

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
DRILL  DEEPEN  PLUG BACK

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

2. NAME OF OPERATOR  
Marathon Oil Company

3. ADDRESS OF OPERATOR  
P.O. Box 2659, Casper, WY 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface 773' FSL & 1,830' FWL  
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
8 miles northwest of Hatch Trading Post, Utah *SBSW*

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 773'

16. NO. OF ACRES IN LEASE 160

17. NO. OF ACRES ASSIGNED TO THIS WELL 70

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1681'

19. PROPOSED DEPTH 5,709' *AAK*

20. ROTARY OR CABLE TOOLS 0'-5,709'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5,046' ungraded ground

22. APPROX. DATE WORK WILL START\*  
2nd Quarter 1984

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
Please see Items #4 and #5 of Drilling Program				

Please see the following attachments:

1. Surveyor's Plat
2. Drilling Program and 13-Point Surface Plan
3. Maps and Diagrams

**APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING**  
DATE: 6-6-84  
BY: [Signature]

The person responsible for the APD is Walt West, Regulatory Coordinator:

Office: (307) 577-1555  
Home: (307) 235-1420

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.

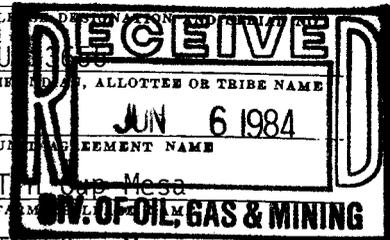
SIGNED Dayle L. Jones TITLE District Operations Manager DATE June 4, 1984  
*by J. B. O'Neal*

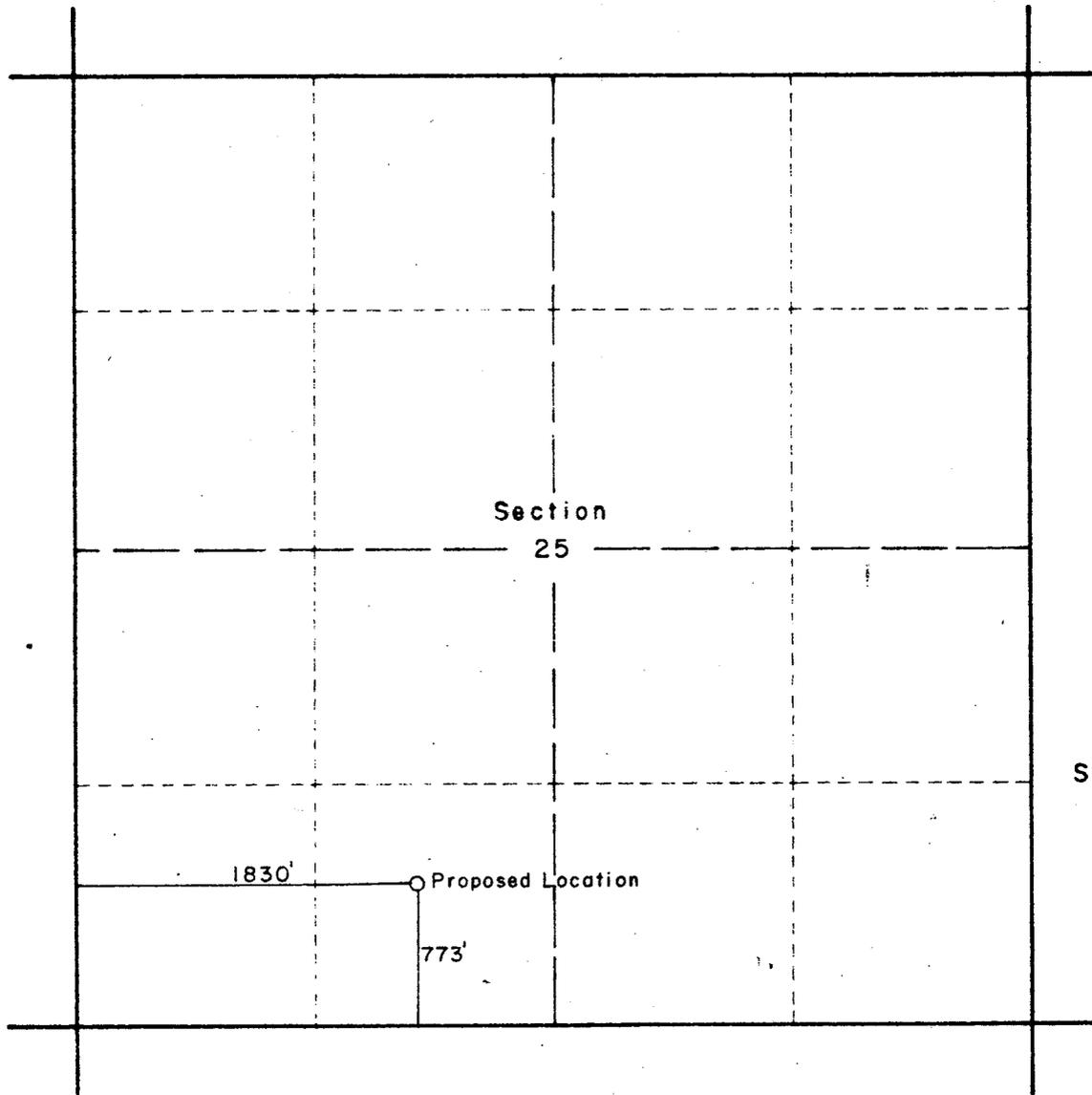
PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side





**WELL LOCATION: MARATHON OIL CO. - TIN CUP MESA NO. 3-25**

Located 773 feet North of the South line and 1830 feet East of the West line of Section 25,  
 Township 38 South, Range 28 East, Salt Lake Base & Meridian,  
 San Juan County, Utah.  
 Existing ground elevation determined at 5046 feet based on U.S.G.S. datum.

I hereby certify the above plat represents a survey made under my supervision and that it is accurate to the best of my knowledge and belief.

*Frederick H. Reed*

FREDERICK H. REED  
 Registered Land Surveyor



MARATHON OIL CO. Casper, Wyoming	
WELL LOCATION PLAT Tin Cup Mesa No. 3-25 Sec. 25, T. 38 S., R. 25 E. San Juan County, Utah	
CLARK-REED & ASSOC. Durango, Colorado	DATE: MAY 18, 1984 FILE NO: 84026

BUREAU OF LAND MANAGEMENT

MOAB DISTRICT

CONDITIONS OF APPROVAL FOR PERMIT TO DRILL

Company Marathon Oil Company Tin Cup Mesa Well No. 3-25  
Location Section 25, T38S, R25E Lease No. U-13655  
773' FSL & 1,830' FWL, San Juan County, Utah

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to ensure compliance.

A. DRILLING PROGRAM

1. Surface Formation and Estimated Formation Tops:

Jurassic Morrison Formation

<u>Formation</u>	<u>Depth (KB)</u>	<u>Datum</u>
Carmel	669'	+4,328'
Navajo	694'	+4,303'
Kayenta	914'	+4,083'
Wingate	1,077'	+3,920'
Chinle	1,462'	+3,535'
Shinarump	2,262'	+2,735'
Moenkopi	2,312'	+2,685'
Cutler	2,392'	+2,605'
Honaker Trail	4,247'	+ 750'
Paradox	5,187'	- 190'
Upper Ismay	5,342'	- 345'
Hovenweep	5,482'	- 485'
Lower Ismay	5,512'	- 515'
Gothic Shale	5,567'	- 570'
Desert Creek	5,572'	- 575'
Chimney Rock	5,667'	- 670'
Akah	5,689'	- 692'
T.D.	5,709'	- 712'

2. Estimated Depth at Which Oil, Gas, Water, or Other Mineral-Bearing Zones Are Expected to be Encountered:

<u>Formation/Member</u>	<u>Depth (KB)</u>	<u>Possible Content</u>
Carmel	669'	Water
Navajo	694'	Water
Wingate	1,077'	Water
DeChelly**	2,392'	Brine
Honaker Trail	4,247'	Oil
Paradox	5,187'	Brine
Upper Ismay	5,342'	Oil***
Lower Ismay	5,512'	Oil
Desert Creek	5,572'	Oil

\*\* The Cutler Formation may contain the DeChelly Member.

\*\*\* Primary Objective

Expected oil zones: \_\_\_\_\_

Expected gas zones: \_\_\_\_\_

Expected water zones: \_\_\_\_\_

Expected mineral zones: \_\_\_\_\_

All fresh water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth cased and cemented. All oil and gas shows will be tested to determine commercial potential.

3. Pressure Control Equipment: BOP equipment will include a dual ram type preventer with pipe and blind rams and an annular preventer (API arrangement SRRA). All equipment will have a 3,000 psi or greater working pressure. Rams, valves, lines, choke manifold, and casing will be tested to 200 psi for 5 minutes and 1,500 psi for 5 minutes prior to drilling out from under 8-5/8" surface casing. After drilling casing shoe and 5' of additional hole, a shoe test will be performed to 13.5 ppg equivalent mud weight or leak off, whichever occurs first.

A visual check of BOP equipment will be made tourly. Function pipe rams daily and blind rams on trips.

Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

4. Casing Program and Auxiliary Equipment:

See attached Item #4 of the Drilling Operations Program.

4. The Proposed Casing Program:

Casing Design

<u>Casing String</u>	<u>Hole Size</u>	<u>Interval</u>	<u>Section Length</u>	<u>Size (OD)</u>	<u>Weight, Grade and Joint</u>	<u>New Or Used</u>	<u>Mud Weight</u>	<u>1000# Tension Load</u>	<u>SF<sub>t</sub></u>	<u>SF<sub>c</sub></u>	<u>SF<sub>t</sub></u>
Conductor	20"	0-40'	40'	14"	Thinwall Steel	New					
Surface	12-1/4"	0-1,500'	1,500'	8-5/8"	24# K-55 STC	New	8.5-9.0	36	7.31	1.85	2.80
Production	7-7/8"	0-4,709'	4,709'	5-1/2"	15.5# K-55 STC	New	9.4-10.3	90	2.57	1.29	2.95
		4,709'-5,709'	1,000'	5-1/2"	17# K-55 STC	New	9.4-10.3	17	14.8	1.32	3.27

4. The Proposed Casing Program (continued):

Cement Program:

8-5/8" Casing

Cement Volume:  $1,500' \times .4127 \text{ ft}^3/\text{ft} \times 2.0 \text{ excess} = 1,238 \text{ ft}^3$

Lead Slurry: 1,000' plus 100% excess - 503 sacks of high yield cement  
(35% fly ash, 65% cement, 6% bentonite) containing 1/4#/sk  
cellophane flakes and 2%  $\text{CaCl}_2$ .

Weight: 12.7 ppg

Yield:  $1.64 \text{ ft}^3/\text{sk}$

Water Requirement: 8.34 gal/sk

Tail Slurry: 500' plus 100% excess - 350 sacks of Class "B" cement  
containing 1/4#/sk cellophane flakes and 2%  $\text{CaCl}_2$ .

Weight: 15.6 ppg

Yield:  $1.18 \text{ ft}^3/\text{sk}$

Water Requirement: 5.2 gal/sk

Casing Equipment will include a float shoe, float collar, and three centralizers. WOC time will be a minimum of 6 hours. If float equipment holds, closed-in pressure after cementing is not recommended.

5-1/2" Casing

Cement Volume:  $4,250' \times .1733 \text{ ft}^3/\text{ft} \times 1.25 \text{ excess} = 921 \text{ ft}^3$ . Actual cement volumes will be based on caliper log plus 25% excess.

Slurry Preflush: 20 barrels

Lead Slurry: (3,200' column height) 422 sx "Lite" cement w/2%  $\text{CaCl}_2$ .

Weight: 12.7 ppg

Yield:  $1.64 \text{ ft}^3/\text{sk}$

Water Requirement: 8.34 gal/sk

Tail Slurry: (1,050' column height) 200 sacks Class "B" w/1% fluid loss additive.

Weight: 15.6 ppg

Yield:  $1.18 \text{ ft}^3/\text{sk}$

Water Requirement: 5.2 gal/sk

Casing Equipment will include a float shoe, float collar, and six centralizers.

Deviation Control:

<u>From</u>	<u>To</u>	<u>Maximum Distance Between Surveys</u>	<u>Maximum Deviation From Vertical</u>	<u>Maximum Change Per 100' of Depth</u>
0'	1,500'	250'	10	10
1,500'	T.D.	500'	50	10

A drilling rate recorder, calibrated to record drilling time for each one foot interval, will be used.

A kelly cock will be used and a full opening safety valve will be available on the rig floor.

The mud system will include a desander/desilter, gas buster, or degasser.

A manual adjustable choke will be used.

A single shot drift indicator will be used.

5. Mud Program and Circulating Medium:

<u>From</u>	<u>To</u>	<u>Type Mud</u>	<u>Weight</u>	<u>% Oil</u>	<u>Water Loss</u>
0'	1,500'	Spud	8.5-9.0	0	No Control
1,500'	2,392' Cutler	Gel/Water	8.5-9.0	0	No Control
2,392' Cutler	5,342' U. Ismay	Gel/Chemical	9.4-10.3	0	10.0-12.0 cc's
5,342' U. Ismay	T.D.	Gel/Chemical	As Required	0	8.0-9.0 cc's

Mud weights will be kept at a minimum to maximize ROP and minimize lost circulation. However, the existence of water flows may necessitate an increase in mud weight while drilling. Sufficient barite should be kept on location prior to spud in order to increase the mud weight to 11.7 ppg if required.

6. Coring, Logging and Testing Program:

Samples: 10' intervals from 1,500' to T.D. with a two-man mud logging unit, or as specified by a Marathon representative.

Logging: A DIL/GR/CAL will be run on the 12-1/4" surface hole prior to running casing.

1. DLL/MSFL/GR from T.D. to the surface casing with the GR to surface.

2. BHC Sonic/VDL/GR from T.D. to surface casing.
3. FDC/CNL/Spectral GR from T.D. to surface casing.

The Coriband (Cyberlook) service will be used from the top of the Honaker Trail to T.D.

Testing: Two DST's are anticipated in the top of the Upper Ismay and in the Desert Creek.

Coring: Two (2) 60' cores are anticipated in the Upper Ismay. One (1) 60' core is anticipated in the Desert Creek.

Fracing Program: If necessary, acid stimulation.

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 15 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analysis, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the District Manager.

7. Abnormal Conditions, Bottom Hole Pressures and Potential Hazards:

The DeChelly Member of the Cutler Formation, if penetrated, may contain overpressured salt water requiring 10.5 to 11.5 ppg mud weight to control.

Maximum anticipated bottom hole temperature is approximately 120°F.

Maximum anticipated bottom hole pressure is approximately 1,200 psi.

8. Anticipated Starting Dates and Notifications of Operations:

The operator will contact the San Juan Resource Area at (801) 587-2201, 48 hours prior to beginning any dirt work on this location.

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

The spud date will be reported orally to the San Juan Area Manager, a minimum of 24 hours before spudding. A Sundry Notice (Form 3160-5) will be sent within 24 hours of spudding, reporting the spud date and time. The Sundry will be sent to the District Manager.

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

If a replacement rig is contemplated 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.

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 the first business day 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 emergency situations, oral approval will be obtained from the District Manager. 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 his representative, or the appropriate Surface Managing Agency.

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

Other: An archeological inventory was completed by LaPlata Archeological Consultants on the access road and wellsite.

## B. THIRTEEN POINT SURFACE USE PLAN

### 1. Existing Roads:

- a. Location of proposed well in relation to town or other reference point:

See Diagram "A", color-coded red.

b. Proposed route to location:

See Diagram "A", color-coded red.

See copy of Surveyor's Plat of Proposed Access Road, Diagrams "B" and "B-1".

c. Location and description of roads in the area:

N/A

d. Plans for improvement and/or maintenance of existing roads:

None anticipated

The maximum total disturbed width will be 20 feet.

e. An encroachment permit will be obtained from the San Juan County Road Dept., (801) 587-2231, ext. 43.

f. Other: The road between the stock pond and mesa top will be reclaimed.

2. Planned Access Roads:

a. The maximum total disturbed width will be 50 feet.

b. Maximum grades: 10%

c. Turnouts: None

d. Location (centerline): Has been flagged

e. Drainage: Flat bladed initially

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.

The access road will be water barred or brought to Class III Road Standards within 60 days of dismantling of the drilling 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 crossings; and culverts will be determined at the appropriate field inspection.

3. Location of Existing Wells:

See Diagram "A"

4. Location of Tank Batteries and Production Facilities:

All permanent (on site for six months or longer) structures constructed or installed (including oil well 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.

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.

Tank batteries will be placed on the: #1-25 Well Location

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.

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 prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three 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 Moab District Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

A series of flowlines will be laid between 3-25 and 2-25. Reclamation will be as described in Item #10.

5. Location and Type of Water Supply:

All water needed for drilling purposes will be obtained from:

See Diagram "A"

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 land owner or surface management agency to use the land containing the water source.

6. Source of Construction Material:

Road surfacing and pad construction will be obtained from:

Native soil or purchased from a jobber.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

7. Methods of Handling Waste Disposal:

The reserve pit (will/will not) be lined: 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. Failure to file an application within the time allowed will be considered an incident of noncompliance, and will be grounds for issuing a shut-in order.

8. Ancillary Facilities:

Camp facilities (will/will not) be required. They will be located: \_\_\_\_\_

9. Well Site Layout:

The reserve pit will be located: See Diagram "C"

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

Access to the well pad will be from: See Diagram "B"

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 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, or other BLM approval be obtained.
- 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.

2	lbs/acre	Indian ricegrass ( <u>Oryzopsis hymenoides</u> )
1	lbs/acre	Curlygrass ( <u>Hilaria jamesii</u> )
	lbs/acre	Crested wheatgrass ( <u>Agropyron desertorum</u> )
	lbs/acre	Western wheatgrass ( <u>Agropyron smithii</u> )
1	lbs/acre	Alkali sacaton ( <u>Sporobolus airoides</u> )
	lbs/acre	Sand dropseed ( <u>Sporobolus cryptandrus</u> )
2	lbs/acre	Fourwing saltbush ( <u>Atriplex canenscens</u> )
2	lbs/acre	Shadscale ( <u>Atriplex confertifolia</u> )
	lbs/acre	Green ephedra ( <u>Ephedra viridis</u> )
	lbs/acre	Cliffrose ( <u>Cowania mexicana</u> )
	lbs/acre	Desert bitterbrush ( <u>Purshia glandulosa</u> )
	lbs/acre	Winterfat ( <u>Eurotia lanata</u> )
	lbs/acre	Globemallow ( <u>Sphaeralcea ambigua</u> )
1	lbs/acre	Wild sunflower ( <u>Helianthus annuus</u> )
	lbs/acre	

- 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: Please see archeological report filed with Monticello BLM office.

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 archeological sites or picking up artifacts. Salvage or excavation of identified archeological sites will be done by a BLM approved archeologist 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.

13. Lessee's or Operator's Representative and Certification

Representative:

Name:	Gary Newberry, Drilling Superintendent
Address:	P.O. Box 2659, Casper, WY 82602
Phone No:	Office: (307) 577-1555
	Home: (307) 235-1325

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 currently 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:

Marathon Oil Company

Operator's Name

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.

6-4-84

Date

*Gary A. Newberry*

Name and Title

ON-SITE

DATE: May 18, 1984

<u>PARTICIPANTS:</u>	<u>TITLES:</u>
<u>Howard Hughes</u>	<u>Contractor</u>
<u>Jim Perkins</u>	<u>Surveyor</u>
<u>Louis Jobe</u>	<u>Surveyor</u>
<u>Brian Wood</u>	<u>BLM</u>
<u>John Hughes</u>	<u>Contractor</u>
<u>Patrick Harden</u>	<u>Archeologist</u>
<u>Jim VanGilder</u>	<u>Field Foreman, MOC</u>
<u>Lee Lyons</u>	<u>Landman, MOC</u>
<u>T. N. Nicholson</u>	<u>MOC</u>
<u>Gary A. Newberry</u>	<u>Drilling Superintendent, MOC</u>
<u>Walt West</u>	<u>Regulatory Coordinator, MOC</u>

Your contact with the District Office is: Bob Graff

Office Phone: (801) 259-6111

Address: P.O. Box 970, Moab, UT 84532

Resource Area Manager's address and contacts are:

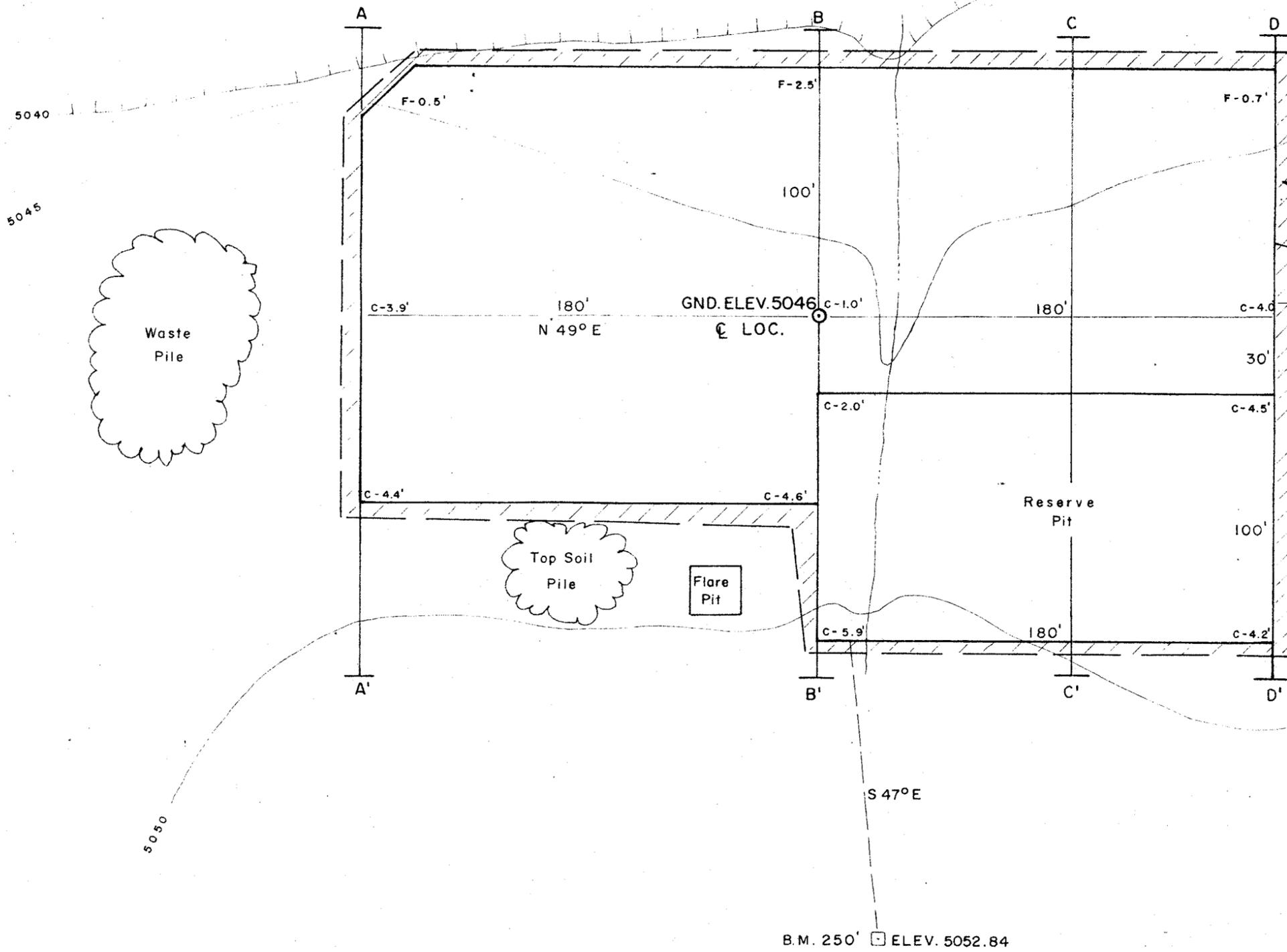
Address: P.O. Box 7, Monticello, UT 84535

Your contact is: Brian Wood

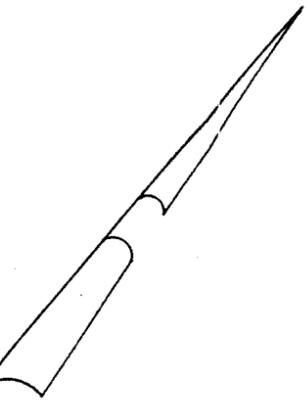
Office Phone: (801) 587-2201

Home Phone: (801) 587-2087

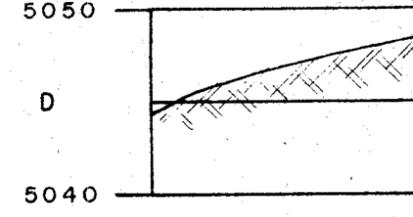
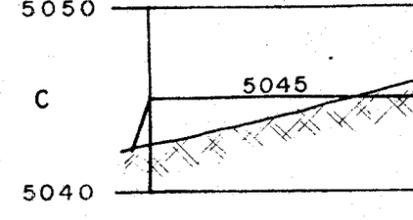
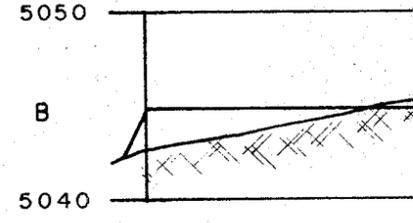
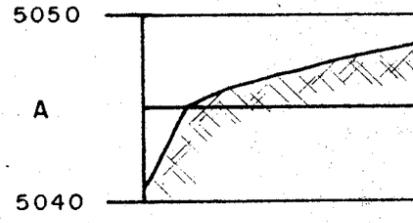
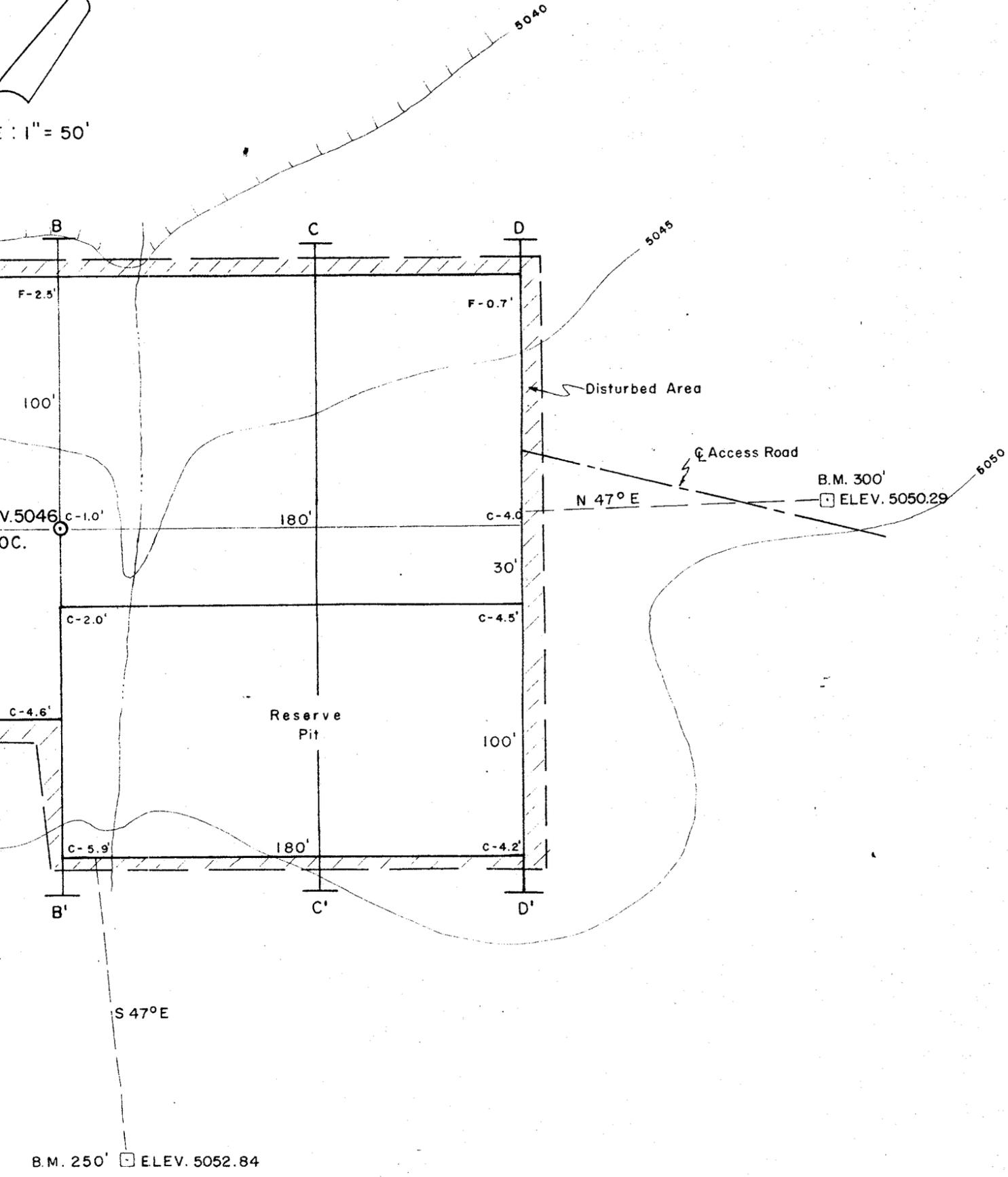
SCALE: 1" = 50'



MARATHON OIL COMPANY - TIN CUP MESA WELL # 3-25  
 SE/4, SW/4, SEC. 25, T. 38 S, R 25 E, SLM, SAN JUAN COUNTY, UTAH



1" = 50'



CUT =  
 TOP S  
 RESER

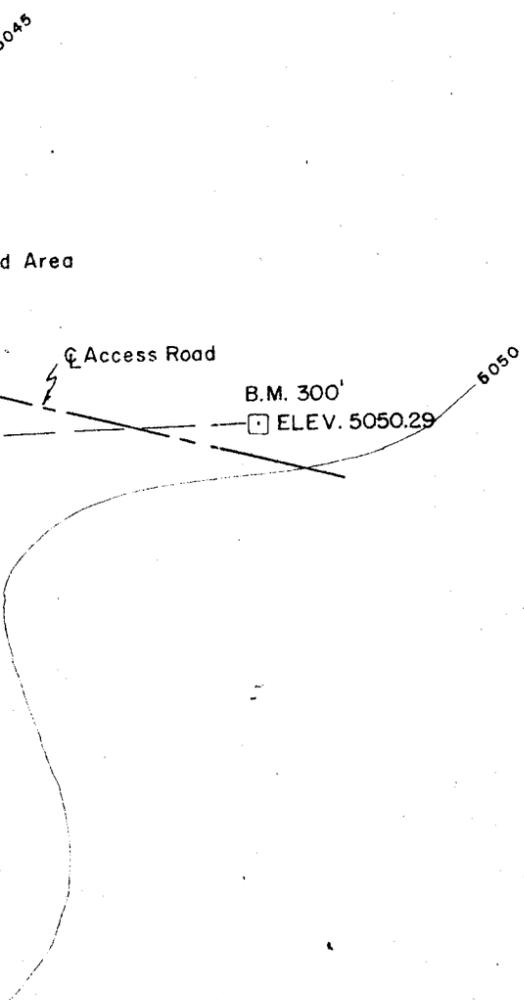
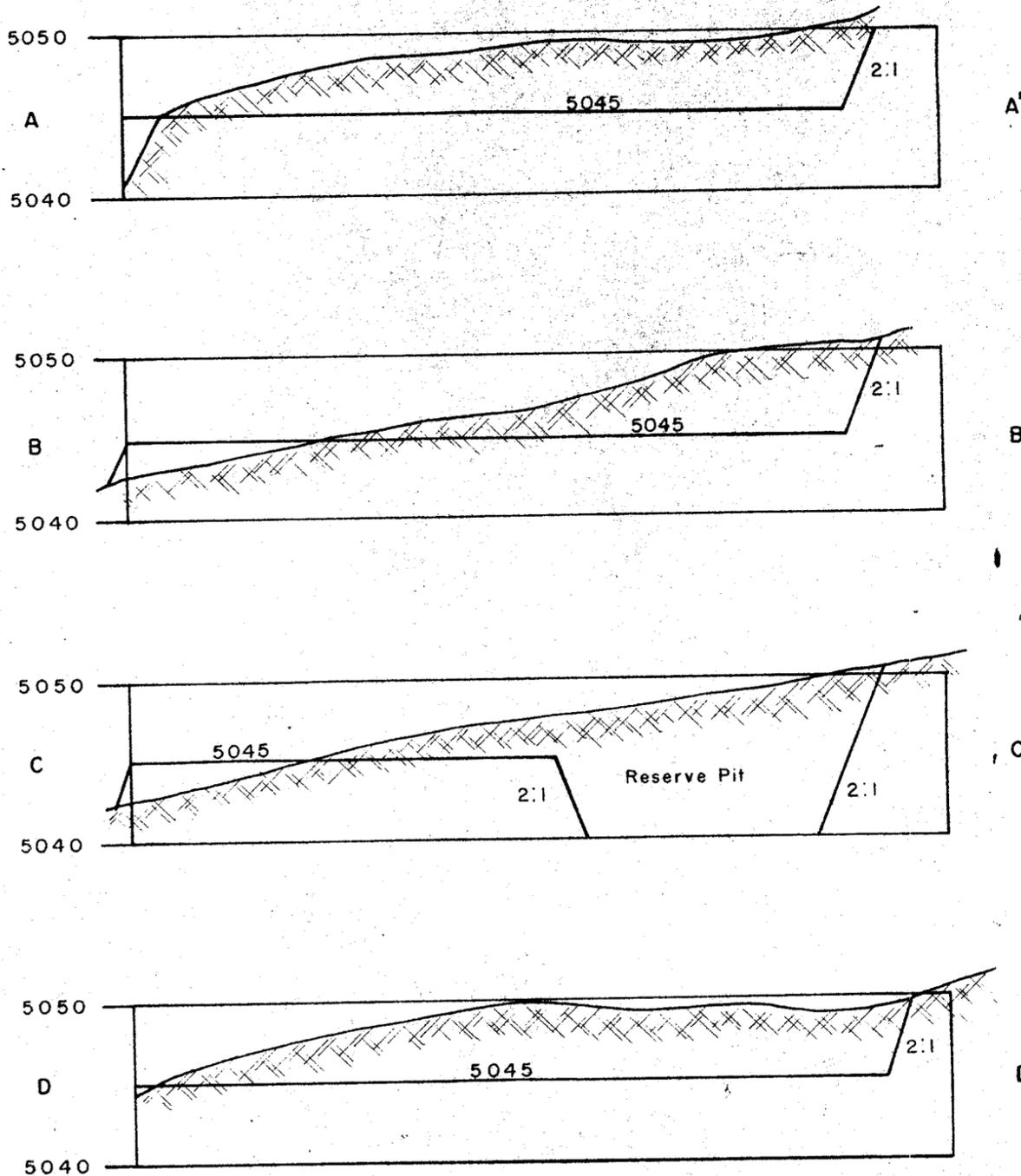
DIAGRAM 'B'

**NY-TIN CUP MESA WELL # 3-25**

**S, R 25 E, SLM, SAN JUAN COUNTY, UTAH**

**CROSS SECTION**

Horizontal Scale: 1" = 50'  
Vertical Scale: 1" = 10'



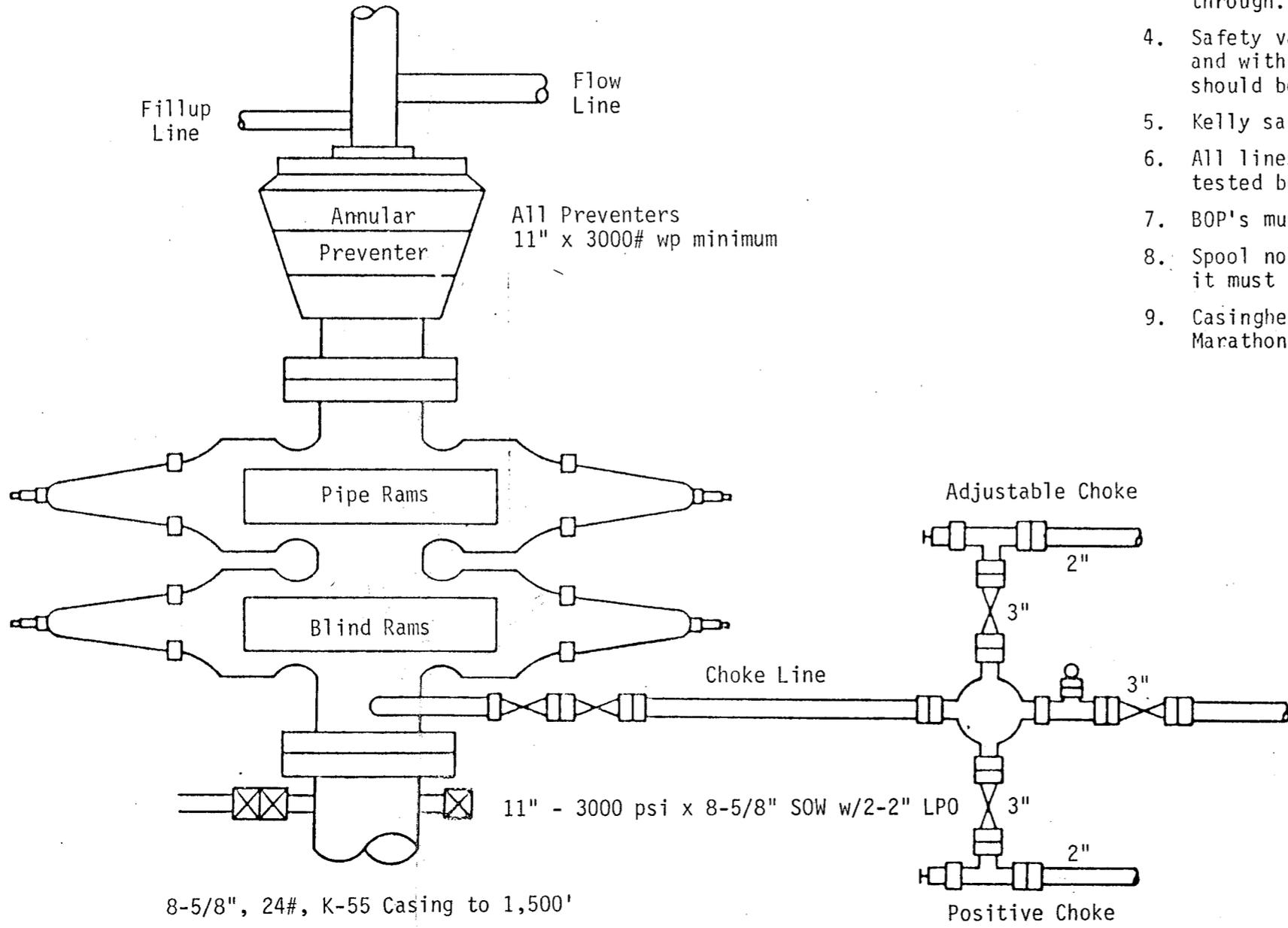
**TOTAL VOLUMES**

CUT = 7400 CU. YD. FILL = 630 CU. YDS.  
TOP SOIL = 2600 CU. YDS. WASTE = 4170 CU. YDS.  
RESERVE PIT CAPACITY = 11,400 bbl

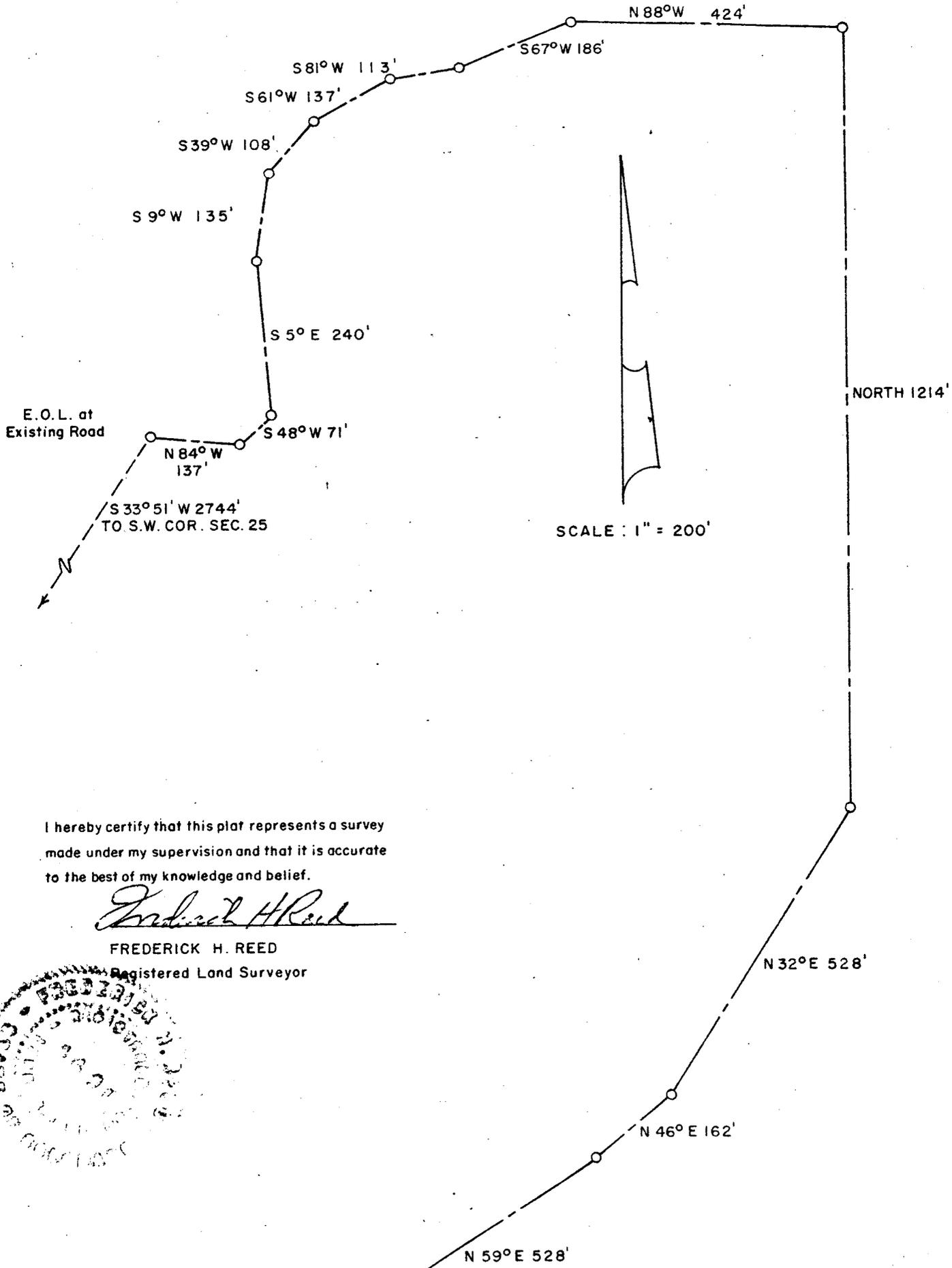
**DIAGRAM 'B'**

<b>MARATHON OIL COMPANY</b> CASPER, WYOMING	
<b>WELL SITE PLAN</b> TIN CUP MESA WELL # 3-25 Sec. 25, T.38 S., R.25 E. San Juan County, Utah	
CLARK-REED & ASSOC., INC. Durango, Colorado	DATE: MAY 18, 1984 FILE NO.: 84026

Tin Cup Mesa #3-25  
 Section 25, T38S, R25E  
 San Juan County, Utah



1. Blowout preventers, master valve, plug valve and all fittings must be in good condition. Use new API Seal Rings.
2. All fittings (gates, valves, etc.) to be of equivalent pressure rating as preventers. Valves to be flanged and at least 2" unless otherwise specified. Valves next to BOP to be plug type and nominal 3".
3. Equipment through which bit must pass shall be as large as the inside diameter of the casing that is being drilled through.
4. Safety valve must be available on rig floor at all times and with proper connections. The I.D. of safety valves should be as great as I.D. of tool joints on drill pipe.
5. Kelly safety valve installed, same working pressure as BOP's
6. All lines and controls to preventers must be connected and tested before drilling out of surface pipe.
7. BOP's must be fluid operated, complete with accumulator.
8. Spool not required, but when side outlet on BOP's is used, it must be below bottom ram.
9. Casinghead and casinghead fittings to be furnished by Marathon Oil Company.

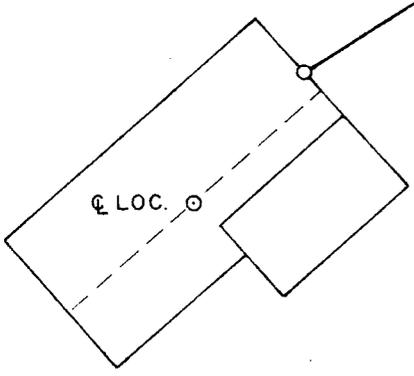


SCALE : 1" = 200'

I hereby certify that this plat represents a survey made under my supervision and that it is accurate to the best of my knowledge and belief.

*Frederick H. Reed*

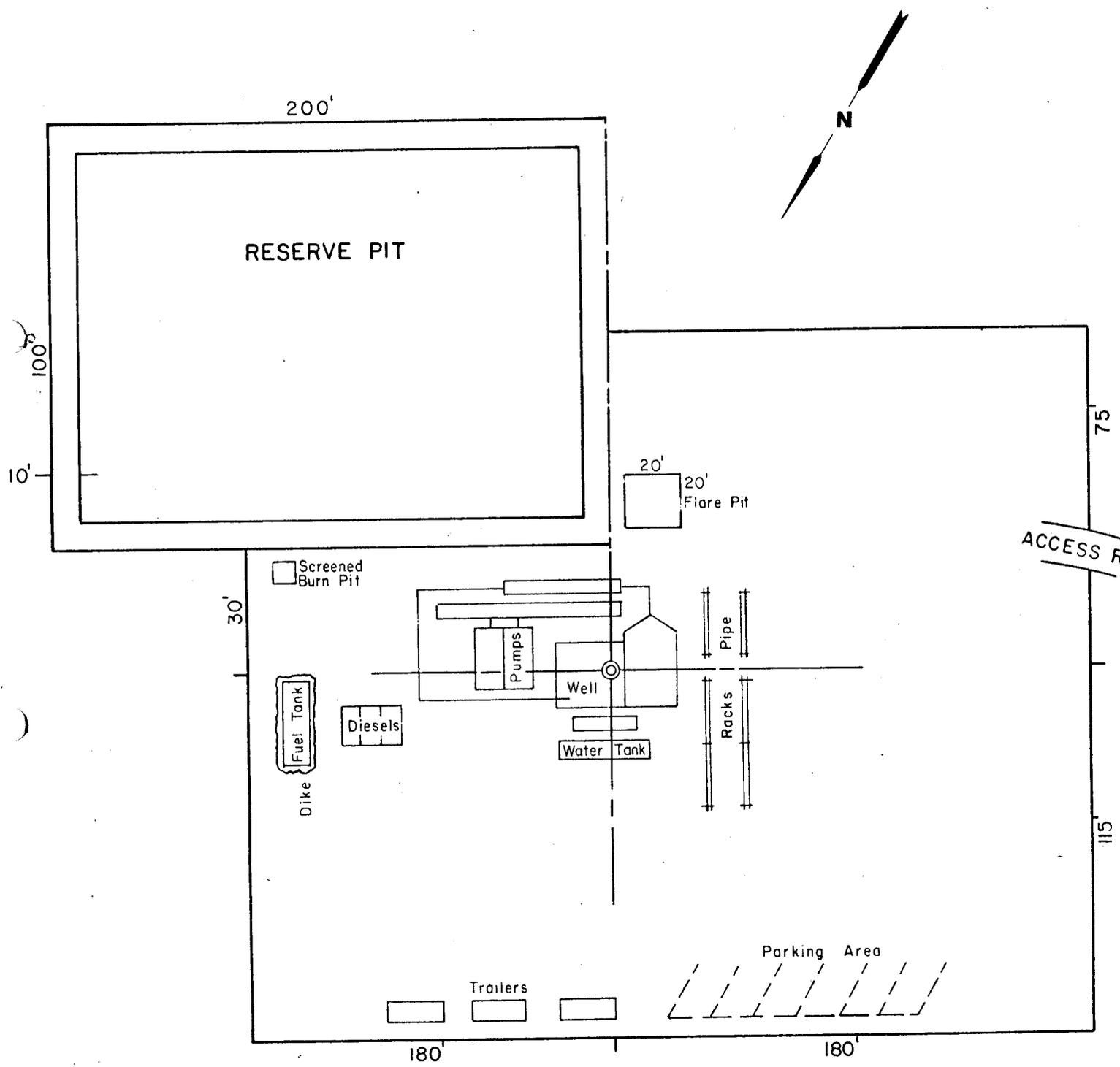
FREDERICK H. REED  
Registered Land Surveyor



MARATHON OIL COMPANY Casper, Wyoming	
ACCESS ROAD TIN CUP MESA NO. 3-25 Sec. 25, T. 38 S., R. 25 E. San Juan County, Utah	
DIAGRAM <u>B-1</u>	
CLARK-REED & ASSOC., INC. Durango, Colorado	DATE: MAY 18, 1984 FILE NO.: 84026

**SCHEMATIC  
of  
RIG LAYOUT**  
Scale 1"=50'  
PROPOSED

DIAGRAM C



Tin Cup Mesa #3-25  
Sec. 25 T 38 S R 25 E  
San Juan Co., Utah

OPERATOR Marathon Oil Company DATE 2-6-84  
WELL NAME Tin Cap Mesa 3-25  
SEC SESW 25 T 38S R 25E COUNTY San Juan

43-037-31020  
API NUMBER

Red  
TYPE OF LEASE

POSTING CHECK OFF:

<input type="checkbox"/>	INDEX	<input type="checkbox"/>	HL	<input type="checkbox"/>
<input type="checkbox"/>	NID	<input type="checkbox"/>	PI	<input type="checkbox"/>
<input type="checkbox"/>	MAP	<input type="checkbox"/>		<input type="checkbox"/>

PROCESSING COMMENTS:

1. Needs Water - (Water OK 7/25/84)  
09-1338 T-59665  
09-1366 T-59975

APPROVAL LETTER:

SPACING:  A-3 Tin Cap Mesa  c-3-a \_\_\_\_\_  
UNIT CAUSE NO. & DATE

c-3-b  c-3-c

SPECIAL LANGUAGE:

1. water

RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER Ten Cap Mesa

UNIT \_\_\_\_\_

c-3-b

c-3-c

CHECK DISTANCE TO NEAREST WELL.

CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

June 6, 1984

Marathon Oil Company  
P.O. Box 2659  
Casper, WY 82602

RE: Well No. Tin Cup Mesa 3-25  
SE1/4 Sec. 25, T. 38S, R. 25E  
773' FSL, 1830' FVL  
San Juan County, Utah

Gentlemen:

Approval to drill the above referenced oil well is hereby granted in accordance with Section 40-6-18, Utah Code Annotated, as amended 1983; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure, 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.

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 R. J. Firth, Associate Director, Telephone (801) 533-5771 (Office), 571-6068 (Home).
4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.

Marathon Oil Company  
Well No. Tin Cup Mesa 3-25  
June 6, 1984  
Page 2

5. 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 43-037-31020.

Sincerely,



Norman C. Stout  
Administrative Assistant

NCS/gl

cc: Branch of Fluid Minerals

Enclosures

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
 DRILL       DEEPEN       PLUG BACK

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

2. NAME OF OPERATOR  
 Marathon Oil Company

3. ADDRESS OF OPERATOR  
 P.O. Box 2659, Casper, WY 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
 At surface: 773' FSL & 1,830' FWL  
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 8 miles northwest of Hatch Trading Post, Utah

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)      773'

16. NO. OF ACRES IN LEASE      160

17. NO. OF ACRES ASSIGNED TO THIS WELL      70

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.      1681'

19. PROPOSED DEPTH      5,709'

20. ROTARY OR CABLE TOOLS      0'-5,709'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 5,046' ungraded ground

22. APPROX. DATE WORK WILL START\*  
 2nd Quarter 1984

RECEIVED

JUN 11 1984

DIVISION OF OIL GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.  
 U-13655

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
 Tin Cup Mesa

8. FARM OR LEASE NAME  
 Tin Cup Mesa

9. WELL NO.  
 3-25

10. FIELD AND POOL, OR WILDCAT  
 Tin Cup Mesa

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 Section 25, T38S, R25E

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
Please see Items #4 and #5 of Drilling Program				

Please see the following attachments:

1. Surveyor's Plat
2. Drilling Program and 13-Point Surface Plan
3. Maps and Diagrams

The person responsible for the APD is Walt West, Regulatory Coordinator:

Office: (307) 577-1555  
 Home: (307) 235-1420

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.

SIGNED Doyle L. Jones      TITLE District Operations Manager      DATE June 4, 1984  
*by J. B. O'Neal*

PERMIT NO. Kenneth V. Rhea      APPROVAL DATE Acting      DISTRICT MANAGER

APPROVED BY Kenneth V. Rhea      TITLE Acting      DISTRICT MANAGER      DATE 07 JUN 1984

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

CONDITIONS OF APPROVAL ATTACHED

\*See Instructions On Reverse Side

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

MDO  
 State of Utah - DDM

Marathon Oil Company  
Well No. Tin Cup Mesa 3-25  
Sec. 25, T. 38 S., R. 25 E.  
San Juan County, Utah  
Lease U-13655

Supplemental Stipulations:

1. The archaeological site to the south of the pad will be enclosed with a fence.
2. The archaeological site to the east of the pad will have a 700' long fence built between it and the pad.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPL  
(Other instructions  
reverse side)

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

5. LEASE DESIGNATION AND SERIAL NO.

U-13655

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

REC'D M/D JUL 16 1984

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

Marathon Oil Company

3. ADDRESS OF OPERATOR

P. O. Box 2659, Casper, Wyoming 82602

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

773' FSL & 1830' FWL

7. UNIT AGREEMENT NAME

Tin Cup Mesa

8. FARM OR LEASE NAME

Tin Cup Mesa

9. WELL NO.

3-25

10. FIELD AND POOL, OR WILDCAT

Tin Cup Mesa

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

Sec. 25, T38S, R25E

14. PERMIT NO. 6-6-84

15M4 43-037-31020

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

5046' GL 5058' KB

12. COUNTY OR PARISH 13. STATE

San Juan Utah

18. 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) Please See Below

PULL OR ALTER CASING   
MULTIPLE COMPLETE   
ABANDON\*   
CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF   
FRACTURE TREATMENT   
SHOOTING OR ACIDIZING   
(Other)

REPAIRING WELL   
ALTERING CASING   
ABANDONMENT\*

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

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

We propose to lay 3 1/2" Flow Line on the surface from well #3-25 to the header at well #2-25, for the purpose of testing well #3-25.

The only surface disturbance will be the dragging of the pipe into place. Pipe to be used:

New, 3 1/2" OD, Schedule 40, .216 Wall, Standard Black, P.E., Grade B, 1000' of A-53, 1000' of A-106.

Verbal permission was given to Walt West, Marathon Oil Company, 7-10-84, by Lynn Jackson and Bob Graff, BLM, Moab District.

Line will be monitored during useage and should a break or leak be found it will be corrected immediately.

RECEIVED

JUL 20 1984  
CASPER DISTRICT  
OPERATIONS

GOVERNMENT COMPLIANCE

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

SIGNED Doyle H. Jones TITLE District Operations Manager DATE July 11, 1984

(This space for Federal or State office use)

APPROVED BY [Signature] TITLE District mgr. DATE 7/17/84

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

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

SUBMIT IN TRIPLICATE  
(Other instructions  
verse side)

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

3. LEASE DESIGNATION AND SERIAL NO.

U-13655

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

**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

7. UNIT AGREEMENT NAME

Tin Cup Mesa

2. NAME OF OPERATOR

Marathon Oil Company

8. FARM OR LEASE NAME

Tin Cup Mesa

3. ADDRESS OF OPERATOR

P. O. Box 2659, Casper, Wyoming 82602

9. WELL NO.

3-25

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

773' FSL & 1830' FWL

10. FIELD AND POOL, OR WILDCAT

Tin Cup Mesa

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

Sec. 25, T38S, R25E

14. PERMIT NO. 6-6-84

43-037-31020

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

5046' GL 5058' KB

12. COUNTY OR PARISH 13. STATE

San Juan Utah

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF   
FRACTURE TREAT   
SHOOT OR ACIDIZE   
REPAIR WELL   
(Other) Please See Below

PULL OR ALTER CASING   
MULTIPLE COMPLETE   
ABANDON\*   
CHANGE PLANS

WATER SHUT-OFF   
FRACTURE TREATMENT   
SHOOTING OR ACIDIZING   
(Other) \_\_\_\_\_

REPAIRING WELL   
ALTERING CASING   
ABANDONMENT\*

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

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

We propose to lay 3½" Flow Line on the surface from well #3-25 to the header at well #2-25, for the purpose of testing well #3-25.  
The only surface disturbance will be the dragging of the pipe into place.  
Pipe to be used:

New, 3½" OD, Schedule 40, .216 Wall, Standard Black, P.E., Grade B, 1000' of A-53, 1000' of A-106.

Verbal permission was given to Walt West, Marathon Oil Company, 7-10-84, by Lynn Jackson and Bob Graff, BLM, Moab District.

Line will be monitored during usage and should a break or leak be found it will be corrected immediately.

**RECEIVED**

JUL 16 1984

DIVISION OF OIL  
GAS & MINING

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

SIGNED Doyle H. Jones

TITLE District Operations Manager

DATE July 11, 1984

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE  
(Other instructions  
verse side)

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

6

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 type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. U-13655
2. NAME OF OPERATOR Marathon Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. Box 2659, Casper, Wyoming 82602		7. UNIT AGREEMENT NAME Tin Cup Mesa
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 773' FSL & 1830' FWL		8. FARM OR LEASE NAME Tin Cup Mesa
14. PERMIT NO. 6-6-84 43-037-31020		9. WELL NO. 3-25
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5046' GL 5058' KB		10. FIELD AND POOL, OR WILDCAT Tin Cup Mesa
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 25, T38S, R25E
		12. COUNTY OR PARISH 13. STATE San Juan Utah

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

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

RECEIVED

JUL 18 1984

DIVISION OF OIL  
GAS & MINING

PROGRESS REPORT

From: 6-16-84 to 7-13-84

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

SIGNED Amy R. Whitlock TITLE Drilling Engineer DATE 7-13-84

(This space for Federal or State office use)

\*See Instructions on Reverse Side

- 6-16-84 425' MADE 385' IN CARMEL FORMATION. MW 8.4, VIS 27. DEV DEPTH 288', ANGLE 3/4°. MI, RU ROTARY TOOLS. SPUD WELL @ 7:00 P.M. 6-15-84. DRLD TO 288'. PRESENTLY DRLG @ 425', NO PROB.
- 6-17-84 1,490' MADE 1,065' IN CHINLE FORMATION. MW 9.4, VIS 36. DRLD & SURV TO 1,490'. RUN DIL-SFL-GR-CAL TD TO SURF. PRESENTLY RU CSG CREW. RAN CSG.
- 6-18-84 1,490' MADE 0' IN CHINLE FORMATION. MW 8.3, VIS 27. RAN 38 JTS, 8-5/8", 24#, K-55 CSG TO 1,488'. PMPD 458 SXS LITE +1/4#/SK CELLOPHANE FLAKES + 2% CACLZ FOLLOWED BY 350 SXS CLASS B + SAME ADDITIVES. CIRC APPROX 54 BBLs CMT TO SURF. DRLD FC. PRESENTLY DRLG CMT.
- 6-19-84 2,590' MADE 1,100' IN CUTLER FORMATION. MW 8.9, VIS 30. DEV DEPTH 1,687', 2°, 1,931', 1-3/4°, 2,454', 1°. TOTAL BHA 727.00. REMARKS: DRLD FLT SHOE @ 1,488'. DRLD 5' NEW FORM. TEST SHOE TO 13.2 PPG EMW. DRLD & CIRC @ 2,590', NO PROBLEM.
- 6-20-84 3,124' MADE 534' IN CUTLER FORMATION. MW 11.0, VIS 40. DEV DEPTH 2,454', 1°, 3,011', 3/4°. DRLD TO 3,124'. PRESENTLY DRLG AHEAD.
- 6-21-84 3,438' MADE 314' IN CUTLER FORMATION. MW 11.4, VIS 47. PRESENTLY DRLG @ 3,438'.
- 6-22-84 3,694' MADE 256' IN CUTLER FORMATION. MW 11.2, VIS 38. PRESENTLY DRLG @ 3,694'.
- 6-23-84 4,029' MADE 335' IN CUTLER FORMATION. MW 11.3, VIS 41. DRLD TO 4,029'. BGG: 0-5 U.
- 6-24-84 4,339' MADE 310' IN HONAKER TRAIL FORMATION. MW 11.2, VIS 40. DEV DEPTH 4,079', 1°. TOTAL BHA 726.64. DRLD & SURV TO 4,339'. BGG: 1-4 U.
- 6-25-84 4,509' MADE 170' IN HONAKER TRAIL FORMATION. MW 11.2, VIS 40. DRLD TO 4,438'. POH. PU BIT #4. RIH. BIT TOROUED ON AND NEAR BTM. DRLD TO 4,509'. PRESENTLY DRLG. BGG: 1-4 U.
- 6-26-84 4,660' MADE 151' IN HERMOSA FORMATION. MW 10.8, VIS 55. DRLD. POH. PU BIT #5. REAMED 4' TO BTM. WORK JUNK SUB. PRESENTLY DRLG @ 4,660'. BGG: 1-4 U.
- 6-27-84 4,941' MADE 281' IN HONAKER TRAIL FORMATION. MW 10.8+, VIS 54. DRLD TO 4,941', NO PROBLEM. BGG: 4-5 U.
- 6-28-84 5,198' MADE 257' IN HONAKER TRAIL FORMATION. MW 11.0, VIS 50. DEV DEPTH 4,971', 1°, DRLD TO 5,198', NO PROB. BGG: 3-5 U.
- 6-29-84 5,422' MADE 224' IN U. ISMAY FORMATION. MW 10.9, VIS 48. DRLD TO 5,414'. CIRC SAMPLES. DRLD TO 5,422'. PRESENTLY CIRC SAMPLES.
- 6-30-84 5,482' MADE 60' IN U. ISMAY FORMATION. MW 10.9, VIS 44. DEV DEPTH 5,422', 1/2°. POH. SLM 5,421.42 NO CORR. CORED 5,422'-5,482'. POH. LD CORE. REC 60'.

TIN CUP MESA #3-25 (CONTINUED)

- 7-1-84 5,581' MADE 99' IN HOVENWEEP FORMATION. MW 10.9, VIS 45. FIN RIH. CORED 5,482'-5,542'. POH. LD CORE. REC 59-1/2'. DRLD TO 5,581'.
- 7-2-84 5,713' MADE 132' IN DESERT CREEK FORMATION. MW 10.9, VIS 45. DRLD TO 5,702'. POH. PU CORE BBL. RIH FOR CORE #3. CORED 5,702' - 5,713'. LOWER ISMAY: 5,596'. GOTHIC: 5,642', DESERT CREEK 5,657'.
- 7-3-84 5,788' MADE 75' IN AKAH FORMATION. MW 11, VIS 49. FIN CORING 5,713'-5,745'. CIRC. POH. LD CORE, CORE BBL. REC 43'. RIH. DRLD TO 5,788'. CIRC SAMPLES. ST 10 STDS. PRESENTLY CIRC FOR LOGS.
- 7-4-84 5,788' MADE 0' IN AKAH FORMATION. MW 10.9, VIS 64. FIN CIRC. POH. PU LOGGERS. RUN #1: GR-DLL-MSFL-CAL; #2 GR-FDC-CNL-CAL; #3 GR-BHC-SONIC-VDL; RIH. CIRC. PRESENTLY POH. LD DP.
- 7-5-84 5,788' MADE 0' IN AKAH FORMATION. MW 8.3, VIS H<sub>2</sub>O. FIN LD DP, DC. RAN 146 JRS 5-1/2" CSG. LAND SHOE @ 5,784.5'. CMT W/950 SXS LITE FOLLOWED BY 160 SXS CL B. CIP @ 8:30 P.M. ND BOPE. SET SLIPS W/65,000#. NU TBG HD. TEST TO 2,000#. O.K. NU BOPE. WOC.
- 7-6-84 5,788' MADE 0' IN AKAH FORMATION. MW 8.3, VIS H<sub>2</sub>O. WOC 24 HRS.
- 7-7-84 5,788' MADE 0' IN AKAH FORMATION. MW 8.3, VIS H<sub>2</sub>O. WOC. RIH. TAG CMT @ 5,315'. PRESENTLY DRLG CMT @ 5,482'.
- 7-8-84 5,788' MADE 0' IN AKAH FORMATION. MW 8.3, VIS H<sub>2</sub>O. FIN DRLG CMT. FC @ 5,699'. RIH W/BIT AND SCRAPER. RIH W/MODEL "C" FULLBORE PKR TO ISOLATE CSG LEAK.
- 7-9-84 5,788' MADE 0' IN AKAH FORMATION. MW 8.3, VIS H<sub>2</sub>O. ISOLATE CSG CLR LEAK @ 752'. ESTABLISH CIRC @ 1/2 BPM, 850#. CMT RET.<sup>2</sup> SET @ 725'. CMT W/150 SXS CL "B" CMT + .8% FLUID LOSS \_ 3% CACL<sub>2</sub>. MAX PRESS 1,700#. CIP 11:30 P.M. 7-8-84. PRESENTLY WOC.
- 7-10-84 5,788' MADE 0' IN AKAH FORMATION. RIH. TAG CMT @ 717'. DRLD 7' CMT. DRLD ON RET 4-1/2 HRS. PRESENTLY DRLG CMT RET.
- 7-11-84 5,788' MADE 0' IN AKAH FORMATION. DRLD CMT RET. POH. LD BIT. MILLED RET AND 25' HARD CMT, TEST CSG TO 1,500#. RIH W/SCRAPER. CBU. POH. RAN CMT BOND LOG 0#, 500#, 1,000#. PRESENTLY LOG @ 1,500#.
- 7-12-84 5,788' MADE 0' IN AKAH FORMATION. FIN CBL. RIH. RU DOWELL, SPOT 100 GALS 15% HCL @ 752'. POH. PRESSURED CSG TO 2,350#. DECREASED 50# IN 30 MIN. REL PRESSURE. REPRESSURE TO 2,350 W/SAME RESULTS. PRESSURE TO 1,500# W/NO BLEED OFF IN 20 MIN. RIH. REV ACID. PU BAKER AL-2 LOK-SET PKR, FL ON-OFF TOOL. RIH W/2-7/8", 6.5#, N-80 TBG. PRESENTLY SPOTTING CORROSION INHIBITOR. PKR SETTING WILL BE 5,391'.
- 7-13-84 5,788' MADE 0' IN AKAH FORMATION. ND BOPE. SET PKR @ 5,391'. TEST TBG AND PKR TO 1,500 PSI O.K. TESTED ANNULUS AND PKR TO 1,500 PSI O.K. NU TREE. RELEASED RIG @ 1:00 P.M. 7-12-84.

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

14

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

RECEIVED

AUG 10 1984

DIVISION OF OIL  
GAS & MINING

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

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

2. NAME OF OPERATOR  
Marathon Oil Company

3. ADDRESS OF OPERATOR  
P.O. Box 2659, Casper, Wyoming 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations)  
At surface 773' FSL & 1830' FWL

At top prod. interval reported below  
At total depth

14. PERMIT NO. 43-037-31020  
DATE ISSUED June 6, 1984

5. LEASE DESIGNATION AND SERIAL NO.  
U-13655

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
Tin Cup Mesa

8. FARM OR LEASE NAME  
Tin Cup Mesa

9. WELL NO.  
3-25

10. FIELD AND POOL, OR WILDCAT  
Tin Cup Mesa

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
Sec. 25, T38S, R25E

12. COUNTY OR PARISH  
San Juan

13. STATE  
Utah

15. DATE SPUNNED 6/15/84  
16. DATE T.D. REACHED 7/4/84  
17. DATE COMPL. (Ready to prod.) 8/1/84  
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 5046' GL, 5058 KB  
19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 5788'  
21. PLUG, BACK T.D., MD & TVD 5784'  
22. IF MULTIPLE COMPL., HOW MANY\*  
23. INTERVALS DRILLED BY  
ROTARY TOOLS 0-5788'  
CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
Ismay 5460' - 5487', 5440' - 5448'  
25. WAS DIRECTIONAL SURVEY MADE  
No

26. TYPE ELECTRIC AND OTHER LOGS RUN  
CBL, DIL-SFL-GR-CAL, GR-DC-CNL-CAL, GR-BHC-SONIC-VDI, GR-DLL-MSFL-CAL  
27. WAS WELL CORED  
Yes

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24#	1488'	12 1/4"	808 SX	None
5 1/2"	17# & 15-5#	5784'	7 7/8"	1110 SX	" "

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30. TUBING RECORD
		None			SIZE 2 7/8" DEPTH SET (MD) 5388' PACKER SET (MD) 5391'

31. PERFORATION RECORD (Interval, size and number)

INTERVAL (MD)	SIZE	NUMBER
5460'-5487'	0.35 Dia.	4
5440'-5448'	Holes, 4 JSPF	4

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5460'-5487'	Acidized w/1500 gals. of HCl
5440'-5448'	displaced w/28 bbls. of N2
	w/1700 psi surface pressure

33.\* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
7/17/84	Flowing	Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
8/1/84	24	25/64		393	411	229	1047

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
300			393	411	229	45°

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  
To be sold

35. LIST OF ATTACHMENTS  
One (Core Analysis)

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

SIGNED Doyle L. Jones TITLE District Operations Manager DATE 8/7/84

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

8/8/84

11

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																							
Shinarump	2365'		<p><u>Cores</u></p> <p>Core #1 From 5,422' - 5,482' Recovered 60'</p> <p>Core #2 From 5,482' - 5,542' Recovered 59.5'</p> <p>Core #3 From 5,702' - 5,745' Recovered 43'</p> <p><u>Deviation</u></p> <table border="0"> <tr> <td>Depth</td> <td>Angle</td> </tr> <tr> <td>288'</td> <td>3/4°</td> </tr> <tr> <td>530'</td> <td>3/4°</td> </tr> <tr> <td>1,687'</td> <td>2°</td> </tr> <tr> <td>1,931'</td> <td>1 3/4°</td> </tr> <tr> <td>2,454'</td> <td>1°</td> </tr> <tr> <td>3,459'</td> <td>1°</td> </tr> <tr> <td>4,079'</td> <td>1°</td> </tr> <tr> <td>4,438'</td> <td>1 1/4°</td> </tr> <tr> <td>4,971'</td> <td>1°</td> </tr> <tr> <td>5,788'</td> <td>3/4°</td> </tr> <tr> <td>5,788'</td> <td>TD</td> </tr> </table>	Depth	Angle	288'	3/4°	530'	3/4°	1,687'	2°	1,931'	1 3/4°	2,454'	1°	3,459'	1°	4,079'	1°	4,438'	1 1/4°	4,971'	1°	5,788'	3/4°	5,788'	TD	2365'	
Depth	Angle																												
288'	3/4°																												
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5,788'	TD																												
Moenkopi	2414'			Moenkopi	2414'																								
Cutler	2460'			Cutler	2460'																								
Honaker Trail	4313'			Honaker Trail	4313'																								
Paradox	5251'			Paradox	5251'																								
Upper Ismay	5404'			Upper Ismay	5404'																								
Carbonate	5441'			Carbonate	5441'																								
Hovenweep	5552'			Hovenweep	5552'																								
Lower Ismay	5587'			Lower Ismay	5587'																								
Gothic Shale	5637'			Gothic Shale	5637'																								
Desert Creek	5651'			Desert Creek	5651'																								
Chimney Rock	5739'			Chimney Rock	5739'																								
Akah	5760'			Akah	5760'																								
	5784'	TD			5784'	TD																							

CORE LABORATORIES, INC.  
Petroleum Reservoir Engineering  
DALLAS, TEXAS

CORE ANALYSIS REPORT

FOR

MARATHON OIL COMPANY

3-25 TIN CUP MESA WELL  
TIN CUP MESA FIELD  
SAN JUAN COUNTY, UTAH

*Upper Ismay*

*Core 1 5422'-5482' Recovered 60'*

*Core 2 5482'-5542' Recovered 59.5'*

*Desert Creek*

*Core 3 5702'-5745' Recovered 43'*

**CORE LABORATORIES, INC.**  
*Petroleum Reservoir Engineering*  
 DALLAS, TEXAS

MARATHON OIL COMPANY  
 3-25 TIN CUP MESA WELL  
 TIN CUP MESA FIELD  
 SAN JUAN COUNTY, UTAH

DATE ON : 30-JUN-84 OFF: 24-JUL-84 FILE NO : 3803-3331  
 FORMATION : AS NOTED LABORATORY: FARMINGTON  
 DRLG. FLUID: WRM ANALYSTS : DS:EV  
 LOCATION : NW SE SW SEC. 25-T38S-R25E ELEVATION : 5058 KB

FULL DIAMETER ANALYSIS--BOYLE'S LAW POROSITY

SAMPLE NUMBER	DEPTH FEET	PERM MD MAX K <sub>a</sub>	PERM MD 90DEG K <sub>a</sub>	He POR	OILZ PORE	WTRZ PORE	GRAIN DEN	DESCRIPTION
ISMAY FORMATION								
	5422.0-43.0							ANHYDRITE-NO ANALYSIS
1	5443.0-44.0	0.01	**	2.9	3.7	33.0	2.88	DOL LTBRN VFXLN SL/ANHY
2	5444.0-45.0	1.6	1.4	10.8	13.8	30.5	2.84	DOL BRN FNXLN SL/CALC
3	5445.0-46.0	0.10	0.09	8.1	16.3	23.3	2.88	DOL BRN FNXLN SL/ANHY
4	5446.0-47.0	0.27	0.25	10.4	1.4	72.0	2.86	DOL BRN FNXLN SL/ANHY
5	5447.0-48.0	0.12	0.07	9.4	1.2	64.4	2.80	DOL BRN FNXLN SL/ANHY
6	5448.0-49.0	0.07	0.04	7.0	1.3	67.3	2.79	DOL BRN FNXLN SL/ANHY
7	5449.0-50.0	0.17	0.01	7.4	0.0	74.0	2.80	DOL BRN FNXLN SL/ANHY
8	5450.0-51.0	0.06	**	7.1	5.8	69.9	2.79	DOL BRN FNXLN SL/ANHY
9	5451.0-52.0	0.01	0.01	2.4	0.0	62.4	2.81	DOL BRN FNXLN SL/ANHY
10	5452.0-53.0	0.01	**	1.5	32.7	46.8	2.75	LM GRY VFXLN SL/DOL
11	5453.0-54.0	0.15	0.11	6.9	14.1	45.2	2.76	LM GRY FNXLN SL/DOL
12	5454.0-55.0	0.01	**	4.3	11.7	58.4	2.76	LM GRY FNXLN SL/DOL
13	5455.0-56.0	0.02	**	9.3	2.5	17.8	2.72	LM GRY FNXLN SL/DOL
14	5456.0-57.0	0.06	0.06	4.8	1.9	22.3	2.73	LM GRY FNXLN SL/DOL
15	5457.0-58.0	0.10	0.10	2.8	0.0	33.9	2.76	LM GRY FNXLN SL/DOL
16	5458.0-59.0	3.2	3.1	9.6	8.9	35.5	2.76	LM GRY FNXLN SL/DOL
17	5459.0-60.0	0.16	**	4.5	12.7	27.4	2.80	LM GRY FNXLN SL/DOL
18	5460.0-61.0	1.7	1.7	8.6	17.8	33.9	2.80	LM GRY FNXLN SL/DOL
19	5461.0-62.0	18.	**	15.7	18.7	32.0	2.85	DOL BRN FNXLN SL/CACL SL/ANHY
20	5462.0-63.0	18.	**	17.7	14.2	24.0	2.85	DOL BRN FNXLN SL/CACL SL/ANHY
21	5463.0-64.0	10.	9.9	16.8	15.9	29.8	2.84	DOL BRN FNXLN SL/CACL SL/ANHY
22	5464.0-65.0	15.	**	20.3	6.0	53.6	2.84	DOL BRN FNXLN SL/CACL SL/ANHY
23	5465.0-66.0	3.4	3.3	14.4	14.7	27.8	2.83	DOL BRN FNXLN SL/CACL SL/ANHY

These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations, as to the productivity, proper operations, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

**CORE LABORATORIES, INC.**  
*Petroleum Reservoir Engineering*

DALLAS, TEXAS

MARATHON OIL COMPANY  
 3-25 TIN CUP MESA WELL

DATE ON : 30-JUN-84 OFF: 24-JUL-84 FILE NO : 3803-3331  
 FORMATION : AS NOTED LABORATORY: FARMINGTON

FULL DIAMETER ANALYSIS--BOYLE'S LAW POROSITY

SAMPLE NUMBER	DEPTH FEET	PERM MD MAX Ka	PERM MD 90DEG Ka	He POR	OIL% PORE	WTR% PORE	GRAIN DEN	DESCRIPTION
24	5466.0-67.0	13.	11.	21.7	14.8	35.4	2.83	DOL BRN FNXLN SL/CACL SL/ANHY
25	5467.0-68.0	12.	11.	17.6	12.8	26.8	2.82	DOL BRN FNXLN SL/ANHY
26	5468.0-69.0	10.	9.7	17.0	17.0	37.7	2.84	DOL BRN FNXLN SL/ANHY
27	5469.0-70.0	7.4	7.3	15.9	14.8	26.6	2.85	DOL BRN FNXLN SL/ANHY
28	5470.0-71.0	7.9	6.6	15.5	16.4	37.4	2.86	DOL BRN FNXLN SL/ANHY
29	5471.0-72.0	0.80	0.76	6.8	1.8	35.4	2.80	LM GRY FNXLN SL/DOL
30	5472.0-73.0	2.4	1.7	7.2	2.3	37.1	2.77	LM GRY FNXLN SL/DOL SL/ANHY
31	5473.0-74.0	486.	156.	11.6	11.9	31.1	2.74	LM GRY FNXLN SL/DOL VUG
32	5474.0-75.0	16.	14.	11.6	13.4	50.4	2.73	LM GRY FNXLN SL/DOL VUG
33	5475.0-76.0	11.	9.0	10.6	6.1	36.5	2.72	LM GRY FNXLN VUG
34	5476.0-77.0	260.	104.	12.8	7.2	24.7	2.72	LM GRY FNXLN VUG
35	5477.0-78.0	10.	6.9	11.4	5.8	30.0	2.71	LM GRY FNXLN VUG
36	5478.0-79.0	95.	**	16.6	12.6	25.2	2.70	LM GRY FNXLN VUG
37	5479.0-80.0	112.	57.	14.2	12.7	48.7	2.72	LM GRY FNXLN VUG
38	5480.0-81.0	54.	30.	12.4	11.5	36.1	2.73	LM GRY FNXLN VUG
39	5481.0-82.0	14.	5.2	12.9	7.3	33.9	2.71	LM GRY FNXLN VUG
40	5482.0-83.0	8.8	4.8	12.8	9.8	29.5	2.72	LM GRY FNXLN VUG
41	5483.0-84.0	15.	12.	13.4	8.1	52.2	2.71	LM GRY FNXLN VUG
42	5484.0-85.0	43.	14.	14.2	6.5	25.8	2.71	LM GRY FNXLN VUG
43	5485.0-86.0	8.7	5.1	14.5	6.7	24.2	2.70	LM GRY FNXLN VUG
44	5486.0-87.0	0.67	**	11.3	6.2	60.4	2.82	DOL BRN FNXLN ERTHY
45	5487.0-88.0	0.94	**	20.1	0.0	73.9	2.81	DOL BRN FNXLN ERTHY
46	5488.0-89.0	0.51	**	18.5	0.0	77.3	2.81	DOL BRN FNXLN ERTHY
47	5489.0-90.0	1.7	**	24.3	0.4	67.6	2.80	DOL BRN FNXLN ERTHY
48	5490.0-91.0	13.	11.	26.7	0.0	75.5	2.80	DOL BRN FNXLN ERTHY
49	5491.0-92.0	5.6	5.6	22.6	0.0	65.0	2.82	DOL BRN FNXLN ERTHY
50	5492.0-93.0	1.0	0.47	6.7	0.0	68.0	2.74	LM GRY FNXLN SL/DOL SL/VUG
51	5493.0-94.0	38.	**	12.0	4.9	23.3	2.74	LM GRY FNXLN SL/DOL SL/VUG
52	5494.0-95.0	4.2	**	9.6	7.8	38.0	2.72	LM GRY FNXLN SL/VUG
53	5495.0-96.0	3.9	**	10.6	6.3	26.9	2.70	LM GRY FNXLN SL/VUG

These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations, as to the productivity, proper operations, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

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*Petroleum Reservoir Engineering*

DALLAS, TEXAS

MARATHON OIL COMPANY  
 3-25 TIN CUP MESA WELL

DATE ON : 30-JUN-84 OFF: 24-JUL-84 FILE NO : 3803-3331  
 FORMATION : AS NOTED LABORATORY: FARMINGTON

FULL DIAMETER ANALYSIS---BOYLE'S LAW POROSITY

SAMPLE NUMBER	DEPTH FEET	PERM MD MAX Ka	PERM MD 90DEG Ka	He POR	OIL% PORE	WTR% PORE	GRAIN DEN	DESCRIPTION
54	5496.0-97.0	1.0	**	7.1	7.4	59.1	2.70	LM GRY FNXLN SL/VUG
55	5497.0-98.0	11.	8.2	11.0	6.8	29.3	2.70	LM GRY FNXLN SL/VUG
56	5498.0-99.0	0.69	**	4.9	4.4	26.5	2.71	LM GRY FNXLN SL/VUG
57	5499.0- 0.0	4.1	2.8	8.4	0.0	18.3	2.72	LM GRY FNXLN SL/VUG
58	5500.0- 1.0	0.55	**	4.2	13.8	27.6	2.72	LM GRY FNXLN SL/VUG
59	5501.0- 2.0	* 3.1	1.6	1.9	2.5	25.1	2.73	LM GRY FNXLN
60	5502.0- 3.0	* 5.9	3.9	4.4	0.0	60.5	2.75	LM GRY FNXLN SL/DOL
61	5503.0- 4.0	0.33	0.20	4.0	0.0	46.0	2.75	LM GRY FNXLN SL/DOL
62	5504.0- 5.0	0.02	**	2.6	0.0	56.1	2.80	DOL LTBRN FNXLN SL/CALC
63	5505.0- 6.0	0.04	**	12.1	0.0	67.2	2.80	DOL LTBRN FNXLN SL/CALC
64	5506.0- 7.0	<0.01	**	1.8	0.0	66.1	2.76	LM GRY VFXLN SL/DOL
65	5507.0- 8.0	0.05	0.04	3.8	0.0	62.6	2.72	LM GRY VFXLN SL/DOL
66	5508.0- 9.0	0.01	**	6.5	0.0	57.3	2.74	LM GRY VFXLN SL/DOL
67	5509.0-10.0	0.37	0.32	7.7	0.0	53.0	2.77	LM GRY VFXLN SL/DOL
68	5510.0-11.0	0.06	**	8.2	0.0	59.1	2.76	LM GRY VFXLN SL/DOL
69	5511.0-12.0	0.05	**	4.5	0.0	67.3	2.73	LM GRY VFXLN SL/DOL
70	5512.0-13.0	0.34	0.32	9.0	0.0	68.1	2.74	LM GRY VFXLN SL/DOL
71	5513.0-14.0	0.44	0.43	9.7	0.0	65.1	2.77	LM GRY VFXLN SL/DOL
72	5514.0-15.0	55.	**	25.4	0.0	61.9	2.82	DOL BRN FNXLN ERTHY
73	5515.0-16.0	3.3	**	22.7	0.4	58.5	2.82	DOL BRN FNXLN ERTHY
74	5516.0-17.0	0.25	**	12.4	1.3	57.0	2.78	LM GRY FNXLN SL/DOL
75	5517.0-18.0	<0.01	**	5.4	9.2	55.5	2.75	LM GRY VFXLN SL/SHY SL/DOL
76	5518.0-19.0	<0.01	**	4.4	0.0	75.4	2.76	LM GRY VFXLN SL/SHY SL/DOL
77	5519.0-20.0	<0.01	**	5.0	4.4	61.4	2.78	LM GRY VFXLN SL/SHY SL/DOL
78	5520.0-21.0	<0.01	**	0.9	6.8	54.7	2.71	LM GRY VFXLN SL/SHY
79	5521.0-22.0	<0.01	**	3.5	0.0	75.2	2.75	LM GRY VFXLN SL/DOL
80	5522.0-23.0	0.42	0.35	10.7	0.0	56.1	2.79	DOL BRN FNXLN SL/CALC
81	5523.0-24.0	2.1	**	20.1	0.0	69.6	2.81	DOL BRN FNXLN SL/CALC
82	5524.0-25.0	0.07	**	5.6	0.0	76.9	2.74	LM GRY VFXLN SL/DOL
83	5525.0-26.0	0.20	0.14	7.8	0.0	69.3	2.76	LM GRY VFXLN SL/DOL

These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations, as to the productivity, proper operations, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

**CORE LABORATORIES, INC.**  
*Petroleum Reservoir Engineering*

DALLAS, TEXAS

MARATHON OIL COMPANY  
 3-25 TIN CUP MESA WELL

DATE ON : 30-JUN-84 OFF: 24-JUL-84 FILE NO : 3803-3331  
 FORMATION : AS NOTED LABORATORY: FARMINGTON

FULL DIAMETER ANALYSIS--BOYLE'S LAW POROSITY

SAMPLE NUMBER	DEPTH FEET	PERM MD MAX K <sub>a</sub>	PERM MD 90DEG K <sub>a</sub>	He POR	OILZ PORE	WTRZ PORE	GRAIN DEN	DESCRIPTION
84	5526.0-27.0	1.3	**	7.3	0.0	49.0	2.74	LM GRY VFXLN SL/DOL
85	5527.0-28.0	3.3	3.1	7.6	0.0	62.9	2.73	LM GRY VFXLN SL/DOL
86	5528.0-29.0	1.3	0.88	6.1	0.0	58.4	2.76	LM GRY VFXLN SL/DOL
87	5529.0-30.0	30.0	8.0	11.0	0.0	35.5	2.73	LM GRY VFXLN SL/VUG
88	5530.0-31.0	16.0	14.0	12.5	0.0	50.2	2.72	LM GRY VFXLN SL/VUG
89	5531.0-32.0	27.0	15.0	11.8	0.0	60.7	2.74	LM GRY VFXLN SL/VUG
90	5532.0-33.0	5.2	3.9	11.4	0.0	65.8	2.80	LM GRY FNXLN SL/VUG SL/DOL
91	5533.0-34.0	39.0	**	11.1	0.0	73.5	2.79	LM GRY FNXLN SL/VUG SL/DOL
92	5534.0-35.0	9.1	8.0	13.9	0.0	66.1	2.78	LM GRY FNXLN SL/VUG SL/DOL
93	5535.0-36.0	13.0	9.7	14.0	0.0	58.9	2.77	LM GRY FNXLN SL/VUG SL/DOL
94	5536.0-37.0	6.5	6.2	12.8	0.0	59.0	2.76	LM GRY FNXLN SL/VUG SL/DOL
95	5537.0-38.0	36.0	**	10.0	0.0	48.6	2.78	LM GRY FNXLN SL/VUG SL/DOL
96	5538.0-39.0	1.0	**	7.5	0.0	52.3	2.72	LM GRY FNXLN SL/VUG SL/DOL
97	5539.0-40.0	11.0	1.6	9.0	0.0	38.7	2.77	LM GRY FNXLN SL/VUG SL/DOL
98	5540.0-41.0	0.06	**	9.5	0.0	36.1	2.78	LM GRY FNXLN SL/VUG SL/DOL
99	5541.0-42.0	0.69	**	6.9	0.0	34.0	2.75	LM GRY FNXLN SL/VUG SL/DOL
	5542.0- 2.0							DRILLED

DESERT CREEK FORMATION

	5702.0-18.0							LM SL/ANHY-NO ANALYSIS
	5718.0-25.0							ANHYDRITE-NO ANALYSIS
100	5725.0-26.0	<0.01	**	6.0	2.2	83.6	2.75	LM DKBRN VFXLN SL/DOL SL/SHY
101	5726.0-27.0	0.01	0.01	4.9	2.2	76.1	2.75	LM DKBRN VFXLN SL/DOL SL/SHY
102	5727.0-28.0	<0.01	**	5.4	6.1	73.6	2.75	LM DKBRN VFXLN SL/DOL SL/SHY
103	5728.0-29.0	0.01	**	5.7	8.4	67.0	2.75	LM DKBRN VFXLN SL/DOL SL/SHY
104	5729.0-30.0	0.01	0.01	3.2	0.0	65.3	2.73	LM DKBRN VFXLN SL/DOL SL/SHY
105	5730.0-31.0	0.01	<0.01	2.7	0.0	59.4	2.75	LM DKBRN VFXLN SL/DOL SL/SHY
106	5731.0-32.0	0.01	**	2.3	0.0	75.9	2.72	LM DKBRN VFXLN SL/DOL SL/SHY

These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations, as to the productivity, proper operations, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

CORE LABORATORIES, INC.

Petroleum Reservoir Engineering

DALLAS, TEXAS

MARATHON OIL COMPANY  
3-25 TIN CUP MESA WELL

DATE ON : 30-JUN-84  
FORMATION : AS NOTED

OFF: 24-JUL-84 FILE NO : 3803-3331  
LABORATORY: FARMINGTON

FULL DIAMETER ANALYSIS---BOYLE'S LAW POROSITY

SAMPLE NUMBER	DEPTH FEET	PERM MD MAX K <sub>a</sub>	PERM MD 90DEG K <sub>a</sub>	He POR	OILZ PORE	WTRZ PORE	GRAIN DEN	DESCRIPTION
107	5732.0-33.0	0.01	0.01	4.7	0.0	81.0	2.75	LM DKBRN VFXLN SL/DOL SL/SHY
108	5733.0-34.0	0.01	0.01	4.9	0.0	74.5	2.74	LM DKBRN VFXLN SL/DOL SL/SHY
109	5734.0-35.0	0.01	0.01	4.5	43.7	41.4	2.74	LM DKBRN VFXLN SL/DOL
110	5735.0-36.0	<0.01	**	9.8	49.8	32.4	2.75	LM DKBRN VFXLN SL/DOL
111	5736.0-37.0	0.01	**	7.7	25.6	55.5	2.75	LM DKBRN VFXLN SL/DOL
112	5737.0-38.0	0.01	**	8.7	4.9	78.3	2.76	LM DKBRN VFXLN SL/DOL
113	5738.0-39.0	0.01	<0.01	4.7	0.0	66.8	2.76	LM DKBRN VFXLN SL/DOL SL/SHY
114	5739.0-40.0	0.01	**	4.1	11.1	66.6	2.75	LM DKBRN VFXLN SL/DOL SL/SHY
115	5740.0-41.0	0.02	**	4.0	4.8	67.7	2.75	LM DKBRN VFXLN SL/DOL SL/SHY
116	5741.0-42.0	0.01	**	3.5	7.1	56.7	2.74	LM DKBRN VFXLN SL/DOL SL/SHY
117	5742.0-43.0	0.03	**	3.8	9.5	66.7	2.73	LM DKBRN VFXLN SL/DOL SL/SHY
	5743.0-45.0							SHALE-NO ANALYSIS

\*Indicates Fractured Permeability

\*\*Indicates Sample Unsuitable for Full Diameter Analysis,  
Conventional Plug Used.

**CORE LABORATORIES, INC.**



*Petroleum Reservoir Engineering*

COMPANY MARATHON OIL COMPANY FILE NO. 3803-3331  
 WELL 3-25 TIN CUP MESA DATE 30-JUN-84  
 FIELD TIN CUP MESA FORMATION AS NOTED ELEV. 5058 KB  
 COUNTY SAN JUAN STATE UTAH DRLG. FLD. WBM CORES \_\_\_\_\_  
 LOCATION NW SE SW SEC. 25-T38S-R25E

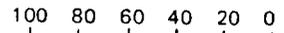
**CORRELATION COREGRAPH**

These analyses, opinions or interpretations are based on observations and material supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc., (all errors or omissions excepted); but Core Laboratories, Inc., and its officers and employees, assume no responsibility and make no warranty or representations as to the productivity, proper operation, or profitableness of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

VERTICAL SCALE: 5" = 100'

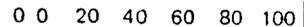
Total Water \_\_\_\_\_

PERCENT PORE SPACE



Oil Saturation \_\_\_\_\_

PERCENT PORE SPACE



Gamma Ray

RADIATION INCREASE →

Permeability \_\_\_\_\_

MILLIDARCIES



Porosity \_\_\_\_\_

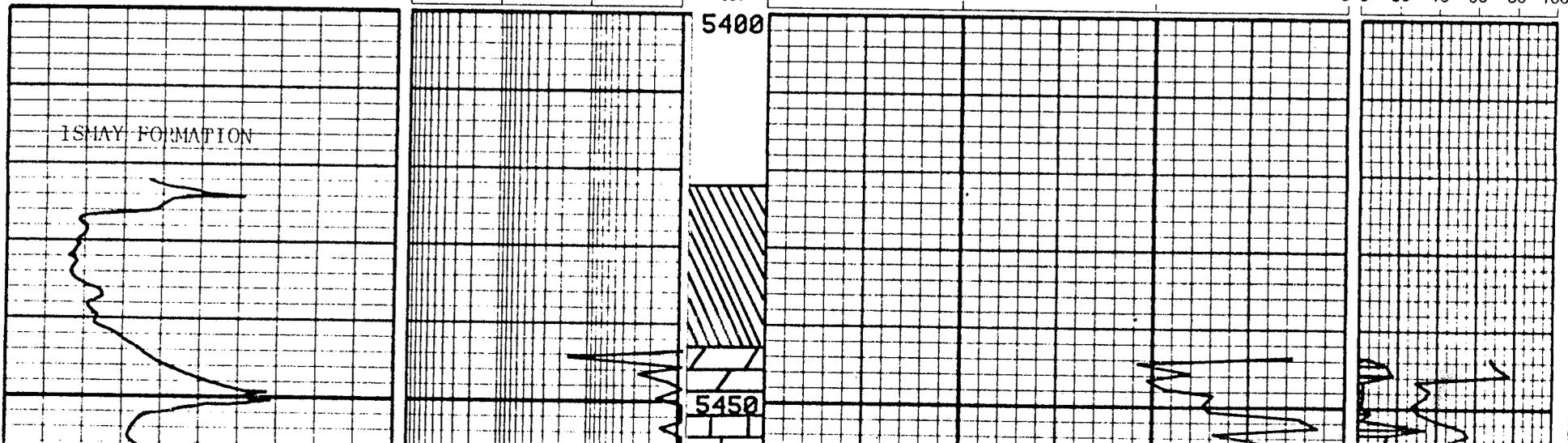
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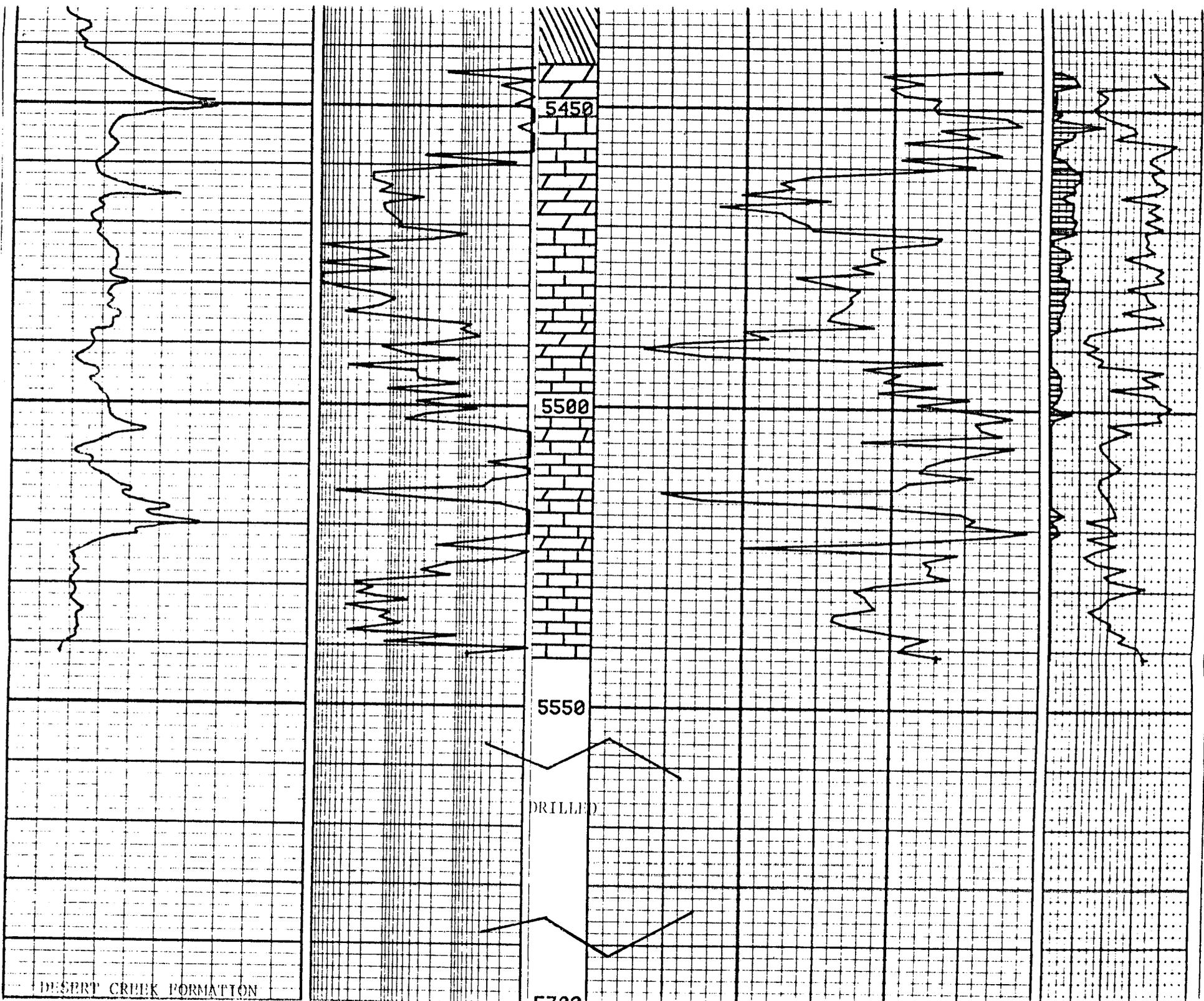


Depth Feet

5400

5450





5450

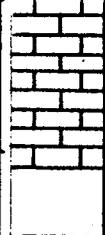
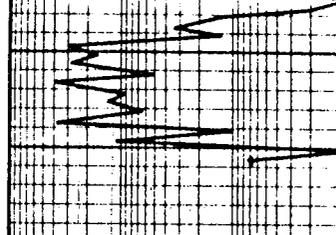
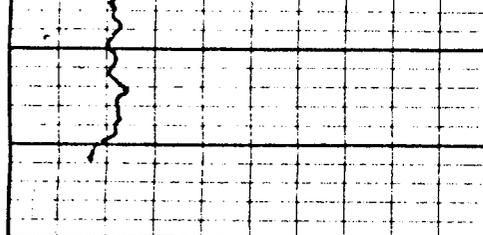
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5550

DRILLED

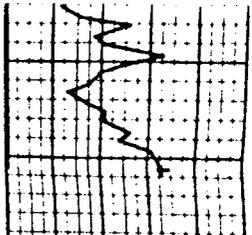
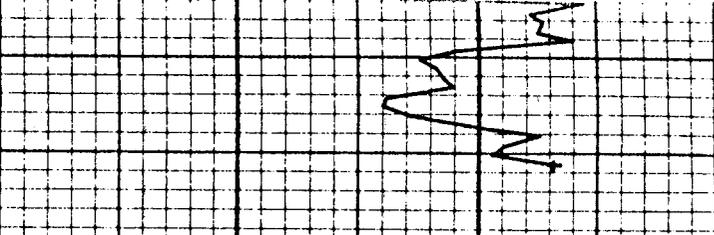
5700

DESERT CREEK FORMATION

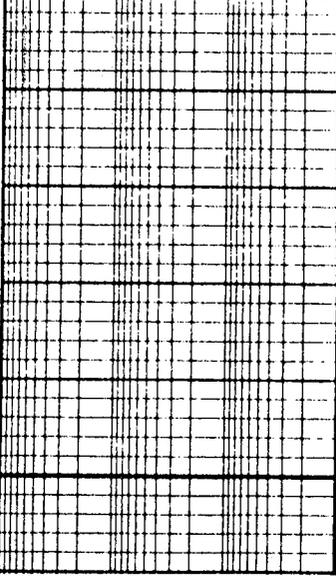
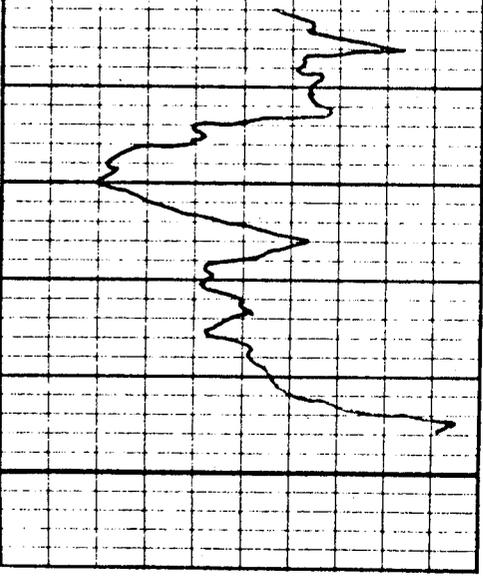


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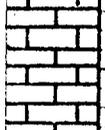
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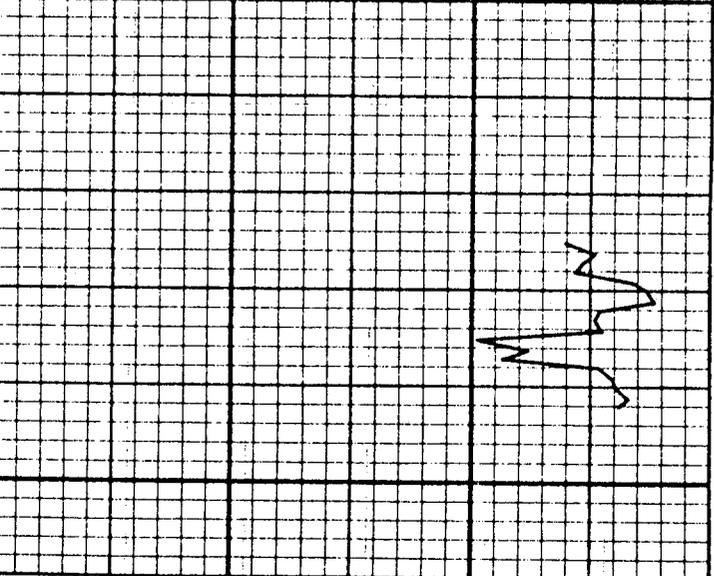
DESERT CREEK FORMATION



5700



5750





P.O. Box 2659  
Casper, Wyoming 82602  
Telephone 307/577-1555

October 1, 1984

Claudia Jones  
Division of Oil, Gas & Mining  
Natural Resources  
State of Utah  
Salt Lake City, Utah 84114

**RECEIVED**

OCT 4 1984

**DIVISION OF OIL  
GAS & MINING**

Re: Marathon Oil Company  
#3-25 Tin Cup Mesa  
773' FSL, 1,830' FWL  
Section 25, T38S, R25E  
San Juan County, Utah

Dear Claudia:

Enclosed please find one copy of the Cement Bond Log for #3-25. This log should complete your well data file for #3-25.

Please acknowledge the receipt of this log by signing the attached copy of this letter. A self-addressed envelope has been provided for your convenience. Thank you.

If you have any questions regarding this matter, contact myself or Walt West at our Casper District Operations Office (307-577-1555).

Sincerely,

A handwritten signature in cursive script that reads 'Elizabeth C. Strathouse'.

Elizabeth C. Strathouse  
Geologist

ECS:mrt

Attachment

cc: WRF

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE  
(Other instructions on reverse side)

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		<b>RECEIVED</b> <b>OCT 09 1984</b> <b>DIVISION OF OIL GAS &amp; MINING</b>	5. LEASE DESIGNATION AND SERIAL NO. U-13655
2. NAME OF OPERATOR Marathon Oil Company			6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. Box 2659, Casper, Wyoming 82602			7. UNIT AGREEMENT NAME Tin Cup Mesa
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface  773' FSL & 1830' FWL			8. FARM OR LEASE NAME Tin Cup Mesa
14. PERMIT NO. 6-6-84 43-037-31020		15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5046' GL 5058' KB	9. WELL NO. 3-25
			10. FIELD AND POOL, OR WILDCAT Tin Cup Mesa
			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 25, T38S, R25E
			12. COUNTY OR PARISH San Juan
			13. STATE Utah

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

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

Please See Below

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.)\*

We propose to permanently lay the 3-1/2" Flow Line from well #3-25 to the header of well #2-25. Approximately 600' to 800' from the location, down the side of the Mesa will be insulated with insulation colored to match the area. Approximately 1200' to 1400' will be buried.

Verbal permission to lay the production line permanently, was given by Bob Turri, BLM to Tom Nicholson, Marathon Oil Company. The disturbed area will be rehabbed to BLM specifications.

Attachments (1)

*Doyle L. Jones by DWL*

18. I hereby certify that the foregoing is true and correct  
SIGNED Doyle L. Jones TITLE District Operations Manager DATE October 4, 1984

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE  
(Other instructions on reverse side)

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

5. LEASE DESIGNATION AND SERIAL NO.

U-13 655

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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.)

7. UNIT AGREEMENT NAME

Tin Cup Mesa

8. FARM OR LEASE NAME

Tin Cup Mesa

9. WELL NO.

3-25

10. FIELD AND POOL, OR WILDCAT

Tin Cup Mesa

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

Sec. 25, T38S, R25E

12. COUNTY OR PARISH 13. STATE

San Juan

Utah

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR

Marathon Oil Company

3. ADDRESS OF OPERATOR

P. O. Box 2690, Cody, Wyoming 82414

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

At surface  
773' FNL & 1830' FEL

RECEIVED  
MAY 10 1989

DIVISION OF  
OIL, GAS & MINING

14. PERMIT NO.

49-037-31020

15. ELEVATIONS (Show whether Dr., M., or C.F.)

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF   
FRACTURE TREAT   
SHOOT OR ACIDIZE   
REPAIR WELL   
(Other)

PULL OR ALTER CASING   
MULTIPLE COMPLETE   
ABANDON\*   
CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF   
FRACTURE TREATMENT   
SHOOTING OR ACIDIZING   
(Other)  Shut-In

REPAIRING WELL   
ALTERING CASING   
ABANDONMENT\*

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

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

The above referenced well has been shut-in for pressure observation.

BLM-Orig & 3--cc: <sup>SUBDOG</sup> ~~WOCCE-2~~, WRF, FMK, ~~TRK~~, ~~TRK~~, GBP, ~~TRK~~, Title & Contract (Houston)

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

SIGNED R.P. Meador

TITLE Regulatory Coordinator

DATE April 17, 1989

(This space for Federal or State office use)

APPROVED BY ACCEPTED

TITLE Branch of Fluid Minerals  
Moab District

DATE MAY 1

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

Budget Bureau No. 1004-0100  
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-13655

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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 TO DRILL" for such proposals.)

1. OIL WELL  GAS WELL  OTHER

RECEIVED  
SEP 05 1989

2. NAME OF OPERATOR  
Marathon Oil Company

3. ADDRESS OF OPERATOR

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

773' FNL & 1830' FEL

7. UNIT AGREEMENT NAME

Tin Cup Mesa

8. FARM OR LEASE NAME

Tin Cup Mesa

9. WELL NO.

3-25

10. FIELD AND POOL, OR WILDCAT

Tin Cup Mesa

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

Sec. 25, T38S, R25E

14. PERMIT NO.

43-037-31020

15. ELEVATIONS (Show whether DT, RT, GR, ETC.)

12. COUNTY OR PARISH 13. STATE

San Juan Utah

16.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANE

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Reactivated

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

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

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

The above referenced well was reactivated on August 23, 1989. The well is presently producing from the Upper Ismay.

BLM-Orig & 3--cc: SUDOGM-2, WRF, FMK, WTR, GBP, Title & Contract (Houston)

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

SIGNED RPM

TITLE Regulatory Coordinator

DATE August 23, 1989

(This space for Federal or State office use)

APPROVED BY [Signature]

TITLE Branch of Fluid Minerals  
Hosh District

DATE AUG 25 1989

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

Form approved  
Budget Bureau No. 1004-0135  
Expires August 31, 1995

14

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  
Marathon Oil Company

3. ADDRESS OF OPERATOR  
P. O. Box 2690, Cody, Wyoming 82414

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)  
At surface  
773' FNL & 1830' FEL

5. LEASE DESIGNATION AND SERIAL NO.  
U-13655

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
Tin Cup Mesa

8. FARM OR LEASE NAME  
Tin Cup Mesa

9. WELL NO.  
3-25

10. FIELD AND POOL, OR WILDCAT  
Tin Cup Mesa

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 25, T38S, R25E

12. COUNTY OR PARISH 13. STATE  
San Juan Utah

14. PERMIT NO.  
43-037-31020

15. ELEVATIONS (Show whether DT, RT, GK, etc.)

RECEIVED  
NOV 24 1989  
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"/>	WATER SHUT-OFF	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	FRACTURE TREATMENT	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	SHOOTING OR ACIDIZING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	(Other) <u>Shut-In</u>	<input checked="" type="checkbox"/>
(Other)	<input type="checkbox"/>		
PULL OR ALTER CASING	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
CHANGE PLANS	<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.)

On October 10, 1989, the above referenced well was shut-in for a pressure build-up test. Plans are to reactivate this well once test results are analysed.

OIL AND GAS	
DRM	ELF
JRB	GLH
DTS	SLS
I-TAS	
MICROFILM <input checked="" type="checkbox"/>	
DATE: October 26, 1989	

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

SIGNED R.P. Meador TITLE Regulatory Coordinator DATE October 26, 1989

(This space for Federal or State office use)

APPROVED BY [Signature] TITLE Branch of Fluid Minerals Moab District DATE NOV 9 1989

CONDITIONS OF APPROVAL, IF ANY:

\*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.

UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 BUREAU OF LAND MANAGEMENT

REMIT IN TRIPPLICATE  
 (MAY BE INSTRUCTIONS OF THE  
 FORM 200)

EXPIRES AUGUST 31, 1995  
 LEASE DESIGNATION AND SERIAL NO.

U-13655

14

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  
 Marathon Oil Company

3. ADDRESS OF OPERATOR  
 P. O. Box 2690, Cody, Wyoming 82414

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)  
 At surface  
 773' FNL & 1830' FEL

5. WELL NO.  
 3-25

6. FIELD AND POOL, OR WILDCAT  
 Tin Cup Mesa

7. UNIT AGREEMENT NAME  
 Tin Cup Mesa

8. FARM OR LEASE NAME  
 Tin Cup Mesa

11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA  
 Sec. 25, T38S, R25E

12. COUNTY OR PARISH  
 San Juan

13. STATE  
 Utah

14. PERMIT NO.  
 43-037-31020

15. ELEVATIONS (Show whether DT, RT, GA, ELL)

RECEIVED  
 FEB 16 1990  
 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"/>	FELL 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 checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANE <input type="checkbox"/>	(Other) <u>Status Change</u>	

(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.)

On January 23, 1990, the above referenced well was reactivated. On January 30, 1990, the well was once again shut-in. Presently the well is a shut-in Upper Ismay Producer.

CLEAN GAS	
DIN	RJF
JFD	GLH
DTS	SLS

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

SIGNED [Signature] TITLE Regulatory Coordinator DATE January 30, 1990

(This space for Federal or State office use)

APPROVED BY ACCEPTED TITLE Branch of Fluid Minerals DATE FEB - 1 1990  
 CONDITIONS OF APPROVAL IF ANY: Moab District

\*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.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**RECEIVED**  
JAN 22 1991  
DIVISION OF  
OIL, GAS & MINING

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
**Marathon Oil Company**

3. Address and Telephone No.  
**P. O. Box 2690, Cody, Wyoming 82414      (307) 587-4961**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**773' FNL & 1830' FEL, Sec. 25, T38S, R25E**

5. Lease Designation and Serial No.  
**U-13655**

6. If Indian, Allottee or Tribe Name  
 ---

7. If Unit or CA, Agreement Designation  
**Tin Cup Mesa**

8. Well Name and No.  
**Tin Cup Mesa #3-25**

9. API Well No.  
**43-037-31020** *see*

10. Field and Pool, or Exploratory Area  
**Tin Cup Mesa**

11. County or Parish, State  
**San Juan County, 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 checked="" type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input checked="" type="checkbox"/> Other  <input type="checkbox"/> Change of Plans <input type="checkbox"/> New Construction <input type="checkbox"/> Non-Routine Fracturing <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Conversion to Injection

**Retain Shut-in**  
(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.)\*

Shut-in status for this well is due to expire on February 1, 1991. At this time Marathon requests approval to retain this well in a shut-in status.

Dist: BLM-Orig + 3--cc: UDOGM-2, WRF, FMK, WTR-5, SPO, Title & Contracts (Houston)

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

Signed *R.P. Mealon by FMK* Title Regulatory Coordinator Date 12/26/90  
(This space for Federal or State office use)  
Moab District

Approved by *[Signature]* Title \_\_\_\_\_ Date JAN 9 1991  
 Conditions of approval, if any: \_\_\_\_\_

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

Form 3160-5  
(June 1990)

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 reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

**U-13655**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

**Tin Cup Mesa**

8. Well Name and No.

**Tin Cup Mesa #3-25**

9. API Well No.

**43-037-31020**

10. Field and Pool, or Exploratory Area

**Tin Cup Mesa**

11. County or Parish, State

**San Juan County, Utah**

*SUBMIT IN TRIPLICATE*

1. Type of Well

Oil Well     Gas Well     Other

2. Name of Operator

**Marathon Oil Company**

3. Address and Telephone No.

**P. O. Box 2690, Cody, Wyoming 82414    (307) 587-4961**

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

**773' FNL & 1830' FEL, Sec. 25, T38S, R25E**

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

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

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

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

Prior Status: Shut-in Producer

Present Status: Active Producer, July 24, 1991

**RECEIVED**

**AUG 12 1991**

**DIVISION OF  
OIL GAS & MINING**

Dist: BLM-Orig + 3--cc: (SUDOGM-2, WRF, FMK, WTR-5, SPO, Title & Contracts (Houston))

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

Signed

*[Signature]*

Title

**Regulatory Coordinator**

Date

**7/26/91**

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

**Branch of Fluid Minerals  
Moab District**

Date

**AUG - 5 1991**

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

\*See Instruction on Reverse Side

Sec. 25, T. 38 S., R. 25 E.  
Well No. 3-25  
Marathon Oil Company  
Tin Cup Mesa Unit  
Lease U-13655  
Resumed Production

CONDITIONS OF APPROVAL

Regulations 43 CFR 3162.4-1(c) require BLM notification not less than five business days following initial or resumed production. To assure compliance, we recommend you call the BLM, Moab District Office at (801) 259-6111 with such notification in addition to submitting the sundry notice.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

WRF-999  
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 reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

U-13655

6. If Indian, Allottee or Tribe Name

-----

7. If Unit or CA, Agreement Designation

Tin Cup Mesa

8. Well Name and No.

Tin Cup Mesa #3-25

9. API Well No.

43-037-31020

10. Field and Pool, or Exploratory Area

Tin Cup Mesa

11. County or Parish, State

San Juan, Utah

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

Marathon Oil Company

3. Address and Telephone No.

P.O. Box 2690 Cody, Wyoming 82414 (307) 587-4961

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

773' FNL & 1830' FEL Sec.25, T38S, R25E

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

TYPE OF SUBMISSION

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

TYPE OF ACTION

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

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

13. 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.)\*

Prior Status: Shut-In Ismay Oil Producer

Present Status: Active Ismay Oil Producer, July 17, 1992

**RECEIVED**

AUG 20 1992

DIVISION OF  
OIL GAS & MINING

Dist: BLM-orig.+3 (SUDOGM-2, WRF, FMK, WTR-4, Title & Cont. (Hou.), JLS)

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

Signed R.P. Medina

Title Regulatory Coordinator

Date August 4, 1992

(This space for Federal or State office use)

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title Branch of Fluid Minerals  
Moab District

Date \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED **WRF-999**  
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 reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.  
**U-13655**

6. If Indian, Allottee or Tribe Name  
-----

7. If Unit or CA, Agreement Designation  
**Tin Cup Mesa**

8. Well Name and No.  
**Tin Cup Mesa #3-25**

9. API Well No.  
**43-037-31020**

10. Field and Pool, or Exploratory Area  
**Tin Cup Mesa**

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

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
**Marathon Oil Company**

3. Address and Telephone No.  
**P.O. Box 2690 Cody, Wyoming 82414 (307) 587-4961**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**773' <sup>S</sup>FNL & 1830' <sup>W</sup>FEL Sec.25, T38S, R25E**

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

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

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

Prior Status: Active Ismay Oil Producer

Present Status: Temporarily Abandoned Ismay Oil Producer, Oct. 07, 1992.  
Cement Retainer set above the perforations.

**RECEIVED**

OCT 28 1992

DIVISION OF  
OIL GAS & MINING

Dist: BLM-orig.+3 (SUDOGM-2, WRF, FMK, WTR, DMJ, Title & Cont. (Hou.))

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

Signed *BRM* Title Regulatory Coordinator Date October 8, 1992

(This space for Federal or State office use)

Approved by *William C. Sturges* Title Assistant District Manager for Minerals Date 10/20/92

Marathon Oil Company  
Well No. Tin Cup Mesa 3-25  
Sec. 25, T. 38 S., R. 25 E.  
San Juan County, Utah  
8910203910 Tin Cup Mesa Unit

CONDITIONS OF APPROVAL

1. This approval is valid for a term of one year.
2. If you wish to retain this well in TA status longer than one year, you must request approval prior to the end of the current one year term. Such request must detail your plans for this well, including timeframes for plugging, reworking, etc., the well.



**COPY**

**United States Department of the Interior**

**BUREAU OF LAND MANAGEMENT**

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

JAN 7 1996

IN REPLY REFER TO:  
UT-922

GAS & M.

January 12, 1996

Cochrane Resources, Inc.  
P.O. Box 1656  
Roosevelt, Utah 84066

RE: Tin Cup Mesa Unit  
San Juan County, Utah

Gentlemen:

On January 11, 1996, we received an indenture dated January 9, 1996, whereby Marathon Oil Company resigned as Unit Operator and Cochrane Resources, Inc. was designated as Successor Unit Operator for the Tin Cup Mesa Unit, San Juan County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective January 12, 1996. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Tin Cup Mesa Unit Agreement.

Your statewide (Utah) oil and gas bond No. 0699 will be used to cover all operations within the Tin Cup Mesa Unit.

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

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks  
Chief, Branch of Fluid Minerals

Enclosure

bcc: District Manager - Moab (w/enclosure)  
Division of Oil, Gas & Mining  
Division of Mineral Adjudication U-923  
File - Tin Cup Mesa Unit (w/enclosure)  
MMS - Data Management Division ((Attn: Rose Dablo)  
Agr. Sec. Chron  
Fluid Chron

U-922:TAThompson:tt:01-12-96



JAN 23 1996

## RESIGNATION OF OPERATOR

Tin Cup Mesa Unit Area

County of San Juan

State of Utah

Unit Agreement No. 14-08-0001-20391

Under and pursuant to the provisions of Section 5 of the Unit Agreement for the Development and Operation of the Tin Cup Mesa Unit Area, San Juan County, Utah, Marathon Oil Company, the designated Unit Operator under said Unit Agreement, does hereby resign as Unit Operator, effective upon the selection and approval of a successor Unit Operator.

EXECUTED with effect as aforesaid this 29th day of November, 1995.

ATTEST:

  
\_\_\_\_\_

MARATHON OIL COMPANY

  
\_\_\_\_\_

By: A.R. Kukla  
Title: Attorney-In-Fact



12-19-95

Authorized Officer  
Bureau of Land Management

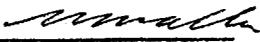
Re: Tin Cup Mesa Unit  
San Juan County, Utah

Gentlemen:

Enclosed for your consideration and approval, are four (4) copies of Resignation  
of Unit Operator ~~and Designation of Successor Operator~~ for the Tin Cup Mesa Unit  
Area.

Cochrane Resources, as the designated successor operator under the Tin Cup Mesa Unit  
Agreement, hereby certifies that the requisite approvals of the current working interest  
owners in the agreement have been obtained to satisfy the requirements for selection  
of a successor operator as set forth under the terms and provisions of the agreement.  
All operations within the Tin Cup Mesa Unit Agreement will be covered by bond no.  
UT0699.

Sincerely,

  
Ken Allen  
Cochrane Resources, Inc.  
President

Enclosures

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Routing:

1-LEC	7-FILM	✓
2-DEC	8-FILE	✓
3-VLD		
4-RJF		✓
5-LEC		✓
6-SJ		

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

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

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 12-01-95)

TO (new operator)	<u>COCHRANE RESOURCES INC</u>	FROM (former operator)	<u>MARATHON OIL COMPANY</u>
(address)	<u>PO BOX 1656</u>	(address)	<u>PO BOX 552</u>
	<u>ROOSEVELT UT 84066</u>		<u>MIDLAND TX 79702</u>
	<u>phone (801) 722-5081</u>		<u>phone (915) 687-8155</u>
	<u>account no. N 7015</u>		<u>account no. N 3490</u>

**\*TIN CUP MESA UNIT**

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

Name: <b>**SEE ATTACHED**</b>	API: <u>037-31020</u>	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- See 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Reg. 1-19-96) (Rec'd 1-23-96)
- See 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Reg. 1-22-96) (Rec'd 1-23-96)
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_\_ If yes, show company file number: \_\_\_\_\_.
- See 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- See 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (2-8-96 O&G wells) (Inj. Wells 4-3-96)
- See 6. Cardex file has been updated for each well listed above. (2-8-96 O&G wells) (Inj. Wells 4-3-96)
- See 7. Well file labels have been updated for each well listed above. (2-8-96 O&G wells) (Inj. Wells 4-3-96)
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (2-8-96 O&G wells) (Inj. Wells 4-3-96)
- See 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

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

BOND VERIFICATION (Fee wells only)

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

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

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

FILMING

- NSR* 1. All attachments to this form have been microfilmed. Date: April 17 1996.

FILING

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

COMMENTS

*960119 BLM/SL Apr. eff. 1-12-96.*

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
Cochrane Resources, Inc.

3. ADDRESS OF OPERATOR  
PO Box 1656 Roosevelt, Utah 84066

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface  
773' FNL & 1830' FEL

14. PERMIT NO.  
43--37-31020

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

5. LEASE DESIGNATION AND SERIAL NO.  
U-13655

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
Tin Cup Mesa

8. FARM OR LEASE NAME  
Tin Cup Mesa

9. WELL NO.  
3-25

10. FIELD AND POOL, OR WILDCAT  
Tin Cup Mesa

11. SEC., T. R., M., OR BLK. AND SURVEY OR AREA  
Sec 25, T38S, R25E

12. COUNTY OR PARISH  
San Juan

13. STATE  
Utah

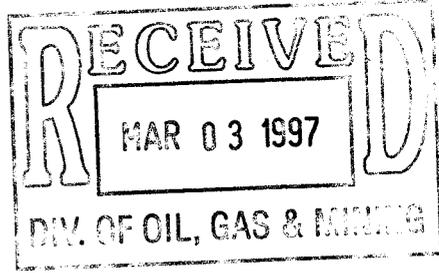
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL 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>Change Status</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.)\*

Prior Status: Temporarily Abandoned

Present Status: Drilled out cement retainer and put well on production as Ismay oil producer.



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

SIGNED *maller* TITLE President DATE February 26, 1997

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>			5. LEASE DESIGNATION AND SERIAL NUMBER: <b>U-13655</b>
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:
			7. UNIT or CA AGREEMENT NAME: <b>Tin Cup Mesa</b>
1. TYPE OF WELL <b>OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____</b>	8. WELL NAME and NUMBER: <b>Tin Cup Mesa 3-25</b>		9. API NUMBER: <del>878</del> <b>43-037-31020</b>
2. NAME OF OPERATOR: <b>Cochrane Resources, Inc.</b>		10. FIELD AND POOL, OR WILDCAT: <b>Tin Cup Mesa</b>	
3. ADDRESS OF OPERATOR: <b>PO Box 1656 Roosevelt UT 84066</b>		PHONE NUMBER: <b>(435) 722-5081</b>	
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>773 FSL 1830 FWL SE SW</b>			COUNTY: <b>San Juan</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>SESW 25 38S 25E</b>			STATE: <b>UTAH</b>

**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 checked="" 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 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.

Cochrane Resources, Inc. intends to test the Desert Creek formation for oil and gas. The well will be cleaned out and perforated from 5724' - 5734' in the Desert Creek. The will will be tested and acidized if necessary.

COPY SENT TO OPERATOR  
Date: 9-20-06  
Initials: CHD

NAME (PLEASE PRINT) <u>Ken Allen</u>	TITLE <u>President</u>
SIGNATURE <u><i>Ken Allen</i></u>	DATE <u>8/23/2006</u>

(This space for State use only)

Accepted by the  
Utah Division of  
Oil, Gas and Mining

Federal Approval Of This  
Action Is Necessary

**RECEIVED**

**AUG 24 2006**

DIV. OF OIL, GAS & MINING

(5/2000)

Date: 8/24/06  
By: *[Signature]*

(See Instructions on Reverse Side)

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

RECEIVED

MAR 28 2008

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

DIV. OF OIL, GAS & MINING

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: **Cochrane Resources, Inc.**

3. ADDRESS OF OPERATOR: PO Box 1656 CITY **Roosevelt,** STATE **UT** ZIP **84066** PHONE NUMBER: **(435) 722-9966**

4. LOCATION OF WELL: FOOTAGES AT SURFACE: **773 FSL 1830 FWL SE SW** COUNTY: **San Juan**  
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: **SESW 25 38S 25E** STATE: **UTAH**

5. LEASE DESIGNATION AND SERIAL NUMBER: **U-13655**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: \_\_\_\_\_

7. UNIT or CA AGREEMENT NAME: **Tin Cup Mesa**

8. WELL NAME and NUMBER: **Tin Cup Mesa 3-25**

9. API NUMBER: **3-25 43-037-31020**

10. FIELD AND POOL, OR WILDCAT: **Tin Cup Mesa**

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 checked="" 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: <b>8-07</b>	<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 checked="" type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

The Desert Creek interval was perforated from 5724' - 5734" and pump tested for 30 days. The average rate for the test was 35 bbls/day water, 0 oil and 0 gas. The well is currently shut in. The Ismay perforations were not plugged.

NAME (PLEASE PRINT) Ken Allen TITLE President

SIGNATURE *Ken Allen* DATE 3/25/2008

(This space for State use only)

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

AMENDED REPORT  FORM 8  
(highlight changes)

5. LEASE DESIGNATION AND SERIAL NUMBER:  
**U-13655**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT OR CA AGREEMENT NAME  
**Tin Cup Mesa**

8. WELL NAME and NUMBER:  
**3-25**

9. API NUMBER:  
**4303731020**

10. FIELD AND POOL, OR WILDCAT  
**Tin Cup Mesa**

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:  
**SESW 25 38S 25E**

12. COUNTY  
**San Juan**

13. STATE  
**UTAH**

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  OTHER \_\_\_\_\_

b. TYPE OF WORK: NEW WELL  HORIZ. LATS.  DEEP-EN  RE-ENTRY  DIFF. RESVR.  OTHER **Test**

2. NAME OF OPERATOR:  
**Cochrane Resources, Inc.**

3. ADDRESS OF OPERATOR: **PO Box 1656** CITY **Roosevelt** STATE **UT** ZIP **84066** PHONE NUMBER: **(435) 722-5081**

4. LOCATION OF WELL (FOOTAGES)  
AT SURFACE: **773' FSL 1830' FWL**  
AT TOP PRODUCING INTERVAL REPORTED BELOW: **Same**  
AT TOTAL DEPTH: **Same.**  
*See original.*

14. DATE SPUDDED: \_\_\_\_\_ 15. DATE T.D. REACHED: \_\_\_\_\_ 16. DATE COMPLETED: \_\_\_\_\_ ABANDONED  READY TO PRODUCE  17. ELEVATIONS (DF, RKB, RT, GL):

18. TOTAL DEPTH: MD \_\_\_\_\_ TVD \_\_\_\_\_ 19. PLUG BACK T.D.: MD \_\_\_\_\_ TVD \_\_\_\_\_ 20. IF MULTIPLE COMPLETIONS, HOW MANY? \* \_\_\_\_\_ 21. DEPTH BRIDGE MD \_\_\_\_\_ PLUG SET: TVD \_\_\_\_\_

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)  
**None**

23. WAS WELL CORED? NO  YES  (Submit analysis)  
WAS DST RUN? NO  YES  (Submit report)  
DIRECTIONAL SURVEY? NO  YES  (Submit copy)

**24. CASING AND LINER RECORD (Report all strings set in well)**

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
<i>See original.</i>									

**25. TUBING RECORD**

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
<b>2 7/8"</b>	<b>5,705</b>	<b>5,705</b>						

**26. PRODUCING INTERVALS**

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) <b>Desert Creek</b>				
(B)				
(C)				
(D)				

**27. PERFORATION RECORD**

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
<b>5,724 5,734</b>		<b>20</b>	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

**28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.**

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
<b>5724 - 5734</b>	<b>1000 gals 15 1/2% Hcl</b>

29. ENCLOSED ATTACHMENTS:

ELECTRICAL/MECHANICAL LOGS  GEOLOGIC REPORT  DST REPORT  DIRECTIONAL SURVEY

SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION  CORE ANALYSIS  OTHER: \_\_\_\_\_

30. WELL STATUS:  
**Shut in**

31. INITIAL PRODUCTION

INTERVAL A (As shown in Item #26)

DATE FIRST PRODUCED: 8/10/2007		TEST DATE: 8/12/2007		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL – BBL: 0	GAS – MCF: 0	WATER – BBL: 35	PROD. METHOD: Pumping
CHOKE SIZE:	TBG. PRESS. 0	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL: 0	GAS – MCF: 0	WATER – BBL: 35	INTERVAL STATUS: Shut in

INTERVAL B (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

None

33. SUMMARY OF POROUS ZONES (Include Aquifers):

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.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)

35. ADDITIONAL REMARKS (Include plugging procedure)

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

NAME (PLEASE PRINT) Ken Allen TITLE President  
 SIGNATURE *Ken Allen* DATE 3/28/2008

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

\* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

\*\* ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

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

Phone: 801-538-5340  
 Fax: 801-359-3940

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

<b>ROUTING</b>
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:

**4/1/2008**

<b>FROM:</b> (Old Operator): N7015-Cochrane Resources, Inc PO Box 1656 Roosevelt, UT 84066  Phone: 1 (435-722-5081	<b>TO:</b> ( New Operator): N8195-Mar/Reg Oil Company PO Box 18148 Reno, NV 89511  Phone: 1 (775) 852-7444
---	---

<b>CA No.</b>		<b>Unit:</b>		<b>TIN CUP MESA</b>				
<b>WELL NAME</b>	<b>SEC</b>	<b>TWN</b>	<b>RNG</b>	<b>API NO</b>	<b>ENTITY NO</b>	<b>LEASE TYPE</b>	<b>WELL TYPE</b>	<b>WELL STATUS</b>
<b>SEE ATTACHED LIST</b>								

**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: 6/4/2008
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/3/2008
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/23/2008
- a. Is the new operator registered in the State of Utah:          Business Number: 1267088-0143
- b. If **NO**, the operator was contacted on:
- a. (R649-9-2)Waste Management Plan has been received on:         IN PLACE
- b. Inspections of LA PA state/fee well sites complete on:
- c. Reports current for Production/Disposition & Sundries on:         ok
- 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        5/28/2008        BIA
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on:         5/28/2008
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on:         n/a
- 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:         7/2/2008

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on:         7/1/2008
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on:         7/1/2008
- Bond information entered in RBDMS on:         n/a
- Fee/State wells attached to bond in RBDMS on:         n/a
- Injection Projects to new operator in RBDMS on:         n/a
- Receipt of Acceptance of Drilling Procedures for APD/New on:         n/a

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number:         UTB000019
- Indian well(s) covered by Bond Number:         n/a
- a. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number         n/a

**COMMENTS:**

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:  
**SEE ATTACHED**

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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.

7. UNIT or CA AGREEMENT NAME:  
**SEE ATTACHED**

1. TYPE OF WELL  
OIL WELL  GAS WELL  OTHER \_\_\_\_\_

8. WELL NAME and NUMBER:  
**SEE ATTACHED**

2. NAME OF OPERATOR:  
**COCHRANE RESOURCES, INC. N7015**

9. API NUMBER:

3. ADDRESS OF OPERATOR:  
PO BOX 1656 CITY ROOSEVELT STATE UT ZIP **84608** PHONE NUMBER: (435) 722-5081

10. FIELD AND POOL, OR WILDCAT:  
**TIN CUP MESA**

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: **SEE ATTACHED; EXHIBIT "A"** **84066**

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 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: _____	<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 checked="" type="checkbox"/> OTHER: <b>CHANGE OF OPERATOR</b>
	<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.

The successor Operator for this well will be:  
Mar/Reg Oil Company  
PO Box 18148 **N8195**  
Reno, NV 89511  
(775) 852-7444

Agreed and accepted this 2<sup>nd</sup> day of June 2008  
**effective April 1, 2008**

Mar/Reg Oil Company  
By: Rhonda Ahmad  
Rhonda Ahmad  
President  
Mar/Reg State Wide Bond # is UTB000019

NAME (PLEASE PRINT) KEN ALLEN TITLE PRESIDENT

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

(This space for State use only)

**APPROVED 7/1/2008**

**Earlene Russell**  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

(5/2000)

(See Instructions on Reverse Side)

**RECEIVED**

**JUN 03 2008**

**DIV. OF OIL, GAS & MINING**

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

FORM 9

**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 _____		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>SEE ATTACHED</b>
2. NAME OF OPERATOR: COCHRANE RESOURCES, INC. <i>N7015</i>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: PO BOX 1656 CITY ROOSEVELT STATE UT ZIP 84608		7. UNIT or CA AGREEMENT NAME: <b>SEE ATTACHED</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>SEE ATTACHED; EXHIBIT "A"</b> <i>84066</i>		8. WELL NAME and NUMBER: <b>SEE ATTACHED</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		9. API NUMBER:
COUNTY: <b>SAN JUAN</b>		10. FIELD AND POOL, OR WILDCAT: <b>TIN CUP MESA</b>
STATE: <b>UTAH</b>		

**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 checked="" 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 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 checked="" type="checkbox"/> OTHER: <b>CHANGE OF OPERATOR</b>
	<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.**

The successor Operator for this well will be:  
Mar/Reg Oil Company  
PO Box 18148  
Reno, NV 89511  
(775) 852-7444

Agreed and accepted this 3rd day of June 2008

Mar/Reg Oil Company

By: \_\_\_\_\_  
Rhonda Ahmad  
President  
Mar/Reg State Wide Bond # is UTB000019

NAME (PLEASE PRINT) <u>KEN ALLEN</u>	TITLE <u>PRESIDENT</u>
SIGNATURE <u><i>Ken Allen</i></u>	DATE <u>6-3-2008</u>

(This space for State use only)

APPROVED 7/1/2008  
*Earlene Russell*  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

**RECEIVED**

**JUN 04 2008**

DIV. OF OIL, GAS & MINING

## Exhibit A Well List

### Tin Cup Mesa Unit Field

<u>API#</u>	<u>Lease Type</u>	<u>Well Name</u>	<u>Well Type</u>	<u>County</u>	<u>Location</u>	<u>Utah Entity #</u>
43-037-30690	Federal	TIN CUP MESA 1-25	Water Injection Well	SAN JUAN	25 SWNW T38S R25E	2765
43-037-30762	Federal	TIN CUP MESA 3-26	Oil Well	SAN JUAN	26 NWNE T38S R25E	2765
43-037-30808	Federal	TIN CUP MESA 2-23	Oil Well	SAN JUAN	23 SESW T38S R25E	2765
43-037-30815	Federal	TIN CUP MESA 3-23	Oil Well	SAN JUAN	23 SWSW T38S R25E	2765
43-037-30941	Federal	TIN CUP MESA 4-26	Oil Well	SAN JUAN	26 SENE T38S R25E	2765
43-037-30983	Federal	TIN CUP MESA 2-25	Oil Well	SAN JUAN	25 NWSW T38S R25E	2765
43-037-31020	Federal	TIN CUP MESA 3-25	Oil Well	SAN JUAN	25 SESW T38S R25E	2765
43-037-31145	Federal	TIN CUP MESA 4-25	Oil Well	SAN JUAN	25 SESW T38S R25E	2765
43-037-31368	Federal	TIN CUP MESA 5-26	Oil Well	SAN JUAN	26 SWNE T38S R25E	2765
43-037-31540	Federal	TIN CUP MESA 6-26	Oil Well	SAN JUAN	26 NESE T38S R25E	2765
43-037-31761	Federal	WDW 1	Water Disposal Well	SAN JUAN	25 SWNW T38S R25E	



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

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



IN REPLY REFER TO  
3180  
UT-922

May 28, 2008

Mar/Reg Oil Company  
P. O. Box 18148  
Reno, Nevada 89511

Re: Tin Cup Mesa Unit  
San Juan County, Utah

Dear Ms. Ahmad:

On May 23, 2008, we received an indenture dated May 7, 2008, whereby Cochrane Resources, Inc. resigned as Unit Operator and Mar/Reg Oil Company was designated as Successor Unit Operator for the Tin Cup Mesa Unit, San Juan County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective May 28, 2008. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Tin Cup Mesa Unit Agreement.

Your statewide oil and gas bond no. UTB000019 will be used to cover all operations within the Tin Cup Mesa Unit.

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

Sincerely,

*/s/ Becky J. Hammond*

Becky J. Hammond  
Chief, Branch of Fluid Minerals

Enclosure

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.  
UTU-13655  
6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on page 2.**

1. Type of Well  
 Oil Well     Gas Well     Other

7. If Unit of CA/Agreement, Name and/or No.  
TIN CUP MESA UNIT

2. Name of Operator  
MAR-REG OIL COMPANY

8. Well Name and No.  
TIN CUP MESA 3-25

3a. Address  
PO BOX 18148, RENO, NV 89511

3b. Phone No. (include area code)  
775-852-7444

9. API Well No.  
43-037-31020

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
SESW SEC 25, T38S, R25E, SLB

10. Field and Pool or Exploratory Area  
TIN CUP MESA

11. County or Parish, State  
SAN JUAN, UTAH

**12. CHECK THE 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 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 recomplete 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 recompletion 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.)

Requesting Temporarily Abandon status to evaluate this well on the potential for re-entry with horizontal drilling in both the Upper Ismay and Desert Creek. We have recently drill horizontally and are planning to do the same on other wells to completely drain both reservoirs.

**COPY SENT TO OPERATOR**

Date: 10/4/2012

Initials: KS

**REQUEST DENIED**  
Utah Division of  
Oil, Gas and Mining

Date: 10/2/2012  
By: Dustin [Signature]

Federal Approval Of This  
Action Is Necessary

\*Requirements of R649-3-36 have not been met.  
**RECEIVED**  
AUG 21 2012

DIV. OF OIL, GAS & MINING

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

Title Petroleum Engineer

Signature

Date 08/16/2012

**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.