5 FR SOUTHLAND ROYALTY TO MERIDIAN OIL EFF 1-2-96/UNIT WELLS "FERRON A P.A./ENTITY 2585")											
C	10789	2585	43-015-30230	13-35 EMU HRE FEDERAL	NWSW	35	16S	6E	EMERY	9-11-87	1-2-96
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

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

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

L. CORDOVA (DOGM)
 Signature
ADMIN. ANALYST 1-16-96
 Title Date
 Phone No. ()

SCIENTIFIC DRILLING INTERNATIONAL
CASPER WYOMINGFinder Survey
forMERIDIAN OIL INCORPORATED
ENGLEWOOD COLORADO

Job Number : 41FG0994101
Well Number : EAST MOUNTAIN FEDERAL 13-35 EMW R/E
Site Location : EMORY COUNTY, UTAH
Latitude : 39.330
Survey Date(s) : 01-OCT-94
S.D.I. personnel : JON VALENZUELA
Calculation Method : Minimum Curvature
Survey Depth Zero : KB
Proposal Direction : 55.000
Depth Unit : Feet
Comments :

OCT 16 1996

Inrun Survey
MERIDIAN OIL INCORPORATED

Well number : EAST MOUNTAIN FEDER

Date : 01-OCT-94

Measured Depth	Vertical Depth	Vert. Section	Inc Deg	Azimuth Deg	Coordinates Latitude	Departure	D-leg /100ft
0.0	0.00	0.0	0.00	0.00	0.00	0.00	0.00
100.0	100.00	-0.1	0.29	159.07	-0.74	0.09	0.29
200.0	200.00	-0.3	0.41	181.48	-0.83	0.17	0.18
300.0	300.00	-0.7	0.38	179.93	-1.52	0.15	0.03
400.0	399.99	-1.1	0.43	173.75	-2.72	0.70	0.07
500.0	499.99	-1.5	0.47	175.84	-3.01	0.28	0.04
600.0	599.99	-2.0	0.35	212.06	-3.67	0.14	0.28
700.0	699.99	-2.6	0.40	272.26	-3.97	-0.38	0.37
800.0	799.98	-3.3	0.85	289.18	-3.66	-1.43	0.48
900.0	899.95	-4.4	1.66	297.22	-2.75	-3.41	0.83
1000.0	999.91	-5.6	1.63	300.34	-1.37	-5.93	0.09
1100.0	1099.87	-6.7	1.60	306.34	0.18	-8.28	0.17
1200.0	1199.84	-7.4	1.37	311.27	1.79	-10.30	0.26
1300.0	1299.81	-8.0	1.35	310.76	3.35	-12.10	0.02
1400.0	1399.79	-8.4	1.18	319.95	4.91	-13.65	0.26
1500.0	1499.76	-8.4	1.21	325.02	6.57	-14.91	0.13
1600.0	1599.74	-8.4	1.06	329.18	8.24	-15.97	0.16
1700.0	1699.73	-8.2	1.05	327.75	9.80	-16.94	0.03
1800.0	1799.71	-8.1	1.00	333.06	11.36	-17.82	0.11
1900.0	1899.69	-7.8	1.09	335.67	13.00	-18.61	0.10
2000.0	1999.68	-7.4	1.05	336.48	14.71	-19.36	0.04
2100.0	2099.66	-7.0	0.98	342.03	16.36	-20.00	0.12
2200.0	2199.65	-6.4	0.97	346.00	18.00	-20.46	0.07
2300.0	2299.63	-5.8	1.07	344.63	19.72	-20.92	0.10
2400.0	2399.61	-5.2	1.06	345.82	21.52	-21.39	0.03
2500.0	2499.60	-4.5	1.10	347.15	23.35	-21.83	0.05
2600.0	2599.58	-3.7	1.20	347.46	25.31	-22.27	0.10
2700.0	2699.55	-2.9	1.63	342.17	27.08	-22.93	0.45
2800.0	2799.49	-2.0	2.01	341.82	30.70	-23.92	0.38
2900.0	2899.43	-0.8	2.08	345.90	34.13	-24.91	0.16
3000.0	2999.37	0.8	2.02	350.25	37.63	-25.65	0.17
3100.0	3099.30	2.3	2.07	358.97	41.17	-25.98	0.31
3200.0	3199.24	4.4	2.06	1.50	44.77	-25.96	0.09
3300.0	3299.17	6.7	2.19	4.47	48.47	-25.77	0.17
3400.0	3399.09	9.2	2.22	7.72	52.30	-25.36	0.13
3500.0	3499.02	11.9	2.18	8.84	56.09	-24.80	0.06
3600.0	3598.95	14.6	2.29	8.61	59.95	-24.21	0.11
3700.0	3698.86	17.3	2.37	5.30	63.98	-23.72	0.16
3800.0	3798.79	19.9	1.88	14.48	67.63	-23.17	0.60

Meridian Oil Inc.

FAX

Date:

2/23/96

Number of pages including cover sheet:

6

To:

Frank Matthews

Phone:

Fax phone: 801 359 3940

CC:

From:

Meridian Oil Inc.

BROOKE BELL

Phone:

(303) 930-9435

Fax phone:

(303) 930-9491

REMARKS:

Urgent

For your review

Reply ASAP

Please comment

13-35 EMU HRE Federal

Well drilled to 6235' MD, 5803' TVD; attempted to survey, short in cable, pulled out to repair, could not re-enter to TD. Last survey at 6115' MD, 5797' TVD. Also note survey equipment was 61' above the bit. Call me if I can be of any help. My apologies for the incomplete survey.

Thanks Brooke

SCIENTIFIC DRILLING INTERNATIONAL, INC.

CASPER, WYOMING

MERIDIAN OIL INCORPORATED

Well Name :
Location : EAST MOUNTAIN FEDERAL 13-35 EMU R/E
SHL : EMERY COUNTY, UTAH
PBHL :
ACTUAL BHL :
Date of Survey : 10/12/94
Job No. : 41FG0994101
Survey Performed By : JON VALENZUELA

This survey is correct to the best of my knowledge
and is supported by actual field data.

John H. Beckner... COMPANY REPRESENTATIVE

SCIENTIFIC DRILLING INTERNATIONAL, INC.

Client : MERIDIAN OIL INCORPORATED
Well Name :
Location : EAST MOUNTAIN FEDERAL 13-35 EMU R/E Date 10/12/94
SHL : EMERY COUNTY, UTAH Filename : 0994101
PBHL :
ACTUAL BHL :
Height Of WELLSITE Datum Above Field Datum No Interpolation
0.00 ft

Plane of Vertical Section : 59.35°
Latitude & Departure relate to : WELLSITE CENTRE
Vertical Section Originates at : WELLSITE CENTRE
Slot Coordinates : Lat 0.000ft
: Dep 0.000ft
Directions Referenced To : TRUE NORTH
Depth at Drill Floor : 0.00 ft

Calculation Method : MINIMUM CURVATURE

Magnetic Declination : +13.50°
WELLSITE North : +0° 0' 0'' (T)
Grid convergence : +0.0000°

SCIENTIFIC DRILLING INTERNATIONAL, INC.

Client : MERIDIAN OIL INCORPORATED
 Well Name :
 Location : EAST MOUNTAIN FEDERAL 13-35 EMU R/E
 SHL : EMERY COUNTY, UTAH
 PBHL :

Page 1 of 3
 Date 10/12/94
 Filename : 0994101

ACTUAL BHL :
 Height Of WELLSITE Datum Above Field Datum No Interpolation
 0.00 ft

M.DEPTH	ANGLE	DIR	C\L	T V D	V/S	N/S-	E/W-	DLS
ft	deg	deg	ft	ft	ft	ft	ft	"/100
0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00
100.00	0.29	159.07	100	100.00	0.00	-0.24	0.09	0.29
200.00	0.41	181.48	100	200.00	-0.28	-0.83	0.17	0.18
300.00	0.38	179.93	100	300.00	-0.63	-1.52	0.16	0.03
400.00	0.43	173.75	100	399.99	-0.96	-2.22	0.20	0.07
500.00	0.47	175.84	100	499.99	-1.30	-3.01	0.27	0.04
600.00	0.35	212.86	100	599.99	-1.75	-3.67	0.14	0.28
700.00	0.40	272.26	100	699.99	-2.32	-3.91	-0.38	0.37
800.00	0.85	289.18	100	799.98	-3.09	-3.66	-1.43	0.48
900.00	1.66	297.22	100	899.95	-4.34	-2.75	-3.41	0.83
1000.00	1.63	300.34	100	999.91	-5.80	-1.37	-5.93	0.09
1100.00	1.60	306.34	100	1099.87	-7.03	0.18	-8.28	0.17
1200.00	1.37	311.27	100	1199.84	-7.95	1.79	-10.30	0.26
1300.00	1.35	310.76	100	1299.81	-8.70	3.35	-12.10	0.02
1400.00	1.18	319.95	100	1399.79	-9.24	4.91	-13.65	0.26
1500.00	1.21	325.82	100	1499.77	-9.48	6.57	-14.91	0.13
1600.00	1.06	329.16	100	1599.75	-9.54	8.24	-15.97	0.16
1700.00	1.05	327.75	100	1699.73	-9.57	9.80	-16.94	0.03
1800.00	1.00	333.06	100	1799.71	-9.54	11.36	-17.82	0.11
1900.00	1.09	335.67	100	1899.70	-9.38	13.00	-18.61	0.10
2000.00	1.05	336.46	100	1999.68	-9.16	14.71	-19.37	0.04
2100.00	0.98	342.03	100	2099.66	-8.86	16.36	-20.00	0.12
2200.00	0.97	346.00	100	2199.65	-8.43	18.00	-20.46	0.07
2300.00	1.07	344.63	100	2299.63	-7.94	19.72	-20.92	0.10
2400.00	1.06	345.82	100	2399.62	-7.43	21.52	-21.39	0.03
2500.00	1.10	347.15	100	2499.60	-6.88	23.35	-21.83	0.05
2600.00	1.20	347.46	100	2599.58	-6.26	25.31	-22.27	0.10
2700.00	1.63	342.17	100	2699.55	-5.62	27.68	-22.93	0.45
2800.00	2.01	341.82	100	2799.50	-4.92	30.70	-23.92	0.38
2900.00	2.08	345.90	100	2899.43	-4.03	34.13	-24.91	0.16
3000.00	2.02	350.25	100	2999.37	-2.88	37.63	-25.65	0.17
3100.00	2.07	358.97	100	3099.31	-1.36	41.17	-25.98	0.31
3200.00	2.06	1.50	100	3199.24	0.49	44.77	-25.96	0.09
3300.00	2.19	4.47	100	3299.17	2.54	48.47	-25.77	0.17
3400.00	2.22	7.72	100	3399.10	4.85	52.30	-25.36	0.13
3500.00	2.18	8.84	100	3499.02	7.26	56.10	-24.81	0.06
3600.00	2.29	8.61	100	3598.95	9.73	59.95	-24.21	0.11
3700.00	2.37	5.30	100	3698.86	12.21	63.98	-23.72	0.16
3800.00	1.88	14.48	100	3798.80	14.59	67.63	-23.12	0.60
3900.00	1.72	19.55	100	3898.75	16.90	70.63	-22.21	0.23

SCIENTIFIC DRILLING INTERNATIONAL, INC.

Client : MERIDIAN OIL INCORPORATED
 Well Name :
 Location : EAST MOUNTAIN FEDERAL 13-35 EMU R/E
 SHL : EMERY COUNTY, UTAH
 PBHL :

Page 2 of 3
 Date 10/12/94
 Filename : 0994101

ACTUAL BHL :
 Height Of WELLSITE Datum Above Field Datum No Interpolation
 0.00 ft

M.DEPTH	ANGLE	DIR	C\L	T V D	V/S	N/S-	E/W-	DLS
ft	deg	deg	ft	ft	ft	ft	ft	°/100
4000.00	1.70	16.57	100	3998.70	19.14	73.47	-21.29	0.09
4100.00	1.87	24.54	100	4098.65	21.57	76.38	-20.18	0.30
4200.00	1.37	1.40	100	4198.62	23.55	79.05	-19.48	0.81
4300.00	1.38	330.66	100	4298.59	24.21	81.30	-20.04	0.73
4400.00	1.35	312.42	100	4398.56	23.89	83.14	-21.50	0.43
4500.00	1.40	295.06	100	4498.53	22.86	84.46	-23.47	0.42
4600.00	1.55	288.73	100	4598.50	21.29	85.41	-25.86	0.22
4700.00	1.76	287.99	100	4698.46	19.40	86.32	-28.60	0.21
4800.00	1.76	283.89	100	4798.41	17.29	87.16	-31.55	0.13
4900.00	1.76	278.08	100	4898.36	14.99	87.74	-34.57	0.18
5000.00	1.85	268.57	100	4998.31	12.39	87.92	-37.70	0.31
5100.00	1.94	260.92	100	5098.26	9.40	87.61	-40.98	0.27
5200.00	1.88	260.80	100	5198.20	6.30	87.08	-44.28	0.06
5300.00	1.76	261.00	100	5298.15	3.35	86.58	-47.41	0.12
5348.00	1.80	266.21	48	5346.13	1.99	86.41	-48.89	0.35
5378.00	0.53	295.44	30	5376.12	1.49	86.44	-49.49	4.54
5409.00	3.00	50.11	31	5407.11	2.22	87.03	-48.99	10.51
5440.00	7.97	52.76	31	5437.96	5.15	88.85	-46.66	16.05
5467.00	12.90	44.80	27	5464.50	9.93	92.12	-43.04	18.98
5498.00	16.90	53.10	31	5494.46	17.77	97.28	-37.00	14.59
5529.00	20.57	60.13	31	5523.81	27.69	102.70	-28.67	13.88
5560.00	24.05	62.66	31	5552.49	39.45	108.32	-18.33	11.64
5590.00	27.46	65.32	30	5579.51	52.44	114.02	-6.61	12.00
5621.00	31.64	67.20	31	5606.47	67.61	120.16	7.38	13.81
5652.00	36.20	69.10	31	5632.19	84.69	126.58	23.44	15.10
5684.00	40.90	71.50	32	5657.21	104.26	133.27	42.22	15.41
5715.00	45.40	73.70	31	5679.82	124.89	139.60	62.44	15.30
5746.00	49.90	74.10	31	5700.70	147.05	145.95	84.45	14.55
5777.00	55.50	73.50	31	5719.48	170.93	152.83	108.12	18.13
5808.00	61.60	72.90	31	5735.64	196.59	160.47	133.42	19.75
5838.00	68.30	71.90	30	5748.34	223.05	168.69	159.31	22.54
5867.00	74.70	73.10	29	5757.54	249.82	176.95	185.53	22.41
5899.00	77.70	73.70	32	5765.17	279.96	185.83	215.31	9.55
5930.00	79.10	73.00	31	5771.40	309.42	194.53	244.40	5.03
5961.00	81.30	72.30	31	5776.68	339.15	203.64	273.55	7.44
5992.00	81.60	73.20	31	5781.29	368.97	212.73	302.83	3.03
6023.00	82.10	73.40	31	5785.68	398.75	221.55	332.22	1.73
6053.00	82.60	73.00	30	5789.67	427.62	230.14	360.69	2.13
6084.00	83.30	72.40	31	5793.48	457.56	239.29	390.06	2.96
6115.00	83.90	72.60	31	5796.94	487.55	248.55	419.44	2.04
6235.00	83.90	72.60	31	5809.4	604.32	284.24	533.3	0.00

SCIENTIFIC DRILLING INTERNATIONAL, INC.

Client : MERIDIAN OIL INCORPORATED
Well Name :
Location : EAST MOUNTAIN FEDERAL 13-35 EMU R/E
SHL : EMERY COUNTY, UTAH
PBHL :
ACTUAL BHL :
Height Of WELLSITE Datum Above Field Datum

Page 3 of 3
Date 10/12/94
Filename : 0994101

No Interpolation
0.00 ft

Origin of Bottom Hole Closure WELLSITE CENTRE
Bottom Hole Closure 488 ft 59.35'

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.

U-56933

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

7. If Unit or CA, Agreement Designation

East Mountain Unit
57287U6920

8. Well Name and No.
13-35 EMU HRE Federal

9. API Well No.
43-015-30230

10. Field and Pool, or Exploratory Area
East Mountain/Ferron

11. County or Parish, State
Emery 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) 930-9407

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1626' FSL, 644' FWL (NWSW Sec. 35-T16S-R6E)

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

TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other Bottom Hole Location	<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.)*
On 9/22/94, Meridian Oil began operations to drill a lateral in the subject well. The lateral was drilled to 6235' MD, 5803' TVD with a bottom hole location of 1168' FWL and 1937' FSL. After a bit change, an attempt to get back to TD was unsuccessful. Drill pipe was stuck and backed off at 5738' MD. Left in the lateral was 3 jts. drill pipe, 1 monel, 1 soft ride monel, bit sub and bit. The lateral was plugged back w/cement. Meridian sealed the lateral and window w/cement and cleared out the original cased vertical wellbore to 5950'. The well now produces from the original Ferron perforations from 5816' to 5786'. The PBSD is 5950'. The original TD is 6063'. The current bottom hole location is the same as the surface location at 1626' FSL and 644' FWL.

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

Signed Eileen Danni Dey Title Regulatory Compliance Adm. Date 2/7/96
Eileen Danni Dey

(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.

FEB 9 1996

**DIRECTIONAL SURVEY RECORD
WORKSHEET**

Operator: Meridian

Well Name: _____

Page 1 of _____

Contractor: _____

Rig Number: _____

Information for Surveys-

Date Run: _____

Job Number: _____

Surveyor: _____

Proposed Well Direction: _____

Calculation Method: _____

Meas Depth ft	Inclination Drift deg	Bore Hole Bearing deg	Dog leg Severity deg/100'	TVD ft	North/South Departure ft	East/West Departure ft	Closure Direction deg	Closure Distance ft	Vertical Section ft	Station to Trgt Plan ft
<u>5992</u>	<u>81.6</u>	<u>73.2</u>	<u>3.03</u>	<u>5781</u>	<u>212.73</u>	<u>302.83</u>			<u>368.97</u>	
<u>6023</u>	<u>82.1</u>	<u>73.4</u>	<u>1.73</u>	<u>5785.39</u>	<u>221.55</u>	<u>332.22</u>	<u>N56.3E</u>	<u>399.37</u>	<u>398.75</u>	
<u>6053</u>	<u>82.6</u>	<u>73.0</u>	<u>2.13</u>	<u>5789.67</u>	<u>230.14</u>	<u>360.69</u>	<u>N57.5E</u>	<u>427.86</u>	<u>427.62</u>	
<u>6084</u>	<u>83.3</u>	<u>72.4</u>	<u>2.96</u>	<u>5793.48</u>	<u>239.29</u>	<u>390.06</u>	<u>N58.8E</u>	<u>457.61</u>	<u>457.56</u>	
<u>1115</u>	<u>83.90</u>	<u>72.6</u>	<u>2.04</u>	<u>5796.94</u>	<u>248.55</u>	<u>419.44</u>	<u>N59.3E</u>	<u>487.55</u>	<u>487.55</u>	
<u>6235</u>	<u>83.90</u>	<u>72.6</u>	<u>0.00</u>	<u>5809.4</u>	<u>284.24</u>	<u>533.3</u>	<u>N61.9E</u>	<u>604.32</u>		

↑
Survey projected to total M.D.

[Signature]

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

MARALENE SPAWN
 MERIDIAN OIL INC
 PO BOX 3209
 ENGLEWOOD CO 80155-3209

UTAH ACCOUNT NUMBER: N7230

REPORT PERIOD (MONTH/YEAR): 7 / 96

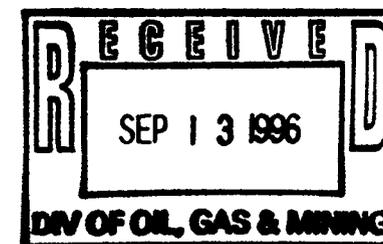
AMENDED REPORT (Highlight Changes)

Well Name API Number	Entity	Location	Producing Zone	Well Status	Days Oper	Production Volumes		
						OIL(BBL)	GAS(MCF)	WATER(BBL)
✓ INDIAN CREEK #1 4301530082	02585	17S 06E 2	FRSD	✓		ML27626	E. mtn. Unit	
✓ INDIAN CREEK 10176-5 4301530117	02585	17S 06E 10	FRSD	✓		U15203	E. mtn. Unit	
✓ INDIAN CREEK UNIT 021762-3 4301530175	02585	17S 06E 2	FRSD	✓		U15204	E. mtn. Unit	
→ 13-35 EMU HRE FEDERAL 4301530230	02585	16S 06E 35	FRSD	✓		U56933	E. mtn. Unit	
✓ E MOUNTAIN UNIT 32-23 4301530231	02585	16S 06E 23	FRSD	✓		U17024	E. mtn. Unit	
✓ HATCH POINT 27-1A 4303730518	02815	27S 21E 27	CNCR	✓		U-20016	Hatch Point U / Exxon? Susp.? (Non committed lease)	
✓ T CANYON UNIT 33-18 4301916203	09515	16S 25E 18	NWSE CDMTN	✓		U05059		
✓ NAVAJO FEDERAL 9-1 4303731001	09975	39S 25E 9	NWNE ISMY	✓		U52333	Kiva (Upper Mesa) Unit	
✓ NAVAJO FEDERAL 4-2 4303731161	09975	39S 25E 4	SWSE ISMY	✓		U52333	Kiva (Upper Mesa) Unit	
✓ NAVAJO FEDERAL #4-4 4303731179	09975	39S 25E 4	NWSW ISMY	✓		U52333	Kiva (Upper Mesa) Unit	
✓ 24-4 KIVA FEDERAL 4303731745	09975	39S 25E 4	SESW ISMY	✓		USA U52333	Kiva (Upper Mesa) Unit	
✓ HAVASU-FEDERAL #22-19 4303731278	10654	38S 24E 19	SESW ISMY	✓		U56186	Kachina Unit	
✓ HAVASU-FEDERAL #41-24 4303731279	10654	38S 23E 24	NENE ISMY	✓		U20895	Kachina Unit	
TOTALS								

COMMENTS: _____

I hereby certify that this report is true and complete to the best of my knowledge. Date: _____
 Name and Signature: _____ Telephone Number: _____

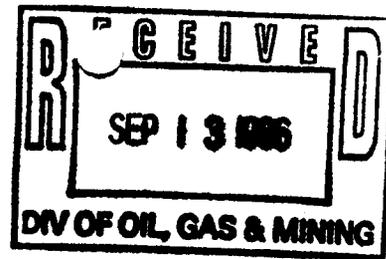
FIELD	WELL NAME	WELL NO	FORMATION/POOL	COUNTY	OCATIO	SEC	TWN	RGE	API NUMBER	FEDERAL LEASE NUMBER	STATE CONTROL NO.
BANNOCK	BANNOCK FEDERAL	21-33	ISMAY	SAN JUAN	NENW	33	038S	024E	43-037-3142500	UTU60786A	10923
CEDAR MOUNTAIN	EAST CANYON UNIT	33-18	CEDAR MOUNTAIN	GRAND	NWSE	18	016S	025E	43-019-1620300	UTU05059	9515
EAST MOUNTAIN	EAST MOUNTAIN FEDERAL	13-35	FERRON	EMERY	NWSW	35	016S	006E	43-015-3023000	57287U6920	10789
EAST MOUNTAIN	EAST MOUNTAIN FEDERAL	32-23	FERRON	EMERY	SWNE	23	016S	006E	43-015-3023100	57287U6920	11075
FERRON	INDIAN CREEK UNIT	1	FERRON	EMERY	SWNW	02	017S	006E	43-015-3008200	57287U6920	02585
FERRON	INDIAN CREEK UNIT	3	FERRON	EMERY	SWSW	02	017S	006E	43-015-3107500	57287U6920	30175 02585
FERRON	INDIAN CREEK UNIT 10176	5	FERRON	EMERY	SENE	10	017S	006E	43-015-3011700	57287U6920	02585
FERRON	INDIAN CREEK UNIT 14176	2	FERRON	EMERY	SWNE	14	017S	006E	43-015-3009100	UTU15202	10907
KACHINA	ARABIAN FEDERAL (wiw)	2	ISMAY	SAN JUAN	NWSW	19	038S	024E	43-037-3128200	UTU56186	10654
KACHINA	ARABIAN FEDERAL	3	ISMAY	SAN JUAN	NESW	19	038S	024E	43-037-3128700	UTU56186	10654
KACHINA	HAVASU FEDERAL (wiw)	11-19	UPPER ISMAY	SAN JUAN	NWNW	19	038S	024E	43-037-3145800	UTU56186	10654
KACHINA	HAVASU FEDERAL	12-19	UPPER ISMAY	SAN JUAN	SWNW	19	038S	024E	43-037-3145700	UTU56186	10654
KACHINA	HAVASU FEDERAL	12-19A	ISMAY	SAN JUAN	SWNW	19	038S	024E	43-037-3145900	UTU56186	10654
KACHINA	HAVASU FEDERAL	22-19	UPPER ISMAY	SAN JUAN	SENE	19	038S	024E	43-037-3127800	UTU56186	10654
KACHINA	HAVASU FEDERAL	41-24	UPPER ISMAY	SAN JUAN	NENE	24	038S	023E	43-037-3127900	UTU20895	10654
KACHINA	HAVASU FEDERAL (wiw)	42-24	UPPER ISMAY	SAN JUAN	SENE	24	038S	023E	43-037-3129800	UTU20895	10654
KACHINA	WASH UNIT (wsw)	2	CUTLER	SAN JUAN	SESE	13	038S	023E	43-037-3132400	UTU20894	10654
KIVA (DESERT CREEK)	NAVAJO FEDERAL	41-5	DESERT CREEK	SAN JUAN	NENE	05	039S	025E	43-037-2542100	UTU57895	31358 10810
KIVA (UPPER ISMAY)	KIVA FEDERAL	24-4	ISMAY	SAN JUAN	SESW	04	039S	025E	43-037-3174500	83687U6890	09975
KIVA (UPPER ISMAY)	NAVAJO FEDERAL (wiw)	12-4	ISMAY	SAN JUAN	SWNW	04	039S	025E	43-037-3139500	83687U6890	09975
KIVA (UPPER ISMAY)	NAVAJO FEDERAL (wiw)	14-4	ISMAY	SAN JUAN	SWSW	04	039S	025E	43-037-3132100	83687U6890	09975
KIVA (UPPER ISMAY)	NAVAJO FEDERAL (wiw)	21-9	ISMAY	SAN JUAN	NENW	09	039S	025E	43-037-3126700	83687U6890	09975
KIVA (UPPER ISMAY)	NAVAJO FEDERAL (wiw)	23-4	UPPER ISMAY	SAN JUAN	NESW	04	039S	025E	43-037-3125900	83687U6890	09975
KIVA (UPPER ISMAY)	NAVAJO FEDERAL	4-2	ISMAY	SAN JUAN	SWSE	04	039S	025E	43-037-3116100	83687U6890	09975
KIVA (UPPER ISMAY)	NAVAJO FEDERAL	4-4	ISMAY	SAN JUAN	NWSW	04	039S	025E	43-037-3117900	83687U6890	09975
KIVA (UPPER ISMAY)	NAVAJO FEDERAL	42-5	UPPER ISMAY	SAN JUAN	SENE	05	039S	025E	43-037-3126100	83687U6890	10655
KIVA (UPPER ISMAY)	NAVAJO FEDERAL (wsw)	42-9	WINGATE/CUTLER	SAN JUAN	SENE	09	039S	025E	43-037-3126300	83687U6890	09975
KIVA (UPPER ISMAY)	NAVAJO FEDERAL	9-1	UPPER ISMAY	SAN JUAN	NWNE	09	039S	025E	43-037-3100100	83687U6890	09975
KIVA (UPPER ISMAY)	NAVAJO FEDERAL (WIW)	4-1	ISMAY	SAN JUAN	SESW	04	039S	025E	43-037-3111200	83687U6890	09975
KIVA (UPPER ISMAY)	NAVAJO FEDERAL (WIW)	43-5	ISMAY	SAN JUAN	NWSW	05	039S	025E	43-037-3131700	83687U6890	09975
TON MESA	HATCH POINT FEDERAL	27-1A	CANE CREEK	SAN JUAN	NESW	27	027S	021E	43-037-3051800	8910184250	02815



CHANGE OF OPERATOR STATE OF - UT

COUNTY	FIELD NAME	WELL NAME	STR	LSE#	WELLTYPE	APIWELL	COMM NO.	FED CNTRL	ST CNTRL
EMERY	EAST MOUNTAIN ,FERRON	EAST MOUNTAIN FEDERAL 13-35	35 016S 006E	ML-27626	GAS WELL	43,015,3023000	UT060P49-87U69	57287U6920	025 <i>U56933</i>
EMERY	EAST MOUNTAIN ,FERRON	EAST MOUNTAIN FEDERAL 32-23	23 016S 006E		GAS WELL	43,015,3023100	UT060P49-87U69	57287U6920	025 <i>U17024</i>
EMERY	FERRON ,FERRON	INDIAN CREEK 021762 3	02 017S 006E	ML-27626	GAS WELL	43,015,3017500		57287U6920	025 <i>U15204</i>
EMERY	FERRON ,FERRON	INDIAN CREEK 1	02 017S 006E	ML-27626	GAS WELL	43,015,3008200		57287U6920	025 <i>ML-27626</i>
EMERY	FERRON ,FERRON	INDIAN CREEK 10176 5	10 017S 006E	ML-27626	GAS WELL	43,015,3011700		57287U6920	025 <i>U15203</i>
EMERY	FERRON ,FERRON	INDIAN CREEK 14176 1	14 017S 006E	UTU15202	GAS WELL	43,015,3009100		UTU15202	109 <i>U15202</i>
SAN JUAN	BANNOCK ,ISMAY	BANNOCK FEDERAL 21-33	33 038S 024E	UTU60786	OIL WELL	43,037,3142500	60786A	UTU60786A	109 <i>U40301</i>
SAN JUAN	KACHINA ,CUTLER	WASH UNIT 2	13 038S 023E	UTU20894	WATER SOURCE	43,037,3132400		UTU20894	106 <i>U20894 (To Water Rights 4-7-97)</i>
SAN JUAN	KACHINA ,ISMAY	ARABIAN FEDERAL 2	19 038S 024E	UTU56186	WATER INJECTED	43,037,3128200		UTU56186	106 <i>U56186</i>
SAN JUAN	KACHINA ,ISMAY	HAVASU FEDERAL 11-19	19 038S 024E	UTU56186	WATER INJECTED	43,037,3145800		UTU56186	106 <i>U56186</i>
SAN JUAN	KACHINA ,ISMAY	HAVASU FEDERAL 12-19	19 038S 024E	UTU56186	OIL WELL	43,037,3145700		UTU56186	106 <i>U56186</i>
SAN JUAN	KACHINA ,ISMAY	HAVASU FEDERAL 12-19A	19 038S 024E	UTU56186	OIL WELL	43,037,3145900		UTU56186	106 <i>U56186</i>
SAN JUAN	KACHINA ,ISMAY	HAVASU FEDERAL 22-19	19 038S 024E	UTU56186	OIL WELL	43,037,3127800		UTU56186	106 <i>U56186</i>
SAN JUAN	KACHINA ,ISMAY	HAVASU FEDERAL 41-24	24 038S 023E	UTU20895	OIL WELL	43,037,3127900		UTU20895	106 <i>U56186</i>
SAN JUAN	KACHINA ,ISMAY	HAVASU FEDERAL 42-24	24 038S 023E	UTU20895	WATER INJECTED	43,037,3129800		UTU20895	106 <i>U20895</i>

MERIDIAN OIL



September 10, 1996

State of Utah
Division of Oil, Gas and Mining
~~1594~~ ³⁵⁵ West North Temple
Salt Lake City, UT 84180

Re: Name Change from Meridian Oil Inc. to
Burlington Resources Oil & Gas Co.

Gentlemen:

Please be advised effective July 11, 1996 Meridian Oil Inc. changed their name and address to:

Burlington Resources Oil & Gas Co.
3300 North "A" St., Bldg. 6
Midland, TX 79710-1810

Please see the attached list of wells that Burlington Resources operates in the State of Utah. If you should have any questions, please contact me at (303) 930-9393 or after September 30th at (915) 688-6800.

Sincerely,

BURLINGTON RESOURCES OIL & GAS CO.

A handwritten signature in cursive script, appearing to read "Eileen Danni Dey".

Eileen Danni Dey
Senior Regulatory Compliance Representative

Enclosure

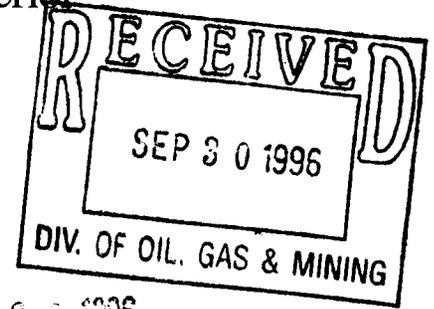
Exhibit of Leases Affected

SL-071010C	U-8894A	U-40751	U-61752
SL-071595	U-8895A	U-45051	U-62143
U-0681	U-8897A	U-45929	U-62190
U-0683	U-15202	U-46825	U-63181
U-0684	U-15203	U-51045	UTU-64930
U-0685	U-15204	U-51046	UTU-64931
U-0719	U-16962A	U-51047	UTU-65329
U-0725	U-17024	U-52333	UTU-65607
U-0737	U-17623	U-56186	UTU-65750
U-0741	U-19281	U-56932	UTU-65751
U-0744	U-20016	U-56933	UTU-65868 (ROW)
U-03333	U-20895	U-56934	UTU-65940
U-04049	U-24606	U-57895	UTU-65943
U-04049A	U-39832	U-58728	UTU-66025
U-05059	U-40361	U-60428	UTU-66487
U-08107	U-40440	U-60520	UTU-66584
U-062420	U-40544 (ROW)	U-61556	UTU-66708
UTU-66830	UTU-66831	UTU-67565	UTU-67568
UTU-67569	UTU-67570	UTU-68232	UTU-68664
UTU-68676	UTU-69434	UTU-70115 (ROW)	UTU-70196
UTU-72660	U-60786X (Bannock Unit)	U-63089X (East Mountain Unit)	



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155



SEP 28 1996

In Reply Refer To
3100
SL-071010C
(UT-932)

NOTICE

Burlington Resources Oil & Gas Company : Oil and Gas
801 Cherry Street, Suite 900 : SL-071010C
Fort Worth, Texas 76102 :

Corporate Name Change Recognized

Acceptable evidence has been filed in this office concerning the corporate name change from Meridian Oil Inc. to Burlington Resources Oil & Gas Company.

For our purposes, the name change is recognized effective July 12, 1996, the date the Secretary of State of Delaware certified the name change.

The oil and gas lease files identified on the enclosed exhibit have been noted as to the name change. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our field offices, you will be contacted by them.

A rider to Bond No. 400IA9059 (BLM Bond No. MT0719) has been accepted by the Montana State office as of September 16, 1996, its date of receipt. The rider changed the name on the bond from Meridian Oil Inc. to Burlington Resources Oil & Gas Company.

ROBERT LOPEZ

Robert Lopez
Group Leader,
Minerals Adjudication Group

Enclosure

Exhibit (1 p)

cc: MMS, Data Management Division, P.O. Box 5860, MS 3113, Denver, Colorado 80217
Moab District Office
Vernal District Office

bc: State of Utah, ATTN: Lisha Cordova, Division of Oil, Gas and Mining, P.O. Box 145801,
Salt Lake City, Utah 84114-5801
Teresa Thompson (UT-931)
Irene Anderson (UT-932)

OPERATOR CHANGE WORKSHEET

1-LEC	6-LEC
2-GLF	7-KDR
3-DTS	8-SJ
4-VLD	9-FILE
5-RJF	

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: 7-11-96

TO: (new operator) <u>BURLINGTON RESOURCES O&G CO.</u>	FROM: (old operator) <u>MERIDIAN OIL INC</u>
(address) <u>3300 N "A" ST BLDG 6</u>	(address) <u>PO BOX 3209</u>
<u>MIDLAND TX 79710-1810</u>	<u>ENGLEWOOD CO 80155-3209</u>
<u>EILEEN DANNI DEY</u>	<u>EILEEN DANNI DEY</u>
Phone: <u>(915)688-6800</u>	Phone: <u>(303)930-9393</u>
Account no. <u>N7670</u>	Account no. <u>N7230</u>

WELL(S) attach additional page if needed: *KACHINA, KIVA, EAST MOUNTAIN, BANNOCK UNIT'S

Name: <u>**SEE ATTACHED**</u>	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

OPERATOR CHANGE DOCUMENTATION

- Yec 1. (r649-8-10) Sundry or other legal documentation has been received from the FORMER operator (attach to this form). *(Rec'd 9-13-96)*
- Yec 2. (r649-8-10) Sundry or other legal documentation has been received from the NEW operator (Attach to this form). *(Rec'd 9-13-96)*
- Yec 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is the company registered with the state? (yes/no) ____ If yes, show company file number: #096593. *(E.H. 1-29-82)*
- Yec 4. FOR INDIAN AND FEDERAL WELLS ONLY. The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of Federal and Indian well operator changes should ordinarily take place prior to the division's approval, and before the completion of steps 5 through 9 below.
- Yec 5. Changes have been entered in the Oil and Gas Information System (3270) for each well listed above. *(i. uic Program)*
(10-3-96)
- Yec 6. Cardex file has been updated for each well listed above. *(10-3-96)*
- Yec 7. Well file labels have been updated for each well listed above. *(10-3-96)*
- Yec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(10-3-96)*
- Yec 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. (r649-8-7) 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. Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.

BOND VERIFICATION - (FEE WELLS ONLY) *961002 "Rider" 80,000 to Burlington rec'd by Trust Lands Admin.

- Yes 1. (r649-3-1) 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 operator's bond files.
- N/A 3. The FORMER operator has requested a release of liability from their bond (yes/no) _____, as of today's date _____. If yes, division response was made to this request by letter dated _____.

LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

- N/A 1. Copies of documents have been sent on _____ to _____ at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
OTS 11/4/96

FILMING

- Yes 1. All attachments to this form have been microfilmed. Today's date: 12-27-96.

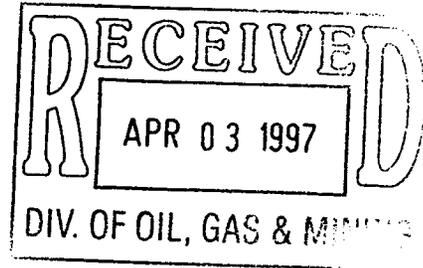
FILING

- 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 are now being filed in the Operator Change file.

COMMENTS

MERIT ENERGY COMPANY

12222 MERIT DRIVE, SUITE 1500
DALLAS, TEXAS 75251
(972) 701-8377
(972) 960-1252 Fax



April 2, 1997

Utah Division of Oil, Gas and Mining
Attn: Ms. Lisha Cordova
1594 West North Temple
Suite 1210
Salt Lake City, Utah 84114

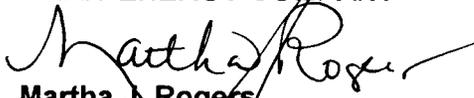
RE: Change of Operator to Merit Energy Company
Emery and San Juan County

Dear Ms. Cordova:

Enclosed please find a copy of Form 3160 executed by both parties, Merit Energy and Burlington Resources.

If additional information or forms are required to process this transaction, please contact me at 972-701-8377.

Yours very truly,
MERIT ENERGY COMPANY


Martha J. Rogers
Manager, Regulatory Affairs

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation
UT060P49-87U69

8. Well Name and No.
EAST MOUNTAIN FEDERAL 13-35

9. API Well No.
43,015,3023000

10. Field and Pool, or Exploratory Area
EAST MOUNTAIN, FERRON

11. County or Parish, State
EMERY, UT

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
BURLINGTON RESOURCES OIL & GAS COMPANY

3. Address and Telephone No (915)688-6800
P. O. BOX 51810, MIDLAND, TX 79710-1810

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1626' FSL, 644' FWL, NWSW
35 016S 006E, SLM

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

TYPE OF SUBMISSION

TYPE OF ACTION

Notice of Intent

Abandonment

Change of Plans

Subsequent Report

Recompletion

New Construction

Final Abandonment Notice

Plugging Back

Non-Routine Fracturing

Casing Repair

Water Shut-Off

Altering Casing

Conversion to Injection

Other CHANGE OF OPERATOR

Dispose Water

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

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

EFFECTIVE JANUARY 1, 1997, BURLINGTON RESOURCES OIL & GAS COMPANY, THE OPERATOR OF RECORD OF THE EAST MOUNTAIN FEDERAL 13-35 WELL, TRANSFERRED ALL OF ITS RIGHT, TITLE AND INTEREST IN SAID WELL TO MERIT PARTNERS, L.P. (AS TO 92.4%) AND MERIT ENERGY PARTNERS III, L.P. (AS TO 7.6%), C/O MERIT ENERGY COMPANY, 12222 MERIT DRIVE, DALLAS, TX 75251.

ON APRIL 1, 1997, MERIT ENERGY COMPANY, GENERAL PARTNER FOR MERIT PARTNERS, L.P. AND MERIT ENERGY PARTNERS III, L.P., WILL TAKE OVER PHYSICAL OPERATIONS OF SAID WELL ON BEHALF OF SAID LIMITED PARTNERSHIPS

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

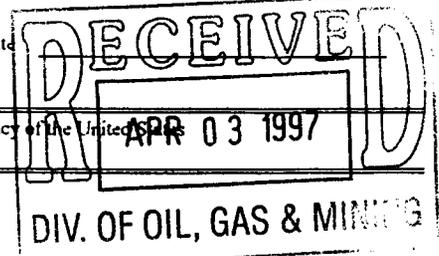
Signed Kent Beers Title Attorney-in-Fact

Date March 31, 1997

(This space for Federal or State office use)

Approved By _____ Title _____

Condition of Approval, If any:



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation
UT060P49-87U69

8. Well Name and No.
EAST MOUNTAIN FEDERAL 13-35

9. API Well No.
43,015,3023000

10. Field and Pool, or Exploratory Area
EAST MOUNTAIN, FERRON

11. County or Parish, State
EMERY, UT

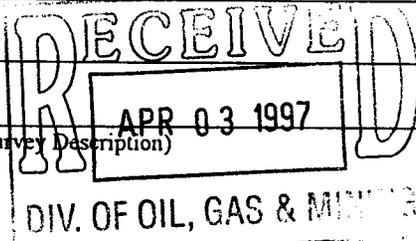
SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
MERIT ENERGY COMPANY

3. Address and Telephone No (972) 701-8377
12222 MERIT DRIVE, DALLAS, TX 75251

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1626' FSL, 644' FWL, NWSW
35 016S 006E, SLM



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

TYPE OF SUBMISSION

TYPE OF ACTION

Notice of Intent

Abandonment

Change of Plans

Subsequent Report

Recompletion

New Construction

Final Abandonment Notice

Plugging Back

Non-Routine Fracturing

Casing Repair

Water Shut-Off

Altering Casing

Conversion to Injection

Other CHANGE OF OPERATOR

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

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

EFFECTIVE AS OF JANUARY 1, 1997, BURLINGTON RESOURCES OIL & GAS COMPANY, THE PRIOR OPERATOR OF RECORD, TRANSFERRED ALL RIGHT, TITLE AND INTEREST IN THE EAST MOUNTAIN FEDERAL 13-35 WELL TO MERIT PARTNERS, L.P. (AS TO 92.4%) AND MERIT ENERGY PARTNERS III, L.P. (AS TO 7.6%), C/O MERIT ENERGY COMPANY, 12222 MERIT DRIVE, DALLAS, TX 75251. ON APRIL 1, 1997, MERIT ENERGY COMPANY, THE GENERAL PARTNER FOR MERIT PARTNERS, L.P. AND MERIT ENERGY PARTNERS III, L.P., WILL TAKE OVER PHYSICAL OPERATIONS OF SAID WELL ON BEHALF OF SAID LIMITED PARTNERSHIPS AND IS CONSIDERED TO BE THE OPERATOR OF SAID WELL AS OF THAT DATE.

MERIT ENERGY COMPANY IS RESPONSIBLE UNDER THE TERMS AND CONDITIONS OF THE LEASE FOR THE OPERATIONS CONDUCTED UPON THE LEASED LANDS. BOND COVERAGE IN THE AMOUNT OF \$150,000 FOR MERIT ENERGY COMPANY IS PROVIDED UNDER BLM BOND NO. WY3011, IN FAVOR OF THE BUREAU OF LAND MANAGEMENT, U. S. DEPARTMENT OF THE INTERIOR.

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

Signed Martha Rogers Title Manager, Regulatory Affairs Date March 31, 1997

(This space for Federal or State office use)

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

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

MARALENE SPAWN
 BURLINGTON RESOURCES O&G
 3300 N A ST BLDG 6
 MIDLAND TX 79710-1810

UTAH ACCOUNT NUMBER: N7670

REPORT PERIOD (MONTH/YEAR): 10 / 97

AMENDED REPORT (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes					
API Number	Entry	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)			
INDIAN CREEK #1			FRSD			ML27626	Awaiting Bond 11/97				
4301530082	02585	17S 06E 2									
INDIAN CREEK 10176-5						FRSD			U15203	E. mtn. unit "Ferr R"	
4301530117	02585	17S 06E 10									
INDIAN CREEK UNIT 021762-3											
4301530175	02585	17S 06E 2	FRSD			U15204					
E3-35 EMU HRE FEDERAL			FRSD			U56933					
4301530230	02585	16S 06E 35									
E MOUNTAIN UNIT 32-23			FRSD			U17024					
4301530231	02585	06E 23									
BANNOCK-FEDERAL 21-33			ISMY								
4303731425	10923	38S 24E 33									
TOTALS											

COMMENTS: _____

I hereby certify that this report is true and complete to the best of my knowledge. Date: _____

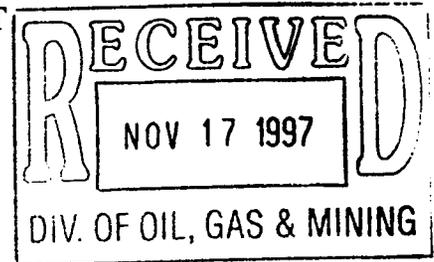
Name and Signature: _____ Telephone Number: _____



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155



IN REPLY REFER TO
UT-931

COPY

November 13, 1997

Merit Energy Company
Attn: Martha J. Rogers
12222 Merit Drive, Suite 1500
Dallas, Texas 75251

Re: East Mountain Unit
Emery County, Utah

Gentlemen:

On November 7, 1997, we received an indenture dated April 1, 1997, whereby Burlington Resources Oil & Gas Company resigned as Unit Operator and Merit Energy Company was designated as Successor Unit Operator for the East Mountain Unit, Emery County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective November 13, 1997. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the East Mountain Unit Agreement.

Your nationwide (Wyoming) oil and gas bond No. 3011 will be used to cover all operations within the East Mountain Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

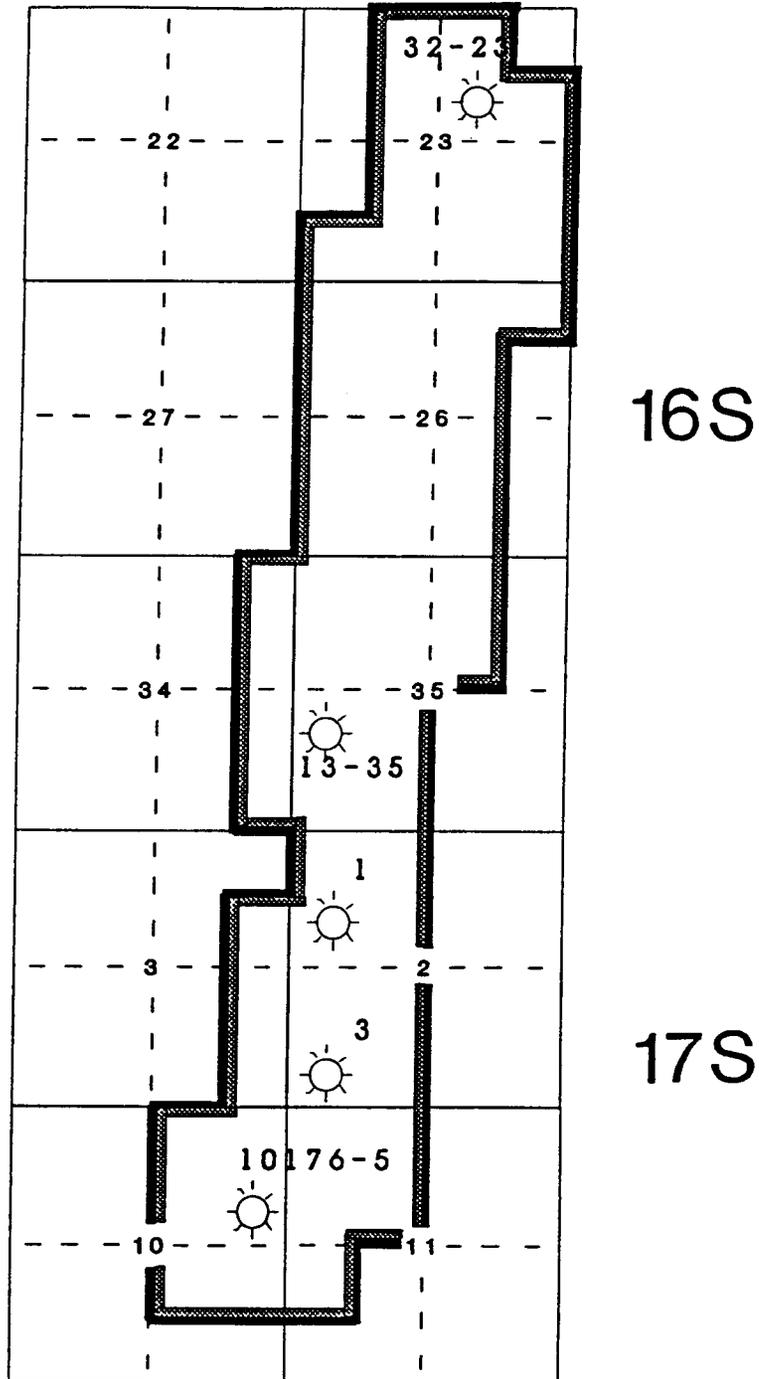
Enclosure

bcc: District Manager - Moab (w/enclosure)
Division of Oil, Gas & Mining
Minerals Adjudication Group U-932
File - East Mountain Unit (w/enclosure)
MMS - Data Management Division
Agr. Sec. Chron
Fluid Chron

UT931:TAThompson:tt:11/13/97

EAST MOUNTAIN UNIT

Emery County, Utah



EFFECTIVE: AUGUST 21, 1987 **6E**

UNIT OUTLINE (UTU63089X)

FERRON PA "A"

AS CONTRACTED, OCTOBER 15, 1992

2,437.48 ACRES

FERRON PA "A"	
ALLOCATION	
FEDERAL	92.8310%
STATE	7.1690%
2,437.48 Acres	

OPERATOR CHANGE WORKSHEET

1-LEC	6-LEC
2-GIT	7-KAS
3-DTS	8-SI
4-VLD	9-FILE
5-IRB	

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: 4-1-97

TO: (new operator)	<u>MERIT ENERGY COMPANY</u>	FROM: (old operator)	<u>BURLINGTON RESOURCES O&G</u>
(address)	<u>12222 MERIT DR STE 1500</u>	(address)	<u>3300 N A ST BLDG 6</u>
	<u>DALLAS TX 75251</u>		<u>MIDLAND TX 79710-1810</u>
	<u>MARTHA ROGERS</u>		<u>MARALENE SPAWN</u>
	Phone: <u>(972) 701-8377</u>		Phone: <u>(915) 688-6800</u>
	Account no. <u>N4900 (4-30-97)</u>		Account no. <u>N7670</u>

WELL(S) attach additional page if needed:

Name: **SEE ATTACHED**	API: <u>43-015-30730</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

OPERATOR CHANGE DOCUMENTATION

- See 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). *(Rec'd 4-3-97)*
- See 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). *(Rec'd 4-3-97)*
- N/A 3. The **Department of Commerce** has been contacted if the new operator above is not currently operating any wells in Utah. Is the 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. Make note of BLM status in comments section of this form. BLM approval of **Federal** and **Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of **steps 5 through 9** below.
- See 5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. *(11-19-97)*
- See 6. **Cardex** file has been updated for each well listed above. *(11-19-97)*
- See 7. **Well file labels** have been updated for each well listed above. *(11-19-97)*
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" **memo** for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(11-19-97)*
- 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

- Yes 1. (r649-8-7) 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. Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.

BOND VERIFICATION - (FEE WELLS ONLY)

- Yes 1. (r649-3-1) 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 operator's bond files.
- ____ 3. The FORMER operator has requested a release of liability from their bond (yes/no) _____, as of today's date _____. If yes, division response was made to this request by letter dated _____.

LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

- N/A 1. Copies of documents have been sent on _____ to _____ at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
DT > 11/21/97
- N/A 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated _____ 19 __, of their responsibility to notify all interest owners of this change.

FILMING

- Yes 1. All attachments to this form have been microfilmed. Today's date: 1.5.98.

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 are now being filed in the Operator Change file.

COMMENTS

971119 BLM/SL Aprv. eff. 11-13-97.

*Indian Creek #1 - mL 27626 will be handled on separate change - awaiting bonding.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Wyoming State Office

P.O. Box 1828

Cheyenne, Wyoming 82003-1828



IN REPLY REFER TO:

3106.8

(921Jensen)

PHONE NO: (307) 775-6252

FAX NO: (307) 775-6173

AUG 05 2005

Merit Management Partners I L.P.
13727 Noel Road, Ste 500
Dallas, TX 75240

BLM - WY - 950
2005 AUG 11 AM 10:05

Name Change Recognized

Acceptable evidence has been received in this office concerning the name change of **Merit Partners L.P.** into **Merit Management Partners I, L.P.**

For our purposes, this name change is recognized effective **September 23, 2004.**

The oil and gas lease files identified on the enclosed exhibit have been noted as to the name change. This exhibit was compiled from a list of leases obtained from our Legacy Rehost System (LR2000) showing record title (lessee) interest and rights-of-way grants.

To document case files of leases with operating rights, working interests, or overriding royalties, **Merit Management Partners I L. P.** must submit a list of leases numbers. Our office does not record these types of ownership in our automated system. A request was made from your company for a list of lease numbers affected by this name change. Your verbal response was we should use the list of leases we have in our automated system. We have provided a copy of this printout with this notice for your information.

We have not abstracted the lease files to determine the accuracy of any record title, operating rights, working interests or overriding royalty percentage interests. This notice is intended only to recognize a legal change of company name. Any conflicts of record title interest ownership will have to be addressed on an individual level with documents recorded in the case files.

Our office will submit a copy of this notice to the Minerals Management Service and all other Bureau of Land Management offices. If additional documentation for changes of operator is required by our field offices, you will be contacted by them.

If you identify additional leases affected by this name change, please contact this office and we will document those files with a copy of this Notice.

STATE OF DELAWARE
AMENDMENT TO THE CERTIFICATE
OF LIMITED PARTNERSHIP

MERIT PARTNERS, L.P.
(NEW NAME: MERIT MANAGEMENT PARTNERS I, L.P.)

The undersigned, desiring to amend the Certificate of Limited Partnership pursuant to the provisions of Section 17-202 of the Revised Uniform Limited Partnership Act of the State of Delaware, does hereby certify as follows:

FIRST: The name of the Limited Partnership is Merit Partners, L.P.

SECOND: The Certificate of Limited Partnership is amended and restated to read in its entirety as follows:

1. The name of the Limited Partnership is Merit Management Partners I, L.P.
2. The address of the registered office of the Limited Partnership in the State of Delaware is 2711 Centerville Road, Suite 400, Wilmington, New Castle County, Delaware 19808. The Limited Partnership's registered agent at that address is Corporation Service Company.
3. The name of the general partner is Merit Energy Company, a Delaware corporation, and the mailing address and street address of the business of such general partner is 13727 Noel Road, Suite 500, Dallas, Texas 75240.

IN WITNESS WHEREOF, the undersigned, being the sole general partner of the Limited Partnership, has caused this Amendment to the Certificate of Limited Partnership to be duly executed on the 15th day of September, 2004.

MERIT ENERGY COMPANY.

By: _____


Bonnie C. Shea, President

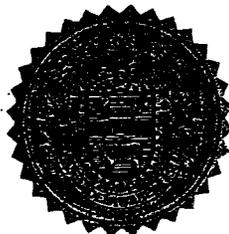
Delaware

PAGE 1

The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "MERIT PARTNERS, L.P.", CHANGING ITS NAME FROM "MERIT PARTNERS, L.P." TO "MERIT MANAGEMENT PARTNERS I, L.P.", FILED IN THIS OFFICE ON THE TWENTY-THIRD DAY OF SEPTEMBER, A.D. 2004, AT 6:20 O'CLOCK P.M.

RECEIVED
CHEYENNE, WYOMING
05 MAY -9 AM 9:00
DEPARTMENT OF THE TREASURY
BUREAU OF LAND MANAGEMENT



2286808 8100

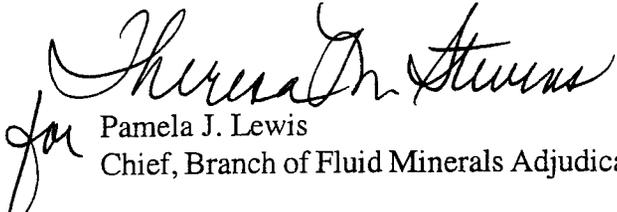
050341031

Harriet Smith Windsor

Harriet Smith Windsor, Secretary of State
AUTHENTICATION: 3841741

DATE: 04-27-05

Please direct any questions concerning this correspondence to Ronelle L. Jensen at (307) 775-6252.


for Pamela J. Lewis
Chief, Branch of Fluid Minerals Adjudication

Attachment

cc:

Name Change Log
Public Room Name Change Log
(921Judy)
(921Jensen)
(921Olsen)
All State Offices
MMS
Casper, RMG Sharon Taylor

Minerals Field Offices

Denise Oliverius, Buffalo FO
Newcastle FO
Ellen Burris, Casper FO
Beth Holden, Rawlins FO
Dorothy Savage, Rock Springs FO
Debbie Larsen, Lander FO
Jean Cattelan, Kemmerer FO
Karen Olsen, Pinedale FO
Cara Blank, Cody FO
Kelly Lyman, Worland FO



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
<http://www.blm.gov>



IN REPLY REFER TO:
3106
(UT-922)

August 15, 2005

Memorandum

To: Moab Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Name Change Approval

Attached is an approved copy of the name change recognized by the Wyoming State Office. We have updated our records to reflect the name change from Merit Partners L.P. into Merit Management Partners I, L.P. The name change was approved effective September 23, 2004.

Teresa L. Catlin
Acting Chief, Branch of
Fluid Minerals

Enclosure
Articles of Organization (4 pp)

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114
Teresa Thompson
Joe Incardine
Connie Seare
Dave Mascarenas
Susan Bauman

RECEIVED

AUG 16 2005

DIV. OF OIL, GAS & MINING

LLE: Judy Nordstrom

MEMO WRITTEN: August 15, 2005

Name of Company:

OLD

NEW NID

Merit Partners L.P.
12222 Merit Drive, Suite 1500
Dallas TX 75251

Merit Management Partners I, L.P.
13727 Noel Road, Suite 500
Dallas TX 75240

September 23, 2004 (940) NAME CHANGE RECOGNIZED
(DATE)

(DATE) (817) CORPORATE MERGER RECOGNIZED

		T	R	Sec
UTU-15202 ✓	43-015-30091	17S	6E	14
UTU-15203 ✓	43-015-30117	17S	6E	10
UTU-15204 ✓	43-015-30175	17S	6E	02
UTU-17024 ✓	43-015-30231	16S	6E	23
UTU-19281				
UTU-20016 ✓	43-037-30518	27S	21E	27
UTU-24606				
UTU-51045				
UTU-51046				
UTU-51047				
UTU-56932				
UTU-56933 ✓	43-015-30230	16S	6E	35
UTU-56934				
UTU-67568				

12/6/05 Note: No operator change requested at DOGM. ER

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-56933	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
7.UNIT or CA AGREEMENT NAME: EAST MOUNTAIN	
1. TYPE OF WELL Gas Well	
8. WELL NAME and NUMBER: 13-35 EMU HRE FEDERAL	
2. NAME OF OPERATOR: MERIT ENERGY COMPANY	
9. API NUMBER: 43015302300000	
3. ADDRESS OF OPERATOR: 13727 Noel Rd Ste 500 , Dallas, TX, 75240	
PHONE NUMBER: 972 628-1540 Ext	
9. FIELD and POOL or WILDCAT: FLAT CANYON	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1626 FSL 0644 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 35 Township: 16.0S Range: 06.0E Meridian: S	
COUNTY: EMERY	
STATE: UTAH	

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

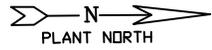
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 8/28/2015	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Site Security Diagram"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

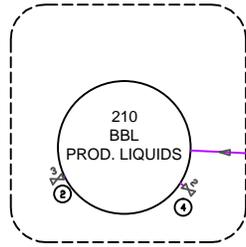
Please find the currant Site Security Diagram for the above referenced well for your records.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 September 02, 2015

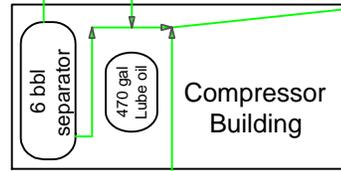
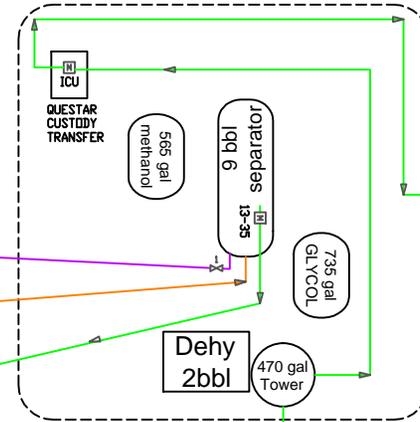
NAME (PLEASE PRINT) Katherine McClurkan	PHONE NUMBER 972 628-1660	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 8/28/2015	



NOT TO SCALE



API 43-015-30230
 Lat: 39.38429
 Long: -111.21783



FROM WELL 32-25 GATHERING LINE

TO QUESTAR SALES PIPELINE

DISCHARGE OF COMPRESSOR ALL WELLS
 (1, 2, 3, 5, 32-25, AND 13-35)

FROM WELLS 1, 2, 3, AND 5 GATHERING LINE

METER LEGEND

- GAS TO GATHERING LINE
- GAS TO QUESTAR/CUSTODY TRANSFER
- MASTER METER

LINE LEGEND

- SALES GAS
- WATER/OIL
- WELL FLOW TO SEPARATOR

VALVE LEGEND

- ① SEALED OPEN DURING ALL OPERATIONS
- ② SEALED CLOSED DURING ALL OPERATIONS
- ③ OPEN DURING PRODUCTION SEALED CLOSED DURING SALES
- ④ SEALED CLOSED DURING PRODUCTION OPEN DURING SALES

MERIT ENERGY COMPANY

EAST MOUNTAIN 13-35
 NW SW SEC. 35 T16S, R6E
 EMERY COUNTY, UTAH

Site Security
 Diagram

AS BUILT
 August 2015