

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.
U-31928

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.
6-26

10. FIELD AND POOL, OR WILDCAT
Tin Cup Mesa 465

11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 26, T38S, R25E

12. COUNTY OR PARISH 13. STATE
San Juan Utah

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

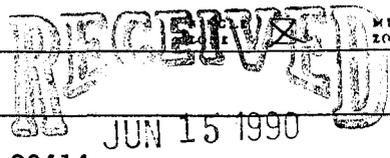
1A. TYPE OF WORK
DRILL DEEPEN PLUG BACK

B. TYPE OF WELL
OIL WELL GAS WELL OTHER MULTIPLE ZONE

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 applicable requirements*)
At Surface
2570' FSL, 430' FEL
At proposed prod. zone
NESE



14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approximately 8.5 miles Northeast of Hatch Trading Post

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
2210' Unit Line
430' Lease Line

16. NO. OF ACRES IN LEASE
760

17. NO. OF ACRES ASSIGNED TO THIS WELL
N/A

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
Approx. 1053'

19. PROPOSED DEPTH
5800' OSCR

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5086' GL Ungraded

22. APPROX. DATE WORK WILL START*
3rd Quarter 1990

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
14-1/4"	10-3/4"	40.5#	1625'	945 sacks
9-7/8"	7-5/8"	29.7#	5400'	1080 sacks
6-3/4"	5-1/2" LINER	20.0#	5200'-5800'	65 sacks

Marathon Oil Company proposes to drill the above referenced well through the Ismay formation to an estimated TD of 5800'. A 14-3/4" hole will be drilled to approximately 1625' and 1625' of new 10-3/4", 40.5#, K-55, ST&C casing will be run and cemented to surface. A 9-7/8" hole will then be drilled to an estimated depth of 5400' and 5400' of new 7-5/8", 29.7#, N-80, LT&C casing will be run and cemented to the surface casing shoe. A 6-3/4" hole will then be drilled to an estimated TD of 5800' and a 5-1/2", 20.0#, N-80, LT&C liner will be run from 5200' to 5800' and cemented in place. The well will then be perforated, treated, and completed as an Ismay producer.

BLM-Orig&3-cc:Sub No. 2, WRF, FMK, WTR-5, DRLG-4, MTM(Hous.2122), Title&Cont. (Hous.), SPO

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

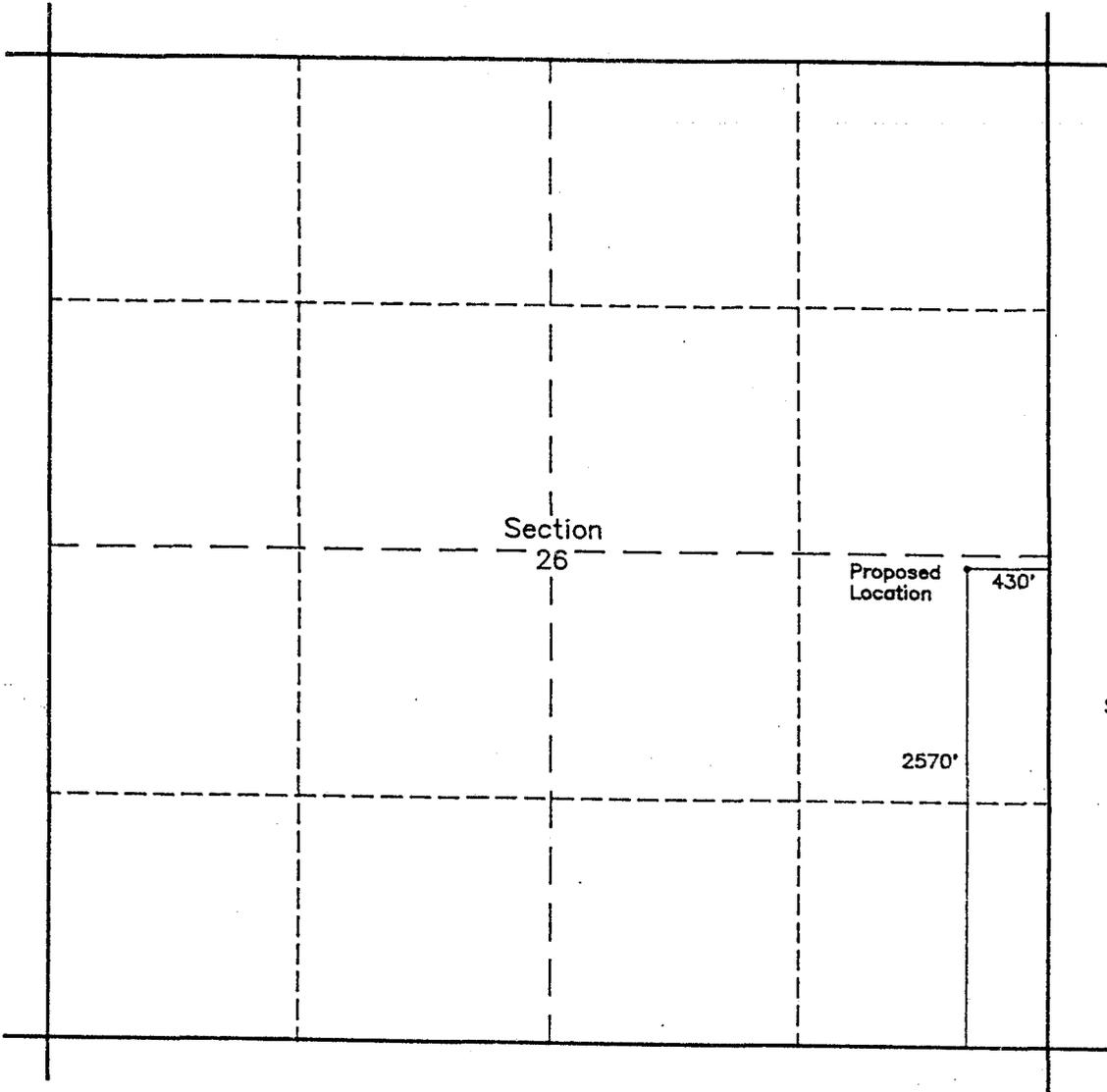
24. SIGNED RP Meala TITLE Regulatory Coordinator DATE June 13, 1990

(This space for Federal or State office use)
PERMIT NO. 43-037-31540 APPROVAL DATE _____

APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY: _____
APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 6-28-90
BY: John R. Bay

WELL SPACING: R415-0-3

*See Instructions On Reverse Side



Located 2570 feet North from the South line and 430 feet East from the West line of Section 26, Township 38 South, Range 25 East, Salt Lake Meridian, San Juan County, Utah.
Existing Ground elevation determined at 5086 feet, based on Marathon Tin Cup Mesa No. 2-25.

I HEREBY CERTIFY THAT THIS PLAT REPRESENTS A SURVEY PERFORMED BY ME, OR UNDER MY DIRECT RESPONSIBILITY, SUPERVISION, AND CHECKING, AND THAT IT IS CORRECT TO THE BEST OF MY BELIEF AND KNOWLEDGE.

Louis Jobe
LOUIS JOBE
REGISTERED LAND SURVEYOR



Marathon Oil Company Casper, Wyoming	
Well location plat Tin Cup Mesa No. 6-26 Sec. 26, T38S, R25E, San Juan County, Utah	
Clark-Reed & Assoc. Durango, Colorado	DRAWN BY: DRB DATE: 5/29/90 JOB NUMBER 90022

BUREAU OF LAND MANAGEMENT
MOAB DISTRICT

CONDITIONS OF APPROVAL FOR PERMIT TO DRILL

Company Marathon Oil Company Well No. TCM #6-26

Location: Sec: 26 T. 38S R. 25E Lease No. U-31928

Onsite Inspection Date May 22, 1990

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 Orders, 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: Refer to Item # 3 of the Attached Drilling Operations Plan.

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

	<u>Formation</u>	<u>Depth</u>
Expected Oil Zones:	<u>Refer to Item # 3 of the attached Drilling Operations Plan.</u>	
Expected Gas Zones:	<u>Refer to Item # 3 of the attached Drilling Operations Plan.</u>	
Expected Water Zones:	<u>Refer to Item # 3 of the attached Drilling Operations Plan.</u>	
Expected Mineral Zones:	<u>Refer to Item # 3 of the attached Drilling Operations Plan.</u>	

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: Refer to Item # 8 of the attached Drilling Operations Plan.

4. Casing Program and Auxiliary Equipment: Refer to Item # 7&8 of the attached Drilling Operations Plan.

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

5. Mud Program and Circulating Medium: Refer to Item # 5 of the attached Drilling Operations Plan.

Operations will be conducted in accordance with ONSHORE OIL AND GAS ORDER NO. 2; DRILLING OPERATIONS, except where advance approval for a variance has been obtained.

6. Coring, Logging and Testing Program: Refer to Item # 6 of the attached Drilling Operations Plan.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted to the District Office not later than thirty (30) days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1(b). Two copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the Moab District Manager.

7. Abnormal Conditions, Bottom Hole Pressures and Potential Hazards: _____
Refer to Item #1&4 of the attached Drilling Operations Plan.

8. Anticipated Starting Dates and Notifications of Operations:

Required verbal notifications are summarized in Table I, attached. Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the District Office within twenty-four (24) hours after spudding. If the spudding occurs on a weekend or holiday, the written report will be submitted on the following regular work day.

In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 3160-6, "Monthly Report of Operations", starting with the month in which operations commence and continuing each month until the well is physically plugged and abandoned. This report will be filed directly with Minerals Management Service.

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

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

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

A Subsequent Report of Abandonment" (Form 3160-5) will be filed with the District Manager within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the Area Manager or his representative, or the appropriate surface managing agency.

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

MARATHON OIL COMPANY
 Tin Cup Mesa #6-26
 AFE #5-506-0
 Drilling Operations Plan
 2750' FSL, 430' FEL
 Sec. 26, T38S, R25E
 San Juan County, Utah
 Elevation: 5106' KB
 5086' GL

June 1, 1990

1. Tin Cup Mesa #6-26 will be drilled as an Upper Ismay producer. Due to the high reservoir pressure, an intermediate string of casing will be run and a production liner set.

2. LOCATION SUMMARY:

Surface Location: 2570' FSL, 430' FEL
 Sec. 26, T38S, R25E
 Bottom Hole Location: 2570' FSL, 430' FEL
 Sec. 26, T38S, R25E

DEVIATION CONTROL:

The well will be allowed to drift naturally. A monel collar will be run from surface to TD. Directional problems are not anticipated.

<u>From</u>	<u>To</u>	<u>Maximum Distance Between Surveys</u>	<u>Maximum Change Per 100' of Depth</u>
0'	1600'	300'	1°
1600'	5800'	500'	1°

3. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

<u>Formation</u>	<u>Depth (TVD)(RKB)</u>	<u>Depth (From Sea Level)</u>	<u>Possible Content</u>
Chinle	1571'	+3535'	
Shinarump	2376'	+2730'	
Moenkopi	2421'	+2685'	
Cutler	2466'	+2640'	
Honaker Trail	4331'	+775'	
Paradox	5266'	-160'	
Upper Ismay	5422'	-316'	Gas-Saltwater
Hovenweep	5552'	-446'	
Lower Ismay	5603'	-497'	
Gothic	5666'	-560'	
Desert Creek	5681'	-575'	Oil-Gas
TD	5800'	-694'	

4. PRESSURES and TEMPERATURES:

Maximum anticipated BHP is 5600 psi in the Upper Ismay.

Maximum anticipated BHT is 136°F at TD.

5. MUD PROGRAM:

<u>From</u>	<u>To</u>	<u>Type Mud</u>	<u>Weight</u>	<u>Oil %</u>	<u>Water Loss</u>
0'	1600'	Chem-gel	8.3- 8.8	0	15-22cc's
1600'	5400'	Chem-gel	8.3-11.0	0	10-15cc's
5400'	TD	Chem-gel	11.0-19.0	0	10-12cc's

Possible lost circulation exists and LCM will be on location at all times. Barite will be on location at all times. Water flows may be expected in the Upper Ismay.

6. SAMPLE, LOGGING, TESTING, and CORING PROGRAM:

Samples will be caught, bagged, and dried in 10' intervals from 5400' to TD or as specified by the Company Representative.

A mud logging unit will be used from 5400' to TD.

The following open hole logs will be run:

Rxo-DLL-SP-GR-Cal from TD to 5400'.

FDC-CNL-GR-Cal from TD to 5400'.

Digital Sonic from TD to 5400'.

No DST's or cores are anticipated.

7. CASING and CEMENTING PROGRAM:

<u>Min. Hole Size</u>	<u>Casing O.D.</u>	<u>Grade</u>	<u>Weight</u>	<u>Setting Depth</u>	<u>New or Used</u>	<u>Conn.</u>
22"	16"	B	.375" wall	96'	New	
14 3/4"	10 3/4"	K-55	40.5#	1625'	New	ST&C
9 7/8"	7 5/8"	N-80	29.7#	5400'	New	LT&C
6 3/4"	5 1/2" Lnr.	N-80	20.0#	5800'	New	LT&C

Note: The 5 1/2" liner will include approximately 200' of overlap in the 7 5/8" casing, placing the top of the liner at 5200'.

10 3/4" Surface Casing

Casing equipment: a float guide shoe and float collar.

Centralizers will be placed on the bottom three joints and at the top of every third joint to the surface. Both ends of the bottom two casing collars will be tack welded, strapped or "Baker locked".

7. CASING and CEMENTING PROGRAM (CONT.):

Casing will be lowered into the hole slowly enough to avoid excessive surge and swab pressures. Mud volumes will be monitored throughout the job. Only weighted preflushes will be used. Cement will be pumped through the shoe at greater than 5 BPM. Cement volumes assume 60% excess. Cementing slurries may be altered if dictated based on the availability of additional data prior to the job.

Lead Slurry:

Type: Lightweight, 2% CaCl₂, 1/4 lb/sx celloflake
Slurry Weight: 12.4 ppg
Yield: 1.99 cuft/sx
Cement Required: 545 sacks

Tail Slurry:

Type: Class B with 2% CaCl₂, 1/4 lb/sx celloflake
Slurry Weight: 15.6 ppg
Yield: 1.18 cuft/sx
Cement Required: 400 sacks

Note: If the cement falls in the annulus, a 1" top job will be performed.

7 5/8" Intermediate Casing

Casing equipment: Will include float shoe, float collar, and bow spring centralizers. Centralizers will be placed one per joint or the first five joints, then every third joint to surface.

Excessive surge pressure should be avoided while running the casing. The mud will be conditioned to optimum rheology while circulating prior to cementing. The casing will be reciprocated or rotated while circulating prior to and during cementing as hole conditions permit. Cement will be pumped at greater than 5 BPM. After cementing, the casing will be laid in the head with the full weight of the casing set in the slips. Cement volumes assume 50% excess.

This cementing program may be altered if dictated by the availability of additional data prior to the job.

Lead Slurry: (4800'-Surface)

Flush: 500 gallons weighted mud flush
Type: Lightweight, 2% CaCl₂, 1/4 lb/sx celloflake
Slurry Weight: 13.1 ppg
Yield: 1.69 cuft/sx
Cement Required: 915 sacks (50% openhole excess)

7. CASING and CEMENTING PROGRAM (CONT.):

Tail Slurry: (5400'-4800')

Type	Class 'B', with FLA and friction reducer
Slurry Weight:	15.6 ppg
Yield:	1.18 cuft/sx
Cement Required:	165 sacks (50% openhole excess)

5 1/2" Production Liner

Liner equipment: Will include a float shoe, a landing collar with a latch-down plug, liner hanger (rotating - mechanical set), tie-back sleeve, turbolizing centralizers (1 per joint), and cable scratchers (2 per joint through pay).

The liner will be lowered into the hole slowly enough to avoid excessive surge and swab pressures. Mud/flow volumes will be monitored throughout the job. Any hole problems will be resolved prior to attempting to run the liner. If high torque persists, it will be necessary to use a hydraulic set casing hanger. Hole conditions permitting, drilling mud will be conditioned to optimum cement rheology and weight prior to pulling out of the hole to run the liner. The liner will be reciprocated or rotated if hole conditions permit. If there is substantial hole drag while running the liner, no attempt to reciprocate will be made. A cement batch mixer will be used to ensure uniform quality slurry. Final cement recipes will be confirmed by pilot tests on the actual water, chemicals, and cement to be used on the well. Cement density will be increased as required for well control. Final cement volumes will be based on caliper log results.

This cementing program may be altered if dictated by the availability of additional data prior to the job.

Slurry:

Type:	Class 'G' and additives
Weight:	15.6 ppg
Yield:	1.18 cuft/sx
Cement Required:	65 sacks (20% openhole excess)

8. WELL CONTROL:

-A diverter system will be used while drilling the surface hole.

-Below surface casing, the well control system will be arranged as shown on the attached "Well Control Schematic". All equipment exposed to wellbore pressure will be rated at 5000 psi or greater. The equipment will meet or exceed (and be tested) per API Guidelines and/or governmental requirements for 5000 psi systems (including Onshore Oil & Gas Order #2 dated Nov. 18, 1988).

8. WELL CONTROL (CONT.):

-Test pressures will be as follows:

<u>Item</u>	<u>Low Pressure Test</u>	<u>High Pressure Test</u>
Annular	500 psi/5 min	3500 psi/10 min
Pipe Rams (against plug)	500 psi/5 min	5000 psi/10 min
Blind Rams (against plug)	500 psi/5 min	5000 psi/10 min
Casing (10 3/4")	none required	2190 psi/30 min.
Casing (7 5/8" & 5 1/2" Lnr.)	none required	4825 psi/30 min.

- Any pressure bleed-off while testing against the plug will constitute a failed test.
- Casing will be tested to 70% of internal yield rating prior to drilling out shoe. No more than a 10% bleed-off in 30 minutes will be allowed while testing casing.

Note: 5 1/2" liner will be tested to no greater than 70% of internal yield of 7 5/8" intermediate casing.

- Prior to drilling out the cement plug, the accumulator precharge will be checked and an API Accumulator and Pump Performance Test will be performed.
- Auxiliary equipment will include the following items:
 - . Upper kelly cock (kelly safety valve), 5000 psi WP
 - . Drill string safety valve(s) for all string components, 5000 psi WP
 - . Pit volume totalizer
 - . Stroke counter
 - . Mud flow sensor
 - . ROP, hookload, and pump pressure pen recorder
 - . Drill string float
 - . Rotating head
 - . Lower kelly cock
 - . 3 1/2" drill pipe, associated tools, safety valves and subs
- Additionally, the following procedures will be followed:
 - . Each tour slow pump rates will be recorded.
 - . Each tour the well control system will be inspected and the accumulator pressure recorded.
 - . "Trip Sheets" will be filled out on all trips.
 - . BOP drills will be scheduled and conducted each week. Each crew will carry out a weekly BOP drill on their first tour after drilling out from under surface casing; during this drill the annular will be functioned.
 - . A formation integrity test will be carried out before drilling out from under surface casing and any subsequent casing, with a maximum equivalent of 16 ppg and a minimum equivalent of 13.5 ppg.

9. ANTICIPATED DURATION: 20 Days

10. REGION APPROVAL

Prepared by: GKR/DRH Date 6/11/90

Approved Date
DRH: DRHau 6/11/90

KSS: KA Stewart 6/12/90

RDWin: _____

WGE: _____

WTR: _____

FEK: _____

JLM: _____

DHC: _____

JRK: _____

CASING DESIGN
TIN CUP MESA 6-26
AFE # 5-506-0

HOLE SIZE	SET To	CMT TOP	CASING SIZE	DRIFT	GRADE	WEIGHT LB/FT	CONN.	TENSION (1000 LBS.)			COLLAPSE (PSI)			BURST (PSI)		
								RATING	LOAD	S.F.	RATING	LOAD	S.F.	RATING	LOAD	S.F.
SURFACE CASING																
14.75"	1,625	SURF	10.75"	9.894	K-55	40.5	ST&C	450	56	8.01	1,580	944	1.67	3,130	822	3.81
INTERMEDIATE CASING																
9.875"	5,400	SURF	7.625"	6.75	N-80	29.7	LT&C	575	135	4.26	4,790	3,089	1.55	6,890	4,514	1.53
PRODUCTION CASING/LINER																
9.875"	5,400	SURF	7.625"	6.75	N-80	29.7	LT&C	575	135	4.26	4,790	3,089	1.55	6,327	5,062	1.25
6.75	5,800	SURF	5" $\frac{1}{2}$	4.653"	N-80	20	LT&C	428	12	36.00	8,830	6,032	1.46	8,687	5,057	1.72

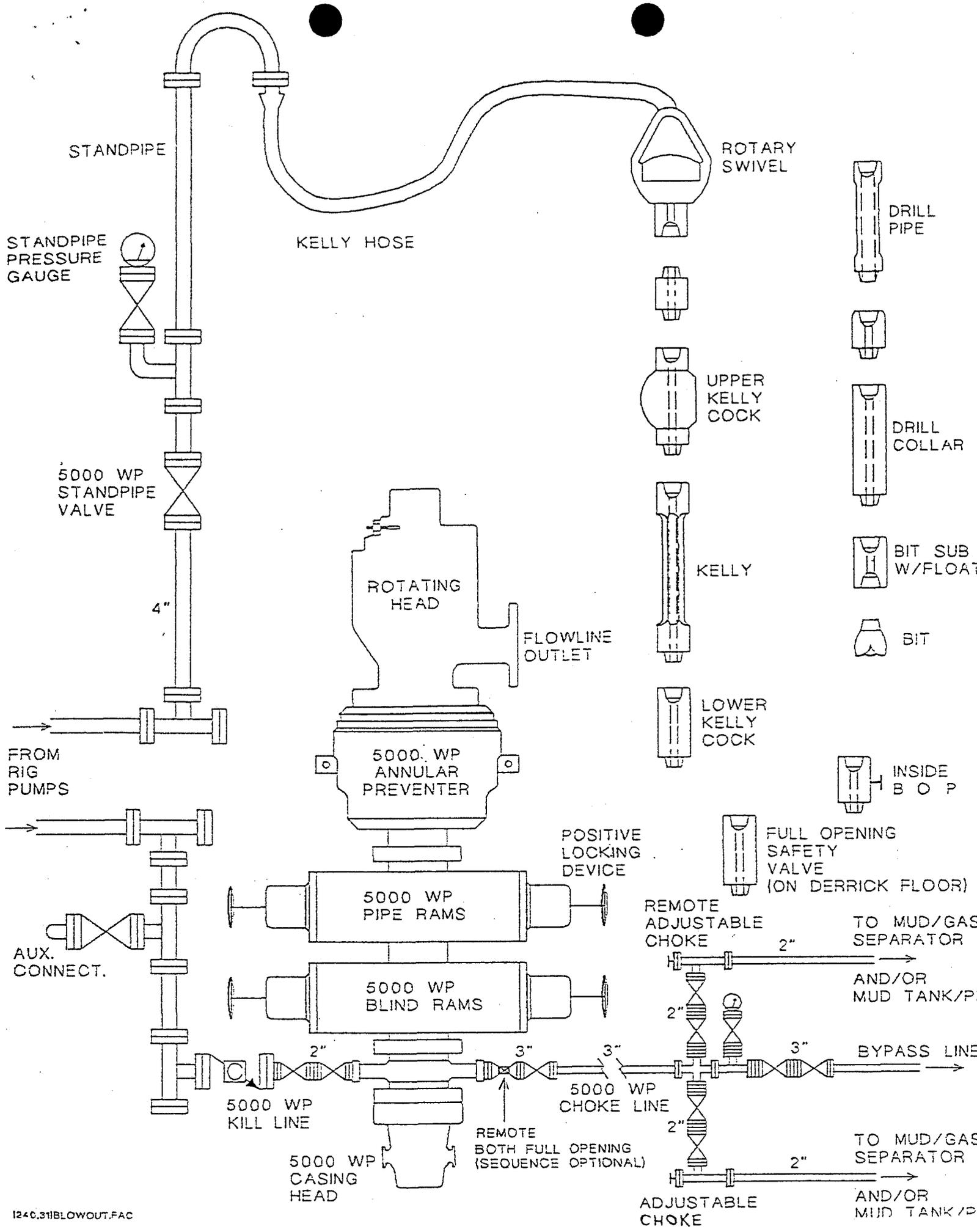
NOTE:

NEGATIVE BIAXIAL ADJUSTMENTS made to casing strength ratings as applicable.

BURST DESIGN is based on 5000 psi max treating pressure with 9.0 ppg treating fluid and 9.0 ppg fluid in the annulus.

COLLAPSE DESIGN is based on 20 ppg mud in the annulus and evacuated casing.

5000 PSI BOP



TIN CUP MESA #6-26

THIRTEEN-POINT SURFACE USE PLAN

1. Existing Roads:

- A. Location of proposed well in relation to town or other reference point: Refer to attached map, "Exhibit 'A'".
- B. Proposed route to Location: Refer to attached map, "Exhibit 'A'".
- C. Plans for improvement and/or maintenance of existing roads: Existing roads will be maintained in their existing state.
- D. An encroachment permit will be obtained from the San Juan County Road Department (801) 587-2231, Ext. 43 for use of county roads: Permit will be acquired prior to their use.
- E. Other existing roads: They will be maintained in a proper manner.

2. Planned Access Roads:

Approximately 1000' of new road (30' of maximum disturbed width) would be constructed. Sixteen feet (16') flatbladed finished surface.

The access (including any existing non-county) road will be rehabilitated or brought to Resource (Class III) Road Standards by meeting the following minimum design requirements within sixty (60) days of completion of drilling operations:

- 1 - 18" culvert set in access road shown on Exhibit 'B'.

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

The topsoil from the access road will be reserved in place.

3. Location of Existing Wells: Refer to the attached map, "Exhibit 'A'".

- 4. All permanent above-ground facilities (6 months or longer) would be painted a neutral, nonreflective (Juniper Green) color to blend into the surrounding area, except for those required to comply with the Occupational Safety and Health Act or written company safety manual or documents.

If a tank battery is constructed on this location it will be surrounded by a dike of sufficient capacity to contain 1-1/2 times the storage capacity of the largest tank; all load lines and valves will be placed inside the dike surrounding the tank battery.

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

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

Gas meter runs for each well will be located within five hundred (500) feet of the wellhead. The gas flowline will be buried from the well head to the meter and downstream for the remainder of the pad. Meter runs will be housed and/or fenced.

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

5. Location and Type of Water Supply:

All water needed for drilling purposes will be obtained from Artesian Water Wells.

A temporary water use permit for this operations will be obtained from the Utah State Engineer in Price, Utah (801) 637-1303.

Water obtained on private land, or land administered by another agency, will require approval from the owner or agency for use of the water.

6. Source of Construction Material:

Pad construction material will be obtained from on site and in place materials.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.

7. Methods of Handling Waste Disposal:

The reserve pit will be constructed with at least 1/2 of the capacity in cut material and will be lined with (native material/ 24 tons of bentonite).

Three sides of the reserve pit will be fenced within 24 hours after completion of construction and the fourth side within 24 hours after drilling operations cease with four (4) strands of barbed wire, or woven wire topped with barbed wire to a height of not less than four (4) feet. The fence will be kept in good repair while the pit is drying.

No liquid hydrocarbons (i.e. fuels, lubricants, formation) will be discharged to the reserve pit.

No chrome will be on location.

All trash will be placed in a trash basket and hauled to a county refuge facility as necessary.

Produced waste water will be confined to the reserve pit for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, an application for approval of a permanent disposal method and location, along with the required analysis, will be submitted for the District Manager's approval pursuant to NTL-2B.

8. Ancillary Facilities:

Camp facilities will not be required.

9. Well Site Layout:

The reserve pit will be located: Northwest.

10. Plans for Restoration of Surface:

- A. Within 24 hours of completion of drilling, the location and surrounding area will be cleared of all debris, materials, and junk not required for production.
- B. As soon as the reserve pit has dried or within eighteen months (18 mos.) whichever is least, all areas not needed for production (including access road) will be filled in, recontoured to approximately natural contours and 12" of topsoil replaced leaving enough for future restoration (unless well is a dry hole). The remaining top soil (if any) will be stabilized and seeded in place.
- C. The area will be seeded between October 1, and February 28, with:

_____	1bs/acre Indian ricegrass
_____	1bs/acre Galleta
<u>6</u> _____	1bs/acre Crested wheatgrass
_____	1bs/acre Western wheatgrass
_____	1bs/acre Sand dropseed
<u>4</u> _____	1bs/acre Fourwing saltbrush
_____	1bs/acre Shadscale
_____	1bs/acre Desert/Antelope bitterbrush
_____	1bs/acre Small Burnett
_____	1bs/acre Yellow Sweetclover
_____	1bs/acre Wild sunflower
_____	1bs/acre Ephedra (Mormon Tea)
_____	1bs/acre Winterfat
_____	1bs/acre Big/Black Sagebrush
_____	1bs/acre Utah Sweetvetch
<u>6</u> _____	1bs/acre Russian Wild Rye
<u>3</u> _____	1bs/acre Streambank Wheatgrass
<u>4</u> _____	1bs/acre Forage Kochia

D. Seed will be broadcast.

If drilled, seed rate can be reduced to 75% of above rates.
After seeding a light harrow will be dragged over the area.

11. Surface and Mineral Ownership:

Bureau of Land Management

12. Other Information:

Water bars may be required on location and access road.

Topsoil stockpile placed on north side of pit.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the District Manager. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned and/or separate facilities, will be identified in accordance with 43 CFR 3162.6.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.6.

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

The Operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the authorized officer (AO). Within five working days the AO will inform the operator as to:

- Whether the materials appear eligible for the National Register of Historic Places:
- The mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and,
- A time frame for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be

required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that the required mitigation has been completed, the operator will then be allowed to resume construction.

This permit will be valid for a period of one (1) year from the date of approval. After the permit termination, a new application will be filed for approval for any future operations.

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

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

Representative

Kim Stewart
P. O. Box 2690
Cody, Wyoming 82414

(307) 587-4961

Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site 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 operations proposed herein will be performed by Marathon Oil Company 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.

14. Self Certification

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Marathon Oil Company who will be responsible for compliance with all of the terms and conditions of that portion of the lease associated with this application (BLM Nationwide Bond computer number ES0132, renewed annually in the amount of \$150,000). SAFECO Surety Bond No. 5461073.

Name: R. P. Meabon

Title: Regulatory Coordinator

Date: 6/13/90

ARCHAEOLOGICAL SURVEY OF
MARATHON OIL COMPANY'S
TIN CUP MESA UNIT 6-26 WELL PAD AND ACCESS ROAD
SAN JUAN COUNTY, UTAH

LAC REPORT 9067

By
Maureen C. Cavanaugh

LA PLATA ARCHAEOLOGICAL CONSULTANTS
P.O. BOX 783
DOLORS, COLORADO 81323
(303) 882-4933

May 28, 1990

FEDERAL ANTIQUITIES PERMIT
89UT57626
UTAH STATE PERMIT
U90-LA-178b

Prepared for:
Marathon Oil Company
P.O. Box 2690
Cody, Wyoming 82414

ABSTRACT

The archaeological survey of Marathon Oil Company's Tin Cup Mesa Unit 6-26 well pad and access road was conducted by personnel of La Plata Archaeological Consultants on May 17 and 22, 1990. The project is located in San Juan County, Utah on lands administered by the Bureau of Land Management, San Juan Resource Area. A 100 foot wide corridor was surveyed along the 900 foot access road and a 650 by 650 foot area (10 acres) was surveyed surrounding the well center stake. No archaeological sites were recorded during this survey and archaeological clearance is recommended for the project.

INTRODUCTION

On May 17 and 22, 1990 the archaeological survey of Marathon Oil Company's Tin Cup Mesa Unit 6-26 well pad and access road was conducted by Leslie Sesler and Maureen Cavanaugh of La Plata Archaeological Consultants. The survey was requested by Mr. Frank Krugh of Marathon Oil, who accompanied Maureen Cavanaugh during the final survey. Others present during the survey included Bob Larsen from the BLM, Lou Jobe from Clark-Reed Associates, and representatives of construction companies and other Marathon employees. The well pad and access road are on lands administered by the Bureau of Land Management, San Juan Resource Area and are in San Juan County, Utah.

The project is located in T38S, R23E, Section 26, NE 1/4. The UTM coordinates for the well are 650150mE/4146720mN; the UTM coordinates for the northeast end of the access road are 650100mE/4147040mN. The project is included on the USGS Hatch Trading Post, Utah (1985 provisional) 7.5' series topographic map (Figure 1).

PHYSIOGRAPHY AND ENVIRONMENT

The project area is located on an east-southeast aspect bench on the north side of Cross Canyon. A north-south oriented small rocky ridge outcrops west of the proposed well pad; to the east the terrain drops away to the rim of a southeast trending tributary canyon to Cross Canyon. To the southeast is the rim of Cross Canyon. The land slopes up to the north to a high knoll.

The soil in the project area is a thin rocky loess deposit over shale and sandstone. The soil thins out towards the canyon rim, where sandstone bedrock is exposed.

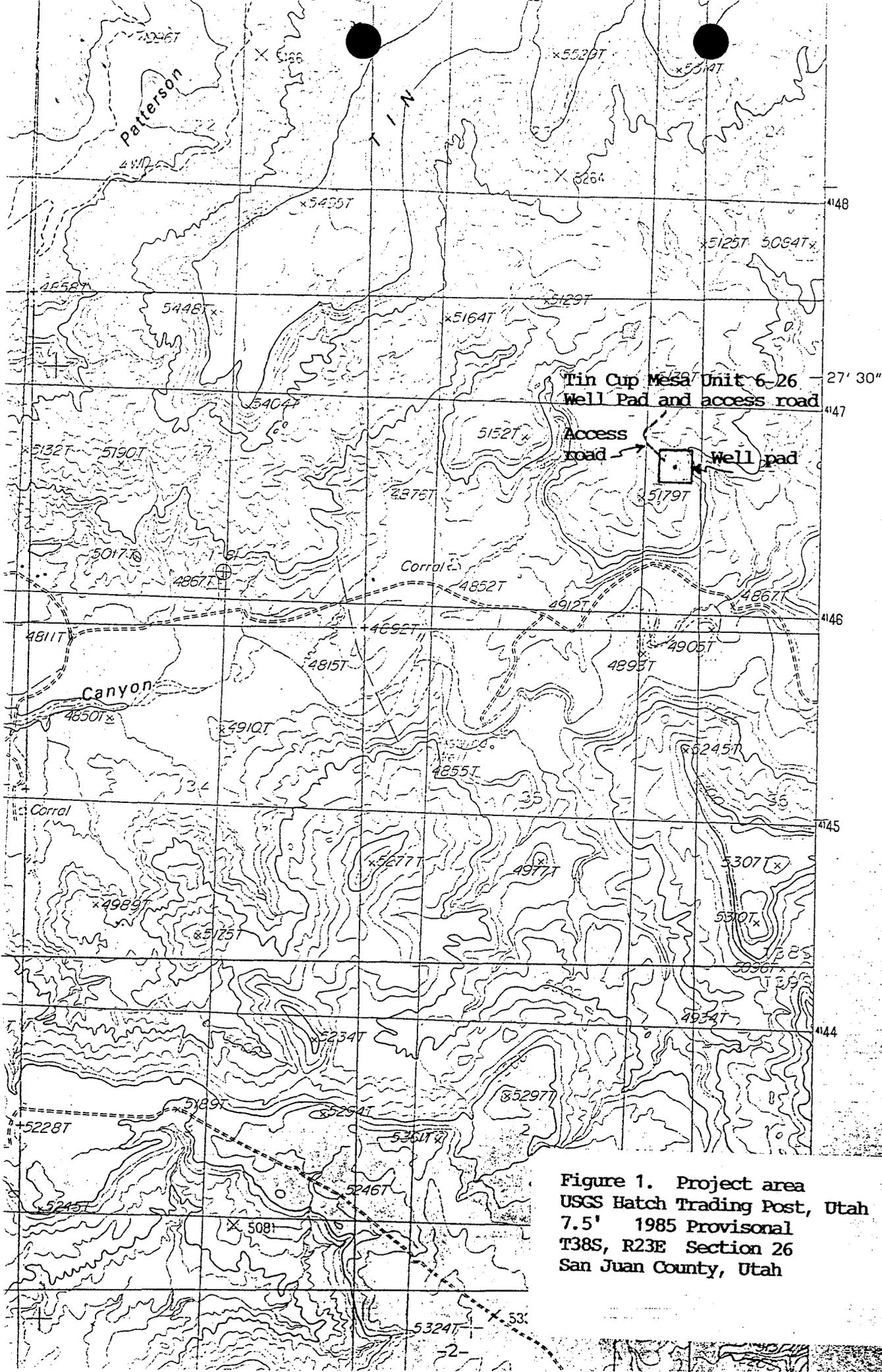


Figure 1. Project area
 USGS Hatch Trading Post, Utah
 7.5' 1985 Provisional
 T38S, R23E Section 26
 San Juan County, Utah

Vegetation is an open grassland with shadscale, greasewood, snakeweed, prickly pear, and cliffrose. A pinyon-juniper woodland community dominates the steep canyon slopes.

The present land use pattern includes livestock grazing and oil and gas development. The closest water sources are springs and seeps in Montezuma Creek and the bottom of Cross Canyon.

SURVEY PROCEDURES

The official file search was conducted with the BLM files located in the San Juan Resource Area Office on May 22, 1990. This search indicated that numerous archaeological surveys have been conducted in the vicinity of the project area, primarily several seismic line surveys conducted by La Plata and other companies. The nearest two previously recorded sites, 42SA10463 and 42SA10464, are 300 feet and 500 feet west of the access road.

The on-the-ground survey consisted of walking a zigzag transect down one side of the access road centerline and returning down the opposite side. A total width of 100 feet was covered with transect spacing averaging 50 feet or about 15 m. The proposed alignment was flagged by Marathon personnel during the final archaeological survey. The well pad was surveyed by personnel of Clark-Reed Associates who were conducting the land survey for Marathon Oil. Parallel pedestrian transects spaced about 15 m apart were used to cover the 650 by 650 foot (10 acre) area surrounding the well center stake.

The access road and well pad together contain a total of 12 acres which were inventoried for cultural resources for this project. All acreage is administered by the Bureau of Land Management, San Juan Resource Area.

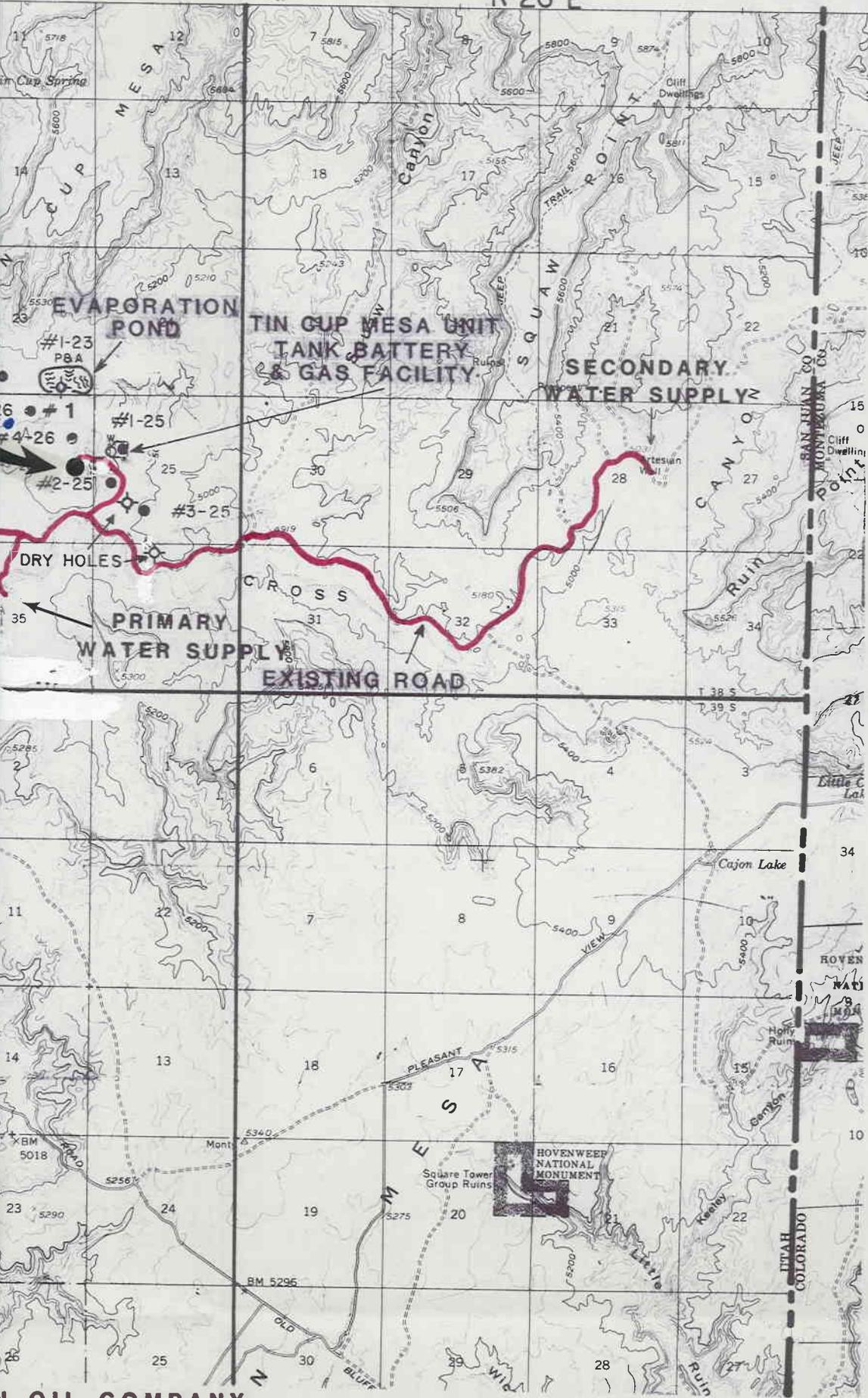
SURVEY RESULTS

No cultural resources were found during the survey for this proposed well pad and access road and it is unlikely that buried cultural deposits are present.

CONCLUSIONS AND RECOMMENDATIONS

The archaeological survey for Marathon Oil Company's Tin Cup Mesa Unit 6-26 access road and well pad was conducted on May 17 and 22, 1990 by personnel of La Plata Archaeological Consultants. The project is located on lands administered by the Bureau of Land Management, San Juan Resource Area. No cultural resources were found and archaeological clearance is recommended for the project.

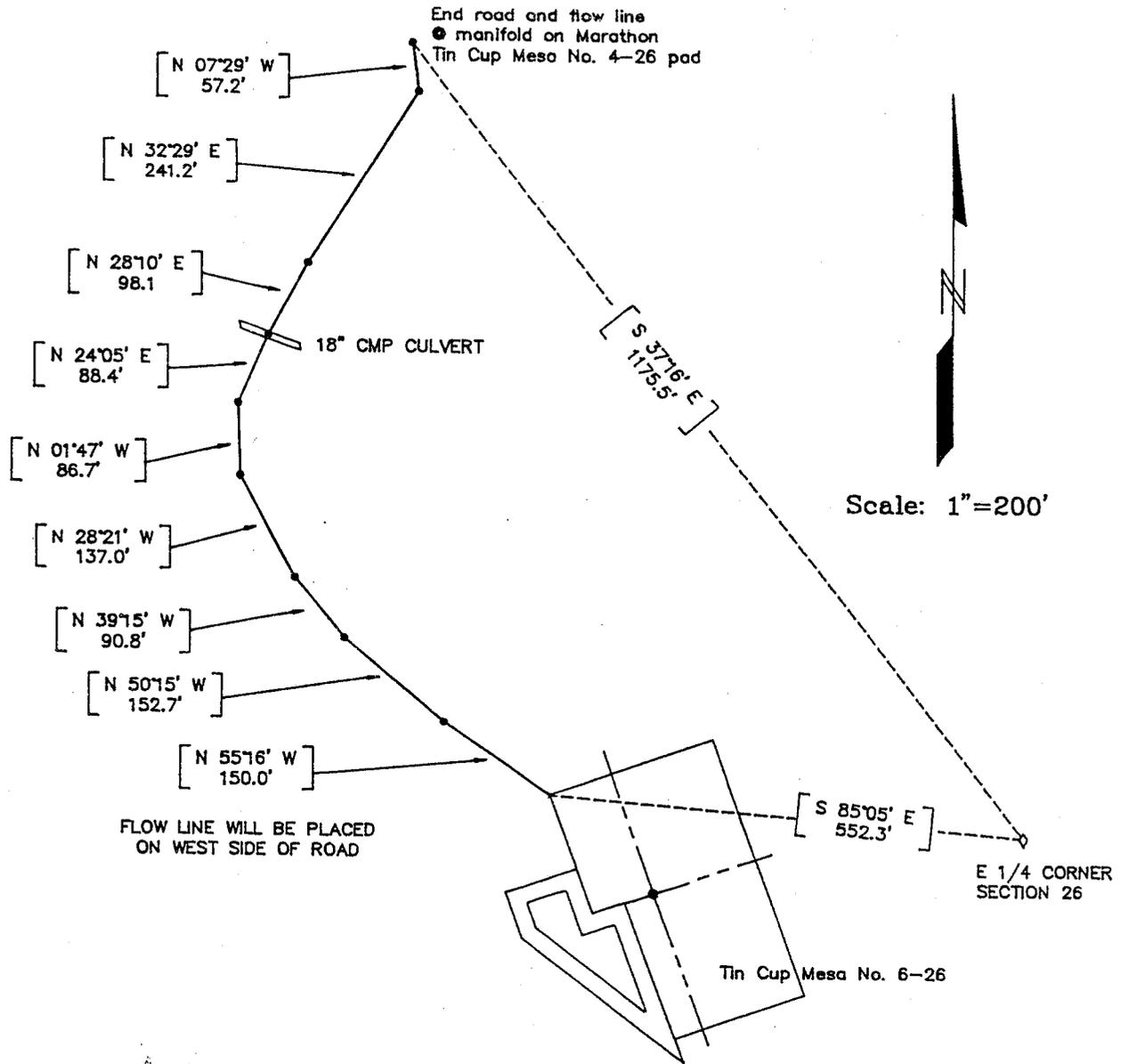
R 26 E



IN OIL COMPANY
TIN CUP MESA
 IN CO., UTAH

Diagram

A



**Marathon Oil Company
 Casper, Wyoming**

Access Road location plat
 Tin Cup Mesa No. 6-26
 Sec. 26, T38S, R25E, San Juan County, Utah

**Clark-Reed & Assoc.
 Durango, Colorado**

DRAWN BY: DRB
DATE: 6/5/90
JOB NUMBER 90022

OPERATOR Marathon Oil Company DATE 6-18-90

WELL NAME Lin Cup Mesa 6-26

SEC NESE 06 T 38S R 05E COUNTY San Juan

43-037-31540
API NUMBER

Actual
TYPE OF LEASE

CHECK OFF:

- PLAT
- BOND
- NEAREST WELL
- LEASE
- FIELD 310M
- POTASH OR OIL SHALE

PROCESSING COMMENTS:

P.O.D 1990 ok per Micky Coulthard eff 6-01-90
water permit needed

APPROVAL LETTER:

SPACING: R615-2-3 Lin Cup Mesa R615-3-2
UNIT

N/A R615-3-3
CAUSE NO. & DATE

STIPULATIONS:

1-water permit



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

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

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

June 28, 1990

Marathon Oil Company
P. O. Box 2690
Cody, Wyoming 82414

Gentlemen:

Re: Tin Cup Mesa 6-26 - NE SE Sec. 26, T. 38S, R. 25E - San Juan County, Utah
2570' FSL, 430' FEL

Approval to drill the referenced well is hereby granted in accordance with Section 40-6-18, Utah Code Annotated, as amended 1983; and predicated on Rule R615-2-3, Oil and Gas Conservation General Rules, subject to the following stipulation:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Chapter 3, Title 73, Utah Code Annotated.

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

1. Spudding notification within 24 hours after drilling operations commence.
2. Submittal of an Entity Action Form within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.
3. Submittal of the Report of Water Encountered During Drilling, Form 7.
4. Prompt notification if it is necessary to plug and abandon the well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or Jim Thompson, Lead Inspector, (Home) 298-9318.
5. Compliance with the requirements of Rule R615-3-20, Gas Flaring or Venting, Oil and Gas Conservation General Rules.

Page 2
Marathon Oil Company
Tin Cup Mesa 6-26
June 28, 1990

6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 538-6121.
7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31540.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

tas
Enclosures
cc: Bureau of Land Management
J. L. Thompson
WE14/1-14

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.
U-31928

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.
6-26

10. FIELD AND POOL, OR WILDCAT
Tin Cup Mesa

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 26, T38S, R25E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

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

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.)
 At surface
2570' FSL, 430' FEL
 At proposed prod. zone
43-037-21540

RECEIVED
JUL 18 1990

DIVISION OF
OIL, GAS & MINING

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
Approximately 8.5 miles Northeast of Hatch Trading Post

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
 (Also to nearest drilg. unit line, if any.)
2210' Unit Line
430' Lease Line

16. NO. OF ACRES IN LEASE
760

17. NO. OF ACRES ASSIGNED TO THIS WELL
N/A

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
Approx. 1053'

19. PROPOSED DEPTH
5800'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5086' GL Ungraded

22. APPROX. DATE WORK WILL START
3rd Quarter 1990

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT

OIL AND GAS

DFN	RJF
JPS	GLH
DTS	SLB
1-TAS	
MICROFILM	
3- FILE	

BLM-Orig&3-cc:Sub 2, WRF, FMK, WTR-5, DRLG-4, MTM(Hous.2122), Title&Cont. (Hous.), SPO

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

24. SIGNED RP Meala TITLE Regulatory Coordinator DATE June 13, 1990

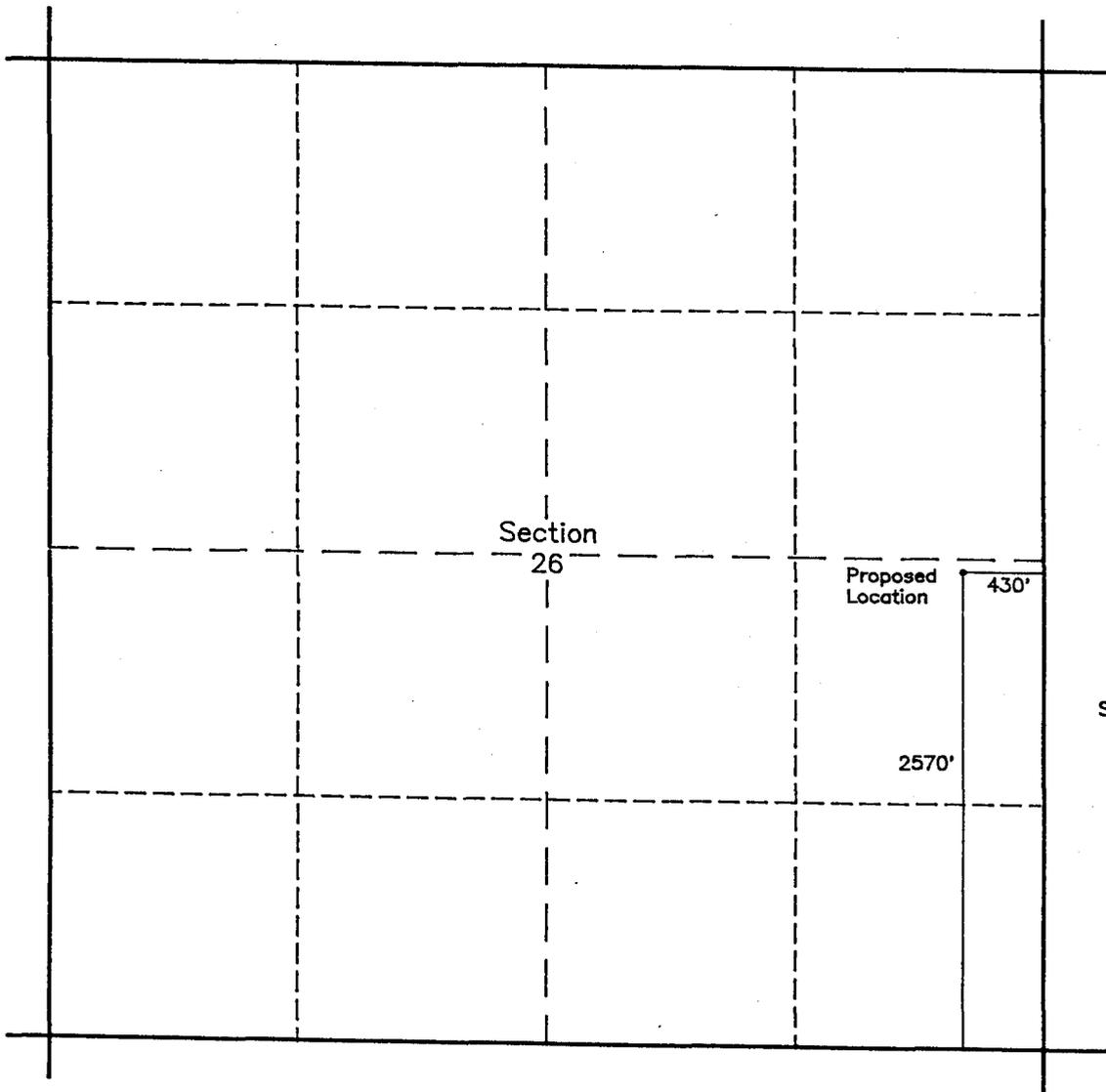
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE JUL 16 1990
 ASSISTANT DISTRICT MANAGER
 APPROVED BY William C. Stringer TITLE for Minerals
 CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED
 *See Instructions On Reverse Side

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

009m

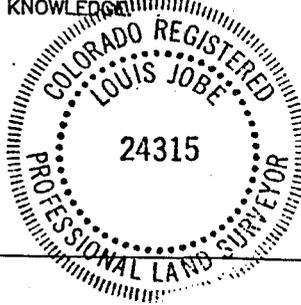


SCALE: 1" = 1000'

Located 2570 feet North from the South line and 430 feet ^{West} East from the ^{East} West line of Section 26, Township 38 South, Range 25 East, Salt Lake Meridian, San Juan County, Utah.
 Existing Ground elevation determined at 5086 feet, based on Marathon Tin Cup Mesa No. 2-25.

I HEREBY CERTIFY THAT THIS PLAT REPRESENTS A SURVEY PERFORMED BY ME, OR UNDER MY DIRECT RESPONSIBILITY, SUPERVISION, AND CHECKING, AND THAT IT IS CORRECT TO THE BEST OF MY BELIEF AND KNOWLEDGE.

Louis Jobe
 LOUIS JOBE
 REGISTERED LAND SURVEYOR



Marathon Oil Company Casper, Wyoming	
Well location plat Tin Cup Mesa No. 6-26 Sec. 26, T38S, R25E, San Juan County, Utah	
Clark-Reed & Assoc. Durango, Colorado	DRAWN BY: DRB DATE: 5/29/90 JOB NUMBER 90022

Marathon Oil Company
Well No. Tin Cup Mesa 6-26
NESE Sec. 26, T. 38 S., R. 25 E.
San Juan County, Utah
U-31928

CONDITIONS OF APPROVAL

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

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

Bond coverage for this well is provided by BLM Bond ES0132 (Principal - Marathon Oil Co.) via surety consent as provided for in 43 CFR 3104.3

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

A. DRILLING PROGRAM

All lease operations will be conducted in full compliance with applicable regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, Onshore Oil and Gas Order No. 2 and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions and the approved plan will be made available to the field representative to insure compliance.

1. If unconsolidated rock is encountered, conductor shall be set ten (10) feet into underlying bedrock with cement circulated to surface.
2. Surface casing shall be set at least 50 feet into the Chinle Formation regardless of the depth the Chinle is encountered.

B. STIPULATIONS

1. No chrome compounds will be on location.
2. There will be a berm (minimum of 2 feet high) constructed around the lower side of the location.
3. The reserve pit will be lined with 24 tons of bentonite.
4. Water bars may be required to be constructed on the location and access road at the time of rehab..

C. Anticipated Starting Dates and Notifications of Operations:

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

TABLE 1

NOTIFICATIONS

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

- 2 days prior to commencement of dirt work, construction or reclamation;
- 1 day prior to spudding;
- 1 day prior to running and cementing surface casing;
- 1 day prior to pressure testing of surface casing.

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

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

Dale Manchester, Petroleum Engineer Office Phone: (801) 259-6111

Home Phone: (801) 259-6239

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

Home Phone: (801) 259-2214

If unable to reach the above individuals including weekends, holidays, or after hours, please call the following:

Lynn Jackson, Chief, Branch of Fluid Minerals

Office Phone: (801) 259-6111

Home Phone: (801) 259-7990

24 HOURS ADVANCE NOTICE IS REQUIRED FOR ALL ABANDONMENTS.



P.O. Box 2690
Cody, Wyoming 82414
Telephone 307/587-4961

July 24, 1990

RECEIVED
JUL 27 1990

DIVISION OF
OIL, GAS & MINING

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

Re: Temporary Water Permit for use in drilling the Tin Cup
Mesa #6-26 well, San Juan County, Utah

Gentlemen:

As requested in your approval letter for the Tin Cup Mesa #6-26 drilling permit please find a copy of the Temporary Water Permit enclosed. The permit will expire on July 13, 1991.

If you have any further questions or need additional information feel free to contact this office.

Sincerely,

MARATHON OIL COMPANY

R. P. Meabon by FMK

R. P. Meabon
Regulatory Coordinator
Rocky Mountain Region

RPM/FMK/cjc

Enclosure



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

State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WATER RIGHTS

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

RECEIVED

JUL 16 '90

Regulatory Department

July 13, 1990

Marathon Oil Company
P.O. Box 2690
Cody, WY 82414

Dear Applicant:

RE: TEMPORARY APPLICATION
NUMBER 09-1725 (T64799)

Enclosed is a copy of approved Temporary Application Number 09-1725 (T64799). This is your authority to construct your works and to divert the water for the uses described.

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

This application will expire July 13, 1991, and it is expected that no diversion or use of the water will be done after that date unless another proposal has been made and approved.

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

Sincerely,

Robert L. Morgan, P.E.
State Engineer

RLM:rc

Encl.: Copy of Approved Temporary Application

TEMPORARY

FILING FOR WATER RIGHTS IN THE STATE OF UTAH

JUN 7 1990

Rec. by W7
Fee Rec. 30.00
Receipt # 22789

APPLICATION TO APPROPRIATE WATER RIGHTS

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

*WATER RIGHT NO. 09-1725 *APPLICATION NO. AT 67799

1. *PRIORITY OF RIGHT: _____ *FILING DATE: _____

2. OWNER INFORMATION
Name(s): Marathon Oil Company *Interest: _____ %
Address: P. O. Box 2690
City: Cody State: Wyoming Zip Code: 82414
Is the land owned by the applicant? Yes _____ No X (If "No", please explain in EXPLANATORY section.)

3. QUANTITY OF WATER: _____ cfs and/or 3.5 ac-ft.

4. SOURCE: Artesian Well (Underground) *DRAINAGE: _____
which is tributary to N/A
which is tributary to N/A

POINT(S) OF DIVERSION: _____ COUNTY: San Juan
North 3537 East 2102 from SW Corner Section 35, T38S, R25E S1B

Description of Diverting Works: _____
*COMMON DESCRIPTION: _____

5. POINT(S) OF REDIVERSION
The water will be rediverted from N/A at a point: _____

Description of Diverting Works: N/A

6. POINT(S) OF RETURN
The amount of water consumed will be _____ cfs or 3.5 ac-ft.
The amount of water returned will be 0 cfs or 0 ac-ft.
The water will be returned to the natural stream/source at a point(s): N/A

7. STORAGE
Reservoir Name: N/A Storage Period: from _____ to _____
Capacity: _____ ac-ft. Inundated Area: _____ acres.
Height of dam: _____ feet
Legal description of inundated area by 40 acre tract(s): _____

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

TEMPORARY

8. List any other water rights which will supplement this application N/A

9. NATURE AND PERIOD OF USE

Irrigation:	From _____	to _____
Stockwatering:	From _____	to _____
Domestic:	From _____	to _____
Municipal:	From _____	to _____
Mining:	From _____	to _____
Power:	From _____	to _____
Other:	From <u>August, 1990</u>	to <u>August, 1991</u>

10. PURPOSE AND EXTENT OF USE

Irrigation: _____ acres. Sole supply of _____ acres.
 Stockwatering (number and kind): _____
 Domestic: _____ Families and/or _____ Persons.
 Municipal (name): _____
 Mining: _____ Mining District in the _____ Mine.
 Ores mined: _____
 Power: Plant name: _____ Type: _____ Capacity: _____
 Other (describe): Oil Well Drilling: Tin Cup Mesa #6-26

11. PLACE OF USE

Legal description of place of use by 40 acre tract(s): Well Location:
NE SE Section 26, T38S, R25E, San Juan County, Utah

12. EXPLANATORY

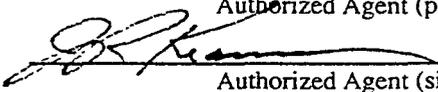
The following is set forth to define more clearly the full purpose of this application. (Use additional pages of the same size if necessary): Item #2 - The land is owned by the Bureau of Land Management, Moab, Utah (801) 259-6111

The applicant(s) hereby acknowledges that he/she/they are a citizen(s) of the United States of America or intends to become such a citizen(s). The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purposes herein described. The undersigned hereby acknowledges that even though he/she/they may have been assisted in the preparation of the above-numbered application through the courtesy of the employees of the Division of Water Rights, all responsibility for the accuracy of the information contained herein, at the time of filing, rests with the applicant(s).

Signature of Applicant(s)*

*If applicant is a corporation or other organization, signature must be the name of such corporation or organization by its authorized agent, or in the name of the partnership by one of the partners.

J. R. KEARNS
Authorized Agent (please print)


Authorized Agent (signature)

PRODUCTION MANAGER
ROCKY MOUNTAIN REGION

STATE ENGINEER'S ENDORSEMENT

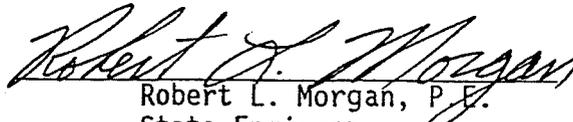
WATER RIGHT NUMBER: 09 - 1725

APPLICATION NO. T64799

1. June 27, 1990 Application received by VP.
 2. July 10, 1990 Application designated for APPROVAL by MP and KLJ.
 3. Comments:
-
-

Conditions:

This application is hereby APPROVED, dated July 13, 1990, subject to prior rights and this application will expire on July 13, 1991.


Robert L. Morgan, P. E.
State Engineer

DIVISION OF OIL, GAS AND MINING

API NO. 43-037-31540 DRL

SPUDDING INFORMATION

NAME OF COMPANY: Marathon Oil Company

WELL NAME: Tin Cup Mesa 6-26

SECTION NESE 26 TOWNSHIP 38S RANGE 25E COUNTY San Juan

DRILLING CONTRACTOR Grace

RIG # 194

SPUDDED: DATE 9-1-90

TIME 10:30 p.m.

HOW Rotary

DRILLING WILL COMMENCE _____

REPORTED BY Ray Rosentatal

TELEPHONE # _____

OIL AND GAS	
DFN	RJF
JFB	GLH
DIS	SLS
1-TAS	✓
0-JLT	✓
3 - MICROFILM	✓
4 - FILE	✓

DATE 9-4-90 SIGNED TAS

ENTITY ACTION FORM - FORM 6

ADDRESS P.O. Box 2690

Cody, Wyoming 82414

DRL

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	02765	43-037-31540	Tin Cup Mesa #6-26	NESE	26	38S	25E	San Juan	9-01-90	9-01-90

WELL 1 COMMENTS: *Federal - Lease Field - Tin Cup Mesa Unit - Tin Cup Mesa* (Proposed Zone - DSCR) * 9-13-90 per Marathon, this well is targeted for Ismay Zone paradox P.A. A, production. OK to assign entity 2795, which is the entity for other Marathon wells currently producing from that P.A. of unit. Added to system 9-13-90. JEP

WELL 2 COMMENTS: * operator will notify our office of any changes.

OIL AND GAS

DFN	RJF
JFB	GLH
DTS	SLS
<i>JEP</i>	
<i>1/CCR</i>	
I- MICROFILM <input checked="" type="checkbox"/>	
J- FILE <input checked="" type="checkbox"/>	

WELL 3 COMMENTS:

WELL 4 COMMENTS:

WELL 5 COMMENTS:

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

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

RECEIVED

SEP 10 1990

J. L. Simms
 Signature J. L. Simms
 Production Acctg. Supervisor
 Title Date 9/5/90

DIVISION OF OIL, GAS & MINING

Phone No. (307) 587-4961

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE **RECEIVED** SEP 27 1990

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, WY 82414 (307) 587-4961

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

2570' FSL and 430' FEL, Sec. 26, T38S, R25E

5. Lease Designation and Serial No.

U-31928

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 #6-26

9. API Well No.

43-037-31540

10. Field and Pool, or Exploratory Area

Tin Cup Mesa

11. County or Parish, State

San Juan, Utah

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

TYPE OF SUBMISSION

Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

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

Spud

(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.)*

The above referenced well was spudded by Grace Rig #194 on September 1, 1990 at 10:20 p.m.

OIL AND GAS	
DFN	RJF
MB	GLH
UIS	SLS
1-TAS	
2-LCA	
3- MICROFILM	✓
4- FILE	✓

SUDOGM

Dist: BLM-Orig + 3, W0000-2, WRF, FMK, WTR-5, SPO, Drilling, Title & Contracts (Houston)

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

Signed PP. [Signature]

Title Regulatory Coordinator

Date 9/04/90

(This space for Federal or State office use)

Approved by [Signature]

Title Branch of Fluid Minerals

Anah District

Date SEP 11 1990

Conditions of approval, if any:

*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

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

U-31928

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

Tin Cup Mesa

Name and No.

Tin Cup Mesa #6-26

9. API Well No.

42-037-31540

PRL

10. Field and Pool, or Exploratory Area

Tin Cup Mesa

11. County or Parish, State

San Juan Co., Utah

SUBMIT IN TRIPLICATE

RECEIVED
OCT 26 1990

DIVISION OF
OIL, GAS & MINING

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) 587-4981

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2570' FSL & 430' FEL, Sec. 26, T38S, R25E

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

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

See Below

(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.)*

The drilling of this well has been completed. A completion rig will be moved on the well within two weeks to take over completion activities. At this time actual dates are not known.

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

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

Signed R P Meador

Title Regulatory Coordinator

Date 10/01/90

(This space for Federal or State office use)

Approved by William C. Stinson

Title Assistant District Manager for Minerals

Date 10/18/90

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

Marathon Oil Company
Well No. Tin Cup Mesa #6-26
Sec. 26, T. 38 S., R. 25 E.
San Juan County, Utah
8910203910 Lease U-31928

CONDITIONS OF APPROVAL

1. During completion operations, the well shall have a 5000 psi BOP and BOPE installed. The BOP and BOPE shall be tested, operated and maintained in accordance with Onshore Order No. 2, 43 CFR Part 3160.
2. Operator shall notify the Moab District Office 24 hours prior to starting operations.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

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

LEASE DESIGNATION AND SERIAL NO.

U-31928

IF INDIAN ALLOTTEE OR TRIBE NAME

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

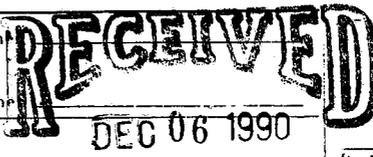
1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP EN PILL BACK DIFF. RESVR. Other

2. NAME OF OPERATOR: Marathon Oil Company

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 2570' FSL & 430' FEL
At top prod. interval reported below
At total depth



5. UNIT AGREEMENT NAME: Tin Cup Mesa

6. LEASE OR LEASE NAME: Tin Cup Mesa

9. WELL NO.: 6-26

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

11. SEC. T. R., M., OR BLOCK AND SURVEY OR AREA: Sec. 26, T38S, R25E

14. PERMIT NO. *pow* 43-037-31540 DATE ISSUED

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

15. DATE SPUDDED: 9/1/90 16. DATE T.D. REACHED: 9/22/90 17. DATE COMPL. (Ready to prod.): 11/14/90 18. ELEVATIONS (DF, RKB, RT, GR, ETC.):* 5105' KB 19. ELEV. CASINGHEAD: 5086' GL

20. TOTAL DEPTH, MD & TVD: 5800' KB 21. PLUG, BACK T.D., MD & TVD: 5742' 22. IF MULTIPLE COMPL. HOW MANY*: 1 23. INTERVALS DRILLED BY: 0 24. ROTARY TOOLS: 5800' KB 25. CABLE TOOLS: N/A

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: Upper Ismay 5476'-5523'

25. WAS DIRECTIONAL SURVEY MADE: Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN *10-11-90* LDT-CNL-CAL-GR, DLL-MSFL-CAL-GR-SP, SDT, *12-19-90* CBT-CCL-GR-VDL ✓

27. WAS WELL CORED: No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
10-3/4"	45.5 & 40.5	1648'	14-3/4"	1045 Sacks	None
7-5/8"	29.7	5378'	9-7/8"	915 Sacks	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
5-1/2"	4977'	5799'	80	--	2-7/8"	5449'	5449'

31. PERFORATION RECORD (Interval, size and number)
Upper Ismay
5476'-5499', 5507'-5523'
4 SPF, 22.7 gram charges

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5476'-5523'	2050 Gallons of 15% FeHCl DAD

33.* PRODUCTION

DATE FIRST PRODUCTION: 11/14/90 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump): Flowing WELL STATUS (Producing or shut-in): Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
11/25/90	24	64/64"	→	127	71	285	559

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
110	350	→	127	71	285	40°

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

35. LIST OF ATTACHMENTS: Directional Survey *MoAB* DIST: BLM-orig. +3, SUDOGM-2, WRF, FMK, WTR-5, SPO, Contracts(Hou.) Title &

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

SIGNED *R.P. Meda* TITLE: Regulatory Coordinator DATE: 11/30/90

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

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

38. GEOLOGIC MARKERS

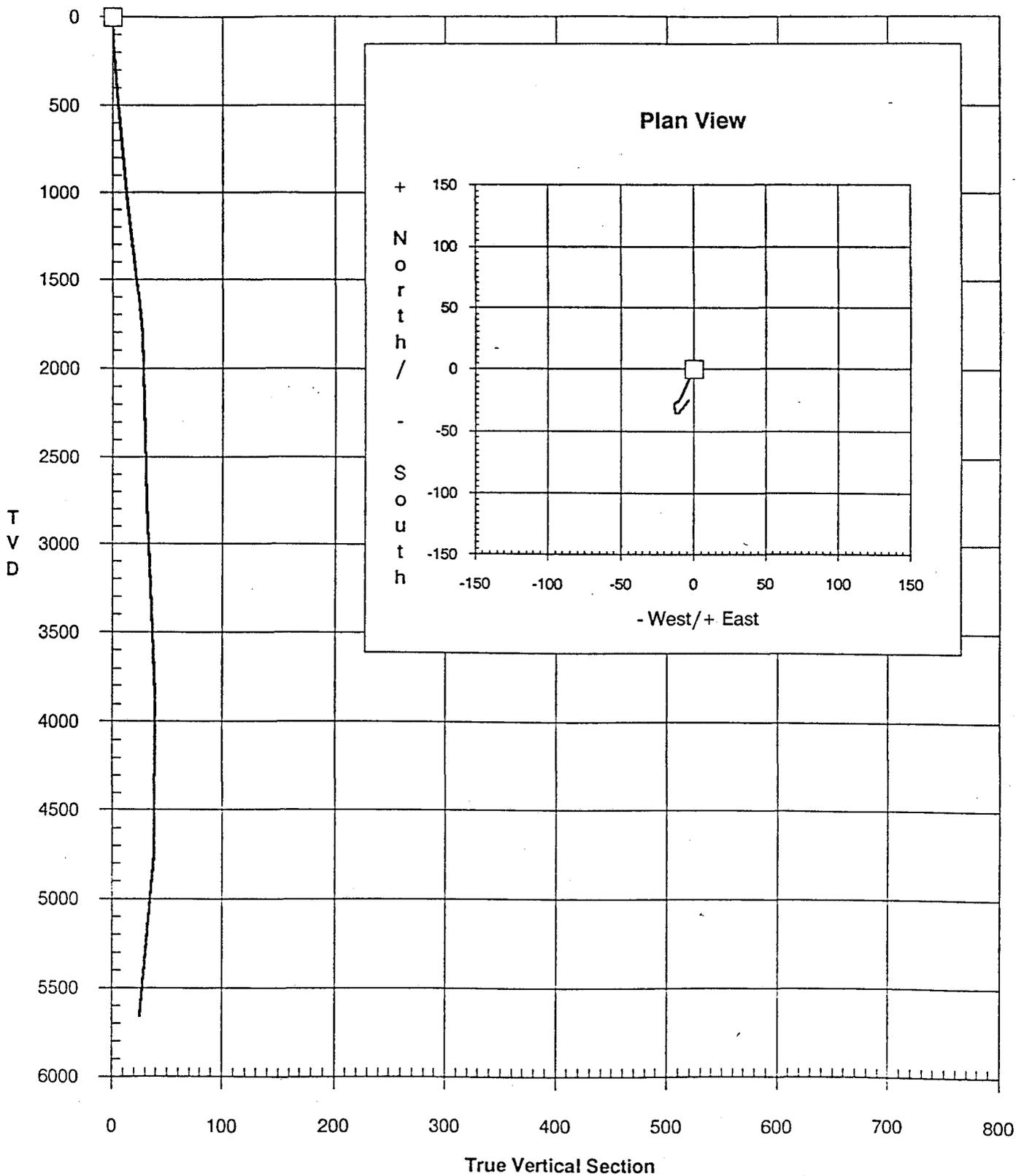
KB DATUM
TOP 5105'

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP
Upper Ismay	5476'	5523'	Oil, Gas & Water	Shinarump	2385'	2720'
				Moenkopi	2426'	2679'
				Cutler	2467'	2638'
				Honaker Trail	4345'	760'
				Paradox	5272'	-167'
				Upper Ismay Anhy.	5435'	-330'
				Upper Ismay Carb.	5476'	-371'
				Hovenweep	5594'	-489'
				Lower Ismay	5628'	-523'
				Gothic	5673'	-568'
				Desert Creek	5693'	-588'

MARATHON OIL COMPANY - ROCKY MOUNTAIN REGION
DIRECTIONAL SURVEY DATA

WELLNAME: TIN CUP MESA 6-26			RIG NUMBER: GRACE 194							
FIELD: TIN CUP MESA UNIT			COUNTY/STATE: SAN JUAN, UTAH							
TARGET AZMUTH (0-360): NA			SPUD DATE: 9/1/90							
MEASURED DEPTH (FT.)	HOLE ANGLE (DEG)	HOLE AZIMUTH (0-360D)	TRUE VERTICAL DEPTH (FT.)	+NORTH -SOUTH (FT.)	+EAST -WEST (FT.)	CLOSURE (FT.)	TRUE SECTION (FT.)	DOGLEG SEVERITY (D/100')	+BUILD -DROP RATE (D/100')	WALK RATE +R/-L (D/100')
0	0.00	0.00	0.0	0.00	0.00	0.00	N/A	N/A	N/A	N/A
140	0.50	201.00	140.0	-0.57	-0.22	0.61	N/A	0.36	0.36	-113.57
484	0.75	201.00	484.0	-4.07	-1.56	4.36	N/A	0.07	0.07	0.00
1062	1.00	201.00	1061.9	-12.31	-4.73	13.19	N/A	0.04	0.04	0.00
1640	1.25	201.00	1639.8	-22.91	-8.79	24.54	N/A	0.04	0.04	0.00
1810	0.50	201.00	1809.8	-25.33	-9.72	27.13	N/A	0.44	-0.44	0.00
2758	0.25	299.00	2757.8	-28.19	-13.02	31.05	N/A	0.06	-0.03	10.34
3852	1.00	165.00	3851.7	-36.26	-12.63	38.39	N/A	0.11	0.07	-12.25
4752	1.00	359.00	4751.7	-35.99	-10.74	37.56	N/A	0.22	0.00	-18.44
5662	1.00	69.00	5661.6	-25.20	-3.46	25.44	N/A	0.13	0.00	7.69
TD 5800' REACHED 9/23/90. END OF FILE.										

TIN CUP MESA 6-26



9/24/90

Note: All in feet

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED WRF-999
Budget Bureau No. 1004-0135
Expires: March 31, 1993

REC'D WDO OCT 19 1992

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~~ 11-31928

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE

7. If Unit or CA, Agreement Designation

Tin Cup Mesa

8. Well Name and No.

Tin Cup Mesa #6-26

9. API Well No.

43-037-31540

10. Field and Pool, or Exploratory Area

Tin Cup Mesa

11. County or Parish, State

San Juan, Utah

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)

2570' FSL & 430' FEL Sec.26, 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"/> 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 See Below
	<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.)*

Marathon Oil Company requests approval to perform a water shut-off on this well by following the attached procedure.

RECEIVED

OCT 30 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 [Signature]

Title Regulatory Coordinator

Date October 13, 1992

(This space for Federal or State office use)

Approved by [Signature]

Title Assistant District Manager

Date 10/21/92

Conditions of approval, if any:

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make 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. 26, T. 38 S., R. 25 E.
Well No. 6-26
Marathon Oil Company
Lease U-13655
Workover

CONDITION OF APPROVAL

Within 30 days of completion of this procedure, submit a subsequent report of the accomplished work on sundry notice for 3160-5.

Tin Cup Mesa #6-26
San Juan County, Utah
Water Shut-Off
AFE #5-550-2

WELL DATA

Elevations: GL: 5,086' KB: 5,105'

Depths (KB): TD: 5,800' PBTD: 5,742'

Casing (KB):
Conductor 16", 0.375" thin wall, Grade B set and cemented to 98'
Surface 10-3/4", 40.5#, K-55 set at 1648' with 1045 sks.
Production 7-5/8", 29.7#, N-80 set at 5378' with 915 sks.
Liner 5-1/2", 23#, N-80 from 4977' to 5799' with 80 sks.

Perforations: Upper Ismay 5,476'-5,499' KB
5,507'-5,523' KB

Tubing: 174 jts. 2-7/8", 6.5#, J-55

Tubing Anchor: 5,442' KB

Estimated Cost:

SUMMARY

The objective of this procedure is to shut-off water flow in channels behind the casing, below and above the producing interval. This work should eliminate approximately 150 BWPD and enable the oil productive interval to be produced with a larger drawdown.

The water flow from below the producing interval will be shut-off by perforating a two foot interval with 90 degree phasing from 5,554'-5,556' KB. A cement retainer will be set at 5,532' KB and cement will be circulated from the squeeze perfs to the lower production perforations behind the casing. The channel above the producing interval will also be squeezed with a cement retainer through perforations shot from 5,420'-5,422' KB.

The wellbore will be drilled out and the producing interval will be reperforated. The perforations will be broken down with 15% HCL acid and a mutual solvent. A SAP packer will be used when acidizing in order to insure that as many perforations as possible are open. The well will then be returned to production.

PROCEDURE

1. MIRU workover rig and rig pump. Rig up to pull rods. Unseat the pump and POOH w/ rods and pump. ND wellhead. NU BOPE. Test BOPE to 500# and 4000#. Release tubing anchor. POOH w/ tubing and anchor.
2. Round trip 4-3/4" bit, 5-1/2", 23# casing scraper, and 2-7/8" tubing to 5,600' KB.
3. Rig up wireline company with packoff to perforate 5,554'-5,556' KB with a 4" casing gun (15 gram charges, 4 SPF, 90 deg phasing). **Note:** the 5-1/2" liner has Hydril connections and may require a gamma ray tool for correlation. Rig down wireline company.
4. RIH w/ 5-1/2" cement retainer and set at 5,532' KB. Sting into the retainer w/ 2-7/8" tubing. Pump down the tubing and attempt to establish circulation from the squeeze perfs at 5,554'-5,556' KB to the production perfs at 5,507'-5,523' KB (max pressure 2500 psi). Contact engineering with injection rate data before proceeding.
5. Rig up service company to block squeeze between the perforations at 5,554'-5,556' KB and the perforations at 5,507-5,523' as follows:

Cement: 25 sxs (5.1 bbls) class 'G' with a three hour pump time at 130F, and a fluid loss of 50-100 ml.

Maximum Pressure: 2500#

- a) With the tubing stung into the retainer, pump down the tubing and establish circulation between the perforations at 5,554'-5,556' KB and the perforations at 5,507'-5,523' KB.
 - b) Block Squeeze the perforations by pumping 3 bbls of fresh water, 25 sxs of cement, 3 bbls of fresh water, and 27 bbls of produced water. Do not overdisplace cement. (*If circulation can not be established then unsting from retainer and spot the cement before squeezing.*)
 - c) Unsting from retainer and pump 1.4 bbl of produced water. POOH w/ five stands of tubing.
 - d) Establish reverse circulation with water. Wash down to 5,445' KB. Circulate until returns are clean at surface. Pull up hole to 5,100" KB. Shut in and WOC.
6. RIH W/ 2-7/8" tubing and tag cement. POOH w/ tubing and stinger.

7. Round trip 4-3/4" bit and 5-1/2", 23# scraper to 5,420' KB. RIH w/ 5-1/2" packer and set at 5,400' KB. Pressure test the cement plug to 2000#. POOH w/ packer.
8. Rig up wireline company with packoff to perforate 5,420'-5,422' KB with a 4" casing gun (15 gram charges, 4 SPF, 90 deg phasing). Rig down wireline company.
9. RIH w/ 5-1/2" cement retainer and set at 5,380' KB. Pump down the tubing and attempt to establish circulation from the squeeze perfs at 5,420'-5,422' KB to the liner top (max pressure 2000#). Contact engineering with injection rate data before proceeding.
10. Rig up service company to block squeeze between the perforations at 5,420'-5,422' KB and the liner top as follows:

Cement: 25 sxs (5.1 bbls) class 'G' with a three hour pump time at 130F, and a fluid loss of 50-100 ml.

Maximum Pressure: 2000#

 - a) With the tubing stung into the retainer, pump down the tubing and establish circulation between the perforations at 5,420'-5,422' KB and the liner top.
 - b) Block Squeeze the perforations by pumping 3 bbls of fresh water, 25 sxs of cement, 3 bbls of fresh water, and 27.75 bbls of produced water. Do not overdisplace cement. *(If circulation can not be established then unsting from retainer and spot the cement before squeezing.)*
 - c) Unsting from retainer and pull up hole to 4,800' KB. Reverse circulate 50 bbls of water to surface (monitor returns).
 - d) Shut-in and WOC.
11. POOH w/ tubing. Pick up and RIH w/ 4-3/4" bit, four 3-1/2" drill collars, and 2-7/8" tubing. Drill out cement retainer at 5,380' KB and cement to 5,440' KB. Pressure test squeeze perfs to 1000#. Swab fluid down to 4,000' KB and check for fluid entry. Contact engineering with pressure test and swab results.
12. Continue to drill out cement and the cement retainer at 5,532' KB. Clean the well out to 5,700' KB. POOH w/ tubing, collars, and bit. Lay down collars.

13. RIH w/ 4-3/4" bit, 5-1/2", 23# casing scraper, and 2-7/8" tubing to 5,560' KB. Pressure test squeeze perfs to 1000#. Circulate the well with clean produced water. Swab the fluid down to 4000' KB and check for fluid entry. Contact engineering with pressure test and swab results. Fill the well with enough water to leave the fluid level at 3,000' KB. POOH w/ tubing, scraper and bit.
14. Rig up wireline company with packoff to perforate 5,476'-5,500' KB and 5,508'-5,516' KB with 4" casing guns (22 gram charges, 4 SPF, 90 deg phasing). Rig down wireline company.
15. PU 5-1/2" SAP treating assembly dressed for a one foot spacing between packing elements (with mandrel plug in place). RIH to 5,450' KB.
16. Rig up service company to acidize the Upper Ismay perforations in 1 ft increments as follows:

Acid: 15% HCL with 8% EGMBE (mutual solvent) by volume, inhibitor, iron sequestering agent, and a cationic surfactant. (Make sure the additives are compatible with Tin Cup Mesa produced water. If they are not, use 2% KCL when acidizing.)

- a) Test surface lines to 4000#.
- b) Pickle the tubing by pumping 2 bbls of acid displaced with 29 bbls produced water. Reverse circulate 40 bbls produced water to remove the acid from the tubing.
- c) Set packer at 5,450' KB. Pressure test between packing elements to 3000#. Bleed off pressure and release packer.
- d) Drop ICV valve down tubing. Pump produced water down tubing to ensure that the ICV valve is working properly (the ICV should be set to open approximately 800 psi over hydrostatic pressure, TCM produced water SG=1.17).
- e) RIH to 5,503' KB and set packer. PUH until the bottom perf at 5,500' KB is identified by pumping produced water.
- f) Drop down to 5,516' KB. Open the packer bypass and spot 2640 gallons of acid to within 2 bbls of the SAP tool.
- g) Close the packer bypass and acidize the perforations from 5,516'-5,508' KB and from 5,500'-5,476' KB in 80 gal/ft increments at a maximum rate of 1/2 BPM and a maximum pressure of 2500#. Leave the backside open to check for communication. If communication does occur, shut-in the backside to force the acid into the formation (note the rate, pressure, and whether or not communication occurs on each set).

- h) After the last set of perfs have been acidized, RIH to 5,530' KB. Reverse circulate acid from the wellbore with produced water (approximately 35 bbls).
17. PUH and reset the packer at 5,450' KB. Pressure test packer, valves, and tubing to the maximum treating pressure to ensure that everything had been working properly.
18. Retrieve the ICV valve and release packer. RU swab equipment. Swab back load fluid until samples are clean and pH has returned to 6.0-6.5. POOH w/ SAP tool.
19. RIH w/ production equipment, tubing anchor, and 2-7/8" tubing. Nipple down BOPE. Nipple up wellhead. RIH w/ pump and rods. Return well to production.

/JWB (CRF-999)

APPROVALS: D.R. Hall

T.K. Skinner for W.T. Reish 10/4/92

xc: W. T. Reish
D. R. Hall
T. K. Skinner
R. K. Walck
D. K. Barker
R. W. Judge
F. M. Krugh
J. W. Baker
'WRF'

FIELD NAME Tin Cup Mesa Unit WELL NAME Tin Cup Mesa #6-26
 LOCATION 2,570' FSL, 430' FEL SECTION 26 T 38S R 25E
 COUNTY San Juan STATE Utah

SURFACE CASING

Hole Size: 14-3/4"
 Casing: 10-3/4", 45.5 & 40.5#, K-55
 Casing Set @: 1,648' KB w/1,045
sxs, cement circ'd to surface

GLE 5,086'
 KBE 5,105'

FORMATION TOPS

Shinarump	2,385' KB
Moenkopi	2,426' KB
Cutler	2,467' KB
Honaker Trail	4,345' KB
Paradox	5,272' KB
U. Ismay Anhy.	5,435' KB
U. Ismay Carbonate	5,476' KB
Hovenweep	5,594' KB
Lower Ismay	5,628' KB
Gothic	5,673' KB
Desert Creek	5,693' KB

WELL HISTORY

Spud Date: 9-1-90
 Original Owner: MOC
 IP: 11/25/90 (Flowing)
 BOPD: 127 BHPD: 285
 MCFD: 71 GOR: 559
 Completion Treatment:
Acidized with 50 gal/ft. 15%
15% Fe HCL 90/10 DAD acid.

PERFORATIONS

Upper Ismay:
5,476'-5,499' KB (4 JSPF)
5,507'-5,523' KB (4 JSPF)

PBTD 5,742' KB

CURRENT DATA

Pumping Unit: Lufkin 912
 Tubing: 2-7/8", J-55
 Pump Size:
 Rod String: EL rods
 Remarks:

PRODUCTION CASING

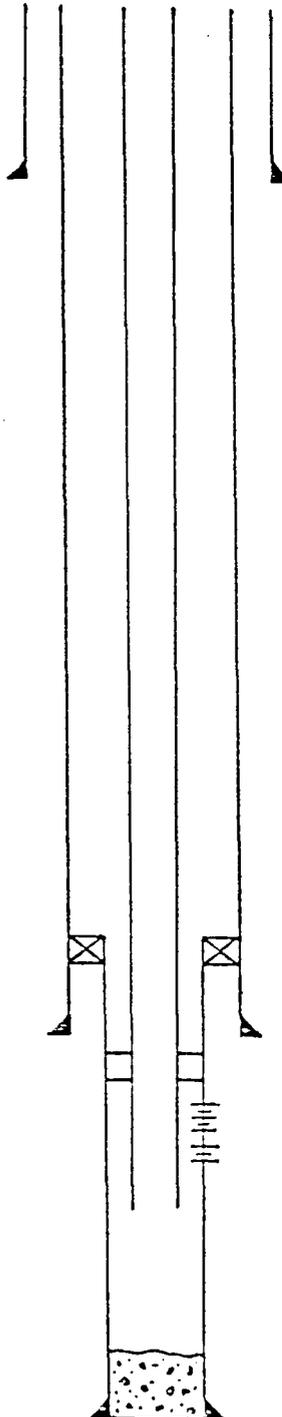
Hole Size: 9-7/8"
 Casing: 7-5/8", 29.7#, N-80
 Casing Set @: 5,378' KB with
915 sx. Divert tool @ 2,512'.

Tubing anchor @ 5,449' KB.

3/30/91: Installed rod pump

LINER

Casing: 5-1/2", 23#, N-80 from
4,977'-5,799' KB with 80 sx.



5,800' T.D.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NOV 1992
Received
BLM
Moab District

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

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other
 Surface Disturbance

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)
 2570' FSL & 430' FEL Sec.26, T38S, R25E

5. Lease Designation and Serial No.
 U-31928

6. If Indian, Allottee or Tribe Name

If Unit or CA, Agreement Designation

8. Well Name and No.
 Tin Cup Mesa

9. API Well No.
 Tin Cup Mesa #6-26

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

11. County or Parish, State
 San Juan, Utah

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other See Below
	<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.)*

Marathon Oil Company received approval from Eric Jones, BLM, Moab on November 9, 1992 by Frank Krugh, MOC, to construct a pit (10'X12'X6') on the Tin Cup Mesa #6-26 location to contain any fluids that may be encountered during the water shut-off procedure. The following stipulations will be adhered to:

1. The pit will be fenced with 4 strands of barbed wire and kept in good repair until backfilling.
2. All hydrocarbons and fluids will be removed from the pit prior to backfilling.
3. The pit will be placed on location on previously disturbed ground.

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 RPM Title Regulatory Coordinator Date Nov. 9, 1992

(This space for Federal or State office use)

Approved by [Signature] Title Acting Assistant District Manager for Minerals Date 11-13-92

Conditions of approval, if any: _____

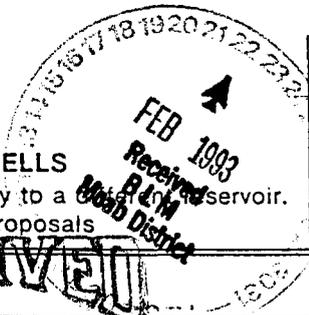
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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 reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals



5. Lease Designation and Serial No. U-31928

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

7. If Unit or CA, Agreement Designation TIN CUP MESA

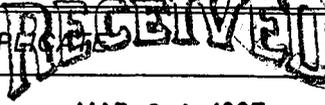
8. Well Name and No. TIN CUP MESA 6-26

9. API Well No. 43 3731540

10. Field and Pool, or Exploratory Area TIN CUP MESA

11. County or Parish, State SAN JUAN UT

SUBMIT IN TRIPlicate



MAR 01 1993

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, WY 82414 **DIVISION OF OIL GAS & MINING** 961

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 NE SE SECT.26 TWSHP 38.00 S RANGE 25.00 E
 2570' FSL, 430' FEL

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 type="checkbox"/> Other
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input checked="" 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.)*

Marathon Oil Company has completed the following work:

01-DEC-92
 RU HLS and shoot squeeze perfs from 5,554' - 5,556'.
 Wireline tagged PBTD at 5,721' (Corrected depth using CCL).
 Rig down HLS. Set RBP at 110'.

02-DEC-92
 Set retainer at 5,537'. Pumped produced water down tubing in attempt to establish circulation from the squeeze perf at 5,554' - 5,556' to the production perfs at 5,507' - 5,523'.
 Could not pump into perfs (5,554' - 56') at 2500 psi.
 Swabbed the tubing dry down to cement retainer. Wait 30 minutes and made another swab run. Tagged fluid at 4,750'.
 Recovered 2.6 bbls. SI Tubing and backside. SDFN.

03-DEC-92
 Set CIBP at 5,444'. Perforated 5,420' - 5,422' 4SPF, 90 deg phasing, 23 gram charges. Set packer at 5,407'. SWI.

DST: BLM ORIG+3 (SUDOGM-2, TITL&CONTS {HOUS}, WTR, DMJ, FMK, WRF)

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

Signed RPM Title REGULATORY COORDINATOR Date 17-FEB-93
 (This space for Federal or State office use) Branch of Fluid Minerals
Moab District

Approved by [Signature] Title _____ Date FEB 22 1993
 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.

SDFN.

04-DEC-92

Pumped into squeeze perfs at 5,420'-22' at 1.7 BPM at 2500 psi, with a strong blow on the backside. SWI. Drain lines. SDFN.

05-DEC-92

Set retainer at 5,378'.

06-DEC-92

RU Halliburton to cement from the squeeze perfs at 5,420'-22' to the liner top at 4,977'. Cemented with 25 sacks (5.1 bbls) class G cement plus additives, and 3 bbls fresh water.

09-DEC-92

Drill out cement from 4,935' to the liner top at 4,977'. POOH with 6-3/4" bit. PU

4-1/2" bit and four 3-1/2" drill collars. RIH and tag cement at 4,977'. Drill out cement stringers to 5,110'. Circulate clean and pull out of liner. Pressure test the liner top to 1000 psi for 5 minutes.

10-DEC-92

RIH to 5,110' and RU to drill. Drill out 1' of cement and fell through to the cement retainer at 5,378'. Drill out retainer in 3 hours. Drill out cement to the CIBP at 5,444'. Pressure test the squeeze perfs from 5,420'-22' and the liner top to 1000 psi for 10 minutes. Held good.

11-DEC-92

Drill on CIBP. Knock CIBP loose and pushed it down to the top of the cement retainer @ 5,537'. Left well open to flowline. 12-DEC-92

Set RBP packing elements at 5,503' and the packer at 5,410'. 13-DEC-92

Pump 1000 gal 15% HCL with mutual solvent (Musal A), surfactant (Losurf-300), iron inhibitor, and iron sequestrant. Reset the packer. Pumped 500 gal salt saturated gel plug with 2 #/gal medium and fine grain rock salt. Pumped 1000 gal 15% HCL with additives. Opened well to flowline. SDFN.

14-DEC-92

Shut-in the tubing and put the backside down the flowline. SDFN.

POP at 1600 hours 12/17/92. RD well service unit.

03-JAN-93

Well completed to pump at 145 X 9 SPM, 38-BOPD, 830-BWPD, 69-MCFD, 95.6% WC, GOR-1815, TP-60, CP-60. FINAL REPORT.

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 & MIN.

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

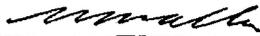
Re: Tin Cup Mesa Unit
San Juan County, Utah

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-IBC	7-FILE	✓
2-DP	8-FILE	✓
3-VLD		✓
4-RJF		✓
5-LRC		✓
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: **SEE ATTACHED**	API: <u>037-31540</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: _____

OPERATOR CHANGE DOCUMENTATION

- Sec 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)*
- Sec 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: _____
- Sec 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.
- Sec 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)*
- Sec 6. Cardex file has been updated for each well listed above. *(2-8-96 O&G wells) (Inj. Wells 4-3-96)*
- Sec 7. Well file labels have been updated for each well listed above. *(2-8-96 O&G wells) (Inj. Wells 4-3-96)*
- Sec 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)*
- Sec 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

- DR 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 App. eff. 1-12-96.

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING
1. DJJ
2. CDW

X - Change of Operator (Well Sold)

Operator Name Change/Merger

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

4/1/2008

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

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

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

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

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

BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UTB000019
2. Indian well(s) covered by Bond Number: n/a
- 3a. (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 ~~84606~~

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"**

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: CHANGE OF OPERATOR
	<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 2nd 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: SEE ATTACHED
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 <i>84608</i>		7. UNIT or CA AGREEMENT NAME: SEE ATTACHED
4. LOCATION OF WELL FOOTAGES AT SURFACE: SEE ATTACHED; EXHIBIT "A" COUNTY: SAN JUAN		8. WELL NAME and NUMBER: SEE ATTACHED
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <i>84066</i> STATE: UTAH		9. API NUMBER:
PHONE NUMBER: (435) 722-5081		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"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<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 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: CHANGE OF OPERATOR
	<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) KEN ALLEN TITLE PRESIDENT
SIGNATURE *Ken Allen* DATE 6-3-2008

(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)

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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

DBam

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

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. U-31928

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2.

Type of Well
 Oil Well Gas Well Other

7. If Unit of CA/Agreement, Name and/or No.
Tin Cup Mesa

Name of Operator
MAR/REG OIL COMPANY

8. Well Name and No.
Tin Cup Mesa Federal 6-26

9a. Address
PO Box 18148, Reno, NV 89511

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

9. API Well No.
43-037-31540

Location of Well (Footage, Sec., T, R., M., or Survey Description)
570 ft FSL, 430 ft. FEL, Sec. 26 T38S, R25E, SLM

10. Field and Pool or Exploratory Area
Tin Cup Mesa

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

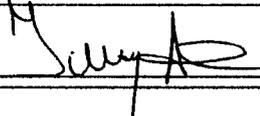
3. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths 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.)

June 20, 2008 MIRU, pulled rods
June 23, 2008 Rig laid down 37 joints of 2-7/8" tubing. Set Seating Nipple at 4,245.85 ft.
June 24, 2008 Pumped 50 bbl. hot oil down tubing. RIH 2-1/2"x2"x20' RWBC pump, 4-1" rods, 77-3/4" rods, 61-7/8" rods, 26-1" rods, and 22' polished rod. Total rod configuration: 4,242 ft.
Moved rig off hole, placed well into production.

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

Title Petroleum Engineer

Signature 

Date 07/02/2008

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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

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. U-31928

6. If Indian, Allottee or Tribe Name _____

7. If Unit of CA/Agreement, Name and/or No. Tin Cup Mesa

8. Well Name and No. Tin Cup Mesa 6-26

9. API Well No. 43-037-31540

10. Field and Pool or Exploratory Area Tin Cup Mesa

11. Country or Parish, State San Juan, Utah

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
MAR/REG OIL COMPANY

3a. Address
PO Box 18148, Reno, NV 89511

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2570 R FSL, 430 ft. FEL, Sec. 26 T38S, R25E, SLM

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

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

13. Describe Proposed or Completed 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.)

Hole developed in top joint of tubing.

Action Taken:

March 30, 2009 MIRU, pulled rods and pump. Paraffin covering rods and pump. Shut down, wait for hot oil truck.

March 31, 2009 Pump 45 bbl hot water to dissolve paraffin. Pull one joint of tubing with hole and lay down. Run in rods and pump. Space off polished rod and hang.

Rod Count: 1-1" x 2' sub, 1-1" x 4' sub, 1-1" x 2' sub, 71-1" x 25' rods, 69-7/8" x 25' rods, 79-3/4" x 25' rods and 2 1/2" x 2" x 20' pump. Location of SN 5504 ft.

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

Title ENGINEER

Signature Dan F. Green

Date 05/07/09

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 _____

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(Instructions on page 2)

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