

MERIDIAN OIL

September 10, 1986

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

Attention: Arlene Sollis

RECEIVED
SEP 12 1986

**DIVISION OF
OIL, GAS & MINING**

Re: Application for Permit to Drill
41-24 Havasu-Federal
NENE Section 24-38S-23E
San Juan County, Utah
Federal Lease No. U-20895

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,



S. S. Nelson
Sr. Operations Technician

ssn

Encl

1175N

CONFIDENTIAL
UNITED STATES
 DEPARTMENT OF THE INTERIOR
 BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

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

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

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

2. NAME OF OPERATOR
 MERIDIAN OIL INC.

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface NENE (1050' FNL - 500' FEL)
 At proposed prod. zone Same

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

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 500'

16. NO. OF ACRES IN LEASE 1,280.00

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 6200' *Actual*

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5107' GL (ungraded) 5106' GL (graded)

22. APPROX. DATE WORK WILL START*
 October 27, 1986

5. LEASE DESIGNATION AND SERIAL NO.
 U-20895

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 - -

7. UNIT AGREEMENT NAME
 - -

8. FARM OR LEASE NAME
 Havasu-Federal

9. WELL NO.
 41-24

10. FIELD AND POOL, OR WILDCAT
 Havasu UNDESIGNATED

11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA
 Section 24, T38S, R23E

12. COUNTY OR PARISH 13. STATE
 San Juan Utah

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2	13-3/8	48#	80'	Redi-Mix to surface
11	8-5/8	24#	1,700'	Single stage. Cmt to sfc w/320 s "B" +3% salt, 16% gel & .2% rtrdr & 110 sx "B" +2% CaCl ₂ .
7-7/8	5-1/2	15.5#	6,200'	Single stage. TOC @ 1500'. Cal log +20% excess. "B" +16% gel, 3% salt, .4% rtrdr & "B" + 3% Kcl +.8% fluid loss.

RECEIVED
 SEP 12 1986

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

CONFIDENTIAL INFORMATION
 DIVISION OF
 OIL, GAS & MINING

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

24. SIGNED *[Signature]* TITLE Sr. Drilling Engineer DATE 9/9/86

(This space for Federal or State office use)

PERMIT NO. 43-037-31279 APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING

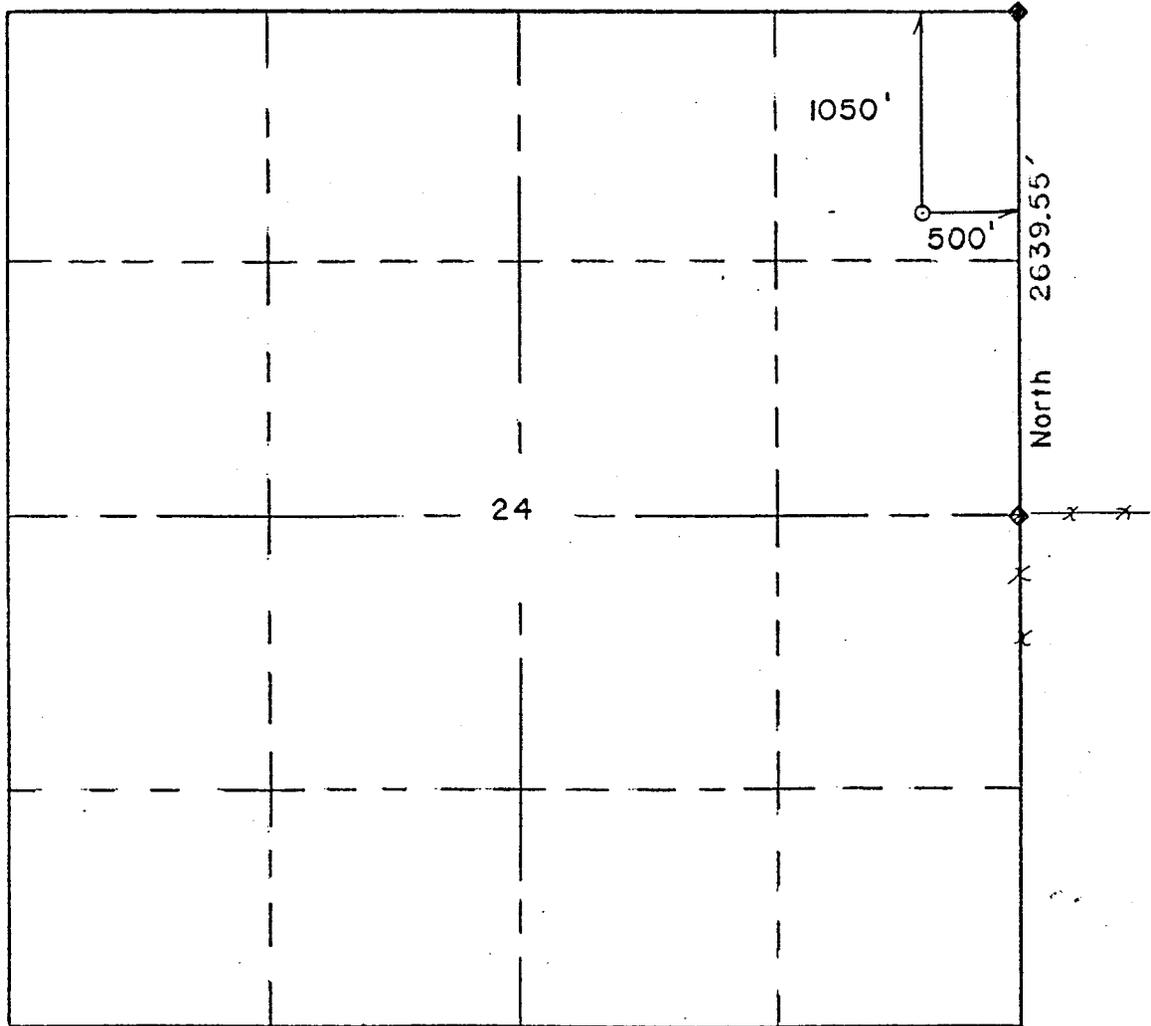
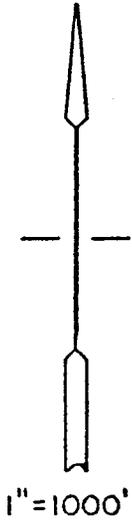
APPROVED BY _____ TITLE _____ DATE: 9-30-86

BY: *[Signature]* DATE _____

CONDITIONS OF APPROVAL, IF ANY: _____ WELL SPACING: 302.1

*See Instructions On Reverse Side

WELL LOCATION PLAT



WELL LOCATION DESCRIPTION:

MERIDIAN OIL
41-24 FEDERAL HAVASU
1050' FN & 500' FE
SECTION 24, T38S, R23E, SLM
SAN JUAN COUNTY, UTAH
GROUND ELEVATION 5107'

REFERENCES:

1380' FN & 590' FE
5119' GRD.
200'Sa. 5119' GRD.

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

26 AUGUST 1986

GERALD G. HUDDLESTON
Land Surveyor
STATE OF UTAH

LAW OFFICES
PRUITT, GUSHEE & FLETCHER

SUITE 1850 BENEFICIAL LIFE TOWER

SALT LAKE CITY, UTAH 84111

(801) 531-8446

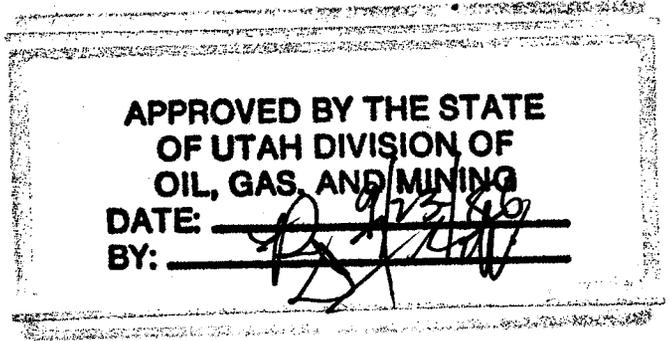
TELECOPIER (801) 531-8468

ROBERT G. PRUITT, JR.
OLIVER W. GUSHEE, JR.
F. ALAN FLETCHER
ROBERT G. PRUITT, III
THOMAS W. BACHTELL

OF COUNSEL
JAMES F. SHEPHERD

September 23, 1986

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
Location: NE $\frac{1}{4}$ NE $\frac{1}{4}$,
Section 24, T38S-R23E, SLM

Gentlemen:

Meridian Oil, Inc. plans to commence a well at the following location in the near future:

1050' FNL, 500' FEL, Section 24, T38S-R23E, SLM,
San Juan County, Utah

This location requires approval as an exception location under Rule 302.1 of the Oil and Gas Conservation General Rules effective December 2, 1985. Under the Rules, this exception may be granted administratively.

Meridian Oil, Inc. and it's partner, BWAB, Inc. have secured the drilling rights from the current leasehold owners, Texas Eastern Skyline Oil Co. (32.5%) and Cities Service Oil Co. (67.5%) under Farmout Agreements dated March 15, 1986 and March 14, 1986, respectively. Further, Meridian Oil, Inc. has been formerly designated as the operator of this tract pursuant to that certain Designation of Operator dated September 15, 1986, a copy of which is attached. Also, see attached Affidavit of William C. Mitchell, Landman with Meridian Oil, Inc.

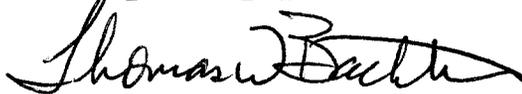
Division of Oil, Gas and Mining
Department of Natural Resources
September 23, 1986
Page 2

The reason for the requested exception location is both topographical and geological. As shown from the attached topographical plat, a drainage runs through the preferred legal location in the NE $\frac{1}{4}$ NE $\frac{1}{4}$. Because of this drainage problem, it is not possible to drill a well at the legal location on this tract. As a result, Meridian Oil proposes to move the location to the South sufficient to avoid the drainage problem but to remain on the geological structure.

A Lease Ownership Plat is attached to the Affidavit of William C. Mitchell as Exhibit "A". The Exhibit "B" is a Topographical Plat which shows the location of the drainage area and depicts the geological feature. This information is proprietary and very sensitive and therefore, it is requested that the State maintain this Plat in a confidential file.

The exception location for the proposed well is requested in order to encounter the best location for ultimate recovery of oil from the tract. Thank you for your consideration in this matter.

Very truly yours,



Thomas W. Bachtell

TWB:tem
0880.23
Enclosures
cc: William C. Mitchell, Landman

AFFIDAVIT

STATE OF COLORADO)
) ss.
COUNTY OF ARAPAHOE)

TO WIT:

Now, this 16th day of September, 1986, comes the affiant herein, WILLIAM C. MITCHELL, being of lawful age and the first duly sworn, and does now 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 plats attached hereto and made a part hereof as "Exhibit A" and "Exhibit B" are accurate to scale and reflects pertinent data required pursuant to oil & gas conservation rule No. 302.1,

And further, that to his information and belief, that Texas Eastern Skyline Oil Company and Cities Service Oil and Gas Corporation own current record title to 100% of the leasehold rights under the following described lands:

Township 38 South, Range 23 East
Section 24: All

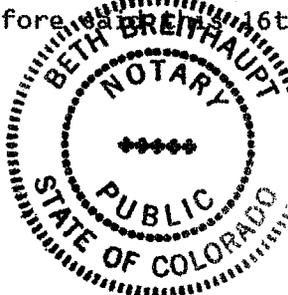
That Meridian Oil Inc. and its partner, BWAB Inc., have secured the drilling rights from Texas Eastern Skyline Oil Company under that certain farmout agreement dated March 15, 1986 and from Cities Service Oil and Gas Corporation under that certain farmout letter agreement dated March 14, 1986 along with a Designation of Operator form (attached), and thereby control the operating rights in the leasehold interest under the following described lands in San Juan County, Utah:

Township 38 South, Range 23 East
Section 24: All

Further affiant sayeth not.

William C. Mitchell
William C. Mitchell

Taken, sworn and subscribed to before me, a Notary Public in and for the County and State afore, on the 16th day of September, 1986.



Beth Breithaupt
Beth Breithaupt, Notary Public
5613 DTC Parkway
Englewood, CO 80111

my comm. expires 9/9/88
State of Colo.
County of Arapahoe

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
SERIAL NO.: U-20895

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 38 South - Range 23 East

Sec. 23: E/2
Sec. 24: A11
Sec. 25: E/2

San Juan County, Utah

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.

TEXAS EASTERN SKYLINE OIL COMPANY

By: 

C. E. Fern (Signature of lessee)
Vice-President
1200 Mellon Financial Center
1775 Sherman St.

Denver, CO 80203 (Address)

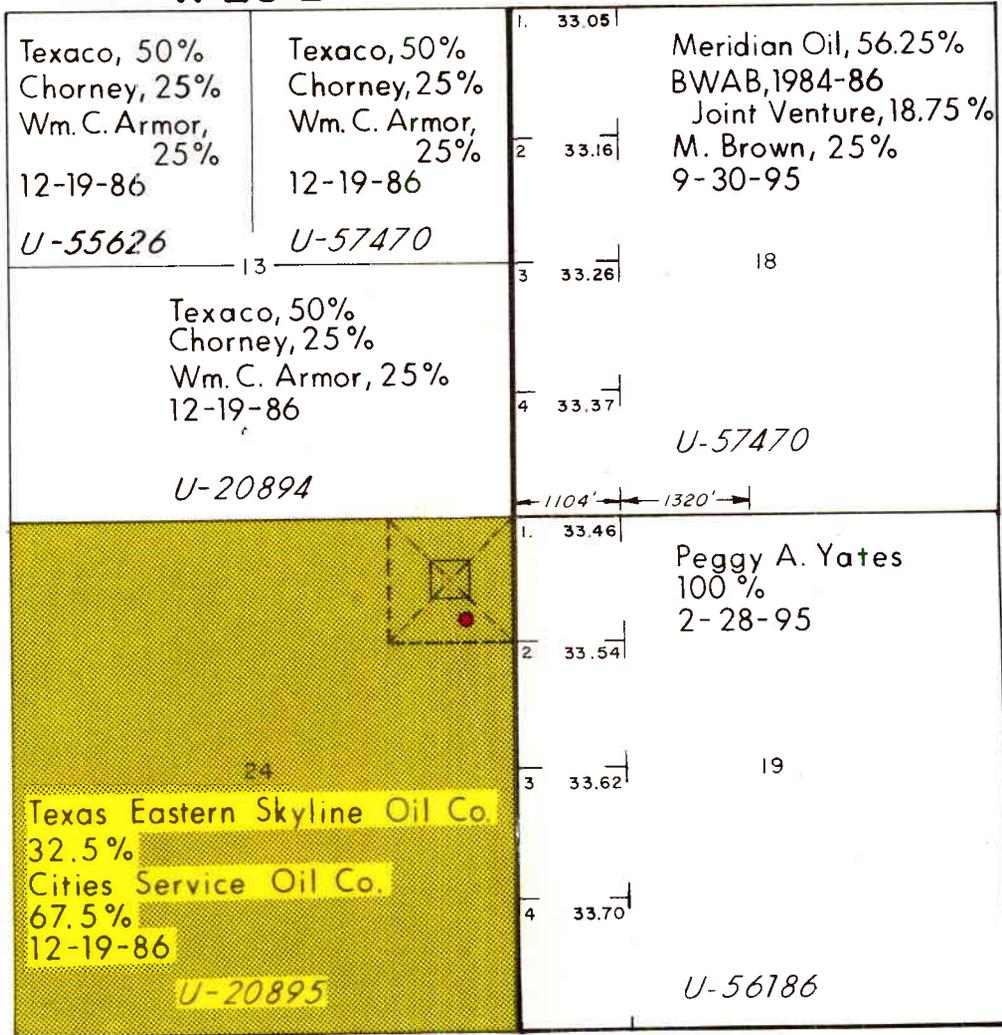
September 15, 1986
(Date)

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

EXHIBIT "A"

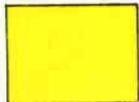
R 23 E

R 24 E



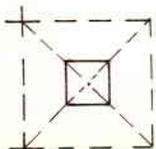
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38
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LEGEND



**MERIDIAN OIL / BWAB
FARMIN ACREAGE**

- **PROPOSED LOCATION:**
41-22 HAVASU FEDERAL
1050' fnl, 500' fel of sec. 24
T 38 S - R 23 E



400 ft. "WINDOW" (center of the
nene, sec. 24 T38S-R23E)

MERIDIAN OIL

HAVASU PROSPECT

GEOSCIENTIST
J.G.S.Q.
DRAFTER/GEOTECH
8/22/86
DATE
DENVER
OFFICE LOC.
REVISED DATE
MAP NUMBER

SAN JUAN COUNTY, UTAH

Scale: 1" = 2,000'

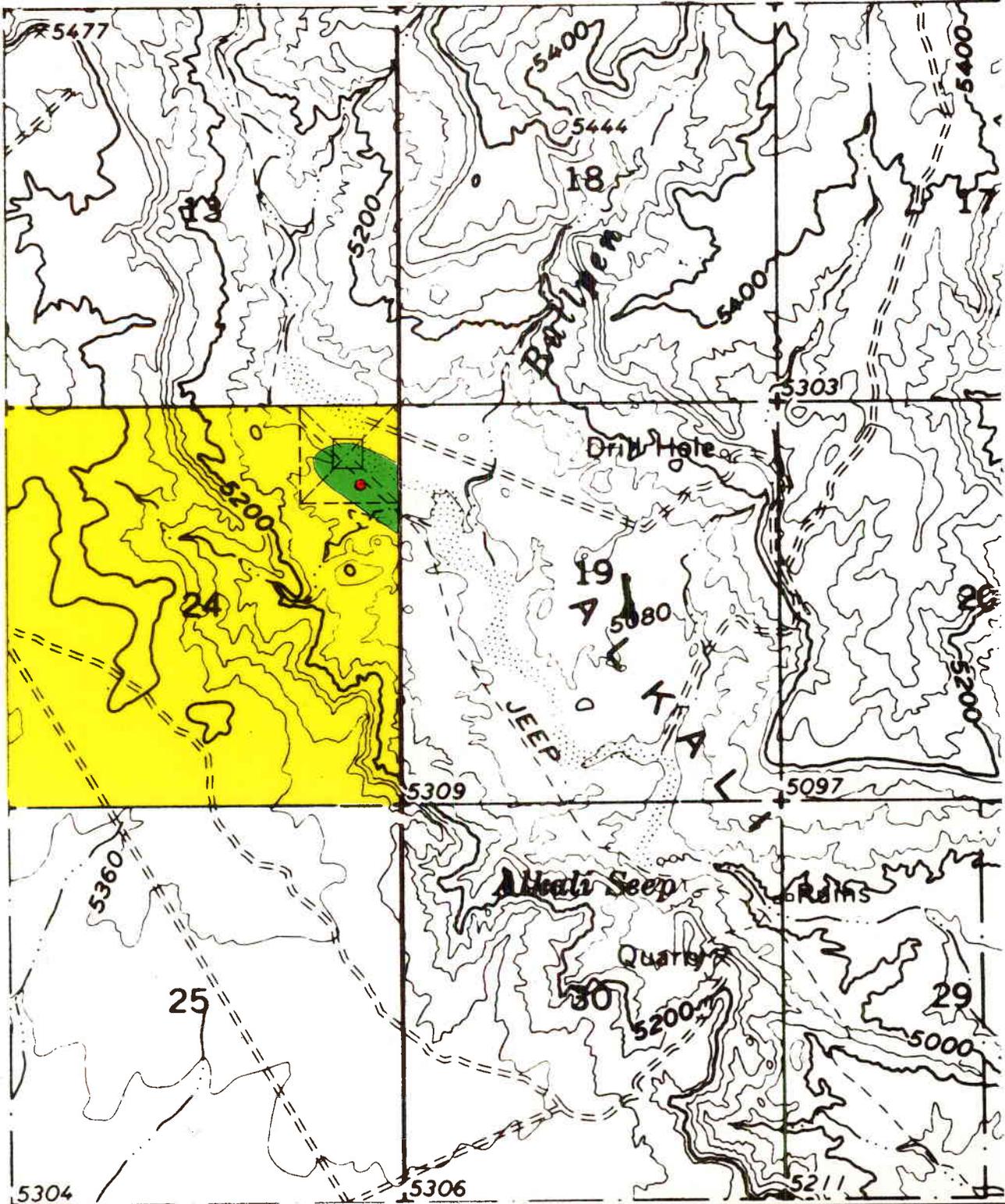
C.I.

EXHIBIT "B"

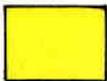
R 23 E

R 24 E

T 38 S

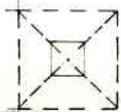


LEGEND



**MERIDIAN OIL / BWAB
FARMIN ACREAGE**

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41-22 HAVASU FEDERAL
1050' fnl, 500' fel of sec. 24
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400 ft. "WINDOW" (center of the
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MERIDIAN OIL

HAVASU PROSPECT

GEOCENTRIST
J.G.S.O.
DRAFTER/GEOTECH
8/22/86
DATE
DENVER
OFFICE LOC.
REVISED DATE
MAP NUMBER

SAN JUAN COUNTY, UTAH

Scale: 1" = 2,000'

C.I.

1257N/0073N

OIL AND GAS ORDER NO. 1

MERIDIAN OIL INC.

LEASE NAME: 41-24 Havasu-Federal
LEASE NO. U-20895
LOCATION: NENE Section 24-38S-23E
1050' FNL - 500' FEL
San Juan County, Utah
Havasu Field

A. EIGHT POINT DRILLING PROGRAM

1. & 2. Estimated Tops:

Morrison	Surface	
Entrada	786	
Navajo	969	fresh water
Chinle	1949	
Shinarump	2827	
Cutler	2949	
Hermosa	4787	
Upper Ismay	5719	oil
Top Porosity	5789	
A Shale	5851	
Lower Ismay	5872	
Desert Creek	5946	oil
Chimney Rock	6034	
Akah	6058	
TD	6200	

CONFIDENTIAL INFORMATION

3. Pressure Control Equipment:

- a. A 2000 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 2000 psi against casing. Casing will be tested to 2000 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 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.

4. Casing program:

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

<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>		
17-1/2	13-3/8	80	48#	H-40	ST&C	New	Redi-Mix to surface.
11	8-5/8	1,700	24#	K-55	ST&C	New	Single stage. Cement to sfc w/320 sx "B" + 3% salt + 16% gel + .2% retarder & 110 sx "B" + 2% CaCl ₂ .
7-7/8	5-1/2	6,200	15.5#	K-55	LT&C	New	Single stage. TOC @ 1500'. Caliper log + 20% excess. "B" + 16% gel + 3% salt + .4% retarder & "B" + 3% Kcl + .8% fluid loss.

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 3300' to TD.

6. Testing program:

Lower Desert Creek - Possible
 Upper Ismay - Possible

Logging program:

Cal/GR/DLL/MSFL Base surface casing to TD (GR to surface)
 Cal/GR/Sonic Base surface casing to TD (GR to surface displays)
 Cal/GR/CNL/FDC 5200' to TD
 Directional Survey Base 8-5/8" to TD
 Dipmeter: If Desert Creek indicates productive.

Coring program:

None planned.

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.
2. (Dry Hole) Setting and testing of surface casing shoe plug.
3. (Depleted Producer) The setting and testing of plugs across the producing 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) 587-2201 (Home) (801) 587-2026 or if unable to reach Mike, call Moab District office Greg Noble at (801) 259-6111 (Home) (801) 259-8811.

B. THIRTEEN POINT SURFACE USE PLAN

1. Existing Roads (Yellow)

- a. Location of proposed well in relation to town or other reference point:
5 miles northwest 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 Dept., (801) 587-2231, ext. 43.

2. Planned Access Roads (Blue)

- a. The maximum total width will be 25 feet.
- b. Maximum grade is 0%.
- c. There will be no turnouts.
- d. Road is centerline flagged.
- e. Road will be drained as needed.
- f. If well is drilled during wet winter conditions, surface materials may be required to avoid maintenance problems.

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

Battery facility is shown on attached Exhibit "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 Desert Brown.

All flowlines will be buried parallel to existing roads 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 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 obtained at a point: N 798.06 ft & E 1876.41 ft from SW corner of Section 28, T38S, R25E (BLM artesian well) or will be hauled by a commercial water hauler from Blanding.

Use of water for this operation will be approved by obtaining a temporary use permit 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.

7. Methods for Handling Waste Disposal

The reserve pit will be lined with commercial bentonite sufficient to prevent seepage. At least 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 State fire Warden, John Baker, at (801) 587-2705.

Produced waste water will be confined to a (lined/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 top 6 inches of soil material will be removed from the location and stockpiled on the southeast side of well pad. Topsoil along the access will be reserved in place.

Access to the well pad will be from the northwest corner.

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) 587-2201, 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.

<u>3</u>	lbs/acre Indian ricegrass (<u>Oryzopsis hymenoides</u>)
<u>3</u>	lbs/acre Galleta (<u>Hilaria jamesii</u>)
<u>3</u>	lbs/acre crested wheatgrass (<u>Agropyron desertorum</u>)
<u>2</u>	lbs/acre Fourwing saltbush (<u>Atriplex canescens</u>)

- 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: Greg Noble
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: Rich McClure
Office Phone: 801-587-2141

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.	Bill Lloyd, Drilling Engineer	406-256-4129	406-252-2328
3.	John Pulley, Completion Supt	406-256-4124	406-259-6156
4.	Barry Winstead, Sr. Drilling Engineer	406-256-4030	406-656-7521

O&G Order No. 1
41-24 Havasu-Federal
1257N/Page 10

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.



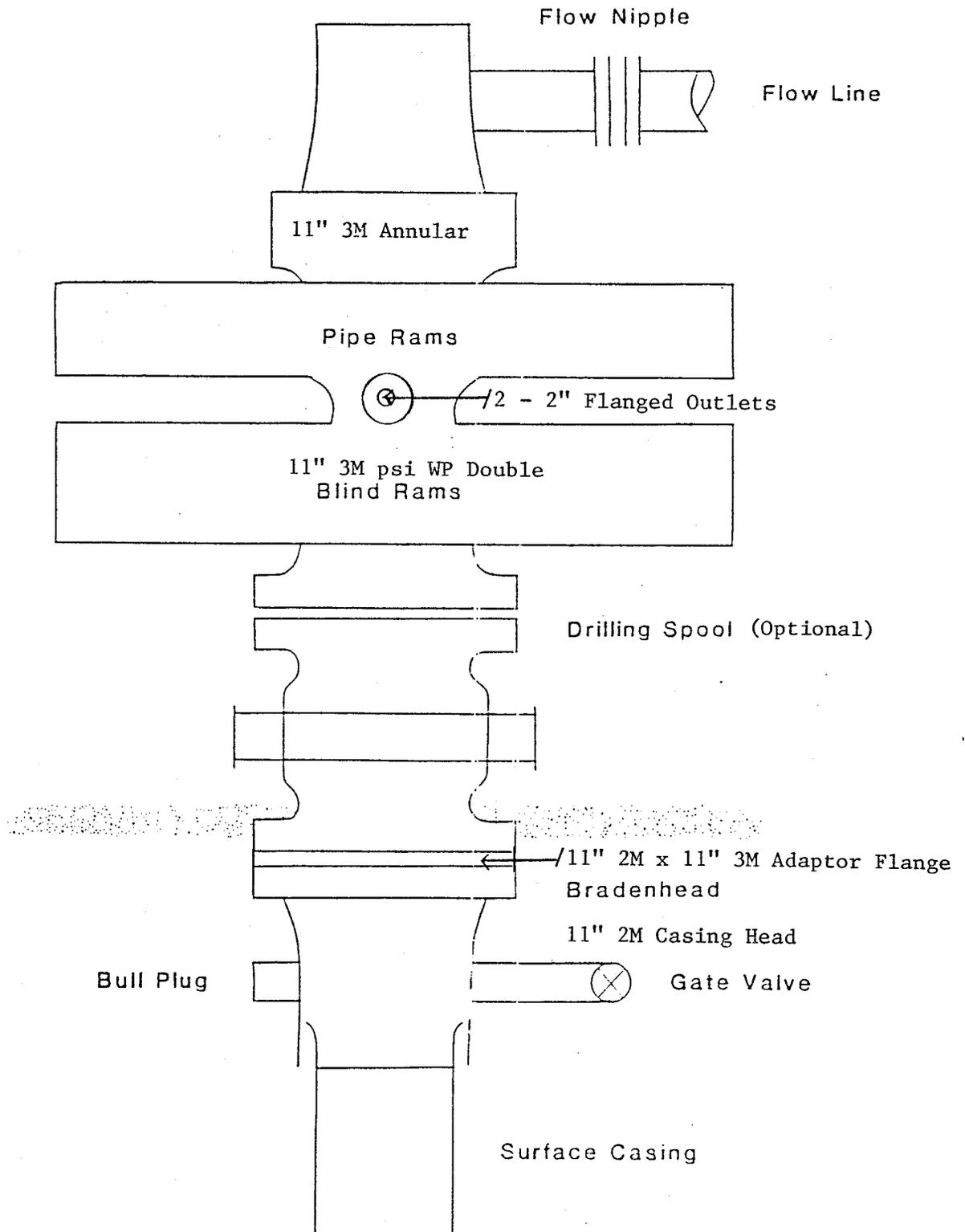
Barry J. Winstead
Sr. Drilling Engineer

9/9/86

Date

ssn

TYPICAL B.O.P. INSTALLATION



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

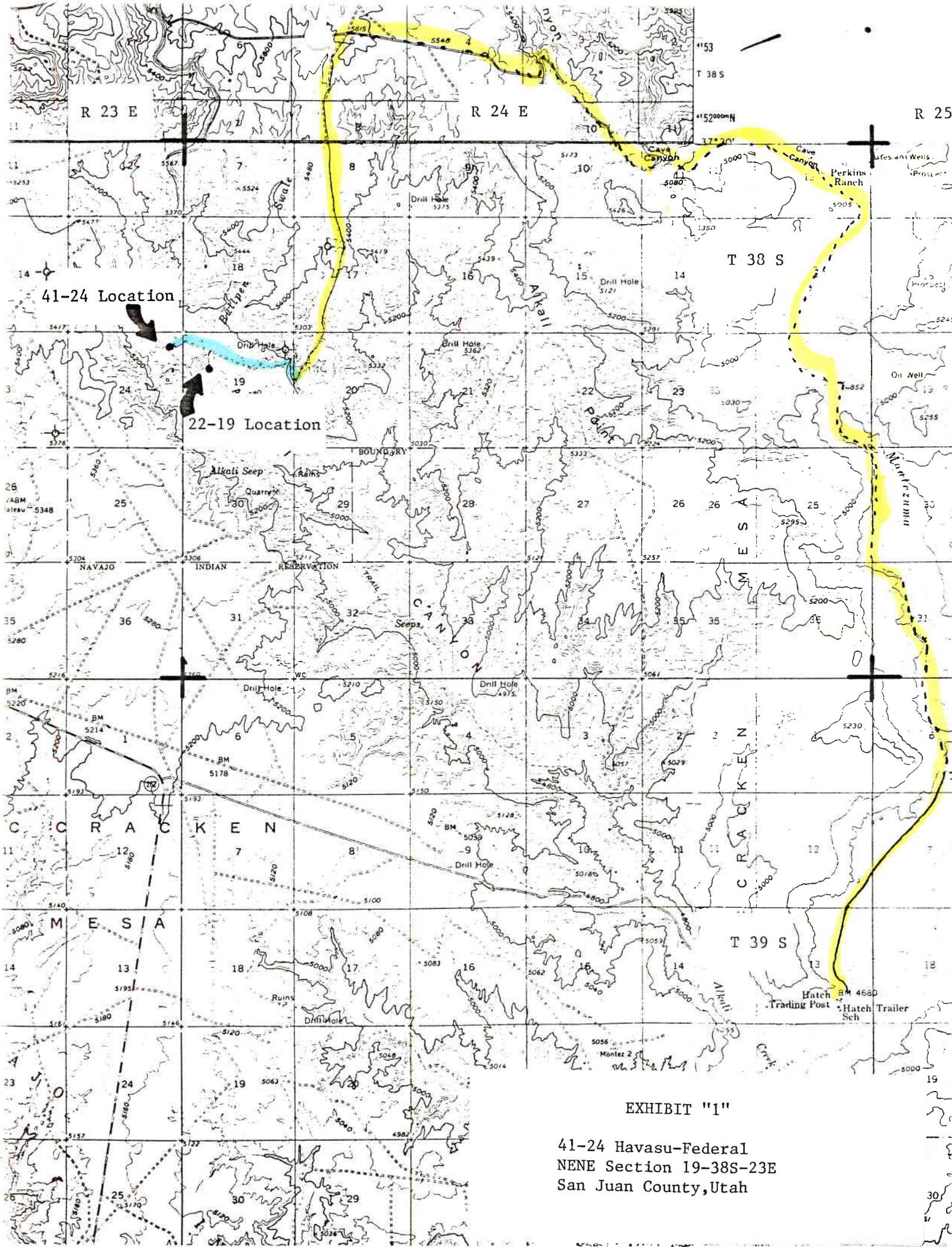


EXHIBIT "1"

41-24 Havasu-Federal
 NENE Section 19-38S-23E
 San Juan County, Utah

WELL PAD PLAN VIEW

41-24 Federal Havasu

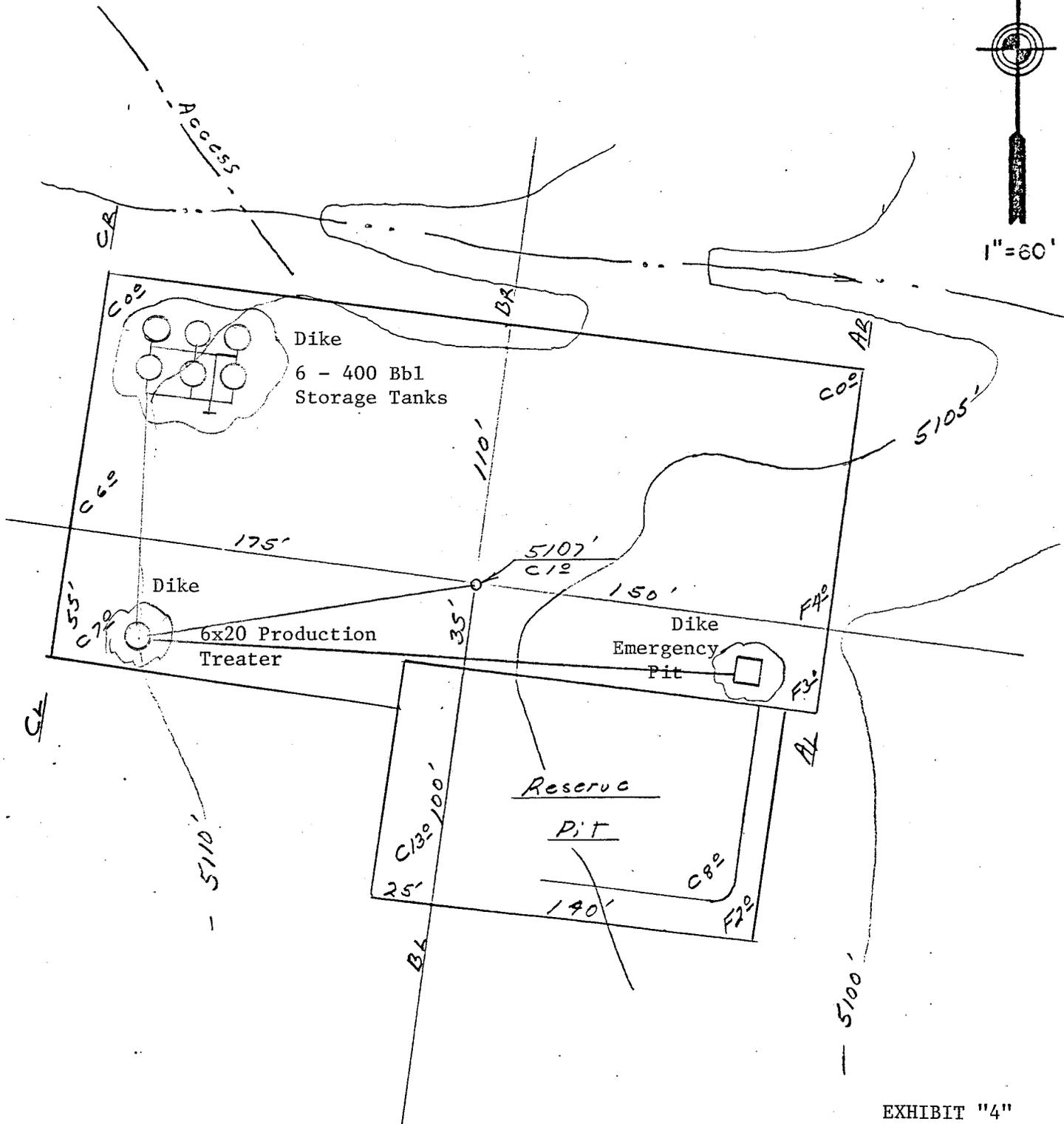


EXHIBIT "4"
Battery Layout

WELL PAD PLAN VIEW

41-24 Federal Havasu

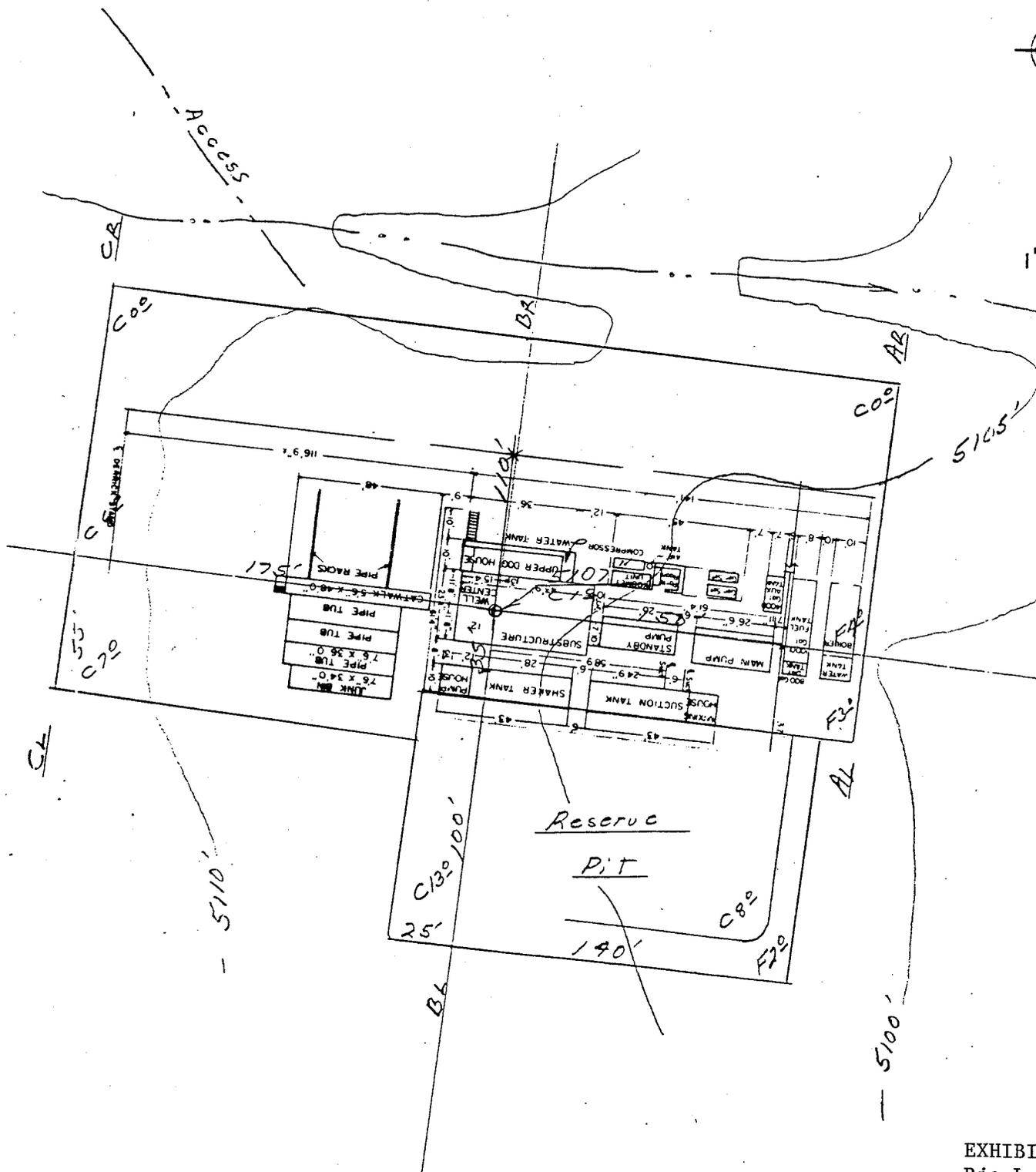


EXHIBIT "9a"
Rig Layout

WELL PAD CROSS-SECTION

41-24 Federal Havasu

Cut 
Fill 

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

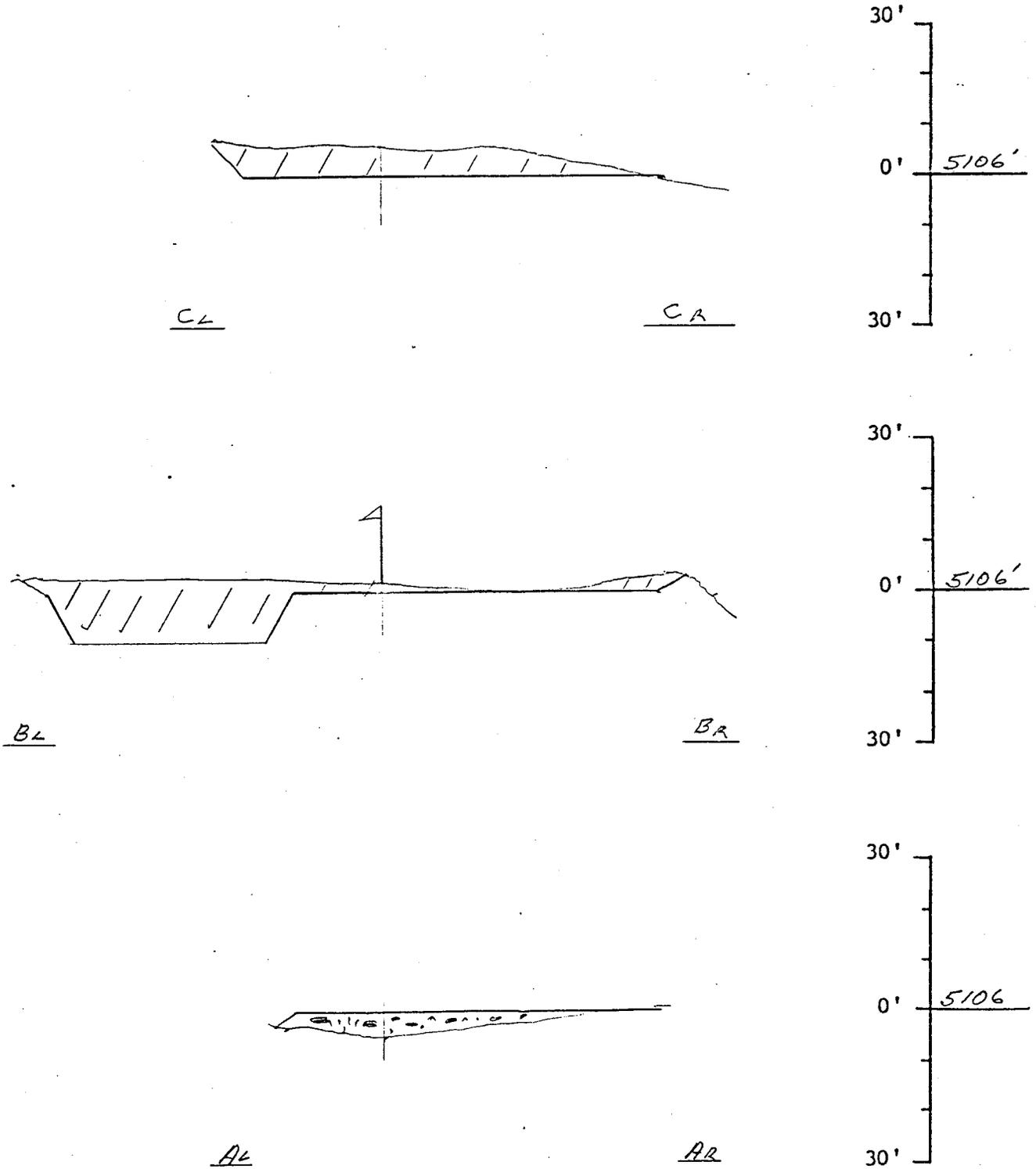


EXHIBIT "9b"
Cross Sections

~~CONFIDENTIAL~~

80711

100736

OPERATOR Meridian Oil, Inc. DATE 9-15-86
WELL NAME Havaw Fed. 41-24
SEC NE NE 24 T 38S R 23E COUNTY San Juan

43-037-31279
API NUMBER

Fed
TYPE OF LEASE

CHECK OFF:

- | | | |
|---|---|---|
| <input checked="" type="checkbox"/> PLAT | <input checked="" type="checkbox"/> BOND | <input 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 38S 23E S-24
Need water permit

APPROVAL LETTER:

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

STIPULATIONS:

1 - Water permit



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

September 30, 1986

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

Gentlemen:

Re: Well Name: Havasu Federal #41-24 - NE NE Sec. 24, T. 38S, R. 23E
1050' FNL, 500' FEL - San Juan County, Utah

Approval to drill the referenced well is hereby granted in accordance with Rule 302.1, Oil and Gas Conservation General Rules, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by 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. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. 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.
4. Compliance with the requirements and regulations of Rule 311.3, Associated Gas Flaring, Oil and Gas Conservation General Rules.

Page 2

Meridian Oil Inc.

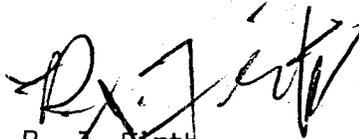
Well Name: Havasu Federal #41-24

September 30, 1986

5. 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.
6. 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 43-037-31279.

Sincerely,



R. J. Birth
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

100704

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. 43.037.31279

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 (1050' FNL - 500' FEL)
At proposed prod. zone Same

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

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 500'
16. NO. OF ACRES IN LEASE 1,280.00

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 6200'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5107' GL (ungraded) 5106' GL (graded)

22. APPROX. DATE WORK WILL START*
October 27, 1986

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2	13-3/8	48#	80'	Redi-Mix to surface
11	8-5/8	24#	1,700'	Single stage. Cmt to sfc w/320 sx

RECEIVED
OCT 03 1986

DIVISION OF
OIL, GAS & MINING

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

24. SIGNED [Signature] TITLE Sr. Drilling Engineer DATE 9/9/86

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY /s/ GENE NODINE TITLE DISTRICT MANAGER DATE OCT 01 1986

CONDITIONS OF APPROVAL, IF ANY:
FLARING OR VENTING OF GAS IS SUBJECT OF NTL 4-A CONDITIONS OF APPROVAL ATTACHED DATED 1/1/80
SUBJECT TO RIGHT OF WAY APPROVAL

*See Instructions On Reverse Side

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

Meridian Oil Inc.
Well No. Havasu-Federal 41-24
Sec. 24, T. 38 S., R. 23 E
San Juan County, Utah
Lease U-20895

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.

102114

DIVISION OF OIL, GAS AND MINING

SPODDING INFORMATION

API #43-037-31279

NAME OF COMPANY: MERIDIAN OIL & GAS

WELL NAME: HAVASII FEDERAL 41-24

SECTION NE NE 24 TOWNSHIP 38S RANGE 23E COUNTY San Juan

DRILLING CONTRACTOR Aztec Drilling

RIG # 301

SPODDED: DATE 10-18-86

TIME 7:30 PM

HOW Rotary

DRILLING WILL COMMENCE _____

REPORTED Jimmy Reeder

TELEPHONE # _____

DATE 10-20-86 SIGNED AS

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

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

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

102708

5. LEASE DESIGNATION AND SERIAL NO.
U-20895

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
--

7. UNIT AGREEMENT NAME
--

8. FARM OR LEASE NAME
Havasu-Federal

9. WELL NO.
41-24

10. FIELD AND POOL, OR WILDCAT
Havasu

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 24-38S-23E

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

SUNDRY NOTICES AND REPORTS ON WELLS
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
MERIDIAN OIL INC.

3. ADDRESS OF OPERATOR
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 NENE (1050' FNL - 500' FEL)

14. PERMIT NO.
43-037-31279

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5130' 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 <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>	
FRACTURE TREAT <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>	
SHOOT OR ACIDIZE <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>	
REPAIR WELL <input type="checkbox"/>	(Other) <u>Spud Report</u>		<input checked="" type="checkbox"/>

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

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

Aztec, Rig #301, spudded well @ 7:00 PM October 18, 1986. Ran 86' 13-3/8" casing, set @ 80'. Cmt w/95 sx "B" w/3% CaCl. Run 43 jts 8-5/8" 24#, J-55 STC 8rd R-3 csg, set @ 1730'. Circ, cmt w/320 sx "B" w/16% gel, + 110 sx "B" w/2% CaCl.

RECEIVED
OCT 23 1986
DIVISION OF
OIL, GAS & MINING

I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE Sr. Operations Technician DATE 10/20/86

(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**

110705
SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved. *Utah Conf. 0*
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.)

5. LEASE DESIGNATION AND SERIAL NO.
U-20895

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

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
Havasu-Federal

9. WELL NO.
41-24

10. FIELD AND POOL, OR WILDCAT
Havasu

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 24-38S-23E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

RECEIVED
NOV 05 1986
DIVISION OF
OIL, GAS & MINING

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
NENE (1050' FNL - 500' FEL)

14. PERMIT NO.
43-037-31279

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5130' 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 <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) <input type="checkbox"/>	(Other) <input type="checkbox"/>
(Other) Change Tank Battery Site <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.)*

Battery Site for the above well was originally permitted on the well site pad.

Due to topography problems, tank battery site moved northeast (513.72') as per attached Survey Plat and Battery Layout.

Flowline well be buried 10' across wash and buried 3' deep elsewhere.

NOTE: Stipulations from Surface Use Plan of original Application for Permit To Drill will be same.

CONFIDENTIAL INFORMATION

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

SIGNED W. Y. Brauer TITLE Production Superintendent DATE 11/3/86

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

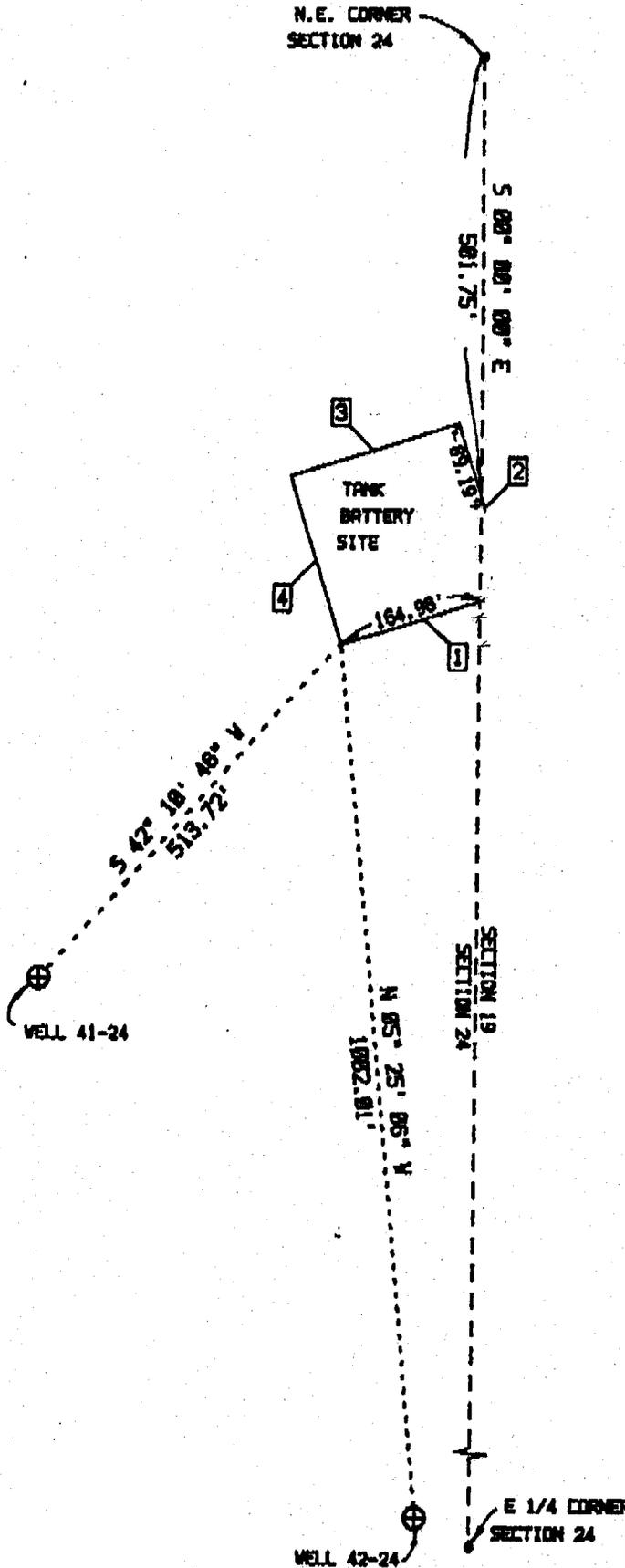
*See Instructions on Reverse Side

BEARING AND DISTANCE TABLE

1. N 72° 36' 32" E - 200.00'
2. N 17° 23' 33" W - 200.00'
3. S 72° 36' 32" W - 200.00'
4. S 17° 23' 28" E - 200.00'

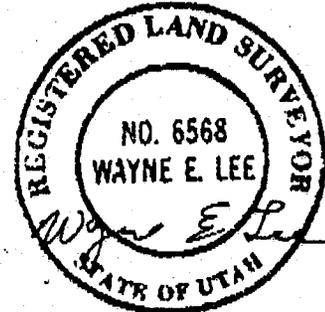
ALL THAT PORTION OF THE NE 1/4 OF THE NE 1/4 OF SECTION 24, T.30 S., R.23 E., TOGETHER WITH ALL THAT PORTION OF THE NW 1/4 OF THE NW 1/4 OF SECTION 19, T.30 S., R.24 E., BOTH IN SAN JUAN COUNTY, UTAH, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHEAST CORNER OF SAID SECTION 24, THENCE SOUTHERLY ALONG THE EAST LINE OF THE NE 1/4 OF SAID SECTION 24 SOUTH 581.75 FEET TO THE TRUE POINT OF BEGINNING, THENCE LEAVING SAID EAST LINE N 17° 23' 28" W A DISTANCE OF 89.17 FEET, THENCE S 72° 36' 32" W A DISTANCE OF 200.00 FEET, THENCE S 17° 23' 28" E A DISTANCE OF 200.00 FEET, THENCE N 72° 36' 32" E A DISTANCE OF 164.98 FEET TO SAID EAST LINE OF THE NE 1/4 OF SECTION 24, THENCE CONTINUING N 72° 36' 32" E A DISTANCE OF 35.82 FEET, THENCE N 17° 23' 28" W A DISTANCE OF 111.83 FEET TO THE TRUE POINT OF BEGINNING AND CONTAINING 8.92 ACRES MORE OR LESS.
 THE BASIS OF BEARINGS FOR THIS DESCRIPTION IS THE EAST LINE OF THE NE 1/4 OF SECTION 24 BETWEEN THE NE CORNER OF SAID SECTION 24 BEING A STONE MOUND AND THE EAST 1/4 CORNER OF SAID SECTION 24 BEING A 1" PIPE WITH BRASS CAP DATED 1912 BY G.L.D.
 I.e. SOUTH 2636.88 FEET



LEGEND

- ⊕ WELL SITE AS NOTED
 - SECTION CORNER AS NOTED
 - TIE LINE
 - SECTION LINE
- 100 0 100 200 300



FOUR CORNERS SURVEYING

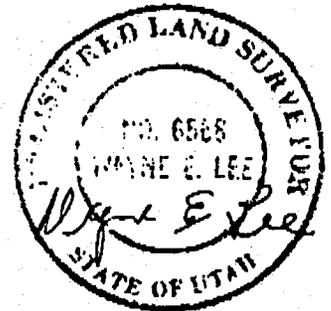
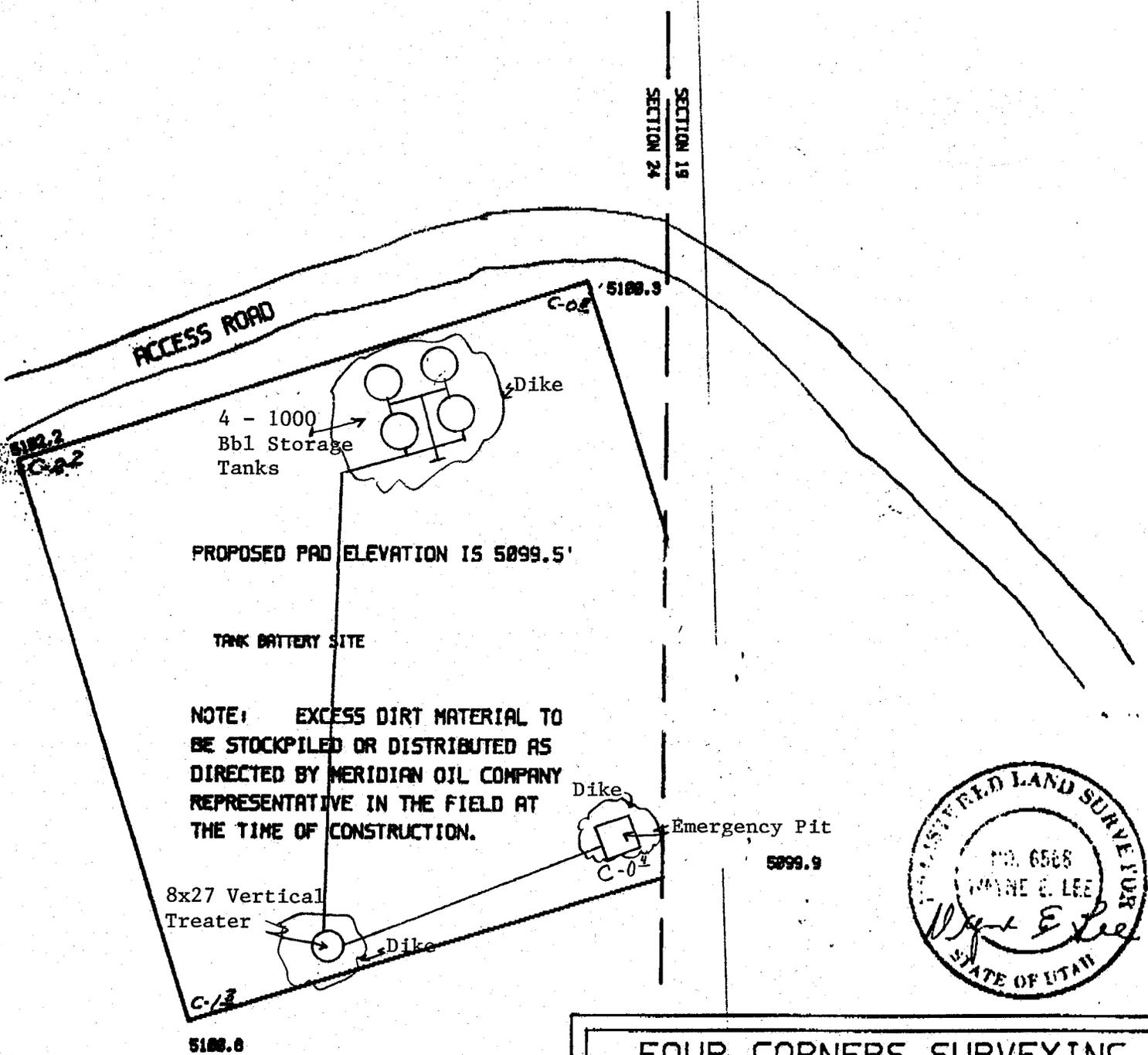
21283 COUNTY ROAD P, CORTEZ, COLORADO 81321
 (983)-585-4894

SECTION 24 BATTERY SITE

DRAWN		DATE		MERIDIAN OIL COMPANY	
R. BOUET		11-1-1988			
APPROVED BY		DATE		SHEET 1 OF 2 PROJECT NO. MERTOTAL-98	
SCALE		1 INCH = 200 FEET			

MERIDIAN OIL COMPANY

SECTION 24 TANK BATTERY SITE



ELEVATIONS SHOWN HEREON ARE BASED ON WELL 41-24
PAD ELEVATION OF 5186'

FOUR CORNERS SURVEYING			
21289 COUNTY ROAD P, CORTEZ, COLORADO 81321 (983)-565-4894			
SECTION 24 BATTERY SITE			
DRAWN R. BOUET	DATE 11-1-1986	MERIDIAN OIL COMPANY	
APPROVED BY	DATE		
SCALE	SHEET	SHEET	PROJECT NO.

Cont.

Form 3160-5
(November 1983)
(Formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

10704
SUBMIT IN TRIPPLICATE
(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"/>		7. UNIT AGREEMENT NAME N/A
2. NAME OF OPERATOR MERIDIAN OIL INC.		8. FARM OR LEASE NAME Havasu-Federal
3. ADDRESS OF OPERATOR P. O. Box 1855, Billings, MT 59103		9. WELL NO. 41-24
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface NENE (1050' FNL - 500' FEL)		10. FIELD AND POOL, OR WILDCAT Havasu (Wildcat)
14. PERMIT NO. 43-037-31279		12. COUNTY OR PARISH San Juan
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5130' KB		13. STATE Utah

RECEIVED
NOV 05 1986
DIVISION OF OIL, GAS & MINING

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	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) Progress Report - October, 86 <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.)*

Well was spud @ 7:00 PM October 18, 1986. Ran 86' 13-3/8" casing. Set @ 80'. Cemented w/95 sx Class "B". Ran 43 jts 8-5/8" 24# J-55 STC casing, set @ 1730'. Cemented w/430 sx Class "B". Topped sfc w/75 sx "B", good returns. Drill to 5890'. Ran DST #1 (5684' - 5766') U. Ismay. Times: 10-40. No cushion. Rev rec: 2918' = 35.8 BO, est off chart press 31 bbls rev to test tank. Sample Chamber: 2100 cc volume. 1000 psi press, 1700 cc total volume, 1700 cc oil, 41° API @ 65°F. No wtr, no mud, 4.98 cfg. HP 2721 - 2777, FP 951 - 959, 1088 - 1042; SIP 2000 - 2014. Reached TD of 6064' @ 11:30 PM 10-27-86. Logged. Ran 5-1/2" 17# J-55 & K-55 STC & LTC casing, set @ 6064'. Cemented w/1010 sx Class "B". Release rig @ 10:00 PM 10-29-86. Waiting on completion rig.

CONFIDENTIAL INFORMATION

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

SIGNED Suzanne S. Wilson TITLE Sr. Operations Technician DATE 11/3/86

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

copy.

Form 3160-5
(November 1983)
(Formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

111314

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

5. LEASE DESIGNATION AND SERIAL NO.
U-20895

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

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
Havasu-Federal

9. WELL NO.
41-24

10. FIELD AND POOL, OR WILDCAT
Havasu

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 24-38S-23E

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
MERIDIAN OIL INC

3. ADDRESS OF OPERATOR
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
NENE (1050' FNL - 500' FEL)

14. PERMIT NO.
43-037-31279

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5130' 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 <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>Put on Production</u>	<input checked="" type="checkbox"/>

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

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

Well started flowing @ 7:00 PM November 7, 1986.

CONFIDENTIAL INFORMATION

RECEIVED
NOV 12 1986

DIVISION OF
OIL, GAS & MINING

I hereby certify that the foregoing is true and correct.
SIGNED [Signature] TITLE Sr. Operations Technician DATE 11/10/86

(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 TRIPPLICATE*
(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-20895
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 (1050' FNL - 500' FEL)		8. FARM OR LEASE NAME Havasu-Federal
14. PERMIT NO. 43-037-31279		9. WELL NO. 41-24
15. ELEVATIONS (Show whether DF, RT, CR, etc.) 5130' KB		10. FIELD AND POOL, OR WILDCAT Havasu
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 24-38S-23E
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

RECEIVED
NOV 24 1986
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) <input type="checkbox"/>	(Other) <input type="checkbox"/>
(Other) <input type="checkbox"/>	Flare Gas <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.)*

72 hr well test, flowed 6482 BO, 0 BW & 8397 MCFPD, 56/64" choke.

Average - 2161 BOPD, 0 BWPD, 2799 MCFPD. Avg FTP 357 psi, GOR 1296:1.

Permission to produce the well and flare gas for a 60 day period is requested. Additional bottom hole pressure will be required to determine the extent of the reservoir after a draw down period.

CONFIDENTIAL INFORMATION

I hereby certify that the foregoing is true and correct

SIGNED W. B. Brown TITLE Production Superintendent DATE 11/20/86

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

Federal approval of this action is required before commencing operations.

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

*See Instructions on Reverse Side

DATE 12-1-86
BY: John R. Day



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

December 1, 1986

120305

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

Gentlemen:

RE: Request to Flare or Vent Associated Gas for Havasu-Federal
Well No. 41-24, Sec.24, T.38S, R.23E, San Juan County, Utah

The Division of Oil, Gas and Mining hereby grants approval of your sundry notice dated November 20, 1986, to flare associated gas from the referenced well. The approval shall allow associated gas to be flared or vented in excess of that allowed by Rule 311.3 of the Oil and Gas Conservation General Rules for the purposes of testing the well during the period extending until February 1, 1987.

Please note that this approval represents an administrative variance to Rule 311.3. The Division will inform the Board of Oil, Gas and Mining of the approval at the next regularly scheduled meeting to be held on December 4, 1986, during the informal Briefing Session. No Board action will be required at this time. Any additional request for flaring will require concurrence or approval of the Board.

It is also necessary to comply with federal regulations and the federal lease requirements concerning oil and gas operations. Therefore, you are advised to contact the appropriate federal agency and ensure that they do not object to the proposed gas flaring.

Please contact this office again if you have any further questions.

Best regards,

Dianne R. Nielson
Director

cc: R. J. Firth
✓ J. R. Baza
Well file
0258T-54

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*
(See other instructions on reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY
 b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR.
 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 well logs on file):
 At surface NENE (1050' FNL - 500' FEL)
 At top prod. interval reported below Same
 At total depth Same

RECEIVED
DEC 15 1986

5. LEASE DESIGNATION AND SERIAL NO. U-20895
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
 7. UNIT AGREEMENT NAME N/A
 8. FARM OR LEASE NAME Havasu-Federal
 9. WELL NO. 41-24
 10. FIELD AND POOL, OR WILDCAT Havasu (Wildcat)
 11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Section 24-38S-23E

14. PERMIT NO. 43-037-31279 DATE ISSUED 9/30/86
 12. COUNTY OR PARISH San Juan 13. STATE Utah

15. DATE SPUDDED 10-18-86 16. DATE T.D. REACHED 10-27-86 17. DATE COMPL. (Ready to prod.) 11-7-86 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5106' GL 19. ELEV. CASINGHEAD 5118' KB

20. TOTAL DEPTH, MD & TVD 6,064' 21. PLUG, BACK T.D., MD & TVD 5,968' 22. IF MULTIPLE COMPL., HOW MANY* N/A 23. INTERVALS DRILLED BY N/A ROTARY TOOLS X CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 5707' - 5808' (U. Ismay) 25. WAS DIRECTIONAL SURVEY MADE Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN GR/CNL/FDC, GR/DLL/MSFL, GR/Sonic 27. WAS WELL CORED No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8	54.5	80	17-1/2	95 sx	None
8-5/8	24	1,730'	11	430 sx	None
5-1/2	17	6,064'	7-7/8	1010 sx	None

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
N/A					2-7/8	5,675'	5647'

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

INTERVAL	FLUID	VOLUME	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5707' - 5808' w/4 ispf				
5794' - 5808'	1750 gal 15% Hcl		5753' - 5763'	1000 gal 15% Hcl
5783' - 5791'	500 gal 15% Hcl		5734' - 5746'	1000 gal 15% Hcl
5767' - 5777'	1250 gal 15% Hcl		5715' - 5729'	1750 gal 15% Hcl
			5707' - 5712'	625 gal 15% Hcl

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
11-7-86	Flowing	Producing					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
11-7-86	24	56/64"	→	1924	2026	0	1053:1
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
347	-	→	1924	2026	0	40.8° @ 60°.	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Flaring 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 Tim C. Lehman TITLE Regional Production Engineer DATE 12/13/86

*(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, 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
Upper Ismay	5684	5766	<p>Times: 10-40. No cushion. Reversed recovery: 2918' = 35.8 BO, est off chart press 31 bbls rev to test tank. Sample Chamber: 2100 cc volume, 1000 psi, 1700 cc total volume, 1700 cc oil, 41° API @ 65°F. No wtr, no mud, 4.98 cfg. HP 2721 - 2777; FP 951 - 959, 1088 - 1042; SIP 2000 - 2014.</p>	U. Ismay Top ∅ "A" Shale L. Ismay Gothic Desert Creek Chimney Rock Akan	5,696' 5,616' 5,860' 5,872' N/A 5,946' 6,034' 6,058'	

CONFIDENTIAL INFORMATION

121019

MERIDIAN OIL INC.
#41-24 HAVASU FEDERAL
SECTION 24, T38S-R23E
SAN JUAN COUNTY, UTAH

CONFIDENTIAL

GEOLOGIC REPORT
BY
JOHN H. PUDLINER
ROCKY MOUNTAIN GEO-ENGINEERING COMPANY

WELL SUMMARY

OPERATOR: MERIDIAN OIL INC.

WELL NAME: #41-24 HAVASU FEDERAL

LOCATION: SECTION 24 - T38S - R23E
FOOTAGE: 1050' FNL - 501' FEL

COUNTY: SAN JUAN

STATE: UTAH

ELEVATION: 5118 KB - 5106 GL

SPUD DATE: OCTOBER 18, 1986 @ 19:00 HOURS

COMPLETION DATE: OCTOBER 27, 1986 @ 23:25 HOURS

PROJECT GEOLOGIST: CINDY L. CRAWLEY
MERIDIAN OIL INC.

WELLSITE GEOLOGIST: JOHN H. PUDLINER
ROCKY MOUNTAIN GEO-ENGINEERING COMPANY

DRILLING CONTRACTOR: AZTEC WELL SERVICE, RIG 301

TOOL PUSHER: CHUCK HESSER

DRILLING MUD: IN HOUSE, MERIDIAN OIL

ELECTRIC LOGGING: SCHLUMBERGER
ENGINEER: MIKE KELLY
TYPE OF LOGS RUN: GR-CNL-FDC, GR-DLL-MSFL, GR-SONIC, DIRECTIONAL
SURVEY, DIPMETER (if DESERT CREEK DEVELOPED)

CASING RECORD: CONDUCTOR 13 3/8 TO 80'; SURFACE 8 5/8" TO
1725'; COMPLETION 5 1/2"

DRILL STEM TEST: BAKER
ENGINEER: DAVID DOLYNIUK

TOTAL DEPTH: 6064' DRILLER: 6069' STRAP; 6070' E-LOG

STATUS: RUN 5 1/2" CASING FOR COMPLETION TESTING OF
ISMAY

MERIDIAN OIL INC.
 #41-24 HAVASU FEDERAL
 SECTION 24, T38S-R23E
 SAN JUAN COUNTY, UTAH

WELL CHRONOLOGY

1986 DATE	MDNT DEPTH	FTG/ DAY	DAILY OPERATIONS
10/18	SURF		SPUD @ 19:00
10/19	85	85	RUN 13 3/8" CONDUCTOR PIPE TO 80' - DRL 14½ HRS TO 1730' - TOH FOR SURF CSG - SURVEY 491' ½°; 1368' ¾°; 1730' ¾°
10/20	1730	1645	SET 8 5/8" SURF CSG @ 1725' - WOC - NIPPLE UP-PRES TEST BOP - DRL 7¼ HRS w/BIT #3, 7 7/8" REED HP53
10/21	2077	347	DRL 22½ HRS w/BIT #3 - SURV 2254' ¾°; 2751' 1°; 3310' 1¼°
10/22	3408	1331	DRL 23¼ HRS w/BIT #3 - SURV 3912' 1½°
10/23	4359	951	DRL 17 HRS - TOH FOR NB#4, BIT #3 OUT @ 5035' - SURV 4403' 1°; 4930' 1°; 5030' 1°
10/24	5035	676	DRL 19 ¾ HRS - TOH FOR BIT #4, HTC J-33H rr SURVEY 5460' ¾°
10/25	5460	425	DRL 15½ HRS - TOH FOR NB#5, REED HP53A, 5½ HRS - CIRC SPLS & PREPARE FOR DST #1, 3 HRS - SURV @ 5766' 1¼°
10/26	5766	306	CIRC & CONDUCT DST #1 - DRL 3¼ HRS
10/27	5822	56	DRL 17½ HRS - TOH FOR HOLE IN PP - TD @ 23:25 HRS @ 6064
10/28	6064	242	CIRC - TOH FOR E-LOGS - RUN LOGS

MERIDIAN OIL INC.
 #41-24 HAVASU FEDERAL
 SECTION 24, T38S-R23E
 SAN JUAN COUNTY, UTAH

SAMPLE DESCRIPTIONS

3300-5450		Due to poor sample quality, detailed 10' descriptions were not retained in this report from 3300-5450.
		BEGIN MUD UP @ 5460 - 10' SAMPLES CAUGHT BY MUDLOGGERS FROM 3300-6064
5450-5470	100%	SH orng, orng red, mnr mgybrn, plty, rthy
5470-5500	90%	SH AA
	10%	LS ltbrn, mgybrn, micxl, fxl, frm, tt Ø
		SAMPLE QUALITY IMPROVED TO MEDIUM POOR:
5500-5510	90%	SH orng, mbrn, mot gyred, plty, rthy, calc slty frm
	10%	LS m-dkgy, micxl, vfxl, hd, tt Ø, arg
5510-5520	90%	SH mgy, mbrn, orng, plty, rthy-sbwxy, calc, frm
	10%	LS tan, bf, micxl, vfxl-sl fxl gry, hd, tt Ø
5520-5550	100%	SH mbrn, dkgy, mot redgy, plty, rthy, calc ip, frm VPS
5550-5560	90%	SH mgy, blk, rthy, lmy ip, frm
	10%	LS ltgy, bf, micxl, fxl, frm, tt Ø, arg
5560-5590	90%	SH mgy, mot brn, plty-blky, rthy, lmy ip, frm-sft
	10%	LS AA
5590-5600	80%	SH AA
	20%	LS tan, bf, ltgy, micxl, fxl, hd, tt Ø, chky ip
5600-5610	100%	SH (VPS) orng, ltgy, ltgn, blk, rthy-wxy, sft IMPROVED SPL QUALITY TO FAIR:
5610-5620	60%	LS tan, crm, micxl, vfxl, hd-frm, tt Ø, fr cln mtx
	40%	SH AA
5620-5630	80%	SH mgy, orng, blk, rthy, lmy ip, sft-frm
	20%	LS ltgy, ltbrn, micxl, vfxl, frm, tt Ø, fr cln mtx
5630-5650	60%	SH mgy, motbrn, mnr dkgy, blk-plty, rthy, calc ip, frm
	40%	LS mgybrn, mic-sl crpxl, vfxl, hd, tt Ø, slarg SLIGHTLY IMPROVED SAMPLE QUALITY:
5650-5660	80%	SH dkgy, blk, orng, mbrn, plty, rthy, calc-dolic, hd
	20%	LS mbrngy, micr-crpxl, hd-dns, tt Ø, slarg
5660-5680	90%	SH AA sl sdy
	10%	LS AA UPPER ISMAY SAMPLE TOP @ 5676'
5680-5690	70%	SH AA
	30%	LS mgybrn-sldkgy, micxl-slcrpxl, mfxl, hd tt Ø, v arg, slchky ip
5690-5700	80%	LS mdkbrngy, mic-crpxl, vfxl, hd-dns, tt intxl Ø, arg, vf dism PYR

MERIDIAN OIL INC.
 #41-24 HAVASU FEDERAL
 SAMPLE DESCRIPTIONS CONTINUED

- 5690-5700 20% SH AA
 TR ANHY trnsp, xl
 TR CHT trnsl, tan
 EST. UPPER ISMAY POROSITY 5704'
- *5700-5710 60% LS tan, ltbrn, micxl, fxl-vfg, frm hd, tt bcmg fr intgran/
 intxl \emptyset w/mnr pp vug \emptyset , fr cln mtx, tr secondary calc
 growth, vltbrn even live 0 STN ip, mnr mod bri yelgn even-
 sl spec hydc FLOR, fast flash bcmg g bri ltbl strmg CUT,
 g rich yelgn HALO
 40% CAVINGS
- *5710-5720 70% LS dol, AA incr calc xl/grwth, incr SHO bcmg 0 sat
 30% CVGS AA
 ABNT KELLY BOUNCE & TORQUE, POSS FRAC
- **5720-5730 80% LS dol ltbrn, micxl, fxl-fgran, frm-slfri, fr cln-cln mtx, mnr
 calc grwth, g intxl-intgran \emptyset w/mnr intconnecting pp vug \emptyset ,
 sl pet odor, g even-sat ltbrn live 0 STN, abnt bri ltyel-
 britbl even hydc FLOR, v fast flash bcmg vg strmg bri mlky
 bl CUT, g yelgn HALO
 20% SH AA
- 5730-5740 90% LS ltgy, crm, bf, micxl, vfxl-sl-vfgran, hd fr bcmg p intxl \emptyset ,
 cln mtx, decr SHO to fr AA
 10% SH mgy, blk, rthy, calc frm
- 5740-5750 90% LS bf, ltgy, micxl, vfxl, hd, tt intxl \emptyset , cln mtx, chky ip,
 mnr ltbrn live 0 STN, mnr bri yelgn sp hydc FLOR, g fast
 strmg ltmlky bl CUT, g yelgrn HALO
 10% SH AA
- *5740-5770 90% LS vdol, ltbrn, micxl, fgran, frm-fri, g intgran \emptyset w/g intcon-
 necting vug \emptyset , mnr sec calc grwth, sl pet od, abnt ltbrn
 even live 0 STN, tr dd 0 STN, abnt bri yelgn even-sp hydc
 FLOR, tr f flash bcmg fr strmg mlky yelgn CUT, tr yelgn HALO
- 5750-5790 70% SH CVGS orng (VPS)
 30% LS AA s/ANHY w/tr ANHY blebs SHO decr ip
- 5790-5800 80% SH CVGS AA orng mgy
 20% LS tan, mic-slcpxl, hd-dns, tt intxl \emptyset , cln mtx mnr fos deb
- 5800-5810 60% SH AA
 40% LS dol ltbrn, micxl, fgran, frm-fri, cln mtx, sl fos, sl tr
 ANHY blebs, g intgran \emptyset , w/g intconnecting f vug \emptyset , abnt
 even ltbrn live 0 STN, abnt bri gnyel even-sp hydc FLOR, g
 flash bcmg g strmg-dif mlky bl CUT, g HALO
 EST. "A" SHALE TOP 5813'
- 5810-5820 70% SH blk, orng, blk, soty, hd
 30% LS AA
- 5820-5830 80% SH AA incr blk
 20% LS AA decr SHO p
 EST. LOWER ISMAY 5842'
- 5830-5850 90% AA
 10% LS m-dkbrngy, mic-crpxl, vfxl, hd-dns, tt \emptyset , arg, NFSOC
 TR ANY wh amorph-vfgran

MERIDIAN OIL INC.
 #42-24 HAVASU FEDERAL
 SAMPLE DESCRIPTIONS CONTINUED

5850-5860	ABNT CVGS (LS & SH AA) 20% ANHY wh, ltgybrn, amorph-fgran, dol ip
5860-5870	40% ANHY AA
5870-5880	90% LS tan, ltbrngy, micxl, vfxl-slgry, frm, arg, chky p intxl Ø, NSFOC 10% SH AA
5880-5890	60% LS AA 40% SH blk, blk, soty, slcalc hd EST. GOTHIC 5894'
5890-5910	90% SH blk, blk, soty, calc, hd
5910-5920	60% CVGS (VPS) 40% SH AA
5920-5930	60% SH blk, m-dkgy, blk, soty-rthy, calc, slty ip, hd 30% CVGS 10% LS dkgybrn, micxl, vfgran-fxl, hd, tt Ø, arg, NFSOC EST. DESERT CREEK 5932'
5930-5950	80% CVGS (VPS) 20% SH & LS AA EST. POROSITY 5958'
5950-5970	80% CVGS (VPS) orng, gy, brn SH 20% DOL mbrn, micxl, micsuc, hd-frm, p intgran Ø, arg mtx, mnr even dul gn yel hydc FLOR, g-fr fast mlky bl strmg CUT, g mlky bl HALO
5970-5980	ABNT SH CVGS orng brn DOL, LS & SH AA
5980-6000	60% LS (fr-g SPL QUALITY) mgy mot ltgy-tan, micxl, vfxl, frm-hd, p intxl Ø, chky ip, NSFOC 30% DOL dkgy, m-dkbrn, mic-crpxl, micsuc, hd-tt, NSFOC 10% SH blk, dkgy, blk, soty, calc, hd
6000-6010	INCR CVGS - SH, LS, & DOL AA EST. CHIMNEY ROCK 6011'
6010-6030	80% SH blk, blk, soty, calc, hd EST. AKAH 6031'
6030-6050	60% SH AA 40% DOL m-ltbrn, tan, micxl, vfgran, frm, p intgran Ø, arg mtx, NSFOC
6050-6064	70% SH AA mgy 30% DOL dkbrngy, mic-crpxl, micsuc dns, NSFOC TR ANY wh, fg PROB SALT

DRILL STEM TEST REPORT

DST # 1 Date 10/26/86 Testing Co. BAKER

WELL NAME: 41-24 HAVASU FED.

Formation: UPPER ISMAY Interval: 5684' - 5766' Wtr. Cushion NONE

Hole Size 7 7/8" Packer Size 7 7/8" Drl. Pipe Size 4 1/2 X 4 Bbls/Ft _____

Drl. Collar Size 2 1/4 X 6 1/4 Bbls/Ft _____ Drlg. Contractor AZTEC, RIG 301

Mud Filtrate: Ppm Nitrate NA Ppm Chlorides 6000-7000

	Minutes Duration		Rate
Preflow	<u>12</u>	Gas to Surf.	<u>12</u> Min; Rate _____
Initial Shutin	<u>40</u>	Fluid to Surf.	<u>NONE</u> Min; Rate _____
Flow Period	<u>NA</u>	Mud	<u>---</u> Min; Wtr <u>---</u> Min; Oil <u>---</u> Min
Final Shutin	<u>NA</u>		

Test Description: CONVENTIONAL OPEN HOLE - TEST CUT SHORT DUE TO GTS.
41 GRAVITY @ 65° - GAS/OIL RATIO 468 TO 1 - BHT 130°
(ALSO SEE ATTACHED SHEETS)

Orifice Plate Size	Temp.	Minutes from V.O.	Pressure	Rate
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Pressure Records (Field Readings) -- Bomb Depth _____ Bottom Hole Temp. _____°

Pre-Flow: IHP _____ IFP _____ FFP _____ ISIP _____; Final Flow: IFP _____ FFP _____ FSIP _____ FHP _____

Sampler Capacity 1700 Cc's; Sampler Pressure 1000 Rstv _____ Temp _____°

Cu Ft Gas 4.98 Cc's Oil 1700 Cc's Water NONE Cc's (Other) _____

Sampler Recovery (Water): Ppm Nitrate _____ Ppm Chlorides _____

Pipe Recovery: REVERSED OUT 31 BBS IN TANK, 2918' OIL & MUD EMULSION

Problems: NONE

Remarks: WATER R_w @ 65° 1.1; PIT SAMPLE R_w 1.0 @ 65°

Agent of Operator DAVID DOLYNIUK



LYNES, INC.
P.O. Box 12488
Houston, Texas 77217

DRILL STEM TESTING OPERATION REPORT

District B4764 Farmington Date 10-26 1996 Field Ticket 00791
Operator Meridian Oil
Address _____

Well Name & Number Harasu Federal DST No. 1 Net Ft. Pay 30
Contractor Artec Top Choke 1 1/4" Bottom Choke 3/4" Flow No. 1 10 Min.
Rig No. 301 Size Hole 7 7/8" Size Rat Hole - Shut-in No. 1 40 Min.
Spot _____ Casing Size & Wt. 8 5/8" Flow No. 2 - Min.
Loc. 19 Size & Wt. D. P. or Tubing 4 1/2 X H Shut-in No. 2 - Min.
Twp. 38 S Size Wt. Pipe - Flow No. 3 - Min.
Rdg. 24 E I. D. of D. C. 2 1/4" Shut-in No. 3 - Min.
Field Harasu Length of D. C. above Tool 615 Bottom Hole Temp. 130
County San Juan Total Depth 5766 Mud Weight 9.1
State Utah Interval Tested 5684 - 5766 Gravity _____
B. Elevation 5118 Interval Perforated - Viscosity 35
Formation 1st mb Type of Test Bottom Hole Core Tool Opened @ 8:55 Am

Log Run Prior to Test: Yes No
Lined Hole Size @ Top Pkr. _____ @ Bottom Pkr. _____
Did well flow gas Yes in 13 mins.
Did well flow oil No in _____ mins.
Did well flow water No in _____ mins.

BOTTOM HOLE SAMPLER

Pressure in Sampler: 1000 PSIG
Total Volume of Sampler: 2100 cc.
Total Volume of Sample: 1700 cc.
Was Sample drained? on rig floor
Volume: 1700 cc.
Water: _____ cc.
Mud: _____ cc.
Solids: 4.98 cu. ft.
Other: _____
Sample R. W.: Oil -
Gravity 41 at 65° Gas/Oil Ratio 468 to 1
Make Up Water R. W.: 1.1 at 65° 7000 ppm CL
Mud Pit Sample R. W.: 1.0 at 65° 6000 ppm CL

Bottom of Top Packer 5675
Bottom of Second Packer 5684
Top of Straddle Packer -
Top of Fourth Packer -
Length of Test Interval 82'
Test Interval: Anchor 82' Collars - DP -
Below Straddle: Anchor - Collars - DP -
Was tool plugged? NO Was anchor plugged? _____
Did straddle pkr. hold? _____ Press. below straddle _____

REMARKS:
Tight Hole
Recorder No. _____ Man Under Straddle Pkr. _____

Type	No.	Clock	Type	No.	Clock	Type	No.	Clock
K-3	24645		K-3	7861		K-3	24552	
Cap. 4450	Loc. 5670	No. 26685	Cap. 4900	Loc. 5704	No. 29193	Csp. 6625	Loc. 5744	No. 25133
Inside <u>L</u>	Outside _____	Hrs. <u>24</u>	Inside <u>L</u>	Outside _____	Hrs. <u>12</u>	Inside _____	Outside <u>L</u>	Hrs. <u>24</u>

ORDER	INGS	Type K-3 No. 24645			Type K-3 No. 7861			Type K-3 No. 24552		
		Press.	Field	Corrected	Press.	Field	Corrected	Press.	Field	Corrected
	IH	A	2721		IH	2777		IH	2797	
	FH	K	2711		FH	2757		FH	2783	
	IF-1	B	951		IF-1	1038		IF-1	1071	
	FF-1	C	959		FF-1	1042		FF-1	1077	
	IF-2	E	-		IF-2	-		IF-2	-	
	FF-2	F	-		FF-2	-		FF-2	-	
	IF-3	H	-		IF-3	-		IF-3	-	
	FF-3	I	-		FF-3	-		FF-3	-	
	SIP-1	D	2000		SIP-1	2014		SIP-1	2036	
	SIP-2	G	-		SIP-2	-		SIP-2	-	
	SIP-3	J	-		SIP-3	-		SIP-3	-	

WELLS TECHNICIAN _____ RESERVOIR ANALYSIS? _____ WELL OWNERS REPRESENTATIVE (Please Print Legibly) _____
David Dolyniuk No. Final Copies _____ Jim R



LYNES, INC.
P.O. Box 12486
Houston, Texas 77217

DRILL STEM TESTING SEQUENCE REPORT

District B4764 Farmington Date 10-26, 19 86 Field Ticket 00791
Operator Meridian Oil

Address _____

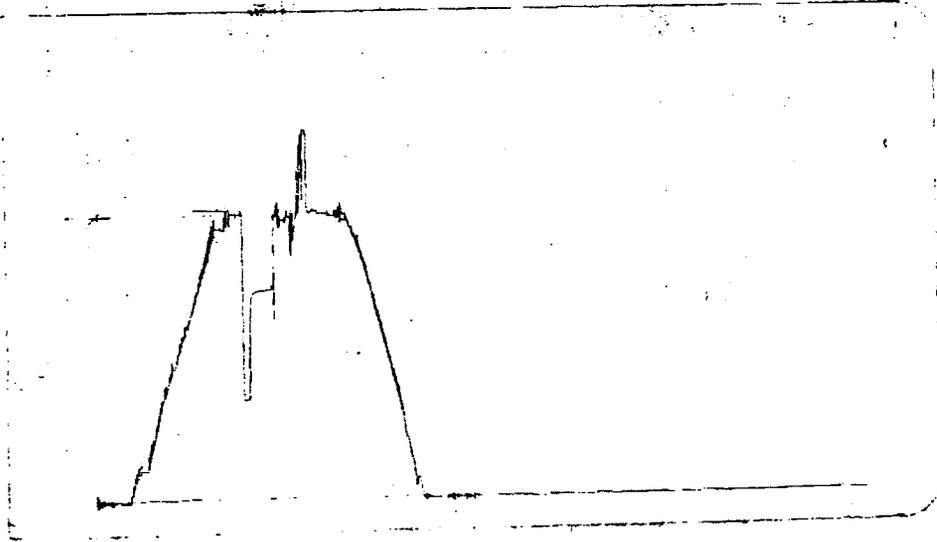
GAS MEASUREMENTS				DATE	TIME	SEQUENCE OPERATIONS
Measured with				10-25	9:00 AM	on Location
Critical well tester						
Orifice well tester				10-26	4:00	Am Pick up DST (5684-5266)
Se static					5:00	Tools in Hole
Foot tube						
Floor manifold with chokes	<input checked="" type="checkbox"/>			10/26	8:55	Tool on Bottom - opened for initial flow - Tool opened 3" Blow 1psi 3min, 15psi 4min, 40psi 5min, 120psi 7min, 150psi when Tool shut in at 10 min
Flow size						
Pressure gauge- PSI		Oz.				
TIME	PSI	CHOKE	MCF/D			
2	150	3/4				
- Gas To Surface at 2 minutes into the						
B Final Shut in -				9:05		Tool shut in - Bled pressure down - opened to flare pit. Gas to surface at 82min in Final shut in - Bled pressure to 0 psi.
				9:45		pulled packers loose - Reverse circulate -
Tight Hole				12:00		Start Trip out of hole
				2:00		Tool on Bank
31 Bbls gauged in Test tank -						

Cushion None Amount _____ Ft.
 Cushion _____ Amount _____ Ft.
 Total Fluid Recovered _____ Ft. Consisting of:
2918 Ft. of oil & mud emulsion 35.9 BBLs
 _____ Ft. of remains estimated of chert plus
 _____ Ft. of _____
 _____ Ft. of _____
 _____ Ft. of _____
Flowed Ft. of Gas Recovered in Drill Pipe
 Test was/was not reverse circulated? was reversed
 Recovery
 Top Sample R.W. oil & mud emulsion
 Middle Sample R.W. oil - 4l at 65° B
 Bottom Sample R.W. oil - 4l at 65° B

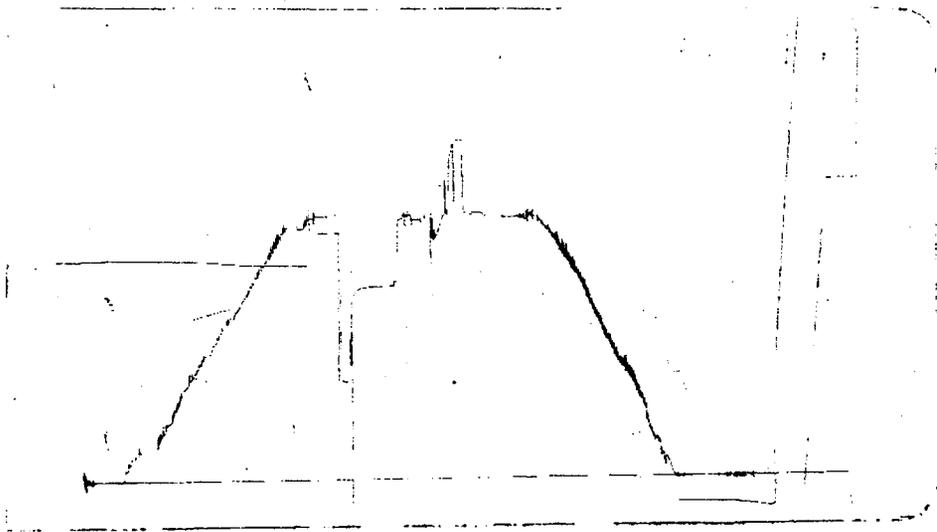
TESTING TECHNICIAN _____ RESERVOIR ANALYSIS? _____ WELL OWNERS REPRESENTATIVE (Please Print Legibly) _____

David Dolyniuk No. Final Copies _____ Jim

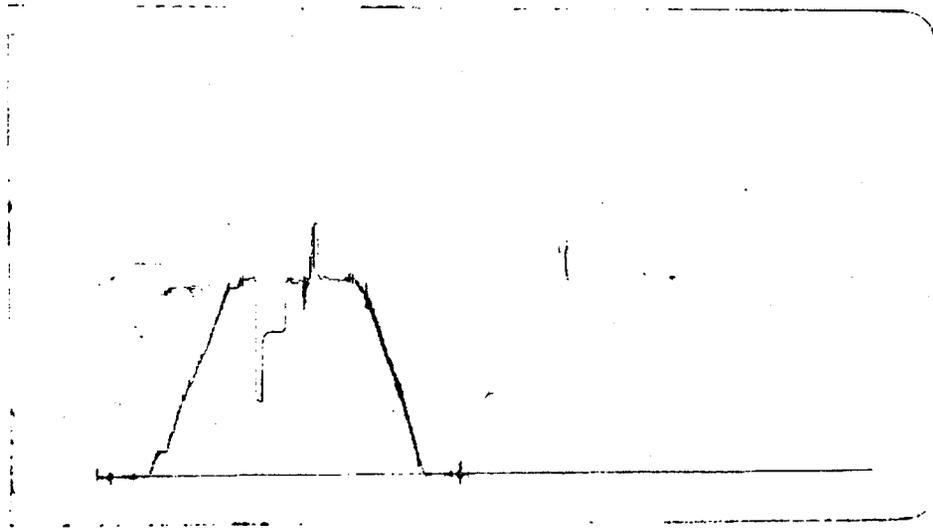
Top inside



middle inside



bottom outside





ROCKY MOUNTAIN GEO-ENGINEERING CO.

WELL LOGGING — CORE AND WATER ANALYSIS

2450 INDUSTRIAL BLVD.

PHONE 243-3044

GRAND JUNCTION, COLORADO 81501

COMPANY MERIDIAN OIL

WELL NO. 41-24 HAVASU FED.

LOCATION S24-T38S-R23E, SAN JUAN, UT

ZONE OF INTEREST NO. 1
UPPER ISMAY

INTERVAL: From 5704 To 5724

DRILL RATE: Abv 2½ m/f Thru 1½ m/f Below 2½ m/f

MUD GAS-CHROMATOGRAPH DATA

	TOTAL	C ₁	C ₂	C ₃	C ₄ (±)	C _{4(N)}	OTHER
Before	12 U	333	324	230ppm	----	----	
During	330	49995	23240	9613	1754	2344	
After	150	3333	2921	1923	291	536	

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
 None % in total sample 90 Poor Slow
 Poor Fair Mod
 Fair % in show lithology _____ Good Fast
 Good COLOR: bri ltyel-bri ltbl COLOR: bri mlky bl

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

POROSITY: Poor Fair Good Kind INTGRAN to SL INTERCONNECTING PP VUG POR

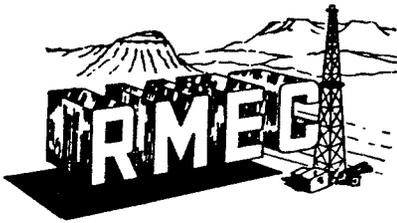
LITHOLOGY LS dol, micxl, vfg tex, frm, cln mtx, lt brn color, oil saturated

SAMPLE QUALITY FAIR

NOTIFIED C.L. CRAWLEY @ 7:30 PM HRS. DATE: 10/25/86

REMARKS RECOMMENDED TO DRILL TO 5766 & RUN DST #1

ZONE DESCRIBED BY J.H. PUDLINER & DAVE MEADE



ROCKY MOUNTAIN GEO-ENGINEERING CO.

WELL LOGGING — CORE AND WATER ANALYSIS

2450 INDUSTRIAL BLVD.

PHONE 243-3044

GRAND JUNCTION, COLORADO 81501

COMPANY MERIDIAN OIL

WELL NO. 41-24 HAVASU FED.

LOCATION S24-38S-23E, SAN JUAN, UT

ZONE OF INTEREST NO. 2
UPPER ISMAY

INTERVAL: From 5744 To 5756

DRILL RATE: Abv 2 1/2 Thru 1 m/f Below 2 1/2

MUD GAS-CHROMATOGRAPH DATA

	TOTAL	C ₁	C ₂	C ₃	C ₄ (L)	C ₄ (N)	OTHER
Before	150 U	333	2921	1923	291	781	
During	325	27775	9735	5691	902		
After	150	2889	2596	1846	429		

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
 None % in total sample 60
 Poor
 Fair % in show lithology _____
 Good COLOR: m yel gn

CUT: None Streaming _____
 Poor Slow
 Fair Mod
 Good Fast
 COLOR: mlky yel-ltblu

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

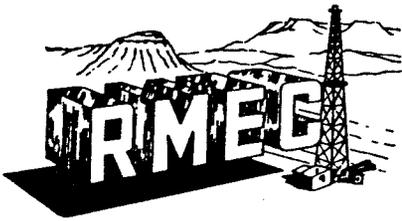
POROSITY: Poor Fair Good Kind INTERCRYSTALLINE TO SL INTERGRANULAR POR

LITHOLOGY LS dol ip, tan, buf to lt brn, microxl, vf xln to sl granular texture, firm,
fos frag SAMPLE QUALITY FAIR & IMPROVING

NOTIFIED C. L. CRAWLEY @ _____ HRS. DATE: 10/25/86

REMARKS RECOMMEND PACKER SEAT @ 5680' - MAY HAVE TO ADJUST FOR DST TOOL TO 5684'

ZONE DESCRIBED BY JOHN PUDLINER & DAVE MEADE



ROCKY MOUNTAIN GEO-ENGINEERING CO.

WELL LOGGING — CORE AND WATER ANALYSIS

2450 INDUSTRIAL BLVD.

PHONE 243-3044

GRAND JUNCTION, COLORADO 81501

COMPANY MERIDIAN OIL

WELL NO. #41-24 HAVASU FED.

LOCATION 24 - 38S - 24#, SAN JUAN CO., UTAH

ZONE OF INTEREST NO. 3

INTERVAL: From 5958 To 5968

DRILL RATE: Abv 5 m/f Thru 2½ m/f Below _____

MUD GAS-CHROMATOGRAPH DATA

	TOTAL	C ₁	C ₂	C ₃	C ₄	C ₅	OTHER
Before	50 U	1100	500	400	220		
During	190	9500	4900	2500	660		
After	150	8000	3500	1200	440		

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
 None % in total sample 20 Poor Slow
 Poor Fair Mod
 Fair % in show lithology _____ Good Fast
 Good COLOR: dul yel gn COLOR: _____

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

POROSITY: Poor Fair Good Kind INTGRANULAR

LITHOLOGY DOLOMITE mbrn, microxln, microsucrosic, hard to firm argillaceous matrix

SAMPLE QUALITY POOR

NOTIFIED C.L. CRAWLEY @ 6 PM HRS. DATE: 10/27/86

REMARKS TRIP FOR HOLE IN PIPE @ 5972' - GAS WAS NOT OUT OF SYSTEM YET

ZONE DESCRIBED BY JOHN PUDLINER

MERIDIAN OIL INC.
 #41-24 HAVASU FEDERAL
 SECTION 24, T38S-R24E
 SAN JUAN COUNTY, UTAH

FORMATION	FORMATION TOPS			SEA LEVEL DATUM
	MEASURED DEPTH	ESTIMATED SAMPLE TOP	ELECTRIC LOG TOP	
<u>HERMOSA GROUP</u>				
HONAKER TRAIL FM		4718	4710	+ 408
PARADOX FM:				
UPPER ISMAY	5696	5676	5678	- 560
TOP Ø	5616	5704	5704	- 586
"A" SHALE (HOVENWEEP)	5860	5813	5811	- 693
LOWER ISMAY	5872	5842	5839	- 721
GOTHIC	N/A	5894	5894	- 776
DESERT CREEK	5946	5932	5929	- 811
TOP Ø	N/A	5958		
CHIMNEY ROCK	6034	6008	6011	- 893
AKAH	6058	6031	6034	- 916
TOTAL DEPTH	6108	6064 6069 STRAP	6070	- 952

GEOLOGIC SUMMARY
AND
ZONES OF INTEREST

Meridian Oil Inc.'s Havasu Federal #41-24 well, located in the NE $\frac{1}{4}$ of Section 24, T38S, R23E of San Juan County, Utah, was spudded in the Morrison Formation on 18 October, 1986. On 28 October, 1986 the well was completed in the Pennsylvanian Aged Akah Cycle of the Paradox Formation. Geologic and hydrocarbon detection services were provided from 21 October through 28 October from the depth of 3300' in the Cutler Group through 6064' in the Akah.

The primary objective of the Havasu Federal 41-24 well was to penetrate an algal mud buildup and porosity development into the Upper Ismay Cycle of the Paradox Formation. Other objectives were the Lower Ismay and Desert Creek Cycles, also of the Pennsylvanian Aged Paradox Formation.

CUTLER GROUP (UNDIVIDED)(3300')

The Cutler Group consisted of interbedded sandstone, shale, siltstone and minor amounts of limestone. Limestone was pink, orange, light gray, microcrystalline, very fine crystalline, firm, displaying tight porosity and an argillaceous matrix in part. Shale was orange, orange-red, rust, salmon, brown, platy-to-blocky, earthy, silty, calcareous in part, and firm-to-soft. Sandstone was orange, cream-to-transparent in color, very fine-to-fine grained, angular-to-rounded, well sorted, poorly cemented, generally a clean-to-slightly argillaceous matrix and fair porosity. And siltstone was orange, orange-red, brown, argillaceous, sandy in part, micaceous in part, noncalcareous-to-calcareous and soft-to-firm.

No gas or hydrocarbon sample shows occurred in the Cutler Group.

HERMOSA GROUP

I. HONAKER TRAIL FM (5678')

The Honaker Trail Formation consisted of interbedded limestone and shale with a minor number of sand lenses, becoming more carbonate toward the base. The shale appeared in brown, medium to light gray, mottled brown-gray-red, blocky, earthy, calcareous, silty in part and firm-to-soft. The sandstone was light gray, light brown, transparent, very fine-to-medium grained, rounded-to-subangular, moderately-to-well sorted, unconsolidated-to-friable with poor porosity. Limestone was light-to-slightly dark gray, tan, gray-brown, micro-to-cryptocrystalline, very fine crystalline-to-slightly grainy, firm-to-hard, generally tight porosity and a clean-to-argillaceous matrix.

Gas increases associated with the Honaker Trail occurred from 5410'-5460' and 5610'-5675'. However there were no sample shows associated with the gas increases.

II. PARADOX FM (5678' - 6064')

UPPER ISMAY CYCLE (5678' - 5811')

The Upper Ismay contained predominantly dolomitic limestone that was capped with anhydrite and underlaid with the "A" shale. Limestone was light brown, tan-to-light gray, brown, micro-to-slightly cryptocrystalline, very fine crystalline-to-fine granular, friable-to-hard, dolomitic and good intercrystalline-to-intergranular porosity. The anhydrite was white, crystalline and firm.

Excellent sample and gas shows occurred throughout the Upper Ismay. For more detailed information see the lithologic descriptions within this report, intervals 5680'-5810', and the mud log.

"A" SHALE (HOVENWEEP) (5811' - 5839')

The Hovenweep Shale was black, medium-to-dark gray, blocky-to-platy, dolomitic-to-silty, calcareous, carbonaceous and firm-to-hard. Due to a large trip gas increase from DST #1, no gas increase was noted. A subtle decrease did occur.

LOWER ISMAY CYCLE (5839' - 5894')

The Lower Ismay consisted of an anhydritic at the top of the cycle and limestone at its base. The anhydrite was white, light gray, translucent, crystalline-to-amorphous and soft-to-firm. Limestone was tan, light brown, light gray-brown, microcrystalline-to-slightly grainy, firm, argillaceous, chalky in part and displayed poor porosity.

A subtle gas increase occurred when penetrating the carbonate interval of the cycle; however no sample show was noted during the interval 5864'-5885'.

GOTHIC SHALE (5894' - 5929')

The Gothic Shale was black, blocky, sooty-to-earthy, calcareous, silty in part (dolomitic) and hard. Upon drilling there was a gradual increase of all gases noted.

DESERT CREEK CYCLE (5929' - 6011')

The Desert Creek was composed of anhydrite, limestone and dolomite. The anhydrite was white, amorphous-to-fine granular and soft-to-firm. The dolomite was gray-brown, tan, microcrystalline, fine crystalline, limy in part, argillaceous, dense and showed poor porosity. The limestone was buff-to-tan, medium gray-brown, micro-to-crystalline, hard, displayed slight porosity, and are anhydritic, dolomitic and argillaceous.

Hydrocarbon shows occurred throughout the interval. For further details please see mud log and lithology descriptions from 5929'-6011' within this report.

CHIMNEY ROCK SHALE (6011' - 6034')

The Chimney Rock Shale was black, dark gray, blocky-to-platy, sooty, dolomitic, calcareous, carbonaceous and soft-to-hard.

An increase in all gases occurred during the drilling of this interval.

AKAH CYCLE (6034' - 6064')

The Akah was a dolomitic anhydrite and salt. The salt, not observed in samples, was chosen by penetration rate. Dolomite was medium-to-light gray-brown, micro-to-cryptocrystalline, microsucrosic, dense, argillaceous and had tight porosity. Anhydrite was white, fine grained and firm. From 6042'-6048' a weak hydrocarbon sample show was noted in association with a gas increase.

TRANSMITTAL LETTER
RECORD OF SHIPMENT OF CONFIDENTIAL INFORMATION

CONFIDENTIAL

TO: Utah Dept. of Natural Resources
Division of Oil, Gas and Mining
4241 State Office Building
Salt Lake City, UT 84114
Attn: Mr. Ron Firth

FROM: C. L. Crawley
Name
Sr. Staff Geologist
Title
DATE: December 2, 1986
VIA: Mail

RE: All information pertains to the Havasu Federal 41-24, San Juan Co.,
Utah, 24-38S-23E API 43-037-31279.

QUANTITY	DESCRIPTION
1	Dual Laterolog - Micro SFL / Run #1
1	Stratigraphic Dipmeter / Run #1
1	Borehole Compensated Sonic / Run #1
1	Formation Density-Compensated Neutron / Run #1
1	Baker Services DST Report
1	Rocky Mountain Geo-Engineering Mud Log and Report
1	Directional Survey

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

RECEIVED BY: _____ DATE: _____

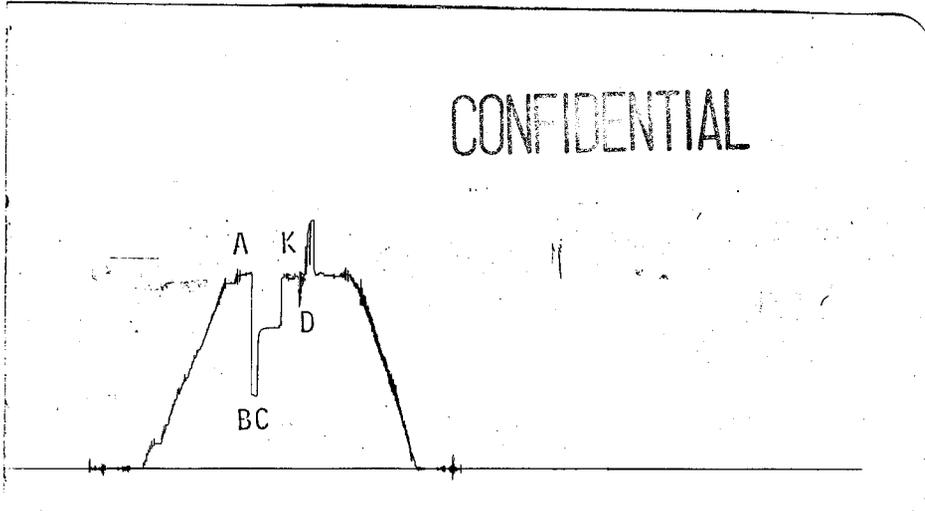
REMARKS : All information pertains to the Havasu Federal 41-24, San Juan Co.,
Utah, 24-38S-23E API 43-037-31279.

Contractor <u>Aztec</u>	Top Choke <u>1/4"</u>	Flow No. 1 <u>10</u> Min.
Rig No. <u>301</u>	Bottom Choke <u>3/4"</u>	Shut-in No. 1 <u>40</u> Min.
Spot <u>--</u>	Size Hole <u>7 7/8"</u>	Flow No. 2 <u>--</u> Min.
Sec. <u>24</u>	Size Rat Hole <u>--</u>	Shut-in No. 2 <u>--</u> Min.
Twp. <u>38S</u>	Size & Wt. D. P. <u>4 1/2" XH</u>	Flow No. 3 <u>--</u> Min.
Rng. <u>23E</u>	Size Wt. Pipe <u>--</u>	Shut-in No. 3 <u>--</u> Min.
Field <u>Harasu</u>	I. D. of D. C. <u>2 1/4"</u>	Bottom Hole Temp. <u>130°F</u>
County <u>San Juan</u>	Length of D. C. <u>615 ft</u>	Mud Weight <u>9.1</u>
State <u>Utah</u>	Total Depth <u>5766 ft</u>	Gravity <u>--</u>
Elevation <u>5118 ft</u>	Interval Tested <u>5684-5766 ft</u>	Viscosity <u>35</u>
Formation <u>Istamh</u>	Type of Test <u>Bottom Hole Conventional</u>	Tool opened @ <u>8:55 am</u>

Operator Meridian Oil, Inc.
 Address 5613 DTC Parkway
Englewood, CO 80111

Well Name and No. Havash Federal #41-24
 Ticket No. 00791

Date 10-26-86
 DST No. 1
 No. Final Copies 10



Outside Recorder

PRD Make <u>Kuster K-3</u>	
No. <u>24552</u> Cap. <u>6625 @ 5744'</u>	
Press	Corrected
Initial Hydrostatic A	2789
Final Hydrostatic K	2778
Initial Flow B	1066
Final Initial Flow C	1044
Initial Shut-in D	2036
Second Initial Flow E	--
Second Final Flow F	--
Second Shut-in G	--
Third Initial Flow H	--
Third Final Flow I	--
Third Shut-in J	--

Lynes Dist. Farmington, NM
 Our Tester: David Dolyniuk
 Witnessed By: Jim Ritter

Did Well Flow - Gas Yes Oil Yes Water No Test was reverse circulated

RECOVERY IN PIPE: 2918 ft. Oil & mud emulsion = 47.00 bbls.

Blow Description:
 1st flow: Tool opened with a 3" blow increased to 150 psi at the end of the flow.

Comments: The test results indicate a mechanically successful test. The flow and shut-in curves suggests high permeability within the zone tested.

CONFIDENTIAL

Location: 24-38S-23E
 Test Type: BOTTOM HOLE CONVENTIONAL
 Formation: ISTAMH

Recorder Number: 24552
 Recorder Depth: 5744 ft.

TIME-PRESSURE LISTING

CHART LABEL	COMMENTS	TIME MIN.	DELTA P psi	PRESSURE (T+dt)/dt psi	PRESSURE SQUARED psi ² /10 ⁶
A	INITIAL HYDROSTATIC	0.00		2789.0	
B	START OF 1st FLOW	0.00		1066.0	
C	END OF 1st FLOW	10.00		1044.0	
	1st SHUTIN PERIOD	0.00	0.0	1044.0	0.0000
		1.00	871.0	1915.0	11.0000
		2.00	937.0	1981.0	6.0000
		3.00	956.0	2000.0	4.3333
		4.00	970.0	2014.0	3.5000
		5.00	978.0	2022.0	3.0000
		6.00	984.0	2028.0	2.6667*
		7.00	986.0	2030.0	2.4286*
		8.00	989.0	2033.0	2.2500*
		9.00	989.0	2033.0	2.1111*
		10.00	989.0	2033.0	2.0000*
		15.00	992.0	2036.0	1.6667*
		20.00	992.0	2036.0	1.5000*
		25.00	992.0	2036.0	1.4000*
		30.00	992.0	2036.0	1.3333*
		35.00	992.0	2036.0	1.2857*
D	END OF 1st SHUTIN	40.00	992.0	2036.0	1.2500*
Q	FINAL HYDROSTATIC	0.00		2778.0	

* VALUES USED FOR EXTRAPOLATIONS

1st SHUT-IN:
 HORNER EXTRAPOLATION 2040.14 PSI
 HORNER SLOPE 25.67 psi/cycle

OPERATOR: MERIDIAN OIL INC.
WELL NAME: HAVASU FEDERAL #41-24

LOCATION: 24-38S-23E

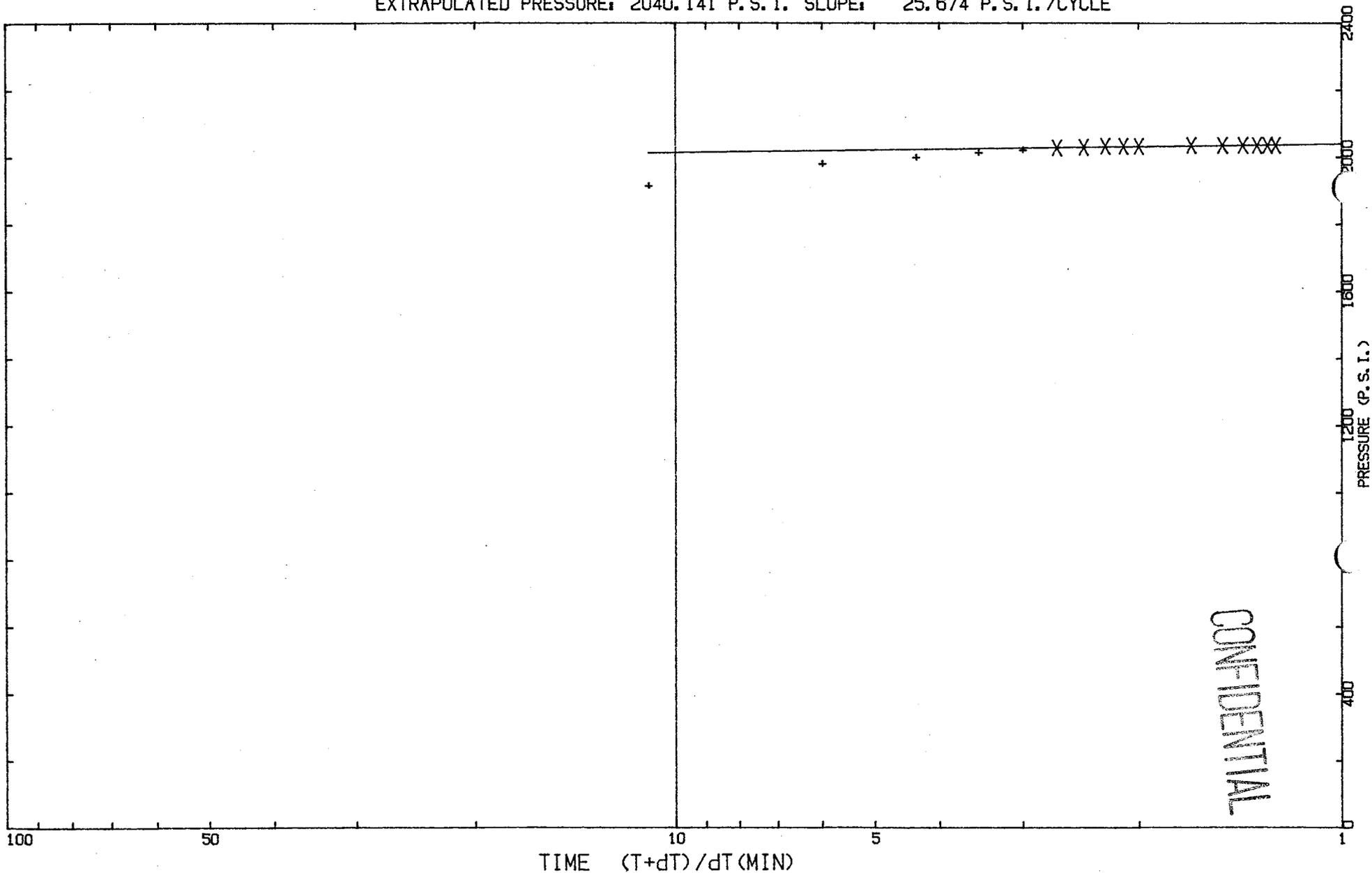
DST #: 1

FIRST SHUT-IN

RECORDER: 24552

DEPTH: 5744 ft.

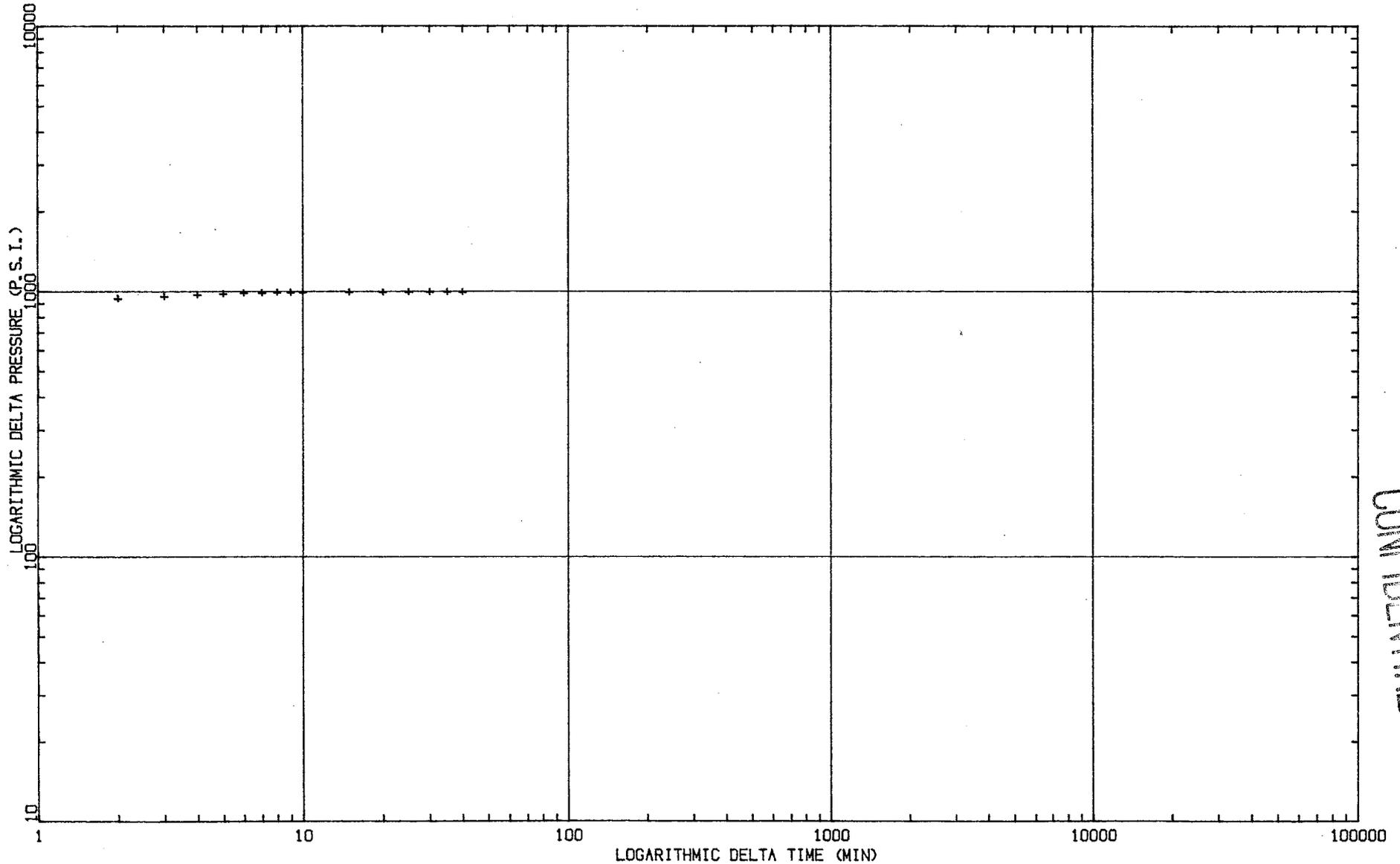
EXTRAPOLATED PRESSURE: 2040.141 P. S. I. SLOPE: 25.674 P. S. I. /CYCLE



OPERATOR: MERIDIAN OIL INC.
WELL NAME: HAVASU FEDERAL #41-24
LOCATION: 24-38S-23E
FIRST SHUT-IN
RECORDER: 24552

DST #: 1

DEPTH: 5744 ft.



CONFIDENTIAL

Location: 24-38S-23E
Test Type: BOTTOM HOLE CONVENTIONAL
Formation: ISTAMH

Recorder Number: 24552
Recorder Depth: 5744

SAMPLE DATA

CONFIDENTIAL

SAMPLE CHAMBER:

Capacity of sample chamber	2100	cc
Volume of sample.....	1700	cc
Pressure in sampler.....	1000	psig
Where sampler was drained...	on location	

Sampler contained:

Oil	1700	cc	41 @	13 Degrees F
Gas	4.98	cu-ft		
GOR	468.71			

RESISTIVITY DATA:

Top.....	OIL & EMULSION
Middle.....	1500 PPM NACL
Bottom.....	1500 PPM NACL
Sampler.....	OIL
Mud pit.....	6500 PPM NACL
Make-up Water...	5500 PPM NACL

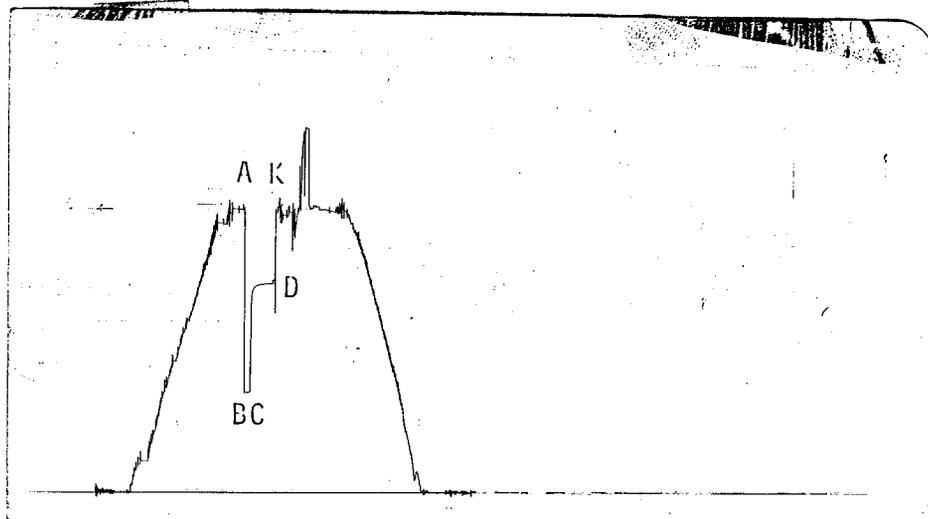
#: 1
HAVASU FEDERAL #41-24
5684 - 5766ft.

PRESSURE RECORDER NUMBER : 24645

DEPTH : 5670.00ft. LOCATION : INSIDE
TYPE : K-3 CAPACITY : 4450.00psi

CONFIDENTIAL

PRESSURE
psi
A)Initial Hydro : 2743.0
B)1st Flow Start: 974.0
C)1st Flow End : 967.0
D)END 1st Shutin: 2013.0
Q)Final Hydro. : 2727.0

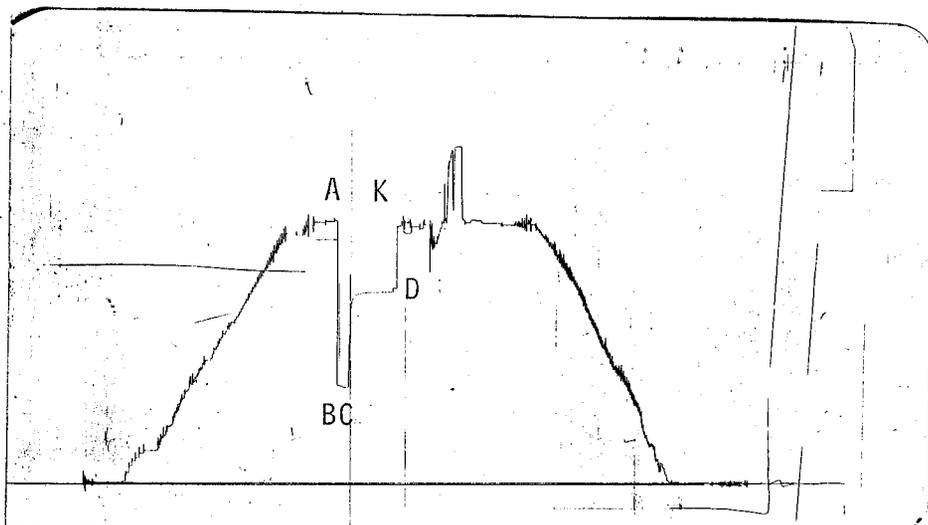


TEST TIMES(MIN)
1st FLOW : 10
SHUTIN: 40

PRESSURE RECORDER NUMBER : 7661

DEPTH : 5704.00ft. LOCATION : INSIDE
TYPE : K-3 CAPACITY : 4900.00psi

PRESSURE
psi
A)Initial Hydro : 2775.0
B)1st Flow Start: 1043.0
C)1st Flow End : 1027.0
D)END 1st Shutin: 2025.0
Q)Final Hydro. : 2775.0



MERIDIAN OIL

December 2, 1986

RECEIVED
DEC 05 1986

**DIVISION OF
OIL, GAS & MINING**

Utah Department of Natural Resources
Division of Oil, Gas and Mining
4241 State Office Building
Salt Lake City, UT 84114

Attn: Mr. Ron Firth

Gentlemen:

Enclosed for your records are logs and other pertinent information on the following Meridian Oil Inc. wells:

Havasu Federal 41-24
San Juan County, Utah
24-38S-23E
API # 43-037-31279

Havasu Federal 22-19
San Juan County, Utah
19-38S-24E
API # 43-037-31278

Navajo Federal 42-5
San Juan County, Utah
5-39S-25E
API # 43-037-31261

Please hold this information confidential. If any additional information is required, please do not hesitate to contact us.

Regards,



Polly Eggemeyer
Exploration Secretary

pse

cc: Well File
C. L. Crawley

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
UTAH STATE OFFICE

3046
REC'D 1100 110 10 1984

OIL OR HAZARDOUS SUBSTANCE DISCHARGE

020822

1. Investigation Number _____ Date of Spill 7-24-88 Time _____ (Military)
Spill Notification: By Bob and ALLEN ROY Date 7-26-88 Time 1030AM
Investigators NONE YET
Investigation Date _____ Time _____ Investigation time (man/hrs) _____
EPA Notification NA State Division of Health Notification NA

2. Place of spill T3RS R33E Sec 24- Horsew Field ALKALI CANYON
Legal Description _____
County SAN JUAN COUNTY Nearest Town BLANDING UT.
Did spill enter a waterway? NO If so, name _____ class _____
Extent of spill 40 BARRELS CRUDE
Type of spill (Region VIII Contingency Plan Definitions) major _____ medium _____
minor X
Responsible Pollutor MERIDIAN Address BILLINGS MONTANA
Contact Person (if known) BILL BROWN Phone Number 406 256 4121

Type of Operation - check one:

Pipeline	_____	Tank Battery	<u>X</u>
Drilling	_____	Transportation	_____
Refinery	_____	List Vehicle	_____
Other	_____		

Type of Oil or Product and Amount:

Gasoline	_____	Crude	<u>X</u>
Kerosene	_____	Other	_____

Cause of spill STUCK TREATER DAM - ALLOWED OIL TO FLOW INTO FLARE PIT WHERE IT WAS BURNED UP.

3. Draw a simple map showing permanent landmarks and extent of spill on the reverse side of this page.

4. Cleanup Operations: Date of Cleanup Completion _____ Time _____

Methods - check those which apply:

Burning	<u>X</u>	Absorption	_____
Skimming	_____	Burial	_____
Pumping	_____	Other (explain)	_____

Brief summary of cleanup operation (problem, etc.)
There was not be much need for clean up since oil was restricted to flare pit and was burned up.

5. Remarks
Will follow up on this when more power is available.

385

23E

Sec. 24

43-037-31279 POW 41-24

43-037-31295 Pl. 11-24 (Cont.)

43-037-31298 POW 42-24

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 plug work to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.
U-20895 POW/15MY

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A 030202

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
Havasu-Federal

9. WELL NO.
41-24

10. FIELD AND POOL, OR WILDCAT
Kachina

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 24-38S-23E

12. COUNTY OR PARISH 13. STATE
San Juan Utah

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
NENE (1050' FNL - 500' FEL)

14. PERMIT NO.
43-037-31279

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5118' KB

Div:
OIL, GAS & ...

FEB 24 1988

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 ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>First Gas Sales</u>	<input checked="" type="checkbox"/>
(Other) <input 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.)*

Notice of First Gas Sales - February 18, 1988.

I hereby certify that the foregoing is true and correct

SIGNED W. G. Brown TITLE Production Superintendent DATE 2/22/88

(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 TRIPPLICATE*
(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.)

5. LEASE DESIGNATION AND SERIAL NO.
U-20895

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

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
Havasu-Federal

9. WELL NO.
41-24 and 42-24

10. FIELD AND POOL, OR WILDCAT
Kachina

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 24-38S-23E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

RECEIVED
APR 13 1988

DIVISION OF
OIL, GAS & MINING

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
NENE (1050' FNL - 500' FEL)

14. PERMIT NO.
43-037/31279/31298

15. ELEVATIONS (Show whether DP, RT, GR, etc.)
5118' KB

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>NTL-2B</u>	<input checked="" type="checkbox"/>
(Other) <input 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.)

- Production Facility:
- A. Operator: Meridian Oil Inc.
 - B. Well Names: 41-24 and 42-24
 - C. Location: NENE Section 24-38S-23E
San Juan County, Utah
 - D. Lease/CA No.: U-20895
 - E. Produced Water: 4 BWPD (120 BWPM) Battery production.
 - F. Water Analysis: Enclosed
 - G. Produced water stored in tank until trucked.

- Disposal Facility:
- A. Operator: Hay Hot Oil
 - B. Name: Disposal Pit
 - C. Location: SESE Section 14-40S-22E
 - D. Hauler: Hay Hot Oil Inc.

I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE Production Superintendent DATE 4/11/88

(This space for Federal or State office use)

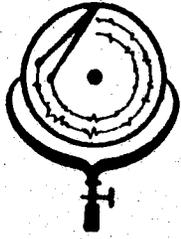
APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: _____

*See Instructions on Reverse Side

RECEIVED
APR 13 1988

Precision Service, Inc.



BOX 3659 Ph. 307/237-9327
CASPER, WYOMING

BOX 1596 Ph. 701/225-6021
DICKINSON, NORTH DAKOTA

DIVISION OF
OIL, GAS & MINING

WATER ANALYSIS REPORT

OPERATOR Meridian Oil Co. DATE 11/25/86 LAB NO. 3137-5
 WELL NO. #41-24 LOCATION _____
 FIELD Kiva FORMATION _____
 COUNTY San Juan INTERVAL _____
 STATE Utah SAMPLE FROM _____

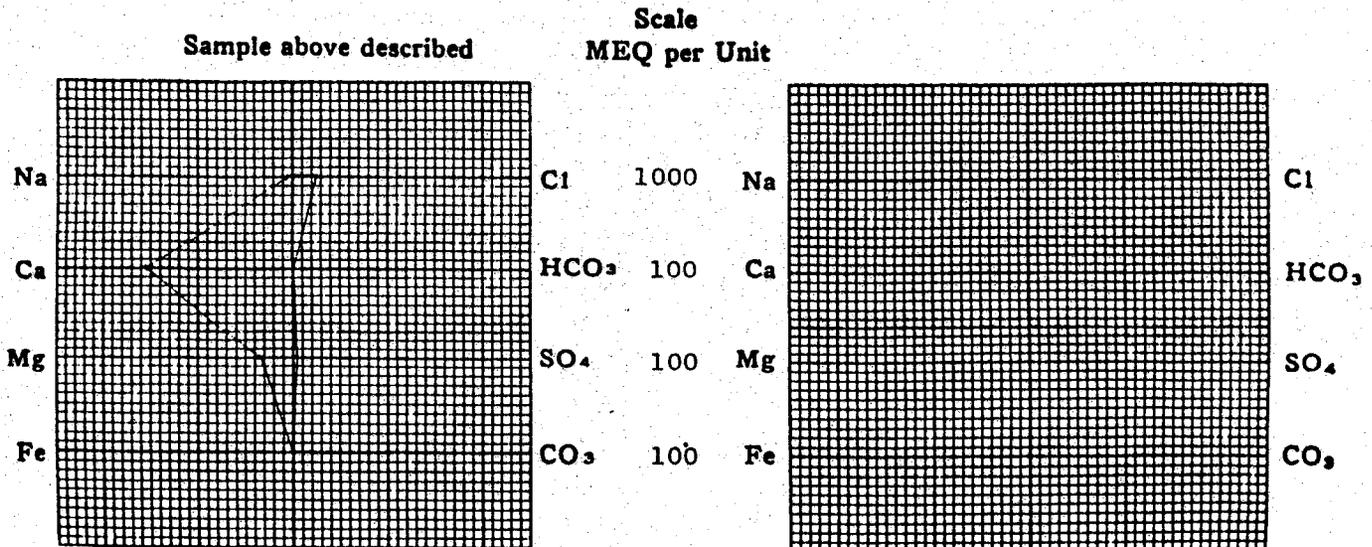
REMARKS & CONCLUSIONS: Yellow brown water, oil on top, Yellow brown filtrate.

Cations			Anions		
	mg/l	meq/l		mg/l	meq/l
Sodium . . . (Calc)	14,274	620.90	Sulfate	1,164	24.21
Potassium	--	--	Chloride	89,180	2514.88
Lithium	--	--	Carbonate	0	--
Calcium	31,262	1559.97	Bicarbonate	171	2.80
Magnesium	4,392	361.02	Hydroxide		
Iron	present	--	Hydrogen sulfide	--	--
Total Cations		2541.89	Total Anions		2541.89

Total dissolved solids, mg/l 140,443 Specific resistance @ 68°F.:
 NaCl equivalent, mg/l 142,565 Observed 0.076 ohm-meters
 Observed pH 5.80 Calculated 0.069 ohm-meters

Observed R.W. in error due to Iron & Magnesium content.

WATER ANALYSIS PATTERN



(Na value in above graphs includes Na, K, and Li)
 NOTE: Mg/l=Milligrams per liter Meq/l= Milligram equivalents per liter
 Sodium chloride equivalent=by Dunlap & Hawthorne calculation from components

UNICHEM INTERNATIONAL
 707 NORTH LEECH P.O. BOX 1499
 HOBBS, NEW MEXICO 88240

RECEIVED
 APR 13 1988

DIVISION OF
 OIL, GAS & MINING

COMPANY : MERIDIAN OIL & GAS
 DATE : 03-26-87
 FIELD, LEASE & WELL : HAVASU
 SAMPLING POINT : #42-24; SEPARATOR
 DATE SAMPLED : 03-20-87

SPECIFIC GRAVITY = 1.07
 TOTAL DISSOLVED SOLIDS = 107146
 PH = 4.3

		ME/L	MG/L
CATIONS			
CALCIUM	(CA)+2	556	11142.
MAGNESIUM	(MG)+2	232	2820.
SODIUM	(NA), CALC.	1134.	26079.
ANIONS			
BICARBONATE	(HCO3)-1	0	0
CARBONATE	(CO3)-2	0	0
HYDROXIDE	(OH)-1	0	0
SULFATE	(SO4)-2	22.3	1075
CHLORIDES	(CL)-1	1900	66000
DISSOLVED GASES			
CARBON DIOXIDE	(CO2)	NOT RUN	
HYDROGEN SULFIDE	(H2S)	NOT RUN	
OXYGEN	(O2)	NOT RUN	
IRON(TOTAL)	(FE)		303
BARIUM	(BA)+2	.43	29.6
MANGANESE	(MN)	NOT RUN	

IONIC STRENGTH (MOLAL) = 2.483

	SCALING INDEX	TEMP	
		30C	48.8C
		86F	120F
CARBONATE INDEX	-3.4		-2.9
CALCIUM CARBONATE SCALING	UNLIKELY		UNLIKELY
CALCIUM SULFATE INDEX	1.23		1.04
CALCIUM SULFATE SCALING	LIKELY		LIKELY

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

SUBMIT IN TRIPLICATE
(Other copies to be submitted to the Bureau or the State Office)

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.)

MAY 2 1988

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-20895	
2. NAME OF OPERATOR MERIDIAN OIL INC.		6. IF THE WELL IS AN 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 (1050' FNL - 500' FEL)		8. FARM OR LEASE NAME Havasu-Federal	
14. PERMIT NO. 43-037-31279/31298		9. WELL NO. 41-24 and 42-24	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5118' KB		10. FIELD AND POOL, OR WILDCAT Kachina	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR ARBA SEC 04, T 38S, R 03E	
		12. COUNTY OR PARISH San Juan	13. STATE Utah

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) <input type="checkbox"/>	NTL-4A <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.)

Permission to flare gas on an emergency basis, is requested for the above named facility. All gas is being sold to Western Gas Processors at the present time, with no flaring of gas. Approval of this request would cover unforeseen instances of high line pressure or equipment malfunction. A 72 hr time period is suggested.

18. I hereby certify that the foregoing is true and correct
SIGNED W. H. Blawie TITLE Production Superintendent DATE 4/27/88

(This space for Federal or State office use)

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

*See Instructions on Reverse Side



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

June 6, 1988

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

Gentlemen:

Re: Request for Gas Venting or Flaring Approval

The Division of Oil, Gas And Mining has received several sundry notices requesting standing approval for emergency gas venting or flaring for the following wells in San Juan County:

Havasu Federal #22-19, Sec. 19, T. 38S, R. 24E
Havasu Federal #41-24, Sec. 24, T. 38S, R. ~~24E~~ 23E
Havasu Federal #42-24, Sec. 24, T. 38S, R. 24E
Cherokee Federal #11-14, Sec. 14, T. 37S, R. 23E
Cherokee Federal #22-14, Sec. 14, T. 37S, R. 23E
Cherokee Federal #33-14, Sec. 14, T. 37S, R. 23E
Cherokee Federal #43-14, Sec. 14, T. 37S, R. 23E

Your request was reviewed with Board of Oil, Gas and Mining during the informal briefing session of their May 26, 1988 Board meeting.

The Board determined that your request for standing approval to vent or flare gas from the subject wells on an emergency basis shall not be granted. It was the opinion of the Board that in cases of emergency venting or flaring, you must immediately notify the Division and properly report the volumes and duration of any such venting or flaring. The Division shall review all emergency venting or flaring of gas to ensure that such action is unavoidable and adheres to principles of proper conservation.

In this situation, the Board has granted the Division administrative authority to allow gas venting or flaring from the subject wells for verifiable emergencies. If, in the opinion of the Division staff, any reported venting or flaring is not justified, the Division will inform the Board and further action may be taken in accordance with the rules and orders of the Board.

Page 2
Meridian Oil Inc.
June 6, 1988

The factors which the Division may consider in reviewing emergency gas venting or flaring are:

1. The disruption of gas transportation and the reasons for such disruption.
2. The ability of Meridian to restrict production as long as correlative rights are protected and without causing waste.
3. The potential for any other conservation oriented alternative to gas venting or flaring.

If you have any further questions concerning this action, please contact John Baza at the letterhead address and telephone number. Thank you for your consideration in this matter.

Best regards,



Dianne R. Nielson
Director

JRB
cc: R. J. Firth
Well files
0458T-50-51

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.)

RECEIVED
AUG 15 1988

5. LEASE DESIGNATION AND SERIAL NO.
U-20895

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

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Havasu-Federal

9. WELL NO.
41-24

10. FIELD AND POOL, OR WILDCAT
Kachina

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 24, T38S, R23E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

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
NENE (1050' FNL - 500' FEL)

14. PERMIT NO.
43-037-31279

15. ELEVATIONS (Show whether DV, RT, OR, etc.)
5130' 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 <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) <input type="checkbox"/>	(Other) <input type="checkbox"/>
(Other) Shut Well In <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.)*

Well will be shut in effective August 8, 1988 awaiting completion of waterflood facilities. Tentative date of return to production December 1, 1988.

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

SIGNED W. J. Brance TITLE Production Superintendent DATE 8/5/88

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

BLM (3), UOGC (3)

*See Instructions on Reverse Side

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

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.)

5. LEASE DESIGNATION & SERIAL NO.

U 20895

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

UNIT AGREEMENT NAME

Kachina

FARM OR LEASE NAME

Havasu Federal

9. WELL NO.

41-24

10. FIELD AND POOL, OR WILDCAT

Kachina

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

Sec. 24-38S-23E

12. COUNTY

San Juan

13. STATE

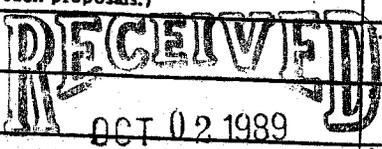
UT

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Meridian Oil Inc.

3. ADDRESS OF OPERATOR
1601 Lewis, Ste. 208, Billings, MT 59102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface 1050' FNL 500' FEL NENE
At proposed prod. zone



DIVISION OF
OIL, GAS & MINING

14. API NO.
43-037-31279

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5130' KB

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)
FULL OR ALTER CASING
MULTIPLE COMPLETE
ABANDON
CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF
FRACTURE TREATMENT
SHOOTING OR ACIDIZING
(Other) Notice of Flaring
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
REPAIRING WELL
ALTERING CASING
ABANDONMENT*

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.

El Paso Plant was down for mechanical problems, causing Western Gas Processors' plant to go down. 2002 MCF was flared from the 41-24.

Verbal approval to flare was obtained from both the State of Utah and the BLM on Monday, September 25th.

Western's Gas Plant was back in operation at 0800 on 9/28/89.

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

SIGNED [Signature] TITLE Production Superintendent

DATE 9/29/89

(This space for Federal or State office use)

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

FORM 3160-5
December 1989

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals

1. Type of Well Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>	5. Lease Designation and Serial No. U-20895
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) 930-9300	7. If Unit or CA, Agreement Designation N/A
4. Location of Well (Footage, Sec., T.R.M. or Survey Description) NENE (1050' FNL - 500' FEL) Sec. 24, T38S-R23E	8. Well Name and No. Havasu Federal 41-24
	9. API Well No. 47-037-31279
	10. Field and Pool, or Exploratory Area Kachina
	11. County or Parish, State San Juan/Utah

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Recompletion
	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Clean Out, Selectively Acidize Perfs, Scale Inhibitor Squeeze, Matrix Acidize</u>

(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.)*

(3/3/92 to 3/8/92:) Well was cleaned out, reperfed, acidized and returned to production.

- Cleaned out casing w/bit and scraper to 5961'.
- RIH w/SAP tool. Breakdown zone 5707-5808' in 2' intervals w/1675 gals 90-10 DAD acid 25 gal/ft. Swab zone.
- RIH w/Retrievamatic. Acidize zone 5707-5808 thru pkr at 5647' w/3360 gals 90-10 DAD acid, 5040 gals LCA 3900 gals 70 Quality Foam, 4700 gals 50% Quality, 275 gals Scale Inhibitor. Swab zone 5705-5808' thru packer. TIH w/production tbg. Return well to production 3/8/92.

REGISTERED
APR 02 1992

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

SIGNED *[Signature]*

Title: Supervising Prod. Eng'r

DIVISION OF
OIL GAS & MINING
Date 3/3/92

(This space for Federal or State office use)

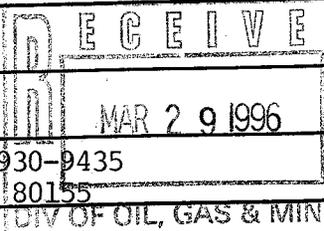
Approved by _____
Condition of Approval, If any:

Title _____ Date _____

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

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.



5. Lease Designation and Serial Number:
U-20895

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

7. Unit Agreement Name:
N/A

8. Well Name and Number:
Hayasu Fed. 41-24

9. API Well Number:
43-037-31279

10. Field and Pool, or Wildcat:
Kachina

1. Type of Well: OIL GAS OTHER: _____

2. Name of Operator:
Meridian Oil, Inc.

3. Address and Telephone Number:
5613 DTC Parkway, Ste. 1000, Englewood, CO 80155 (303) 930-9435

4. Location of Well
Footages: 1050' FNL, 500' FEL
QQ, Sec., T., R., M.: NENE Sec. 24-T38S-R23E

County: San Juan
State: Utah

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

NOTICE OF INTENT
(Submit in Duplicate)

Abandon
 Repair Casing
 Change of Plans
 Convert to Injection
 Fracture Treat or Acidize
 Multiple Completion
 Other _____

New Construction
 Pull or Alter Casing
 Recomplete
 Reperforate
 Vent or Flare
 Water Shut-Off

Approximate date work will start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

Abandon *
 Repair Casing
 Change of Plans
 Convert to Injection
 Fracture Treat or Acidize
 Other Convert to ESP

New Construction
 Pull or Alter Casing
 Reperforate
 Vent or Flare
 Water Shut-Off

Date of work completion 8/7/94

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.)

MIRU service unit 8/6/94. POOH with rods and pump. ND wellhead, NU BOP's. TOOH with tubing. Ran in hole with ODI-electric submersible pump hydrotesting to 6000 psi. ND BOP's and NU wellhead. RD service unit 8/7/94.

13. Name & Signature: Brooke S. Bell Title: Sr. Reg. Compl. Rep. Date: 3/27/96

(This space for State use only)

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

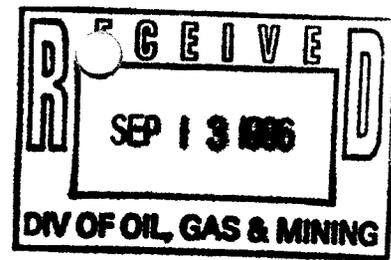
AMENDED REPORT (Highlight Changes)

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	Kechine Unit		
✓ HAVASU-FEDERAL #41-24	4303731279	10654	38S 23E 24	NENE ISMY	✓		U20895	Kechine 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
~~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,

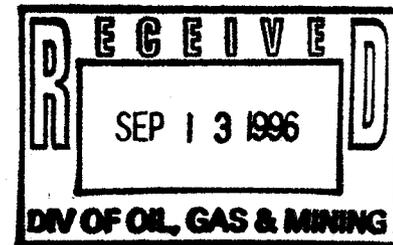
BURLINGTON RESOURCES OIL & GAS CO.

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

Eileen Danni Dey
Senior Regulatory Compliance Representative

Enclosure

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

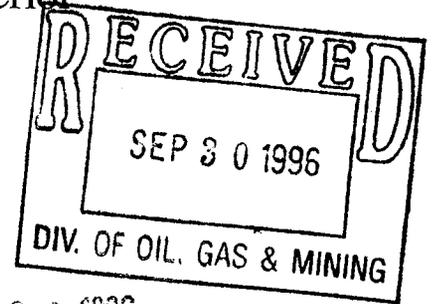




United States Department of the Interior

BUREAU OF LAND MANAGEMENT

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



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)

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

Routing:	
1-LEC ✓	6-UK ✓
2-GL ✓	7-KDR ✓
3-DPS ✓	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: **SEE ATTACHED**	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

- Yes 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)*
- Yes 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)*
- Yes 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)*
- Yes 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.
- Yes 5. Changes have been entered in the Oil and Gas Information System (3270) for each well listed above. *(i. MIC Program)*
(10-3-96)
- Yes 6. Cardex file has been updated for each well listed above. *(10-3-96)*
- Yes 7. Well file labels have been updated for each well listed above. *(10-3-96)*
- Yes 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)*
- Yes 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

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)
✓ INDIAN CREEK #1 4301530082 02585 17S 06E 2	FRSD			ML 27626		
✓ INDIAN CREEK 10176-5 4301530117 02585 17S 06E 10	FRSD			U-15203		
✓ INDIAN CREEK UNIT 021762-3 4301530175 02585 17S 06E 2	FRSD			U-15204		
✓ 13-35 EMU HRE FEDERAL 4301530230 02585 16S 06E 35	FRSD			U-56933		
✓ E MOUNTAIN UNIT 32-23 4301530231 02585 16S 06E 23	FRSD			U-17024		
✓ HATCH POINT #27-1A 4303730518 02815 27S 21E 27	CNCR			U-20016		
✓ NAVAJO FEDERAL 9-1 4303731001 09975 39S 25E 9	ISMY			U-52333		
✓ NAVAJO FEDERAL 4-2 4303731161 09975 39S 25E 4	ISMY			U-52333		
✓ NAVAJO FEDERAL #4-4 4303731179 09975 39S 25E 4	ISMY			U-52333		
✓ 24-4 KIVA FEDERAL 4303731745 09975 39S 25E 4	ISMY			U-52333		
✓ HAVASU FEDERAL #22-19 4303731278 10654 38S 24E 19	ISMY			U-56186	Kachina Unit / Sec. Recovery	
✓ HAVASU FEDERAL #41-24 4303731279 10654 38S 23E 24	ISMY			U-20895	"	
✓ ARABIAN FEDERAL #34 4303731287 10654 38S 24E 19	IS-DC			U-56186	"	
TOTALS						

REMARKS: * Other wells pending; partial change only. (see separate change) JJC

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

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.
UTU20895

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

BURLINGTON RESOURCES OIL & GAS COMPANY

8. Well Name and No.

HAVASU FEDERAL 41-24

3. Address and Telephone No (915)688-6800

P. O. BOX 51810, MIDLAND, TX 79710-1810

9. API Well No.

43,037,3127900

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

1050' FNL - 500' FEL , NENE
24 038S 023E, SLM

10. Field and Pool, or Exploratory Area

KACHINA , ISMAY

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 HAVASU FEDERAL 41-24 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)

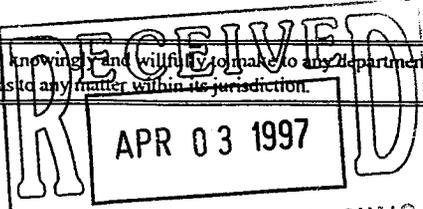
Approved By _____

Title _____

Date _____

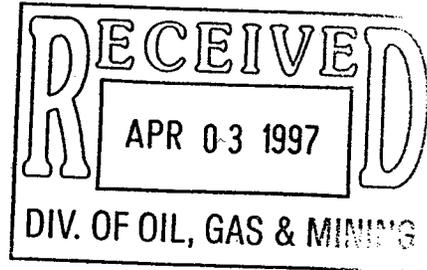
Condition of Approval, If any:

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.



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

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>U17634</i>
EMERY	FERRON ,FERRON	INDIAN CREEK 021762 J	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 11-19	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>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

COUNTY	FIELD NAME	WELL NAME	STR	LSE#	WELLTYPE	APIWELL	COMM NO.	FED CNTRL	ST CNTRL
SAN JUAN	KACHINA ,ISMAY-DESERT CREEK	ARABIAN FEDERAL 3	19 038S 024E	UTU56186	OIL WELL	43,037,3128700		UTU56186	106 <i>U56186</i>
SAN JUAN	KIVA (UPPER ISMAY) ,CUTLER	NAVAJO FEDERAL 42-9	09 039S 025E	U-52333	WATER SOURCE	43,037,3126300			<i>U52333 (To water Rights 4797)</i>
SAN JUAN	KIVA (UPPER ISMAY) ,ISMAY	KIVA FEDERAL 24-4	04 039S 025E		OIL WELL	43,037,3174500		83687U6890	099 <i>USA-U52333</i>
SAN JUAN	KIVA (UPPER ISMAY) ,ISMAY	NAVAJO FEDERAL (WIV) 4-1	04 039S 025E		WATER INJECTED	43,037,3111200		83687U6890	099 <i>U52333</i>
SAN JUAN	KIVA (UPPER ISMAY) ,ISMAY	NAVAJO FEDERAL (WIV) 43-5	04 039S 025E		WATER INJECTED	43,037,3131700		83687U6890	099 <i>U58728</i>
SAN JUAN	KIVA (UPPER ISMAY) ,ISMAY	NAVAJO FEDERAL 12-4	04 039S 025E		WATER INJECTED	43,037,3139500		83687U6890	099 <i>U52333</i>
SAN JUAN	KIVA (UPPER ISMAY) ,ISMAY	NAVAJO FEDERAL 14-4	04 039S 025E		WATER INJECTED	43,037,3132100		83687U6890	099 <i>U52333</i>
SAN JUAN	KIVA (UPPER ISMAY) ,ISMAY	NAVAJO FEDERAL 21-9	09 039S 025E		WATER INJECTED	43,037,3126700		83687U6890	099 <i>U52333</i>
SAN JUAN	KIVA (UPPER ISMAY) ,ISMAY	NAVAJO FEDERAL 23-4	04 039S 025E		WATER INJECTED	43,037,3125900		83687U6890	099 <i>U52333</i>
SAN JUAN	KIVA (UPPER ISMAY) ,ISMAY	NAVAJO FEDERAL 4-1	04 039S 025E		OIL WELL	43,037,3111200		83687U6890	099 <i>U52333</i>
SAN JUAN	KIVA (UPPER ISMAY) ,ISMAY	NAVAJO FEDERAL 4-2	04 039S 025E		OIL WELL	43,037,3116100		83687U6890	099 <i>U52333</i>
SAN JUAN	KIVA (UPPER ISMAY) ,ISMAY	NAVAJO FEDERAL 4-4	04 039S 025E		OIL WELL	43,037,3117800		83687U6890	099 <i>U52333</i>
SAN JUAN	KIVA (UPPER ISMAY) ,ISMAY	NAVAJO FEDERAL 42-5	05 039S 025E		OIL WELL	43,037,3126100		83687U6890	106 <i>U58728</i>
SAN JUAN	KIVA (UPPER ISMAY) ,ISMAY	NAVAJO FEDERAL 43-5	04 039S 025E		OIL WELL	43,037,3131700		83687U6890	099 <i>U58728</i>
SAN JUAN	KIVA (UPPER ISMAY) ,ISMAY	NAVAJO FEDERAL 9-1	09 039S 025E		OIL WELL	43,037,3100100		83687U6890	099 <i>U52333</i>
SAN JUAN	KIVA (UPPER ISMAY) ,WINGATE	NAVAJO FEDERAL 42-9	09 039S 025E		WATER SOURCE	43,037,3126300		83687U6890	099 <i>U52333 (To water Rights 4797)</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>1157895</i>
SAN JUAN	LION MESA ,CANE CREEK	HATCH POINT FEDERAL 27-1A	27 027S 021E	UTU20016	OIL WELL	43,037,3051800		UTU20016	028 <i>1120016</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.
UTU20895

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.
HAVASU FEDERAL 41-24

2. Name of Operator
MERIT ENERGY COMPANY
3. Address and Telephone No (972) 701-8377
12222 MERIT DRIVE, DALLAS, TX 75251

9. API Well No.
43,037,3127900

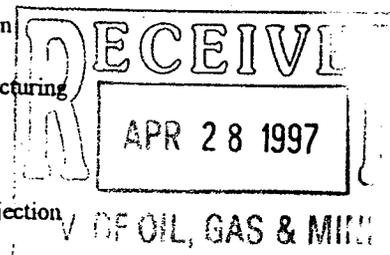
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1050' FNL - 500' FEL, NENE
24 038S 023E, SLM

10. Field and Pool, or Exploratory Area
KACHINA, ISMAY

11. County or Parish, State
SAN JUAN, UT

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

TYPE OF SUBMISSION	TYPE OF ACTION	
<input 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>CHANGE OF OPERATOR</u>	<input type="checkbox"/> Dispose Water



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 HAVASU FEDERAL 41-24 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)
/s/ Brad D. Palmer

Approved By Brad D. Palmer Title Assistant Field Manager, Resource Management Date 3/31/97

Condition of Approval, If any:

CONDITIONS OF APPROVAL ATTACHED

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

Dean

Merit Energy Company
Well No. Havasu Federal 41-24
NENE Sec. 24, T. 38 S., R. 23 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-LEG ✓	6-ALB ✓
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>43-037-31279</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: _____
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)** ____ If yes, show company file number: # 0198545. *(# 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
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: See attached
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME: See attached
2. NAME OF OPERATOR: Merit Energy Company		8. WELL NAME and NUMBER: See attached
3. ADDRESS OF OPERATOR: 12222 Merit Dr., Suite _____ CITY Dallas STATE TX ZIP 75251		9. API NUMBER:
4. LOCATION OF WELL FOOTAGES AT SURFACE: See Attached		10. FIELD AND POOL, OR WILDCAT: See attached
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN _____		COUNTY: San Juan
		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 (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

Merit Energy Company advises, effective SEPT. 30, 2000, Journey Operating, L.L.C. will become the operator of the wells on the attached list.

Journey Operating, L.L.C.
1201 Louisiana, Suite 1040
Houston, TX. 77002
(713) 655-0595

By: Brian A. Baer
Brian A. Baer, President

RECEIVED
OCT 20 2000
DIVISION OF
OIL, GAS AND MINING

NAME (PLEASE PRINT) <u>Arlene Valliquette</u>	TITLE <u>Manager - Regulatory Affairs</u>
SIGNATURE <u>Arlene Valliquette</u>	DATE <u>9/29/00</u>

(This space for State use only)

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

FORM APPROVED
Budget Bureau No.: 1004-0135
Expires: November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reentry to an abandoned well. Use Form 3160-3 (APD) for such proposals

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of well

Oil Well Gas Well Other **Water Source Well**

2. Name of Operator

Journey Operating, L.L.C.

3a. Address and Telephone No.

1201 Louisiana, Suite 1040, Houston, Tx 77002

3b. Phone No. (include area code)

713-655-0595

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

1050' FNL & 500' FEL (NE NE)
Sec 24, T 38S, R 23E

5. Lease Designation and Serial No.

UTU-20895

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Havasu Federal #41-24

9. API Number

43-037-31279

10. Field and Pool or Exploratory Area

Kachina; Ismay

11. County or Parish, State

San Juan County, UT

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

TYPE OF SUBMISSION

TYPE OF ACTION

Notice of Intent
 Subsequent Report
 Final Abandonment Notice

<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Change of Operator</u>
<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated starting date of starting any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface location and measured and true vertical depths of all pertinent markers and zone. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operations result in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notice shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Journey Operating, L.L.C. hereby accepts the operatorship of this well effective October 1, 2000. Journey Operating, L.L.C. will be responsible under the terms and conditions of the lease(s) for the operations conducted on the leased lands or portions thereof. Journey Operating, L.L.C. bond coverage is provided under Bond No. RLB0002487. *BLM Bond # WY 3354 - Nationwide*

14 I hereby certify that the foregoing is true and correct

Signed: *Janice M. Che*

Title: Sr. Regulatory Analyst

Date: 1/17/01

(This space for Federal or State office use)

Approved by: *William Hunger*

Title: Assistant Field Manager,
Division of Resources

Date: 1/22/01

Conditions of approval, if any:

CONDITIONS OF APPROVAL ATTACHED

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

*See Instructions on Reverse Side

cc: *1006m 1/22/01*

RECEIVED
JAN 25 2001
DIVISION OF
OIL, GAS AND MINING

Journey Operating, LLC
Well No. Havasu Federal 41-24
NENE Sec. 24, T. 38 S., R. 23 E.
Lease UTU20895
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 Journey Operating, LLC is considered to be the operator of the above well and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by WY3354 (Principal - Journey Operating, LLC) via surety consent as provided for in 43 CFR 3104.2.

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

RECEIVED

JAN 25 2001

DIVISION OF
OIL, GAS AND MINING

CHANGE OF OPERATOR
from Merit Energy Company to Journey Operating, L.L.C.
Federal Lease No. UTU-56186
Kachina Field
San Juan County, Utah

Attachement to BLM Form 3160-5

Well Type	Well Name/Number	API Number	Location of Well
Injection Well	Arabian Federal #2	43-037-31282	NW SW (2180' FSL & 950' FWL) Sec. 19-38S-24E
Oil Well	Arabian Federal #3	43-037-31287	NE SW (1470' FSL & 1750' FWL) Sec. 19-38S-24E
Injection Well	Havasus Federal #11-19	43-037-31458	NW NW (940' FNL & 590' FWL) Sec. 19-38S-24E
Oil Well	Havasus Federal #12-19	43-037-31457	SW NW (1840' FNL & 410' FWL) Sec. 19-38S-24E
Oil Well	Havasus Federal #12-19A	43-037-31459	SW NW (2520' FNL & 200' FWL) Sec. 19-38S-24E
Oil Well	Havasus Federal #22-19	43-037-31278	SW NW (1850' FNL & 1255' FWL) Sec. 19-38S-24E

RECEIVED

JAN 25 2001

DIVISION OF
OIL, GAS AND MINING

Journey Operating, LLC
Well Nos. 2, 3, 11-19, 12-19, 12-19A and 22-19
Sec. 19, T. 38 S., R. 24 E.
Lease UTU56186
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 Journey Operating, LLC is considered to be the operator of the above wells and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for these wells is provided by WY3354 (Principal - Journey Operating, LLC) via surety consent as provided for in 43 CFR 3104.2.

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

RECEIVED

JAN 25 2001

DIVISION OF
OIL, GAS AND MINING

CHANGE OF OPERATOR
from Merit Energy Company to Journey Operating, L.L.C.
San Juan County, Utah

Attachment to Utah Form 19

Well Type	Lease Serial No.	Field Name	Well Name/Number	API Number	Location of Well
Oil Well	UTU-40361	Bannock	Bannock Federal #21-33	43-037-31425	NE NW (685' FNL & 1520' FWL) Sec. 33-T38S-R24E
Injection Well	I-149-IND-9123	Ismay	Ismay Flodine Park R-124	43-037-16169	NE NE (660' FNL & 660' FEL) Sec. 24-T40S-R25E
Oil Well	14-20-603-2055-A	Ismay	Ismay Flodine Park S-216	43-037-15546	SW NW (1820' FNL & 500' FWL) Sec. 16-T40S-R26E
Injection Well	14-20-603-2055-A	Ismay	Ismay Flodine Park T-316	43-037-16462	NE SW (1980' FSL & 1980' FWL) Sec. 16-T40S-R26E
Oil Well	14-20-603-2055-A	Ismay	Ismay Flodine Park S-416	43-037-15544	SW SW (1820' FNL & 500' FWL) Sec. 16-T40S-R26E
Oil Well	14-20-603-2055-A	Ismay	Ismay Flodine Park U-416	43-037-15545	SW SE (660' FSL & 1980' FEL) Sec. 16-T40S-R26E
Injection Well	I-149-IND-9124	Ismay	Ismay Flodine Park T-117	43-037-16456	NE NW (775' FNL & 1995' FWL) Sec. 17-T40S-R26E
Oil Well	I-149-IND-9124	Ismay	Ismay Flodine Park S-217	43-037-16170	SW NW (1980' FNL & 660' FWL) Sec. 17-T40S-R26E
Injection Well	I-149-IND-9124	Ismay	Ismay Flodine Park V-117	43-037-16188	NE NE (660' FNL & 660' FEL) Sec. 17-T40S-R26E
Oil Well	I-149-IND-9124	Ismay	Ismay Flodine Park U-217	43-037-16180	SW NE (1980' FNL & 1820' FEL) Sec. 17-T40S-R26E
Injection Well	I-149-IND-9124	Ismay	Ismay Flodine Park T-317	43-037-16463	NE SW (1980' FSL & 1980' FWL) Sec. 17-T40S-R26E
Oil Well	I-149-IND-9124	Ismay	Ismay Flodine Park U-417	43-037-16185	SW SE (500' FSL & 1820' FEL) Sec. 17-T40S-R26E
Injection Well	I-149-IND-9123	Ismay	Ismay Flodine Park T-118	43-037-16457	NE NW (660' FNL & 1980' FWL) Sec. 18-T40S-R26E
Oil Well	I-149-IND-9123	Ismay	Ismay Flodine Park S-218	43-037-16171	SW NW (1820' FNL & 660' FWL) Sec. 18-T40S-R26E
Oil Well	I-149-IND-9123	Ismay	Ismay Flodine Park T-318	43-037-16464	NE SE (1980' FSL & 1980' FWL) Sec. 18-T40S-R26E
Oil Well	I-149-IND-9123	Ismay	Ismay Flodine Park V-318	43-037-16467	NE SE (1980' FSL & 660' FEL) Sec. 18-T40S-R26E
Oil Well	I-149-IND-9123	Ismay	Ismay Flodine Park U-418	43-037-16186	SW SE (660' FSL & 1980' FEL) Sec. 18-T40S-R26E
Injection Well	I-149-IND-9123	Ismay	Ismay Flodine Park T-119	43-037-16458	NE NW (660' FNL & 1980' FWL) Sec. 19-T40S-R26E
Water Source Well	I-149-IND-9123	Ismay	Ismay Flodine Park V-219	43-037-16519	SE NE (1980' FNL & 560' FEL) Sec. 19-T40S-R26E
Oil Well	I-149-IND-9124	Ismay	Ismay Flodine Park V-120	43-037-16190	NE NE (660' FNL & 660' FEL) Sec. 20-T40S-R26E
Water Source Well	I-149-IND-9124	Ismay	Ismay Flodine Park V-220	43-037-20055	SE NE (1950' FNL & 1120' FEL) Sec. 20-T40S-R26E
Oil Well	I-149-IND-9124	Ismay	Ismay Flodine Park S-121	43-037-31629	NW NW (500' FNL & 660' FWL) Sec. 21-T40S-R26E
Injection Well	I-149-IND-9124	Ismay	Ismay Flodine Park T-121	43-037-16460	NE NW (610' FNL & 2050' FWL) Sec. 21-T40S-R26E
Water Source Well	I-149-IND-9124	Ismay	Ismay Flodine Park U-121	43-037-20056	NW NE (540' FNL & 1980' FEL) Sec. 21-T40S-R26E
Injection Well	I-149-IND-9124	Ismay	Ismay Flodine Park V-121	43-037-16191	NE NE (660' FNL & 660' FEL) Sec. 21-T40S-R26E
Injection Well	I-149-IND-9124	Ismay	Ismay Flodine Park U-421	43-037-11267	SW SE (660' FSL & 1980' FEL) Sec. 21-T40S-R26E
Injection Well	I-149-IND-9124	Ismay	Ismay Flodine Park V-321	43-037-16194	NE SE (1980' FSL & 670' FEL) Sec. 21-T40S-R26E

CHANGE OF OPERATOR
from Merit Energy Company to Journey Operating, L.L.C.
San Juan County, Utah

Attachment to Utah Form 19

Well Type	Lease Serial No.	Field Name	Well Name/Number	API Number	Location of Well
Oil Well	I-149-IND-9124	Ismay	Ismay Flodine Park S-222	43-037-16173	SW NW (2030' FNL & 820' FWL) Sec. 22-T40S-R26E
Injection Well	I-149-IND-9124	Ismay	Ismay Flodine Park T-322	43-037-16179	NE SW (1820' FSL & 1935' FWL) Sec. 22-T40S-26E
Oil Well	I-149-IND-9124	Ismay	Ismay Flodine Park U-422	43-037-16187	SW SE (820' FSL & 2140' FEL) Sec. 22-T40S-R26E
Oil Well	NOG-9904-1324	Ismay	Ismay Flodine Park S-227	43-037-16231	SW NW (2140' FNL & 820' FWL) Sec. 27-T40S-R26E
Oil Well	NOG-9904-1324	Ismay	Ismay Flodine Park U-127	43-037-31648	NE NE (745' FNL & 595' FEL) Sec. 27-T40S-R26E
Oil Well	NOG-9904-1324	Ismay	Ismay Flodine Park U-227	43-037-16234	SW NE (2120' FNL & 1950' FEL) Sec. 27-T40S-R26E
Oil Well	14-20-603-2058-A	Ismay	Ismay Flodine Park U-234	43-037-16184	SW NE (1980' FNL & 2080' FEL) Sec. 34-T40S-R26E
Water Source Well	UTU-20894	Kachina	Wash Unit #2	43-037-31324	SE SE (470' FSL & 850' FEL) Sec. 13-T38S-R23E
Oil Well	UTU-20895	Kachina	Havasus Federal #41-24	43-037-31279	NE NE (1050' FNL & 500' FEL) Sec. 24-T38S-R23E
Injection Well	UTU-20895	Kachina	Havasus Federal #42-24	43-037-31298	SE NE (1970' FNL & 461' FEL) Sec. 24-T38S-R23E
Injection Well	UTU-56186	Kachina	Arabian Federal #2	43-037-31282	NW SW (2180' FSL & 950' FWL) Sec. 19-T38S-R24E
Oil Well	UTU-56186	Kachina	Arabian Federal #3	43-037-31287	NE SW (1470' FSL & 1750' FWL) Sec. 19-T38S-R24E
Injection Well	UTU-56186	Kachina	Havasus Federal #11-19	43-037-31458	NW NW (940' FNL & 590' FWL) Sec. 19-T38S-R24E
Oil Well	UTU-56186	Kachina	Havasus Federal #12-19	43-037-31457	SW NW (1840' FNL & 410' FWL) Sec. 19-T38S-R24E
Oil Well	UTU-56186	Kachina	Havasus Federal #12-19A	43-037-31459	SW NW (2520' FNL & 200' FWL) Sec. 19-T38S-R24E
Oil Well	UTU-56186	Kachina	Havasus Federal #22-19	43-037-31278	SW NW (1850' FNL & 1255' FWL) Sec. 19-T38S-R24E
Injection Well	UTU-52333	Kiva	Navajo Federal #12-4	43-037-31395	SW NW (2260' FNL & 440' FWL) Sec. 4-T39S-R25E
Injection Well	UTU-52333	Kiva	Navajo Federal #14-4	43-037-31321	SW SW (1150' FSL & 1110' FWL) Sec. 4-T39S-R25E
Injection Well	UTU-52333	Kiva	Navajo Federal #23-4	43-037-31259	NE SW (1500' FSL & 2500' FWL) Sec. 4-T39S-R25E
Oil Well	UTU-52333	Kiva	Kiva Federal #24-4	43-037-31745	SE SW (1057' FSL & 1997' FWL) Sec. 4-T39S-R25E
Injection Well	UTU-52333	Kiva	Navajo Federal #4-1	43-037-31112	SE SW (370' FSL & 1940' FWL) Sec. 4-T39S-R25E
Oil Well	UTU-52333	Kiva	Navajo Federal #4-2	43-037-31161	SW SE (300' FSL & 2225' FEL) Sec. 4-T39S-R25E
Oil Well	UTU-52333	Kiva	Navajo Federal #4-4	43-037-31179	NW SW (1980' FSL & 660' FWL) Sec. 4-T39S-R25E
Oil Well	UTU-57895	Kiva	Navajo Federal #42-5	43-037-31261	SE NE (2130' FNL & 320' FEL) Sec. 5-T39S-R25E
Injection Well	UTU-58728	Kiva	Navajo Federal #43-5	43-037-31317	NE SE (1954' FSL & 627' FEL) Sec. 5-T39S-R25E
Oil Well	UTU-52333	Kiva	Navajo Federal #9-1	43-037-31001	NW NE (770' FNL & 2010' FEL) Sec. 9-T39S-R25E

CHANGE OF OPERATOR
from Merit Energy Company to Journey Operating, L.L.C.
San Juan County, Utah

Attachment to Utah Form 19

Well Type	Lease Serial No.	Field Name	Well Name/Number	API Number	Location of Well
Injection Well	UTU-52333	Kiva	Navajo Federal #21-9	43-037-31267	NE NW (330' FNL & 2510' FWL) Sec. 9-T39S-R25E
Water Source Well	UTU-52333	Kiva	Navajo Federal #42-9	43-037-31263	SE NE (1850' FNL & 1140' FEL) Sec. 9-T39S-R25E

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH		4-KAS ←
2. CDW ✓		5- SP ✓
3. JLT		6-FILE

Enter date after each listed item is completed

X Change of Operator (Well Sold)

Designation of Agent

Operator Name Change (Only)

Merger

The operator of the well(s) listed below has changed, effective: **10/01/2000**

FROM: (Old Operator):
MERIT ENERGY COMPANY
Address: 12222 MERIT DR. STE 1500
DALLAS, TX 75251
Phone: 1-(972)-701-8377
Account No. N4900

TO: (New Operator):
JOURNEY OPERATING LLC
Address: 1201 LOUISIANA STE 1040
HOUSTON, TX 77002
Phone: 1-(713)-655-0595
Account No. N1435

CA No.

Unit: KACHINA

WELL(S)

NAME	API NO.	ENTITY NO.	SEC. TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
HAVASU FEDERAL 41-24	43-037-31279	10654	24-38S-23E	FEDERAL	OW	P
ARABIAN FEDERAL # 3	43-037-31287	10654	19-38S-24E	FEDERAL	OW	P
HAVASU FEDERAL 12-19	43-037-31457	10654	19-38S-24E	FEDERAL	OW	P
HAVASU FEDERAL 12-19A	43-037-31459	10654	19-38S-24E	FEDERAL	OW	P
HAVASU FEDERAL 22-19	43-037-31278	10654	19-38S-24E	FEDERAL	OW	P

OPERATOR CHANGES DOCUMENTATION

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 10/23/2000
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 01/25/2001
- The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 02/06/2001
- Is the new operator registered in the State of Utah: YES Business Number: 4822566-0161
- If **NO**, the operator was contacted on: N/A
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the (merger, name change, or operator change for all wells listed on Federal or Indian leases on: 01/22/2001

7. **Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
8. **Federal and Indian Communization Agreements ("CA"):** The BLM or the BIA has approved the operator change for all wells listed involved in a CA on: N/A
9. **Underground Injection Control ("UIC") Prog:** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 02/06/2001
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 02/06/2001
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

STATE BOND VERIFICATION:

1. State well(s) covered by Bond No.: N/A

FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed has furnished a bond No: _____
2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A
3. (R649-2-10) The **FORMER** operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

FILMING:

1. All attachments to this form have been **MICROFILMED** on: 2-21-01

FILING:

1. **ORIGINALS/COPIES** of all attachments pertaining to each individual well have been filled in each well file on: _____

COMMENTS:

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING
1. DJJ
2. CDW

X Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:	6/9/2006
FROM: (Old Operator): N1435-Journey Operating, LLC 201 Louisiana, Suite 1040 Houston, TX 77002 Phone: 1 (713) 655-0595	TO: (New Operator): N0265-Citation Oil & Gas Corp 8223 Willow Place South Houston, TX 77070 Phone: 1 (281) 517-7800

WELL NAME	CA No.			Unit:		KACHINA		
	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
HAVASU-FEDERAL 22-19	19	380S	240E	4303731278	10654	Federal	OW	P
HAVASU-FEDERAL 41-24	24	380S	230E	4303731279	10654	Federal	OW	P
ARABIAN FED 2	19	380S	240E	4303731282	10654	Federal	WI	A
ARABIAN FEDERAL 3	19	380S	240E	4303731287	10654	Federal	OW	P
HAVASU FED 42-24	24	380S	230E	4303731298	10654	Federal	WI	A
WASH UNIT 2	13	380S	230E	4303731324	10654	Federal	WS	A
HAVASU FEDERAL 12-19	19	380S	240E	4303731457	10654	Federal	OW	S
HAVASU FED 11-19	19	380S	240E	4303731458	10654	Federal	WI	A
HAVASU FEDERAL 12-19A	19	380S	240E	4303731459	10654	Federal	OW	P

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/23/2006
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/23/2006
3. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: _____
4. Is the new operator registered in the State of Utah: YES Business Number: 793304-0143
5. If **NO**, the operator was contacted on: _____
- 6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
- 6b. Inspections of LA PA state/fee well sites complete on: n/a
- 6c. Reports current for Production/Disposition & Sundries on: ok
7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 7/6/2006 BIA
8. **Federal and Indian Units:**
 The BLM or BIA has approved the successor of unit operator for wells listed on: 7/6/2006
9. **Federal and Indian Communization Agreements ("CA"):**
 The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 6/30/2006

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 7/31/2006
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 7/31/2006
3. Bond information entered in RBDMS on: n/a
4. Fee/State wells attached to bond in RBDMS on: n/a
5. Injection Projects to new operator in RBDMS on: 7/31/2006

BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: 104061650
2. Indian well(s) covered by Bond Number: 104061656

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

5. LEASE DESIGNATION AND SERIAL NUMBER:

See Attached List

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

See Attached List

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL GAS WELL OTHER _____

8. WELL NAME and NUMBER:

See Attached List

2. NAME OF OPERATOR:
Journey Operating, L.L.C.

N 1435

9. API NUMBER:

See Attach

3. ADDRESS OF OPERATOR:
1201 Louisiana, Suite 1040 Houston TX 77002

PHONE NUMBER:
(713) 655-0595

10. FIELD AND POOL, OR WILDCAT:
See Attached List

4. LOCATION OF WELL
FOOTAGES AT SURFACE: See Attached List

COUNTY: San Juan

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

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 (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

Journey Operating, L.L.C. advises, effective June 9, 2006, Citation Oil & Gas Corp. will become the operator of the wells on the attached list.

Citation Oil & Gas Corp. (N0265)
8223 Willow Place South
Houston, TX 77070
(281) 517-7800
Bond No.: 104325628 - \$120,000

BLM BOND = 104061650
BIA BOND = 104061656

By: *Robert T. Kennedy*
Robert T. Kennedy
Sr. Vice President Land

NAME (PLEASE PRINT) Brian A. Baer TITLE President
SIGNATURE *Brian A. Baer* DATE 6/9/2006

(This space for State use only)

APPROVED 7/13/1/2006
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

RECEIVED
JUN 23 2006

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
UTU-20895

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No
Havasu Federal #41-24

9. API Well No.
43-037-31279

10. Field and Pool, or Exploratory Area
Kachina; Ismay

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

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Citation Oil & Gas Corp.

3a. Address
8223 Willow Place South, Houston, TX 77070

3b. Phone No. (include area code)
281-517-7800

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
**1050' FNL & 500' FEL (NE NE)
Section 24-T38S-R23E**

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 type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Change of Operator
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Effective June 9, 2006, Citation Oil & Gas Corp. will take over as operator of the above captioned lease(s) from Journey Operating, L.L.C.

Citation Oil & Gas Corp. hereby accepts the operatorship of the above captioned lease(s). Citation Oil & Gas Corp. will be responsible under the terms and conditions of the lease(s) for the operations conducted on the leased lands or portion thereof. Citation Oil & Gas Corp. bond coverage is provided under Bond No. 104061650 MTB000053.

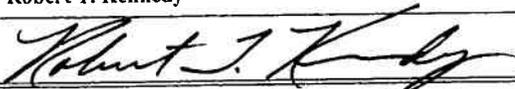
2006 JUN 26 AM 9:10
 BLM - UT - 950

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Robert T. Kennedy

Title **Sr. Vice President Land**

Signature



Date

06/09/2006

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

ACCEPTED

Title **Division of Resources**

Date

7/16/06

Conditions of approval, if any, are attached. Approval of this notice 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.

Moab Field Office

RECEIVED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

JUL 10 2006

(Instructions on page 2)

cc: u006m 7/16/06

CONDITIONS OF APPROVAL ATTACHED DIV. OF OIL, GAS & MINING

Citation Oil and Gas Corporation
Well Nos. 41-24 and 42-24
Section 24, T38S, R23E
Lease UTU56186
Grand County, Utah

CONDITIONS OF ACCEPTANCE

Acceptance of these applications 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 Citation Oil and Gas Corporation is considered to be the operator of the above wells effective June 9, 2006, and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for these wells is provided by MTB000053 (Principal – Citation Oil and Gas Corporation) via surety consent as provided for in 43 CFR 3104.2.

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

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTU 20895

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL GAS WELL OTHER _____

2. NAME OF OPERATOR:
Citation Oil & Gas Corp.

3. ADDRESS OF OPERATOR: PHONE NUMBER:
P O Box 690688 CITY **Houston** STATE **TX** ZIP **77269** **(281) 517-7800**

4. LOCATION OF WELL
FOOTAGES AT SURFACE: **1050' FNL & 500' FEL**

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: **NENE 24 38S 23E**

COUNTY: **San Juan**

STATE: **UTAH**

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 2/15/2007	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input checked="" type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

On February 15, 2007 Citation returned the Havasu Federal 41-24 well to production.

Cortez well service bled down well. Ran Reda pump in. Stripped off BOP's. Flanged up well head. Rigged down. Placed well on production.

NAME (PLEASE PRINT) Sharon Ward

TITLE Permitting Manager

SIGNATURE Sharon Ward

DATE 2/20/2007

(This space for State use only)

RECEIVED

FEB 22 2007

DIV. OF OIL, GAS & MINING



RICHARDSON OPERATING COMPANY

4725 S. Monaco Street, Suite 200
Denver, Colorado 80237
(303) 830-8000 Fax (303) 830-8009

RECEIVED

AUG 02 2013

DIV. OF OIL, GAS & MINING

July 29, 2013

Attn: Zeke Clements
Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Re: Sundry Notices and Reports on Wells - Change of Operator and Transfers of Authority to Inject

Dear Zeke:

Enclosed for approval by the Utah Division of Oil, Gas and Mining, please find two originally executed Sundry Notices and Reports on Wells on Form 9, for the following 18 leases and wells (API # included):

<u>Lease #</u>	<u>Well Name</u>	<u>API Well No.</u>
UTU-20894	Wash Unit 2	43-037-31324 ✓
UTU-20895	Havasus-Federal 41-24	43-037-31279 ✓
UTU-20895	Havasus-Federal 42-24	43-037-31298 ✓
UTU-40361	Bannock -Fed 21-33	43-037-31425 ✓
UTU-52333	24-4 Kiva Federal	43-037-31745 ✓
UTU-52333	Navajo Federal 12-4	43-037-31395 ✓
UTU-52333	Navajo Federal 14-4	43-037-31321 ✓
UTU-52333	Navajo Federal 21-9	43-037-31267 ✓
UTU-52333	Navajo Federal 4-1	43-037-31112 ✓
UTU-52333	Navajo Federal 4-2	43-037-31161 ✓
UTU-52333	Navajo Federal 42-9	43-037-31263 ✓
UTU-52333	Navajo Federal 4-4	43-037-31179 ✓
UTU-52333	Navajo Federal 9-1	43-037-31001 ✓
UTU-56185	Arabian Federal 3	43-037-31287 ✓
UTU-56186	Havasus-Federal 11-19	43-037-31458 ✓
UTU-56186	Havasus-Federal 22-19	43-037-31278 ✓
UTU-58728	Navajo Federal 42-5	43-037-31261 ✓
UTU-58728	Navajo Federal 43-5	43-037-31317 ✓

APPROVED

AUG 19 2013

DIV. OIL GAS & MINING
BY: Raehele Medina

Also enclosed for the approval by the Utah Division of Oil, Gas and Mining, please find one originally executed Transfer of Authority to Inject on Form UIC Form 5 for the following seven wells:

<u>Lease #</u>	<u>Well Name</u>	<u>API Well No.</u>
UTU-20895	Havasus-Federal 42-24	43-037-31298 ✓
UTU-52333	Navajo Federal 12-4	43-037-31395 ✓
UTU-52333	Navajo Federal 14-4	43-037-31321 ✓
UTU-52333	Navajo Federal 21-9	43-037-31267 ✓
UTU-52333	Navajo Federal 4-1	43-037-31112 ✓
UTU-56186	Havasus-Federal 11-19	43-037-31458 ✓
UTU-58728	Navajo Federal 43-5	43-037-31317 ✓

Please return the approved documents for each well to:

Richardson Operating Company
4725 S. Monaco Street, Suite 200,
Denver, Colorado 80237.

If you have any questions, please do not hesitate to contact me at the number above or via email at land@richardsonoil.com.

Sincerely,



Ann Barthrop
Senior Land Analyst

Enclosures

RECEIVED
AUG 02 2013
Div. of Oil, Gas & Mining

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING

CDW

X - Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

4/1/2013

FROM: (Old Operator):
 N0265-Citation Oil & Gas Corp
 P O BOX 690688
 Houston, TX. 77269

 Phone: 1 (281) 891-1000

TO: (New Operator):
 N2400-Richardson Operating Co.
 4725 S Monaco Street, Suite 200
 Denver, CO. 80237

 Phone: 1 (303)830-8000

CA No. **Unit:** **Kachina**

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
See Attached List								

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 8/2/2013
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 8/2/2013
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 8/26/2013
- a. Is the new operator registered in the State of Utah: _____ Business Number: 8776630-0143
- a. (R649-9-2)Waste Management Plan has been received on: N/A
- b. Inspections of LA PA state/fee well sites complete on: N/A
- c. Reports current for Production/Disposition & Sundries on: 8/19/2013
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM Not Yet BIA N/A
- Federal and Indian Units:**
 The BLM or BIA has approved the successor of unit operator for wells listed on: Not Yet
- Federal and Indian Communization Agreements ("CA"):**
 The BLM or BIA has approved the operator for all wells listed within a CA on: Not Yet
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 8/7/2013

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 8/26/2013
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 8/26/2013
- Bond information entered in RBDMS on: 8/26/2013
- Fee/State wells attached to bond in RBDMS on: N/A
- Injection Projects to new operator in RBDMS on: 8/26/2013
- Receipt of Acceptance of Drilling Procedures for APD/New on: N/A

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: RLB0002500
- Indian well(s) covered by Bond Number: N/A
- a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number N/A
- b. The **FORMER** operator has requested a release of liability from their bond on: N/A

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS:

Citation Oil & Gas Corp (N0265) to Richardson Operating Co. (N2400)
Effective 1-April-2013

Well Name	Sec.	Township	Range	API No.	Utah Entity No.	Mineral	Well Type	Well Status	Unit Name
						Lease Type			
HAVASU-FEDERAL 22-19	19	380S	240E	4303731278	10654	Federal	Oil Well	Producing	KACHINA
HAVASU-FEDERAL 41-24	24	380S	230E	4303731279	10654	Federal	Oil Well	Producing	KACHINA
ARABIAN FEDERAL 3	19	380S	240E	4303731287	10654	Federal	Oil Well	Producing	KACHINA
HAVASU FED 42-24	24	380S	230E	4303731298	10654	Federal	Water Injection	Active	KACHINA
WASH UNIT 2	13	380S	230E	4303731324	9975	Federal	Water Source	Active	KACHINA
HAVASU FED 11-19	19	380S	240E	4303731458	10654	Federal	Water Injection	Active	KACHINA

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

RECEIVED

AUG 22 2013

FORM 9

Div. of Oil, Gas & Mining

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Change of Operator</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: Federal UTU-20895
2. NAME OF OPERATOR: Richardson Operating Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: 4725 S Monaco St. Suite 200 CITY Denver STATE CO ZIP 80327		7. UNIT or CA AGREEMENT NAME: NA
PHONE NUMBER: (303) 830-8000		8. WELL NAME and NUMBER: HAVASU-FEDERAL 41-24
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1050 N 500 E COUNTY: SAN JUAN		9. API NUMBER: 037-31279
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENE 24 38S 23E STATE: UTAH		10. FIELD AND POOL, OR WILDCAT: KACHINA

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 (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

Citation Oil & Gas Corp. has sold the captioned well to Richardson Operating Company and requests that they be named as Operator of Record effective 4/1/2013

Please release this well from coverage under Citation Oil & Gas Corp.'s Utah Statewide Bond # 104325628.

On behalf of Citation Oil & Gas Corp. I hereby certify that the foregoing is true and correct:
Sharon Ward Permitting Manager: Sharon Ward Date: 4/1/2013

By execution of this document, Richardson Operating Company requests the State of Utah to approve them as Operator of Record for the above captioned well and accepts responsibility for this well under it's Statewide Oil and Gas Lease Bond in favor of the United States Department of the Interior, Bureau of Land Management Bond # RLB0002500.

On behalf of Richardson Operating Company, I hereby certify that the foregoing is true and correct:

NAME (PLEASE PRINT) <u>David B. Richardson, Jr.</u>	TITLE <u>President</u>
SIGNATURE <u>[Signature]</u>	DATE <u>7-29-2013</u>

(This space for State use only)



RICHARDSON OPERATING COMPANY

4725 S. Monaco Street, Suite 200
Denver, Colorado 80237
(303) 830-8000 Fax (303) 830-8009

RECEIVED

AUG 02 2013

DIV. OF OIL, GAS & MINING

July 29, 2013

Attn: Zeke Clements
Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Re: Sundry Notices and Reports on Wells - Change of Operator and Transfers of Authority to Inject

Dear Zeke:

Enclosed for approval by the Utah Division of Oil, Gas and Mining, please find two originally executed Sundry Notices and Reports on Wells on Form 9, for the following 18 leases and wells (API # included):

<u>Lease #</u>	<u>Well Name</u>	<u>API Well No.</u>
UTU-20894	Wash Unit 2	43-037-31324 ✓
UTU-20895	Havasu-Federal 41-24	43-037-31279 ✓
UTU-20895	Havasu-Federal 42-24	43-037-31298 ✓
UTU-40361	Bannock -Fed 21-33	43-037-31425 ✓
UTU-52333	24-4 Kiva Federal	43-037-31745 ✓
UTU-52333	Navajo Federal 12-4	43-037-31395 ✓
UTU-52333	Navajo Federal 14-4	43-037-31321 ✓
UTU-52333	Navajo Federal 21-9	43-037-31267 ✓
UTU-52333	Navajo Federal 4-1	43-037-31112 ✓
UTU-52333	Navajo Federal 4-2	43-037-31161 ✓
UTU-52333	Navajo Federal 42-9	43-037-31263 ✓
UTU-52333	Navajo Federal 4-4	43-037-31179 ✓
UTU-52333	Navajo Federal 9-1	43-037-31001 ✓
UTU-56185	Arabian Federal 3	43-037-31287 ✓
UTU-56186	Havasu-Federal 11-19	43-037-31458 ✓
UTU-56186	Havasu-Federal 22-19	43-037-31278 ✓
UTU-58728	Navajo Federal 42-5	43-037-31261 ✓
UTU-58728	Navajo Federal 43-5	43-037-31317 ✓

APPROVED

AUG 19 2013

DIV. OIL GAS & MINING
BY: Raeheel Medina

Also enclosed for the approval by the Utah Division of Oil, Gas and Mining, please find one originally executed Transfer of Authority to Inject on Form UIC Form 5 for the following seven wells:

<u>Lease #</u>	<u>Well Name</u>	<u>API Well No.</u>
UTU-20895	Havasus-Federal 42-24	43-037-31298 ✓
UTU-52333	Navajo Federal 12-4	43-037-31395 ✓
UTU-52333	Navajo Federal 14-4	43-037-31321 ✓
UTU-52333	Navajo Federal 21-9	43-037-31267 ✓
UTU-52333	Navajo Federal 4-1	43-037-31112 ✓
UTU-56186	Havasus-Federal 11-19	43-037-31458 ✓
UTU-58728	Navajo Federal 43-5	43-037-31317 ✓

Please return the approved documents for each well to:

Richardson Operating Company
4725 S. Monaco Street, Suite 200,
Denver, Colorado 80237.

If you have any questions, please do not hesitate to contact me at the number above or via email at land@richardsonoil.com.

Sincerely,



Ann Barthrop
Senior Land Analyst

Enclosures

RECEIVED
AUG 02 2013
Div. of Oil, Gas & Mining

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING

CDW

X - Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

4/1/2013

FROM: (Old Operator):
 N0265-Citation Oil & Gas Corp
 P O BOX 690688
 Houston, TX. 77269

 Phone: 1 (281) 891-1000

TO: (New Operator):
 N2400-Richardson Operating Co.
 4725 S Monaco Street, Suite 200
 Denver, CO. 80237

 Phone: 1 (303)830-8000

CA No. **Unit:** **Kachina**

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
See Attached List								

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 8/2/2013
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 8/2/2013
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 8/26/2013
- a. Is the new operator registered in the State of Utah: Business Number: 8776630-0143
- a. (R649-9-2)Waste Management Plan has been received on: N/A
- b. Inspections of LA PA state/fee well sites complete on: N/A
- c. Reports current for Production/Disposition & Sundries on: 8/19/2013
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM Not Yet BIA N/A
- Federal and Indian Units:**
 The BLM or BIA has approved the successor of unit operator for wells listed on: Not Yet
- Federal and Indian Communization Agreements ("CA"):**
 The BLM or BIA has approved the operator for all wells listed within a CA on: Not Yet
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 8/7/2013

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 8/26/2013
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 8/26/2013
- Bond information entered in RBDMS on: 8/26/2013
- Fee/State wells attached to bond in RBDMS on: N/A
- Injection Projects to new operator in RBDMS on: 8/26/2013
- Receipt of Acceptance of Drilling Procedures for APD/New on: N/A

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: RLB0002500
- Indian well(s) covered by Bond Number: N/A
- a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number N/A
- b. The **FORMER** operator has requested a release of liability from their bond on: N/A

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS:

Citation Oil & Gas Corp (N0265) to Richardson Operating Co. (N2400)
Effective 1-April-2013

Well Name	Sec.	Township	Range	API No.	Utah Entity No.	Mineral	Well Type	Well Status	Unit Name
						Lease Type			
HAVASU-FEDERAL 22-19	19	380S	240E	4303731278	10654	Federal	Oil Well	Producing	KACHINA
HAVASU-FEDERAL 41-24	24	380S	230E	4303731279	10654	Federal	Oil Well	Producing	KACHINA
ARABIAN FEDERAL 3	19	380S	240E	4303731287	10654	Federal	Oil Well	Producing	KACHINA
HAVASU FED 42-24	24	380S	230E	4303731298	10654	Federal	Water Injection	Active	KACHINA
WASH UNIT 2	13	380S	230E	4303731324	9975	Federal	Water Source	Active	KACHINA
HAVASU FED 11-19	19	380S	240E	4303731458	10654	Federal	Water Injection	Active	KACHINA

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

RECEIVED

AUG 22 2013

FORM 9

Div. of Oil, Gas & Mining

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Change of Operator</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: Federal UTU-20895
2. NAME OF OPERATOR: Richardson Operating Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: 4725 S Monaco St. Suite 200 CITY Denver STATE CO ZIP 80327		7. UNIT or CA AGREEMENT NAME: NA
PHONE NUMBER: (303) 830-8000		8. WELL NAME and NUMBER: HAVASU-FEDERAL 41-24
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1050 N 500 E		9. API NUMBER: 037-31279
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENE 24 38S 23E		10. FIELD AND POOL, OR WILDCAT: KACHINA
COUNTY: SAN JUAN		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 (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

Citation Oil & Gas Corp. has sold the captioned well to Richardson Operating Company and requests that they be named as Operator of Record effective 4/1/2013

Please release this well from coverage under Citation Oil & Gas Corp.'s Utah Statewide Bond # 104325628.

On behalf of Citation Oil & Gas Corp. I hereby certify that the foregoing is true and correct:

Sharon Ward Permitting Manager: Sharon Ward Date: 4/1/2013

By execution of this document, Richardson Operating Company requests the State of Utah to approve them as Operator of Record for the above captioned well and accepts responsibility for this well under it's Statewide Oil and Gas Lease Bond in favor of the United States Department of the Interior, Bureau of Land Management Bond # RLB0002500.

On behalf of Richardson Operating Company, I hereby certify that the foregoing is true and correct:

NAME (PLEASE PRINT) <u>David B. Richardson, Jr.</u>	TITLE <u>President</u>
SIGNATURE <u>D.B. Richardson</u>	DATE <u>7-29-2013</u>

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2014

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
N/A

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

SUBMIT IN TRIPLICATE – Other instructions on page 2.

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		7. If Unit of CA/Agreement, Name and/or No. N/A UT 4-20875
2. Name of Operator Richardson Operating Company		8. Well Name and No. N/A HAVASU FEDERAL 4-24
3a. Address 4725 S. Monaco St. Ste. 200 Denver, CO 80237	3b. Phone No. (include area code) (303)830-8000	9. API Well No. 43-037-31279
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Lat: 37.474631 Long: -109.331146 NENE SEC 24 T 38S R 23E		10. Field and Pool or Exploratory Area Kachina Field
		11. County or Parish, State Garfield County, Utah

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input checked="" type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

On May 2nd, 2015 Richardson Operating Company temporarily shut in it's Kachina Field. This includes the following wells:

- Havasu Federal 22-19 - API: 43-037-31278
- ✓ Havasu Federal 41-24 - API: 43-037-31279
- Havasu Federal 42-24 - API: 43-037-31298
- Havasu Federal 11-19 - API: 43-037-31458
- Arabian Federal 3 - API 43-037-31287
- Wash Unit 2 - API: 43-037-31324

The field will remain shut-in until economic conditions improve.

Accepted by the
Utah Division of
Oil, Gas and Mining
For Record Only
Federal Approval Of This
Action Is Necessary

RECEIVED

MAY 11 2015

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) Cody Niehus	Title Geo Tech
Signature	Date 05/04/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice 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.	Office	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.