

MERIDIAN OIL

October 9, 1987

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
41-5 Navajo-Federal
NENE Section 5-39S-25E
Federal Lease No. U-57895

Gentlemen:

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

An Exception request will be forthcoming from our Land Department in Englewood, Colorado in the near future.

Water appropriation will be Water User Claim No. 09-1499.

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

RECEIVED
OCT 10 1987

DIVISION OF
OIL, GAS & MINING

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 NENE (1210' FNL - 360' FEL)
 At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 6 miles east of Hatch Trading Post

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 360'

16. NO. OF ACRES IN LEASE 200.09

17. NO. OF ACRES ASSIGNED TO THIS WELL 40

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

19. PROPOSED DEPTH 5863' *skh*

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4782' GL (graded)

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

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4	9-5/8"	36#	3,300'	900 sx (two stages)
8-3/4	5-1/2"	15.5#	5,863'	Single stage. TOC @ 2000' Cal log + 15% excess.

Oil and Gas Order #1
 Attachments:

- Eight Point Drilling Program
- Thirteen Point Surface Use Plan
- Exhibit "1", "9a" and "9b"

CONFIDENTIAL INFORMATION

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 D.R. Harris TITLE Regional Drilling Engineer DATE 10/9/87

(This space for Federal or State office use)

PERMIT NO. 43-037-31358

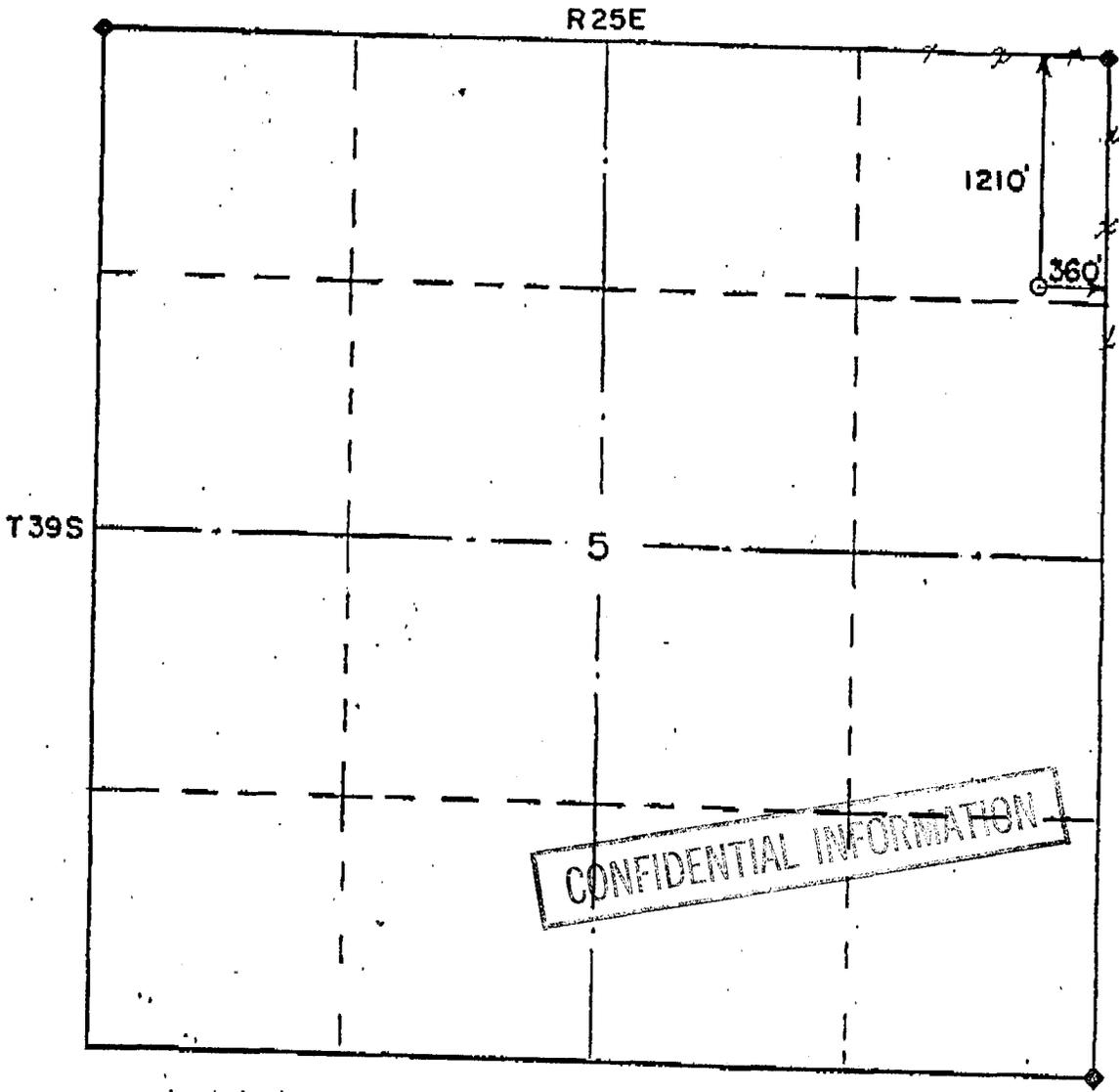
APPROVED BY THE STATE
 OF UTAH DIVISION OF
 OIL, GAS, AND MINING

APPROVAL DATE DATE 10-22-87
 BY John R. Dyer
 WELL SPACING: 1615-3-3

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

*See Instructions On Reverse Side

WELL LOCATION AND ACREAGE DEDICATION PLAT



WELL LOCATION DESCRIPTION:
 Meridian Oil Navajo Federal #41-5
 1210' FNL & 360' FBL
 Section 5, T.39 S., R.25 E., SLM
 San Juan County, Utah
 4783' ground elevation
 Alternate: 850' FS & 850' FE, 4773' grd. elev.

The above plat is true and correct to my knowledge and belief.

6 October 1987

REGISTERED LAND SURVEYOR
 No. 8709
 GERALD G. HUDDLESTON
 Gerald G. Huddleston, LS
 STATE OF UTAH

MERIDIAN OIL

October 14, 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, Utah 84108-1203

RE: Request for Exception
#41-5 Navajo Federal
Location: NW/4NE/4
Sec. 5, T39S-R25E, SLM

Gentlemen:

Meridian Oil Inc. plans to commence a well at the following location:

1210' FNL, 360' FEL, Section 5, T39S-R25E, SLM
San Juan County, Utah

This well will be drilled to a depth sufficient to test the Desert Creek Formation. As indicated on the plat attached hereto as Exhibit "A", Meridian has established the Kiva Waterflood Unit for the Ismay Formation. Since the Ismay interval is unitized, an exception location is not required for the Ismay interval.

As to the Desert Creek Formation, however, this location requires approval of an exception location under Rule 302.1 of the Oil and Gas Conservation General Rules effective December 1, 1985. Under the Rules, this exception may be granted administratively. Please note that Meridian owns 100% leasehold working interest in the proposed drillsite and within a 460' radius thereof. Therefore, a notice to other parties is not required.

The reason for the requested exception location is geological. As shown on Exhibit "A" to the attached affidavit, it is not possible to drill the optimum location on the geological feature by drilling a legal location. Therefore, Meridian Oil proposes to move the surface location as close as possible to the geological structure in order to derive the optimum bottom hole location.

**APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING**
DATE: 10-19-87
BY: John R. Depp

DIVISION OF OIL, GAS AND MINING
October 14, 1987
Page 2

Exhibit "A" to the attached affidavit also depicts the boundaries of the Kiva Field Ismay Unit and leasehold information. This information is proprietary and very sensitive and therefore, it is requested that the State maintain this plat in a confidential file.

Thank you or your consideration in this matter.

Very truly yours,

MERIDIAN OIL INC.



William C. Mitchell
Landman

Doc. 798
Attachments

AFFIDAVIT

STATE OF COLORADO)
) ss.
COUNTY OF ARAPAHOE)

TO WIT:

Now, this 14th day of October, 1987, comes the affiant herein, WILLIAM C. MITCHELL, being of lawful age and the first duly sworn, and does not depose and say:

THAT he is employed as a Landman with Meridian Oil Inc., and in said capacity is acquainted with the facts and allegations herein, and

THAT the plat attached hereto and made a part hereof as "Exhibit A" is accurate to scale and reflects pertinent data required pursuant to Oil & Gas Conservation Rule No. 302.1,

THAT Meridian Oil Inc. owns 100% of the drilling rights in the proposed 41-5 Navajo Federal drillsite and within a 460 foot radius thereof. The proposed 41-5 Navajo Federal drillsite is located 1210 feet from the north line and 360 feet from the east line of Section 5, Township 39 South, Range 25 East, San Juan County, Utah.

THAT no other parties are required to be notified in accordance with Rule Number 302.1(a)(2) of the General Conservation Rules of the Utah Board of Oil, Gas and Mining.

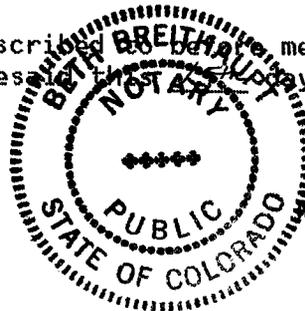
Further affiant sayeth not.

William C. Mitchell
William C. Mitchell

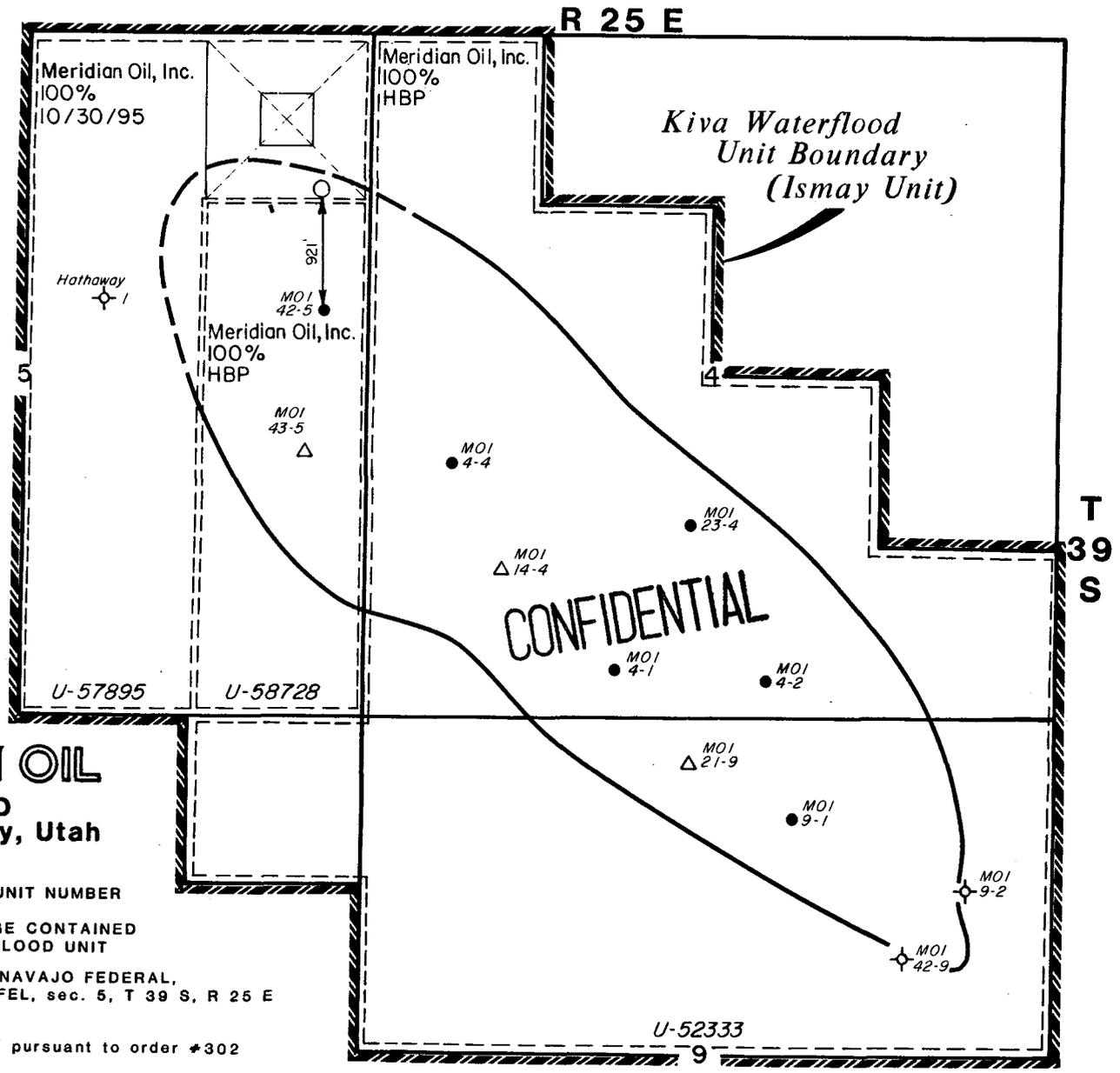
* * * * *

Taken, sworn and subscribed by me, a Notary Public in and for the County and State aforesaid, this 14th day of October, 1987.

My commission expires:
9-9-88



Beth Breithaupt
Notary Public



MERIDIAN OIL
KIVA FIELD
San Juan County, Utah

- U-XXXXX FEDERAL LEASE UNIT NUMBER
- FEDERAL ACREAGE CONTAINED
IN KIVA WATERFLOOD UNIT
- PROPOSED 41-5 NAVAJO FEDERAL,
1210' FNL, 360' FEL, sec. 5, T 39 S, R 25 E
- ◻ 400 ft. "WINDOW" pursuant to order #302

1675N

OIL AND GAS ORDER NO. 1

MERIDIAN OIL INC.

LEASE NAME: 41-5 Navajo-Federal
LEASE NO. U-57895
LOCATION: NENE Section 5-39S-25E
1210' FNL - 360' FEL
San Juan County, Utah
Kiva Field

A. EIGHT POINT DRILLING PROGRAM

1. & 2. Estimated Tops:

Morrison	Surface	
Entrada	587	
Navajo	777	fresh water
Chinle	1492	
Shinarump	2372	
Cutler	2557	
Hermosa	4432	
Upper Ismay	5412	oil
Top Porosity	5522	
Hovenweep	5572	
Lower Ismay	5599	
Desert Creek	5679	
Chimney Rock	5746	
Akah	5775	
TD	5863	

CONFIDENTIAL INFORMATION

3. Pressure Control Equipment:

- a. A 3000 psi WP wellhead will be installed on the surface casing. A 3000 psi WP Annular preventer and 3000 psi WP double gate preventer equipped with blind and pipe rams will be nipped up on wellhead.
- b. BOP systems will be consistent with API RP 53. Annular preventer will be tested to 1500 psi against casing. Pipe and blind rams, choke line and manifold will be tested to 1500 psi against casing. Casing will be tested to 1500 psi prior to drilling float shoe. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

4. Casing program:

Anticipated cement tops will be reported as to depth, not the expected number of sacks.

O&G Order No. 1
 41-5 Navajo-Federal
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<u>Hole Size</u>	<u>Size</u>	<u>Depth</u>	<u>Casing</u>			<u>Cond</u>	<u>Cementing Program</u>
			<u>Weight</u>	<u>Grade</u>	<u>Thrd</u>		
12-1/4	9-5/8	3,300'	36#	K-55	ST&C	New	Two Stage w/900 sxs. Single stage. TOC @ 2000'. Caliper log + 15% excess. 230 sxs 65-35 Pozmix +6% gel +1/4 lb/sx cellophane flakes. 130 sxs +1.0% D60 flac +1/4 lb/sx cellophane flakes.
8-3/4	5-1/2	5,863'	15.5#	K-55	LT&C	New	

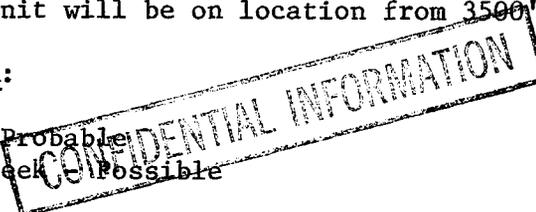
5. Proposed drilling mud program:

A water base mud system from surface to TD. Maximum anticipated mud weight is 9.3#/gallon.

A mud logging unit will be on location from 3500' to TD.

6. Testing program:

Upper Ismay - Probable
 Lower Desert Creek - Possible



Logging program:

GR/DLL/MSFL	Base surface casing to TD (GR to surface)
GR/LDT/CNL	Base surface casing to TD (CNL minimum op charge)
GR/BHC Sonic	Base surface casing to TD (GR to surface)
Strat Dipmeter	Minimum op charge.

Coring program:

None anticipated.

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. If requested, samples (cuttings, fluids, and/or gases) will be submitted to the District Manager.

7. Anticipated abnormal BHP or BHT:

No abnormal BHP or BHT are expected in this well.

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 Juan Resource Area at 801-587-2141, 48 hours before beginning any dirt work.

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 San Juan Area Manager, a minimum of 24 hours before spudding. A Sundry Notice (Form 3160-5) will be sent within 24 hours after spudding, reporting the spud date and time. The Sundry will be sent to the District Manager. If the spudding is on a weekend or holiday, the Sundry 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 sent to 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. All conditions of this approved plan are applicable during all operations conducted with the replacement rig. In emergencies, verbal approval can be given by the District Petroleum Engineer.

If the well is successfully completed for production, then 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.

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 San Juan Area Manager, or the appropriate surface manager.

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 following information will be permanently beaded-on with a welding torch: Fed, well number, location by 1/4 1/4 section, township and range, Lease number.

A first production conference will be scheduled within 15 days after receipt of the first production notice. The San Juan Area Manager will schedule the conference.

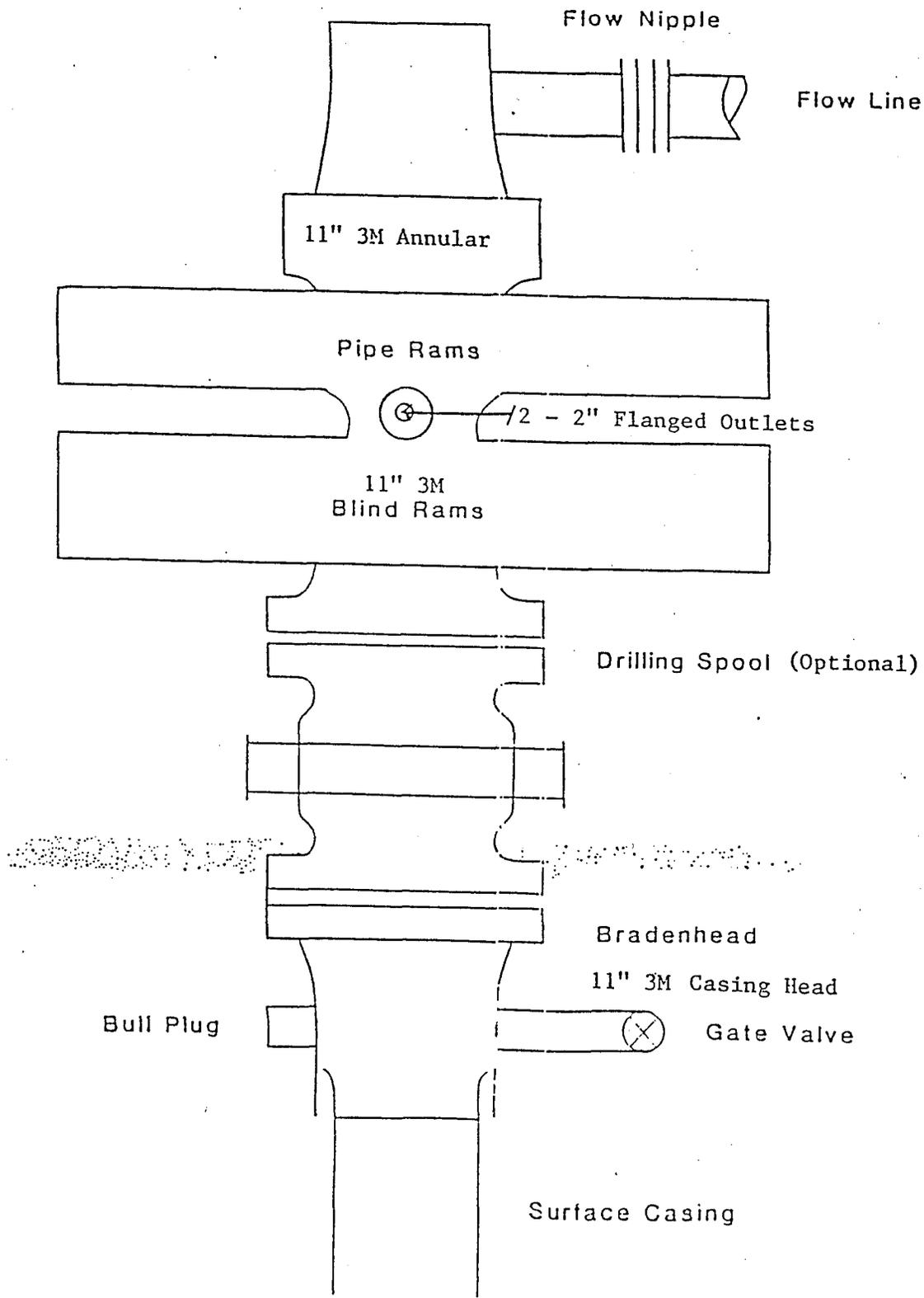
Other: A separate rig will be used for completion operations.

The following may be inspected and/or witnessed:

1. The cementing and testing of surface casing, testing BOP's.
2. (Dry Hole) Setting and testing of surface casing shoe plug.
3. (Depleted Producer) The setting and testing of plugs across lproducing horizon and if applicable the surface casing shoe plug and/or annulus (casing to formation) squeeze jobs.

Notify the San Juan Resource area (Mike Wade) one day or on dry hole as soon as possible prior to the above at (801) 587-2141 (Home) (801) 587-2026 or if unable to reach Mike, call Moab District office Steve Jones at (801) 259-6111.

TYPICAL B.O.P. INSTALLATION



Series 900 Double Gate B.O.P.,
rated at 1500 psi Working Pressure.

When gas drilling operations begin a Shaffer type 50 or equivalent rotating head is installed on top of the flow nipple and the flow line is converted into a blowie line.

B. THIRTEEN POINT SURFACE USE PLAN

1. Existing Roads (Yellow)

- a. Location of proposed well in relation to town or other reference point:
6 miles East of Hatch Trading Post.
- b. Proposed route to location. (See attached Exhibit "1").
- c. Existing and new access shall be maintained in good or better condition.
- d. An encroachment permit will be obtained from the San Juan County Road Department.

2. Planned Access Roads (Blue)

- a. Turnouts will be constructed as needed.
- b. Road is centerline flagged.
- c. Road will be drained as needed.
- d. If access is utilized during wet winter weather, road surfacing may be required to prevent road maintenance problems.
- e. Follow existing road to 42-5.

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

The access road will be water barred or brought to Class III Road Standards within 60 days of dismantling of the drill rig. If this time frame cannot be met, the San Juan Area Manager will be notified so that temporary drainage control can be installed along the access road.

The Class III Road Standards which ensure drainage control over the entire road through the use of natural, rolling topography; ditch turnouts; drainage dips; outsloping; crowning; low water crossing; and culverts will be determined at the appropriate field inspection.

3. Location of Existing Wells (1 mile radius)

- a. Existing wells in the area are shown on attached Exhibit "1".

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

Production flowlines will be laid to the 42-5 well than laid along the right-of-way to the Kiva Gas Plant located in Section 4.

All permanent (on site for 6 months or longer) above ground facilities (including pump jacks) will be painted a flat, nonreflective, earthtone color to match the standard environmental colors, as determined by the Rocky Mountain 5-State Interagency Committee. All facilities will be painted within 6 months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The color will be Dunes Tan with Brown trim.

All flowlines will be buried parallel of access road unless authorized otherwise by BLM.

If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 1-1/2 times the storage capacity of the largest tank 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 product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.

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

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. 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 San Juan 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 San Juan Area Manager. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

5. Location and Type of Water Supply

All water needed for drilling purposes will be hauled by Hay Hot Oil Service, a commercial water hauler, from a private 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.

7. Methods for Handling Waste Disposal

The reserve pit will not be lined with commercial bentonite sufficient to prevent seepage. At lease half of the capacity will be in cut.

Three sides of the reserve pit will be fenced with four 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.

A trash pit will be constructed near the mud tanks and dug at least six feet into solid undisturbed material. It will be totally enclosed with a fine wire mesh before the rig moves in. The road and pad will be kept litter free.

A burning permit is required for burning trash between May 1 and October 31. This can be acquired by contacting the San Juan County Sheriff at (801) 587-2237.

Produced waste water will be confined to a (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 for the District Manager's approval pursuant to Onshore Oil and Gas Order No. 3 (NTL-2B).

8. Ancillary Facilities

Camp facilities will not be required.

9. Well Site Layout

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

Cuts and fills are shown on attached Exhibit "9b".

The reserve pit will be located on North side of location.

The top 6 inches of soil material will be removed from the location. Trees and brush will stockpiled on the West side of location. Topsoil along the access will be reserved in place.

Access to the well pad will be from the East.

10. Reclamation:

- a. Immediately on completion of drilling, all trash and debris will be collected from the location and surrounding area. All trash and debris will be disposed of in the trash pit and will then be compacted and buried under a minimum of two feet of compacted soil.
- b. The operator/holder or his contractor will contact the San Juan Resource Area office in Monticello, Utah, (801) 587-2141, 48 hours before starting reclamation work that involves earthmoving equipment and upon completion of restoration measures.
- c. Before any dirt work to restore the location takes place, the reserve pit must be completely dry.
- d. All disturbed areas will be recontoured to blend as nearly as possible with the natural topography. This includes removing all berms and refilling all cuts.
- e. The stockpiled topsoil will be spread evenly over the disturbed area. All disturbed areas will be ripped 12 inches deep with the contour.
- f. Water bars will be built as follows to control erosion.

<u>Grade</u>	<u>Spacing</u>
2%	Every 200 feet
2-4%	Every 100 feet
4-5%	Every 75 feet
5+%	Every 50 feet

- g. Seed will be broadcast between October 1 and February 28 with the following prescription. A harrow or similar implement will be dragged over the area to assure seed cover.

3 lbs/acre crested wheatgrass (Agropyron desertorum)
3 lbs/acre Fourwing saltbush (Atriplex canenscens)
1/2 lbs/acre Yellow sweetclover.

- h. After seeding is complete, the stockpiled trees will be scattered evenly over the disturbed areas. The access will be blocked to prevent vehicular access.

i. The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed as described in the reclamation section. Enough topsoil will be kept to reclaim the remainder of the location at a future date. This remaining stockpile of topsoil will be seeded in place using the prescribed seed mixture.

11. Surface Ownership: Federal
Mineral Ownership: Federal

12. Other Information

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

"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.

If subsurface cultural materials are exposed during construction, work in that spot will stop immediately and the San Juan Resource Area Office will be contacted. All people who are in the area will be informed by the operator/holder that they are subject to prosecution for disturbing archaeological sites or picking up artifacts. Salvage or excavation of identified archaeological sites will be done by a BLM approved archaeologist only if damage occurs.

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: Steve Jones
Office Phone: 801-259-6111 Address: P. O. Box 970, Moab, UT 84532

Resource Area Manager's Address and contacts:
Address: P. O. Box 7, Monticello, UT 84535

Your contact is: Richard McClure
Office Phone: 801-587-2141

O&G Order No. 1
41-5 Navajo-Federal
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13. Lessee or Operator's Field Representative and Certification

Meridian Oil Inc.

P. O. Box 1855

Billings, Montana 59103

1. Johnny L. Wright, Drilling Supt.	406-256-4175	406-252-2889
2. Steve Cruickshank, Drilling Eng.	406-256-4164	406-252-0701
3. Douglas R. Harris, Reg. Drilling Eng.	406-256-4025	406-652-2381
4. John Pulley, Completion 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.



Douglas R. Harris
Regional Drilling Engineer

10/9/87
Date

/ssn

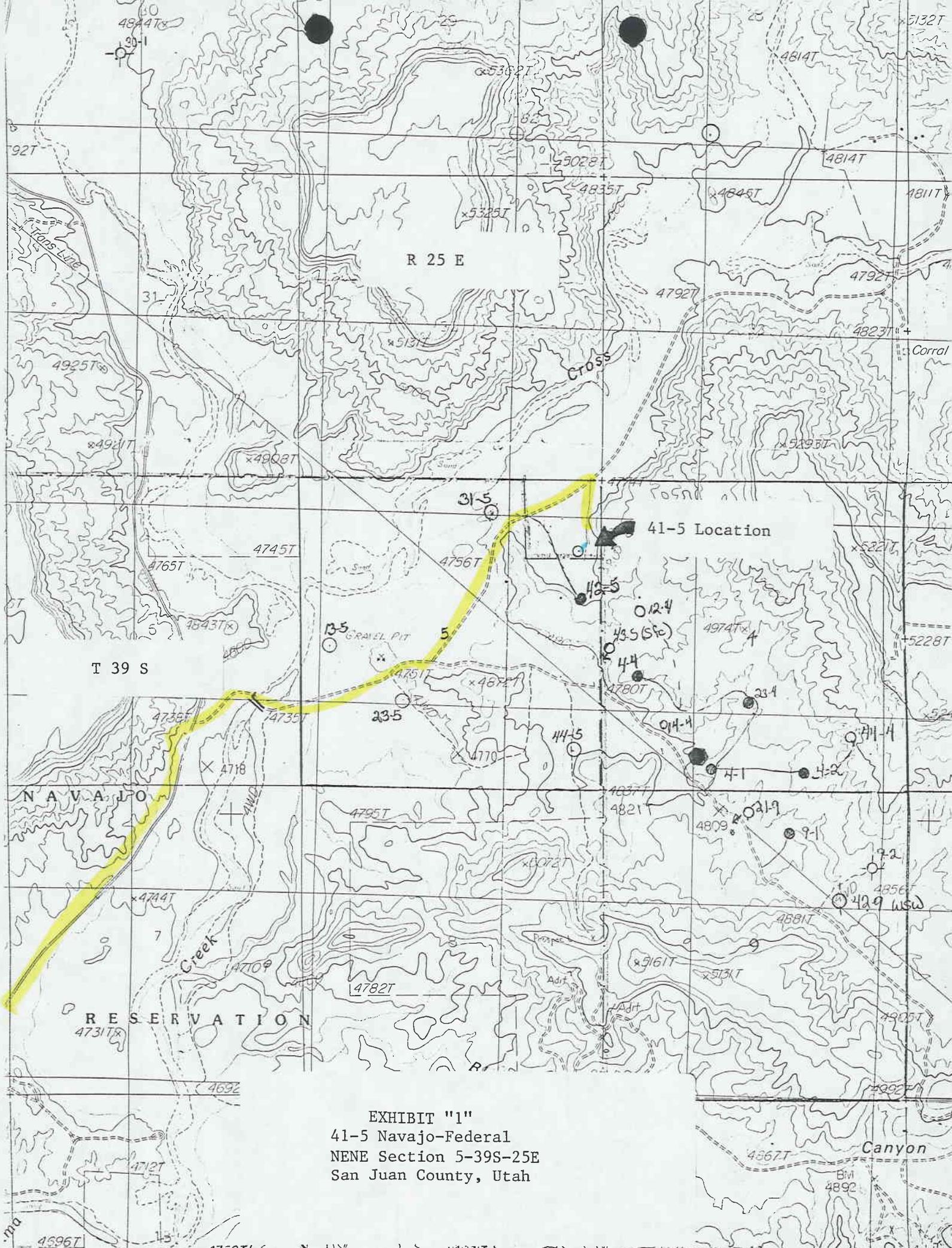


EXHIBIT "1"
 41-5 Navajo-Federal
 NENE Section 5-39S-25E
 San Juan County, Utah

WELL PAD PLAN VIEW

Well 41-5 Navajo Federal

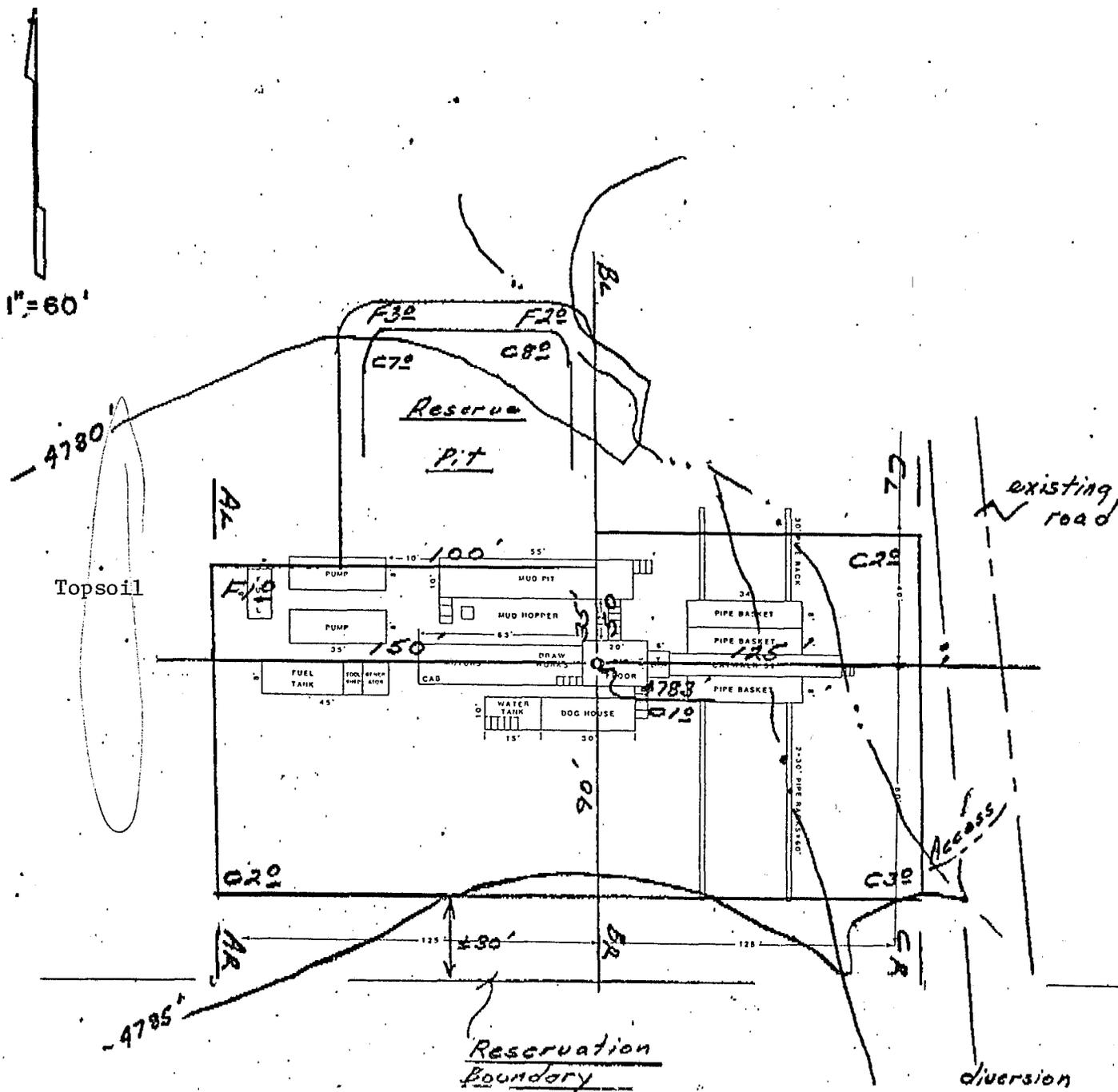


EXHIBIT "9a"
Rig Layout

Cut 
Fill 

Scales: 1" = 60' H.
1" = 30' V.

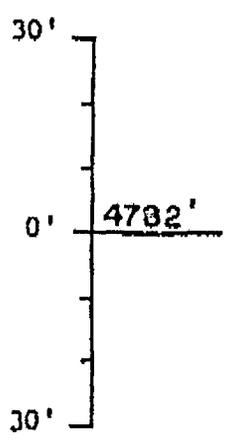
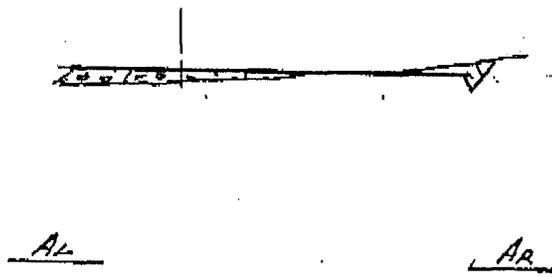
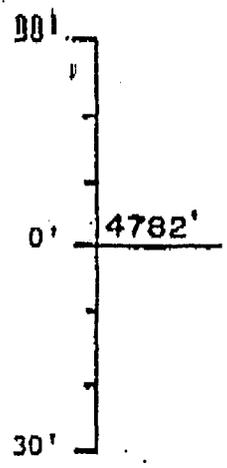
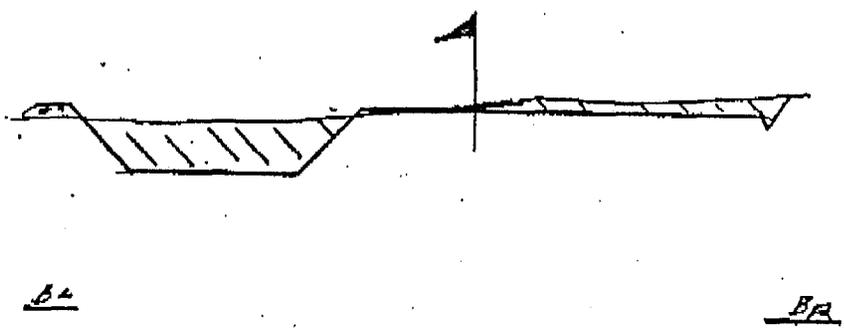
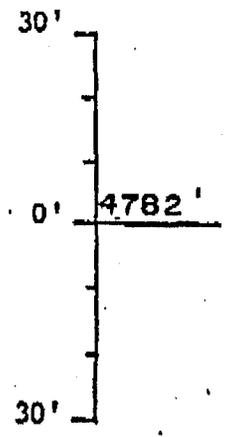
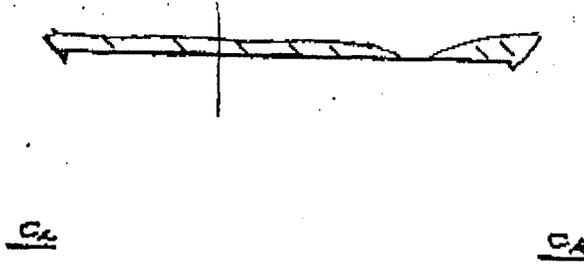


EXHIBIT "9b"
Cross-Sections

CONFIDENTIAL

CONFIDENTIAL
PERIOD
EXPIRED

102601

OPERATOR Meridian Oil, Inc. ON 3-20-89 DATE 10-20-87

WELL NAME Narajo Federal 41-5

SEC WENE 5 T 395 R 25E COUNTY San Juan

43-037-31358
API NUMBER

Lease
TYPE OF LEASE

CHECK OFF:

PLAT

BOND

NEAREST WELL

LEASE

FIELD

POTASH OR OIL SHALE

PROCESSING COMMENTS:

No other well within 920' (not in Kiva Unit - Ismay Formation)
Water permits #09-1499
Exception requested

APPROVAL LETTER:

SPACING: R615-2-3 _____ UNIT

R615-3-2

_____ CAUSE NO. & DATE

R615-3-3

STIPULATIONS:

1. The operator may not complete the well for production or injection in the Ismay formation unless approval is obtained from this office and the appropriate federal agency.



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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

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

October 22, 1987

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

Gentlemen:

Re: Navajo Federal 41-5 - NE NE Sec. 5, T. 39S, R. 25E
1210' FNL, 360' FEL - San Juan 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. The operator may not complete the well for production or injection in the Ismay formation unless approval is obtained from this office and the appropriate federal agency.

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. Submittal 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.
5. Compliance with the requirements of Rule R615-3-22, Gas Flaring or Venting, Oil and Gas Conservation General Rules.

Page 2
Meridian Oil Incorporated
Navajo Federal 41-5
October 22, 1987

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) 538-6121.
7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31358.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

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

DIVISION OF
OIL, GAS & MINING

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

At surface

NENE (1210' FNL - 360' FEL)

At proposed prod. zone

Same

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

6 miles east of Hatch Trading Post

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)

360'

16. NO. OF ACRES IN LEASE

200.09

17. NO. OF ACRES ASSIGNED TO THIS WELL

40

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

-

19. PROPOSED DEPTH

5863'

20. ROTARY OR CABLE TOOLS

Rotary

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

4782' GL (graded)

22. APPROX. DATE WORK WILL START*

November 1, 1987

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4	9-5/8"	36#	3,300'	900 sx (two stages)
8-3/4	5-1/2"	15.5#	5,863'	Single stage. TOC @ 2000' Cal log + 15% excess.

Oil and Gas Order #1

Attachments:

Eight Point Drilling Program
Thirteen Point Surface Use Plan
Exhibit "1", "9a" and "9b"

CONFIDENTIAL

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

24.

SIGNED

D.R. Harris

TITLE Regional Drilling Engineer

DATE 10/9/87

(This space for Federal or State office use)

PERMIT NO.

43-037-31358

APPROVAL DATE

APPROVED BY

/s/ Kenneth V. Rhea

TITLE

Assistant District Manager

DATE OCT 27 1987

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED

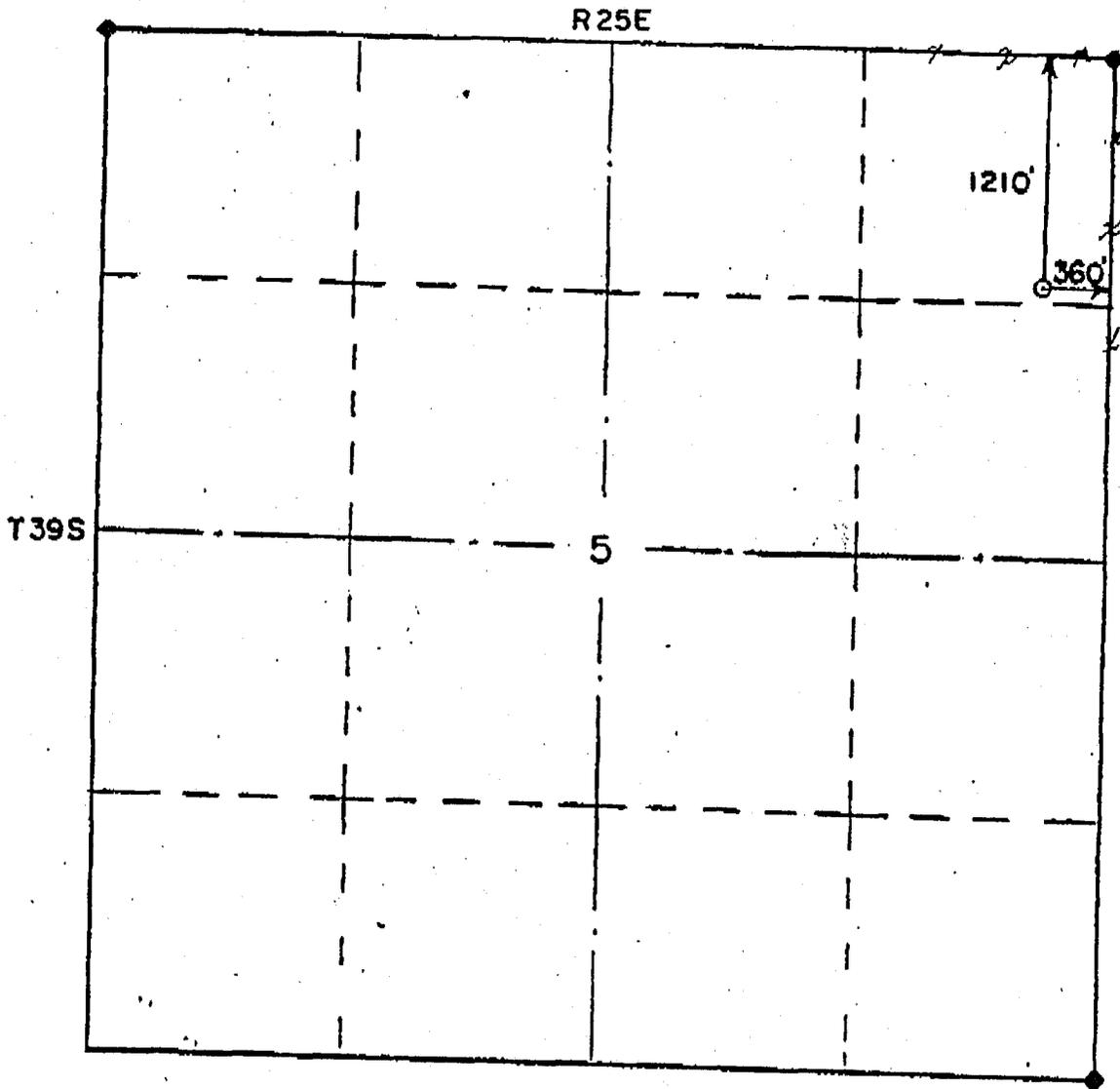
FLARING OR VENTING OF GAS IS SUBJECT OF NTL 4-A DATED 1/1/80

STATE OF UTAH-DOG-M

*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

WELL LOCATION AND ACREAGE DEDICATION PLAT



WELL LOCATION DESCRIPTION:

Meridian Oil Navajo Federal #41-5

1210' FNL & 360' FEL

Section 5, T.39 S., R.25 E., SLM

San Juan County, Utah

4783' ground elevation

Alternate: 850' FS & 850' FE, 4773' grd. elev.

RECEIVED
OCT 30 1987

DIVISION OF
OIL, GAS & MINING

The above plat is true and correct to my knowledge and belief.

6 October 1987

REGISTERED LAND SURVEYOR
 No. 8709
 GERALD G. HUDDLESTON
 Gerald G. Huddleston, LS
 STATE OF UTAH

Meridian Oil Inc.
Well No. Navjo-Federal 41-5
Sec. 5, T. 39 S., R. 25 E.
San Juan County, Utah
Lease U-57895

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.

RECEIVED
OCT 30 1987

DIVISION OF
OIL, GAS & MINING

NOTIFICATIONS

Notify the San Juan Resource Area, at (801) 587-2141 for the following:

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

1 day prior to spudding;

1 day prior to running and cementing surface casing;

1 day prior to pressure testing of BOPE and/or surface casing.

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

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

Steven 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

24 hours advance notice is required for all abandonments.

RECEIVED
OCT 30 1987

DIVISION OF
OIL, GAS & MINING

112409

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPOUDDING INFORMATION

Dr.
API #43-037-31358

NAME OF COMPANY: MERIDIAN OIL INC.

WELL NAME: Navjo 41-5

SECTION NE NE 5 TOWNSHIP 39S RANGE 25E COUNTY San Juan

DRILLING CONTRACTOR Aztec

RIG # _____

SPOUDED: DATE 11-17-87

TIME _____

How _____

DRILLING WILL COMMENCE _____

REPORTED BY Keith

TELEPHONE # _____

DATE 11-17-87 SIGNED JRB

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*
(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 or Federal statute.
See also space 17 below.)
At surface
NENE (1210' FNL - 360' FEL)

14. PERMIT NO.
43-037-31358

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
4794' KB

RECEIVED
NOV 23 1987

DIVISION OF
OIL, GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.
U-57895

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A 120153

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
Navajo-Federal

9. WELL NO.
41-5

10. FIELD AND POOL, OR WILDCAT
Kiva

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 5-39S-25E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Spud Report

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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

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

Aztec, Rig #124, spudded well @ 5:30 PM 11-17-87. Ran 2 jts 13-3/8" 61# casing, cement w/90 sx "B".

CONFIDENTIAL INFORMATION

18. I hereby certify that the foregoing is true and correct
SIGNED Suzanne D. Nelson TITLE Sr. Operations Technician DATE 11/18/87
(This space for Federal or State office use)

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

*See Instructions on Reverse Side



ROCKY MOUNTAIN GEO-ENGINEERING CO.

WELL SITE GEOLOGY — MUD LOGGING

2450 INDUSTRIAL BLVD.

PHONE 243-3044

GRAND JUNCTION, COLORADO 81505

December 2, 1987

Mr. Art Moore
Meridian Oil Inc.
5613 DTC Parkway
Englewood, Colorado 80111

Dear Art,

Enclosed is the final log on your well "41-5 Navajo Federal",
located in Section 5, T39S, R25E of San Juan County, Utah.

We appreciated the opportunity to serve you. If we can be of any
further assistance in the final evaluation of zones encountered
please feel free to call on us.

We are looking forward to working with you again in the near future.

Sincerely,


Andy Kelley
President

AK/sm

Encls. 4 Final Logs
XXC: 2 Final Logs Meridian Oil Inc., Billings, MT

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 <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-57895 <i>Dr.</i>	
2. NAME OF OPERATOR MERIDIAN OIL INC.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
3. ADDRESS OF OPERATOR P. O. Box 1855, Billings, MT 59103		7. UNIT AGREEMENT NAME N/A	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface NENE (1210' FNL - 360' FEL)		8. FARM OR LEASE NAME Navajo-Federal	
14. PERMIT NO. 43-037-31358		9. WELL NO. 41-5	
15. ELEVATIONS (Show whether DR, RT, CR, etc.) 4974' KB		10. FIELD AND POOL, OR WILDCAT Kiva	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 5-39S-25E	
		12. COUNTY OR PARISH San Juan	13. STATE Utah

RECEIVED
DEC 23 1987
DIVISION OF
OIL, GAS & MINING

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	
(Other) Lay 3" Gas Sales Line <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. requests permission to lay a 3" diameter gas sales line from the 41-5 location to tie into Koch's gas line from the 42-5 Navajo-Federal. See diagram attached.

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

*Approval
not necessary.*
- JRB

I hereby certify that the foregoing is true and correct

SIGNED William J. Bauer TITLE Product DATE 12/18/87

(This space for Federal or State office use)

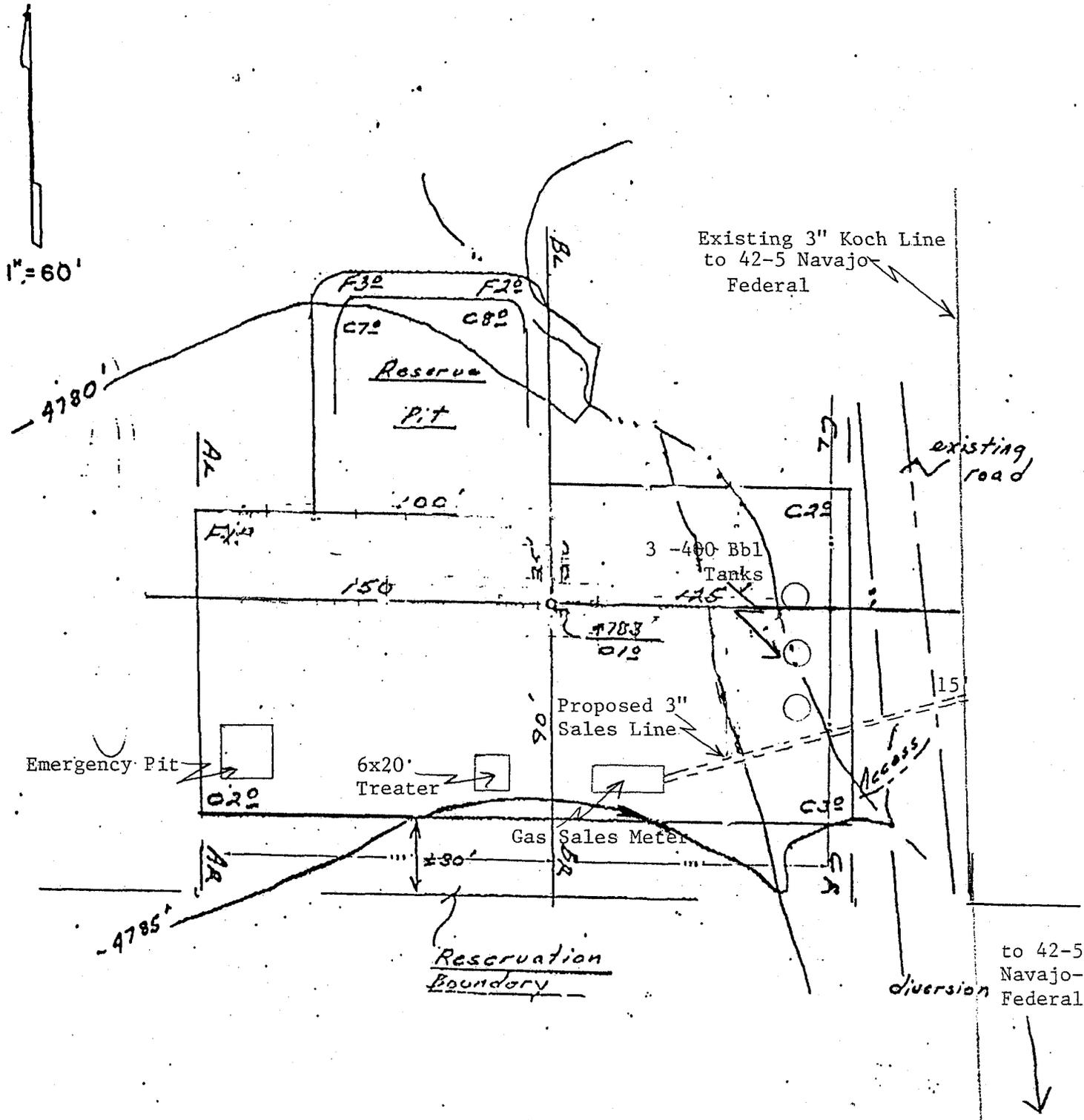
APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

WELL PAD PLAN VIEW

Well 41-5 Navajo Federal





ROCKY MOUNTAIN GEO-ENGINEERING CO.

WELL LOGGING — CORE AND WATER ANALYSIS

2450 INDUSTRIAL BLVD.

PHONE 243-3044

GRAND JUNCTION, COLORADO 81501

COMPANY Meridian Oil Inc.

WELL NO. NAVAJO FEDERAL 41-5

LOCATION Section 5, T39S, R25E

ZONE OF INTEREST NO. _____

INTERVAL: From 5677' To 5696'

DRILL RATE: Abv 3 Thru 1½ Below 3

MUD GAS-CHROMATOGRAPH DATA

	TOTAL	C ₁	C ₂	C ₃	C ₄	C ₅	OTHER
Before	40 - 50	114	228	122	52		
During	6789	184,800	21,750	23,650	13,650		
After	1116	10,240	7,200	7,280	2,625		

Type gas increase: Gradual Sharp

Gas variation within zone: Steady Erratic Increasing Decreasing

CARBIDE HOLE RATIO: $\frac{\text{GRAMS}}{\text{READING}}$ X Min. in Peak = _____ Sensitivity: Poor Fair Good

FLUO: Mineral Even Spotty CUT: None Streaming rare cut
 None % in total sample 6% Poor Slow
 Poor Fair Mod
 Fair % in show lithology ∅ Good Fast
 Good COLOR: Blue to yellow COLOR: yellow

STAIN: None Poor Fair Good Live Dead Residue Even Spotty Lt. Dk.

POROSITY: Poor Fair Good Kind Intgran p-p vug

LITHOLOGY 80% Dolomite - wh lt-mbrn fxln to microxln p-p vug ∅ dd ostn tr bribl

20% LS gy tt-tan crpxln dns tt tr frac ∅ hd SAMPLE QUALITY Fair

NOTIFIED Art Moore @ 2:00 P.M. HRS. DATE: 11-29-87

REMARKS Fluorescence washes out of sample due to condensate. Gas cut mud to surface - well kicking

ZONE DESCRIBED BY Lynn Fechter

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

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

2. NAME OF OPERATOR
MERIDIAN OIL INC.

3. ADDRESS OF OPERATOR
P.O. Box 1855, Billings, MT 591

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
 At surface NENE (1210' FNL - 360' FEL)
 At top prod. interval reported below Same
 At total depth Same

RECEIVED
FEB 08 1988
DIVISION OF
OIL, GAS & MINING

14. PERMIT NO. 43-037-31358
 15. DATE SPUNDED 11-17-87
 16. DATE T.D. REACHED 11-28-87
 17. DATE COMPL. (Ready to prod) 12-22-87
 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 4782' GL
 19. ELEV. CASINGHEAD 4796.5'

5. LEASE DESIGNATION AND SERIAL NO. U-57895 Dr.
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A 021211
 7. UNIT AGREEMENT NAME N/A
 8. FARM OR LEASE NAME Navajo-Federal
 9. WELL NO. 41-5
 10. FIELD AND POOL, OR WILDCAT Kiva
 11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA Section 5-39S-25E
 12. COUNTY OR PARISH San Juan
 13. STATE Utah

20. TOTAL DEPTH, MD & TVD 5780
 21. PLUG, BACK T.D., MD & TVD 5725
 22. IF MULTIPLE COMPL., HOW MANY*
 23. INTERVALS DRILLED BY ROTARY TOOLS X
 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 5678' - 5698' Desert Creek
 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN CDL/CNL/GR, BCS/GR Dipmeter/GR DLL/MSFL/GR CBL/VDL/GR/CCL *mul*
 27. WAS WELL CORED No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8	36#	3315'	12-1/4	1220 sx "B"	None
5-1/2	15.50#	5774'	8-3/4	664 sx "B"	None

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	5657'	5607'

31. PERFORATION RECORD (Interval, size and number) 5678' - 5698' 4" gun, 4 jspf

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5678'-5698'	2000 gal 28% Hcl

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
12-22-87	Flowing	Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
12-22-87	24	16/64"	→	41	117	0	2854

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
122	-	→	41	117	0	42.5

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

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 D. R. Harris TITLE Regional Drilling Engineer DATE 2-4-88

*(See Instructions and Spaces for Additional Data 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.

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, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Desert Creek	5681'	5780'	<p>DST Times: 15-60-120-240. No cushion. Reversed Recovery: 1325' HO & GCM. Sample Chamber: 200#, 1200 cc total volume, 450 cc oil, 750 cc G & OC, .68 cfb</p> <p>Pressures: HP 3028 FP 98 - 94 SIP 2972 - 2972</p>	Entrada Navajo Wingate Chinle Cutler Hermosa Upper Ismay Hovenweep Lower Ismay Gothic Desert Creek Chimney Rock Akah	564 755 1103 1469 2463 4412 5407 5545 5559 5610 5623 5715 5738	

38. GEOLOGIC MARKERS

MERIDIAN OIL

RECEIVED
FEB 16 1988

TRANSMITTAL LETTER
RECORD OF SHIPMENT OF CONFIDENTIAL INFORMATION

DIVISION OF
OIL, GAS & MINING

TO: Utah Dept. of Natural Resources
Division of Oil, Gas and Mining
355 W. North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
Attn: Well Records

FROM: A. H. Moore
Name
Exploration Manager
Title
DATE: February 9, 1988
VIA: Mail

QUANTITY	DESCRIPTION
	41-5 Navajo Federal
1 ✓	Incline Computed Dipmeter Results
1 ✓	Compensated Density-Compensated Neutron Log
1 ✓	Dual Laterolog - MSFL
1 ✓	BHC Sonic Log
1 ✗	RMGE Final Well Report

* NOT ENCLOSED WITH LOGS

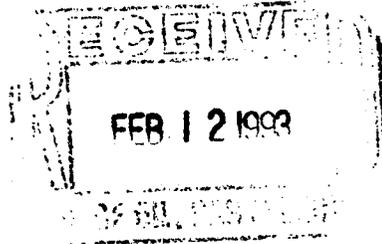
INSTRUCTIONS: Please acknowledge receipt promptly by signing and returning the copy.

RECEIVED BY: Vicky Carney DATE: 2-16-88

RECORD OF SHIPMENT OF CONFIDENTIAL INFORMATION

MERIDIAN OIL

February 9, 1993



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

Attention: Don Staley - Administrative Manager, Oil and Gas

Dear Mr. Staley:

Enclosed please find the Annual Status Report of Shut-in wells as follows:

Indian Creek Unit 14176 #2
Navajo Federal 43-5
Navajo Federal 41-5
Hatch Point Federal 27-1A

If you require any further information, please call me at (303) 930-9435.

Sincerely,

Genny Natvig
Operations Assistant

cc: Maralene Spawn

Enc.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS <small>(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)</small>		5. LEASE DESIGNATION & SERIAL NO. UTU57895
		6. IF INDIAN ALLOTTEE OR TRIBE NAME N/A
1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME N/A
2. NAME OF OPERATOR Meridian Oil Inc.		8. FARM OR LEASE NAME Navajo Federal
3. ADDRESS OF OPERATOR 5613 DTC Parkway, Englewood, CO 80111		9. WELL NO. 41-5
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface <p style="text-align: center;">NENE 1210' FNL & 360' FEL</p> At proposed prod. zone		10. FIELD AND POOL, OR WILDCAT -Kiva
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 05, T39S-R25E
14. API NO. 43-037-31358	15. ELEVATIONS (Show whether DF, RT, GR, etc.)	12. COUNTY San Juan
		13. STATE Utah

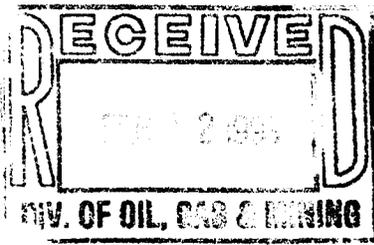
16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

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 ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Annual Status Report</u>	<input checked="" type="checkbox"/>
(Other) <input type="checkbox"/>		<small>(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</small>	
APPROX. DATE WORK WILL START _____		DATE OF COMPLETION _____	

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

* Must be accompanied by a cement verification report.

Annual Status Report
Well Shut-in 9/1/88 - Uneconomical



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

SIGNED Genevieve Natvig TITLE Operations Assistant DATE February 9, 1993

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: _____

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)
✓ ARABIAN FEDERAL #3 4303731287	10654	38S 24E 19	NE SW IS-DC ✓			456186	Kachina Unit	
✓ HAVASU FEDERAL 12-19 4303731457	10654	38S 24E 19	SW NW IS MY ✓			456186	Kachina Unit	
✓ HAVASU FEDERAL 12-19A 4303731459	10654	38S 24E 19	SW NW IS MY ✓			456186	Kachina Unit	
✓ NAVAJO FEDERAL 42-5 4303731261	10655	39S 25E 5	SE NE IS MY ✓			458728	Kiva (Upper Mesa) Unit	
✓ NAVAJO FEDERAL 41-5 4303731358	10810	39S 25E 5	NE NE DSCR ✓			457895	Kiva / Non P.A.	
✓ INDIAN CREEK 14176 #1 4301530091	10907	17S 06E 14	FRSD ✓			415202	E.mtn. II Unit	(9-16-94 Invalidated)
✓ NOCK-FEDERAL 21-33 4303731425	10923	38S 24E 33	IS MY ✓			440361	Bannock Unit	
TOTALS								

COMMENTS: _____

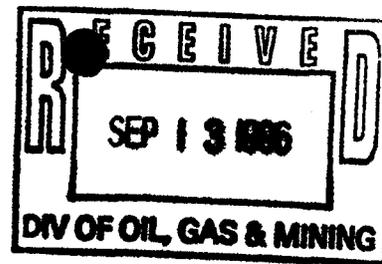
I hereby certify that this report is true and complete to the best of my knowledge.

Date: _____

Name and Signature: _____

Telephone Number: _____

MERIDIAN OIL



September 10, 1996

State of Utah
Division of Oil, Gas and Mining
355 ~~1594~~ 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,

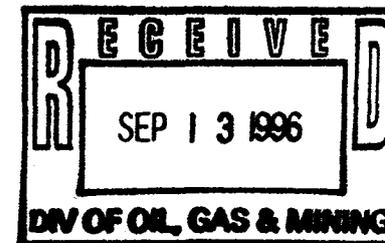
BURLINGTON RESOURCES OIL & GAS CO.

A handwritten signature in cursive script that reads "Eileen Danni Dey".

Eileen Danni Dey
Senior Regulatory Compliance Representative

Enclosure

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	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	43-037-3542100	UTU57895	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
MON MESA	HATCH POINT FEDERAL	27-1A	CANE CREEK	SAN JUAN	NESW	27	027S	021E	43-037-3051800	8910184250	02815

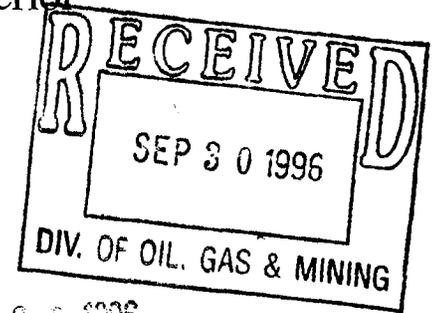




United States Department of the Interior

BUREAU OF LAND MANAGEMENT

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



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

SEP 28 1996

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)

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)	

OPERATOR CHANGE WORKSHEET

1-REC	6-1-1
2-GLD	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

- See 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)*
- See 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)*
- See 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. *(Eff. 1-29-82)*
- 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. *(i. WIC Program)*
- See 6. Cardex file has been updated for each well listed above. *(10-3-96)*
- See 7. Well file labels have been updated for each well listed above. *(10-3-96)*
- 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. *(10-3-96)*
- 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

- See 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 held by Trust Lands Admin.

- See 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 11/6/96

FILMING

- ✓ 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

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): 2 / 97

AMENDED REPORT (Highlight Changes)

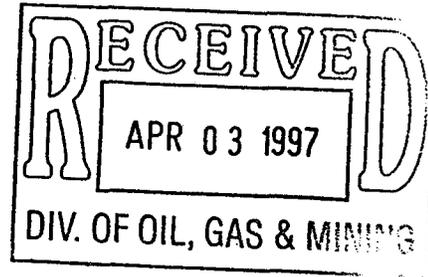
Well Name API Number Entity Location	Producing Zone	Well Status	Days Oper	Production Volumes		
				OIL(BBL)	GAS(MCF)	WATER(BBL)
HAVASU FEDERAL 12-19 4303731457 10654 38S 24E 19	ISMY			U-56186	Kechina Unit / Sec. Recovery	
HAVASU FEDERAL 12-19A 4303731459 10654 38S 24E 19	ISMY			U-56186	"	
NAVAJO FEDERAL 42-5 4303731261 10655 39S 25E 5	ISMY			U-58728		
NAVAJO FEDERAL 41-5 4303731358 10810 39S 25E 5	DSCR			U-57895		
INDIAN CREEK 14176 #1 4301530091 10907 17S 06E 14	FRSD			U-15202		
BANNOCK-FEDERAL 21-33 4303731425 10923 38S 24E 33	ISMY			U-40361		
4303731324 99990 38S 23E 13	SPMP / WSW			U-20894	* BLM aprv. 4-23-97.	
4303731282 10654 38S 24E 19	ISMY / W1W			U-56186	Kechina Unit / Sec. Recovery	
4303731458 10654 38S 24E 19	ISMY / W1W			U-56186	"	
4303731278 10654 38S 23E 24	ISMY / W1W			U-20895	"	
TOTALS						

REMARKS:

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

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.
UTU57895

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

8. Well Name and No.
NAVAJO FEDERAL 41-5

2. Name of Operator
BURLINGTON RESOURCES OIL & GAS COMPANY

9. API Well No.
43,037,3135800

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

10. Field and Pool, or Exploratory Area
KIVA, DESERT CREEK

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1210' FNL - 360' FEL, NENE
05 039S 025E, SLM

11. County or Parish, State
SAN JUAN, UT

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

TYPE OF SUBMISSION

TYPE OF ACTION

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 NAVAJO FEDERAL 41-5 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.

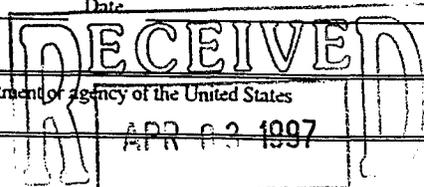
14. I hereby certify that the foregoing is true and correct.

Signed Kent Beers Title Attorney-in-Fact Date March 31, 1997

(This space for Federal or State office use)

Approved By _____ Title _____ 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.



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 008E	? ML-27626	GAS WELL	43,015,3023000	UT080P49-87U69	57287U6920	025 <i>U56933</i>
EMERY	EAST MOUNTAIN ,FERRON	EAST MOUNTAIN FEDERAL 32-23	23 016S 006E		GAS WELL	43,015,3023100	UT080P49-87U69	57287U6920	025 <i>U17624</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>U46361</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 11-18	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>U20895</i>
SAN JUAN	KACHINA ,ISMAY	HAVASU FEDERAL 42-24	24 038S 023E	UTU20895	WATER INJECTED	43,037,3129800		UTU20895	106 <i>U20895</i>

CHANGE OF OPERATOR STATE OF - UT

<u>COUNTY</u>	<u>FIELD NAME</u>	<u>WELL NAME</u>	<u>STR</u>	<u>LSE#</u>	<u>WELLTYPE</u>	<u>APIWELL</u>	<u>COMM NO.</u>	<u>FED CNTRL</u>	<u>ST CNTRL</u>
SAN JUAN	KIVA ,DESERT CREEK	NAVAJO FEDERAL 41-5	05 039S 025E	UTU57895	OIL WELL	43,037,3135800		UTU57895	108 <i>457895</i>
SAN JUAN	LION MESA ,CANE CREEK	HATCH POINT FEDERAL 27-1A	27 027S 021E	UTU20016	OIL WELL	43,037,3051800		UTU20016	028 <i>420016</i>

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.
UTU57895

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

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)

1210' FNL - 360' FEL, NENE
05 039S 025E, SLM

8. Well Name and No.

NAVAJO FEDERAL 41-5

9. API Well No.

43,037,3135800

10. Field and Pool, or Exploratory Area

KIVA, DESERT CREEK

11. County or Parish, State

SAN JUAN, UT

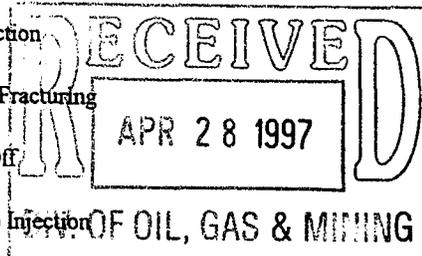
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

- Abandonment Change of Plans
 Recompletion New Construction
 Plugging Back Non-Routine Fracturing
 Casing Repair Water Shut-Off
 Altering Casing Conversion to Injection
 Other 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 NAVAJO FEDERAL 41-5 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 Brad D. Palmer Title Assistant Field Manager, Resource Management Date 3/23/97

Condition of Approval, If any:

CONDITIONS OF APPROVAL ATTACHED

Merit Energy Company
Well No. Navajo Federal 41-5
NENE Sec. 5, T. 39 S., R.25 E.
San Juan County, Utah

CONDITIONS OF APPROVAL

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

Be advised that Merit Energy Company is considered to be the operator of the above well and is responsible under the terms and conditions of the lease for the operations conducted on the leased land.

Bond coverage for this well is provided by BLM Bond WY3011 (Principle - Merit Energy Company) as provided for in 43 CFR 3104.2.

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

OPERATOR CHANGE WORKSHEET

Routing	
1-LEC ✓	6-ACE ✓
2-GLM ✓	7-KAS ✓
3-DPS ✓	8-SI ✓
4-VLD ✓	9-FILE ✓
5-JRB ✓	

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: ***KACHINA UNIT (SECONDARY RECOVERY)**

Name: **SEE ATTACHED**	API: <u>43-037-31358</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

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)*
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)*
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) yes If yes, show company file number: #20198545. *(# 3-13-97)*
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.
5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. *(4-30-97)*
6. **Cardex** file has been updated for each well listed above. *(5-30-97)*
7. **Well file labels** have been updated for each well listed above. *(5-30-97)*
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. *(4-30-97)*
9. A folder has been set up for the **Operator Change file**, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- 1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) If entity assignments were changed, attach copies of Form 6, Entity Action Form.
- 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.

BOND VERIFICATION - (FEE WELLS ONLY)

- 1. (r649-3-1) The NEW operator of any fee lease well listed above has furnished a proper bond.
- 2. A copy of this form has been placed in the new and former 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

- 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.
- 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

- 1. All attachments to this form have been microfilmed. Today's date: 6-20-97

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

970430 BLM / Aprv. 4-23-97.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER: <input type="checkbox"/>		5. Lease Designation and Serial Number: U-57895
2. Name of Operator: Merit Energy Company		6. If Indian, Allottee or Tribe Name: Navajo Tribe
3. Address and Telephone Number: 12222 Merit Drive, Suite 1500, Dallas, TX, 75251 972-701-8377		7. Unit Agreement Name:
4. Location of Well Footages: 1210' FNL & 360' FEL QQ, Sec., T., R., M.: NE NE Sec. 5-T39S-R25E		8. Well Name and Number: Navajo-Federal #41-5
		9. API Well Number: 43-037-31358
		10. Field and Pool, or Wildcat: Kiva - Desert Creek
		County: San Juan
		State: Utah

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

NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<input checked="" type="checkbox"/> Abandon <input type="checkbox"/> Repair Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Convert to Injection <input type="checkbox"/> Fracture Treat or Acidize <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Other _____ <input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recomplete <input type="checkbox"/> Reperforate <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> Abandon <input type="checkbox"/> Repair Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Convert to Injection <input type="checkbox"/> Fracture Treat or Acidize <input type="checkbox"/> Other _____ <input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Reperforate <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off
Approximate date work will start <u>within 1 month of BLM approval</u>	Date of work completion _____
	Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form. * Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Merit Energy Company proposes to plug and abandon the subject well as follows:

Set CIBP @ 5660' & spot 8 sx cement on top of plug.
Spot cement plug from 4800' - 4400' inside 5-1/2" casing.
Perforate 5-1/2" casing @ 150'. Set cement retainer @ 140'. Squeeze cement outside casing to surface. Sting out of retainer @ 140' & cement inside 5-1/2" casing to surface.
Cut off wellhead. Weld on capping plate. Set plug and abandon stake.

BLM Sundry Notice also attached.

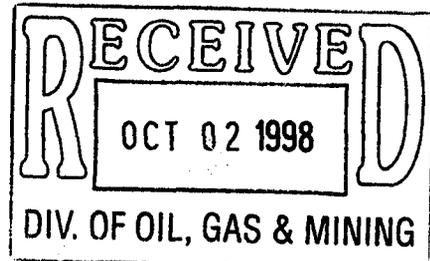
13. Name & Signature: Ariene Valliquette Title: Regulatory Manager Date: 9/29/98

(This space for State use only)

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

Federal Approval of this
Action is Necessary

(See Instructions on Reverse Side)



**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 reenter a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

U-57895

6. If Indian, Allottee or Tribe Name

Navajo Tribe

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

Navajo-Federal #41 - 5

9. API Well No.

43-037-3135800

10. Field and Pool, or Exploratory Area

Kiva - Desert Creek

11. County or Parish, State

San Juan, Utah

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Merit Energy Company

3. Address and Telephone No.

12222 Merit Dr., Suite 1500, Dallas, TX, 75251 (972) 701 - 8377

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

NE-NE, 1210' FNL, 360' FEL, Section 5, T-39-S, R-25-E

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input checked="" 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 type="checkbox"/> Other _____
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

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

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

Merit Energy Company wishes to plug and abandon the subject well. The following procedure is proposed:

- 1. Plug #1 - Set a CIBP @ 5660' & and spot 8 sacks of cement on top of it.*
- 2. Plug #2 - Spot a cement plug from 4800' - 4400' inside the 5 1/2" casing.*
- 3. Plug #3 - Perforate the 5 1/2" casing at 150'. Set a cement retainer @ 140'. Squeeze cement outside of casing to surface. Sting out of cement retainer @ 140' & cement inside of 5 1/2" casing to surface.*
- 4. Cut off wellhead. Weld on capping plate. Set plug and abandon stake. Complete job.*

This work is scheduled to take place within 1 month of approval.

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

Signed

John R. Long

Title

Petroleum Engineer

Date

09/28/98

(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

Conditions of approval, if any:

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

*See Instructions on Reverse Side

