ALL INFORMATION PERTAINING TO THIS WELL IS TO BE HELD
CONFIDENTIAL AS PRESCRIBED BY FEDERAL AND STATE LAWS.

NOTICE OF STAKING
(Not to be used in place of
Application to Drill Form 9–331–C)

RMOGA
5/5/82

1. Oil Well [X] Gas Well [ ] Other

2. Name of Operator
Marathon Oil Company

3. Address of Operator or Agent
P.O. Box 2659, Casper, WY 82602

4. Surface Location of Well
(Governmental 1/4 or 1/4 1/4)
2,400' FNL & 2,350' FEL

Attach: Topographical or other acceptable map showing location, access road, and lease boundaries.

CONFIDENTIAL

PROPOSED

5. Lease Number
U-22162A

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

8. Farm or Lease Name
South Mount Terrill

9. Well No.
1-1

10. Field or Wildcat Name
Wildcat

11. Sec., T., R., M., or Blk and Survey or Area
Section 1, T26S, R3E

12. County or Parish
Sevier

13. State
Utah

14. Formation Objective(s)
Cambrian

15. Estimated Well Depth
11,000'

16. To Be Completed by Operator Prior to Onsite

a. Location must staked

b. Access Road Flagged - Will be determined onsite

c. Sketch and/or map of location, showing road, pad dimensions, reserve pit, cuts, and fills (To be provided at onsite)

17. To Be Considered By Operators Prior to Onsite

a. H_2S Potential

b. Private Surface Ownership

c. Cultural Resources (Archaeology) BYU (Ace Nielson)

d. Federal Right of Way

18. Additional Information

IT IS IMPERATIVE THAT A PRESITE, STAKING, AND PREDRILL BE ACCOMPLISHED AS SOON AS POSSIBLE DUE TO ALTITUDE AND THE POSSIBILITY OF INCLEMENT WEATHER.

Attachments: Rig layout, Topo map.

19. Signed Tad T Calley by K Seward Title District Operations Manager Date August 26, 1982

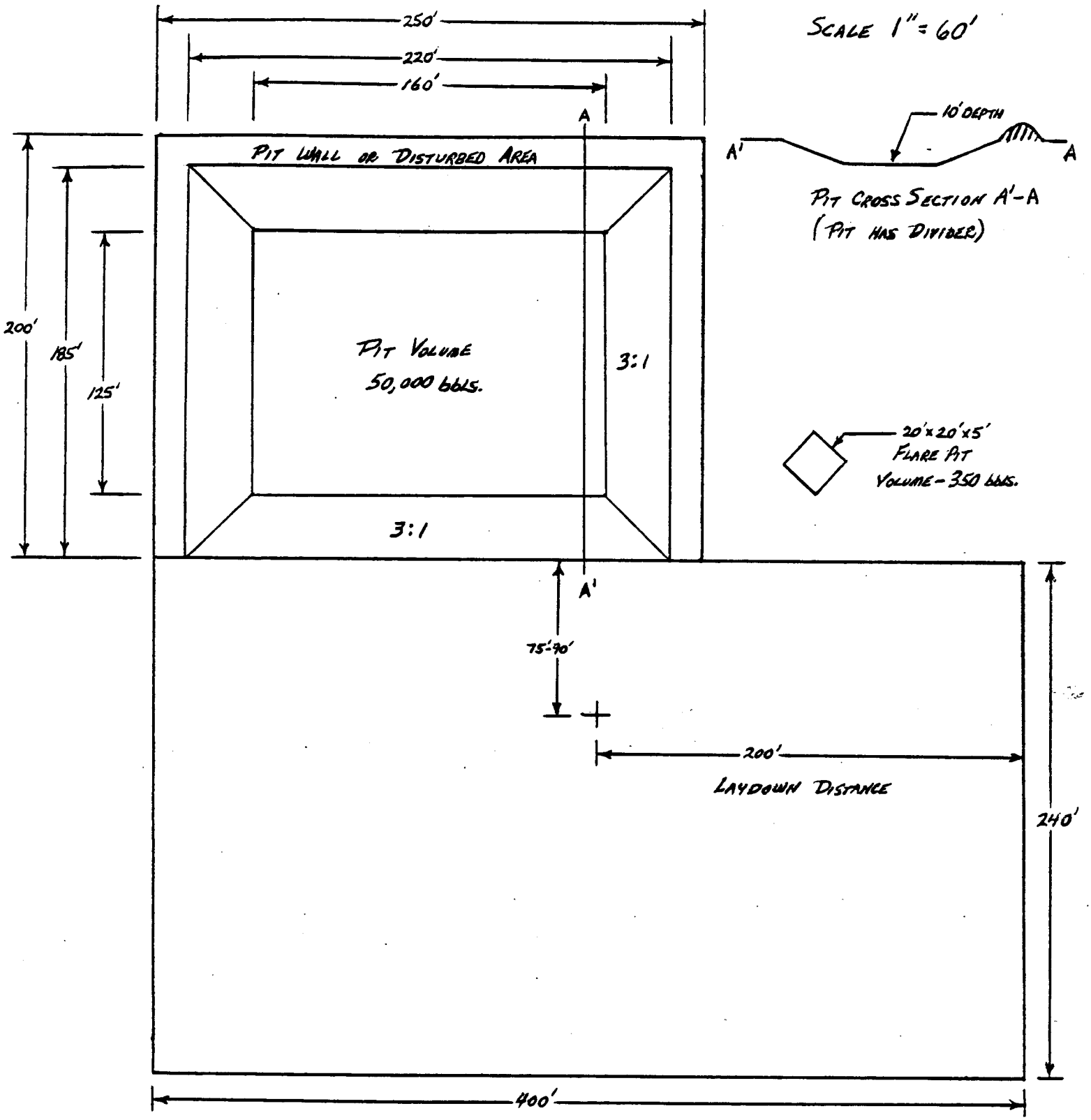
COPIES TO:

U.S. Forest Service
Loa District
Attn: Mr. Coy Jemmett
District Ranger
P.O. Box 128
Loa, UT 84747

BLM
Attn: Mr. Larry Gearhart
P.O. Box 99
Hanksville, UT 84734

MMS
Attn: Mr. Ed Guynn
1745 West 1700 South
Salt Lake City, UT 84104

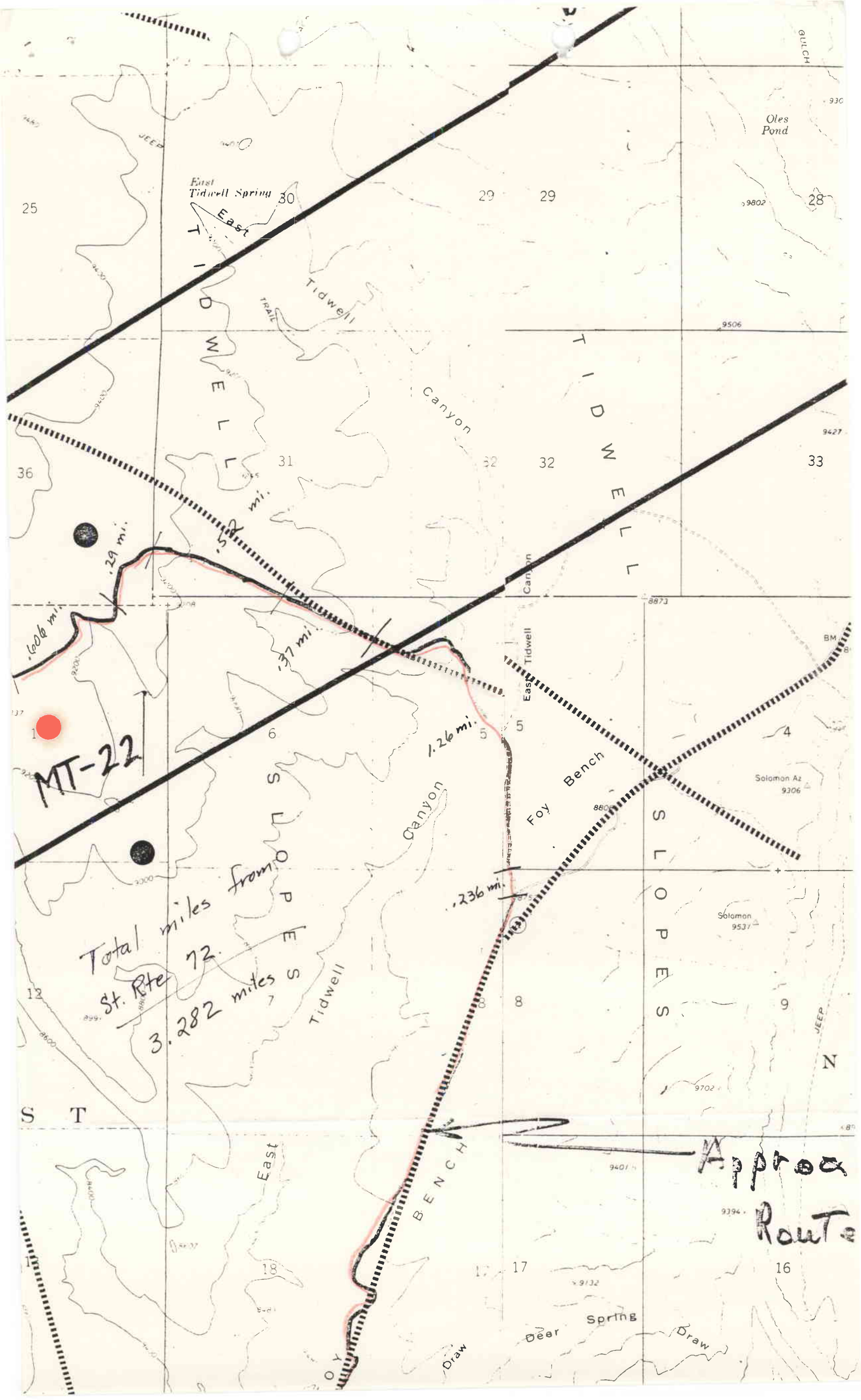
*Important: See Reverse Side for Instructions



Location Area - 96,000 sq. ft.
2.2 acres
Pit Area - 50,000 sq. ft.
1.2 acres
Total Disturbed
Area - 146,000 sq. ft
3.4 acres

PROPOSED RIG LAYOUT

SOUTH MOUNT TERRILL 1-1


East Tidwell Spring
East Tidwell Trail
Tidwell Trail
Oles Pond
Tidwell Canyon
East Tidwell Canyon
Foy Bench
Tidwell Canyon
East Tidwell Bench
Deer Spring Draw
Draw
Solomon Az 9306
Solomon 9537
.29 mi.
.606 mi.
.37 mi.
1.26 mi.
.236 mi.
MT-22
Total miles from St. Rte 72.
3.282 miles
Approx Route

Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL ☐ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL
OIL WELL [X] GAS WELL ☐ OTHER SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. NAME OF OPERATOR
Marathon Oil Company

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface
1,409.18' FNL & 2,799.55' FEL SENW
At proposed prod. zone
2800'

5. LEASE DESIGNATION AND SERIAL NO.
U-22162A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
South Mount Terrill

9. WELL NO.
1-1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 1, T26S, R3E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
21 miles northwest of Loa, Utah

12. COUNTY OR PARISH: Sevier
13. STATE: Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)	16. NO. OF ACRES IN LEASE	17. NO. OF ACRES ASSIGNED TO THIS WELL
1,409.18'	610.32	40
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	**19. PROPOSED DEPTH**	**20. ROTARY OR CABLE TOOLS**
None	11,000'	Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
9,252.8' Ungraded Ground

22. APPROX. DATE WORK WILL START*
October 1, 1982

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
Please see Item 4 of 10-Point for complete casing and cementing record				

1. Surveyor's Plat and Rig Laydown
2. Ten-Point Drilling Program
3. H_2S Contingency Plan
4. BOP Schematic
5. Thirteen-Point Surface Plan
6. Maps and Diagrams

RECEIVED
SEP 24 1982
DIVISION OF
OIL, GAS & MINING

The person responsible for the NTL-6 is: Walt West
Government Compliance
Marathon Oil Company
OFFICE: (307) 577-1555
HOME: (307) 235-1420

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

24.

SIGNED Dale Cuddy TITLE District Operations Manager DATE September 20, 1982

(This space for Federal or State office use)

PERMIT NO. 43-041-30025 APPROVAL DATE APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING DATE: 9-28-82 BY:

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

Marathon Oil Company
Well No. 1-1
Section 1, T.26S., R.3E.
Sevier County, Utah
Lease U-22162-A

Supplemental Stipulations

1) At least one half of the reserve pit depth should be in cut material, but any fill portions of the pit must be keyseated or core trenched with dikes compacted in lifts.

2) All large rock (12 inches diameter and larger) unearthed during operations will be buried in fill areas or in the mud pit upon completion of drilling.

3) The water transmission line presently crossing the site will be re-routed prior to site disturbance.

4) Approximately 20-30 yards of U-72 will be kept clear of snow to allow parking for snowmobile users.

5) Roadside drainage ditch profiles shall not exceed one percent.

6) Borrow area shown on Diagram C, detail B, is to be deleted from the plan.

7) Fill banks at culvert ends shall be armored with riprap.

8) Topsoil pile needs to be protected from road drainage.

9) Adequate and sufficient electric/radioactive logs will be run to locate and identify anticipated coal beds in the Mancos. Please also provide two copies of drilling logs. Casing and cementing programs will be adjusted to eliminate any potential influence of the well bore or productive hydrocarbon zones on the coal resource. Surface casing program may require adjustment for protection of fresh water aquifers.

ADDITIONAL STIPULATIONS FOR PRODUCTION FACILITIES

Your Application for Pe t to Drill also included ubmittal for production facilities. These production facilities are approved for the lessee and his designated operator under Section 1 of the Oil and Gas Lease with the following conditions:

(1) The oil and gas measurement facilities must be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy are to be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. Please provide this office with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports are to be submitted to the Salt Lake City District Oil and Gas Supervisor. Royalty payments will be made on all production volume as determined by the meter measurements or the tank measurements. All measurement facilities must conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

(2) Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs must be housed and/or fenced.

(3) All disturbed areas not required for operations will be rehabilitated.

(4) All produced liquids must be contained including the dehydrator vent/ condensate line effluent. All production pits must be fenced.

(5) The well activity, the well status and the date the well is placed on production must be reported on Lessee's Monthly Report of Operations, Form 9-329.

(6) All off-lease storage, off-lease measurement, or commingling on lease or off-lease must have written approval.

(7) All product lines entering and leaving hydrocarbon storage tanks must be locked/sealed.

(8) You are reminded of the requirements for handling, storing, or disposing of water produced from oil and gas wells under NTL-2B.

(9) All materials, trash, junk, debris, etc. not required for production must be removed from the well site and production facility site at the completion of these operations.

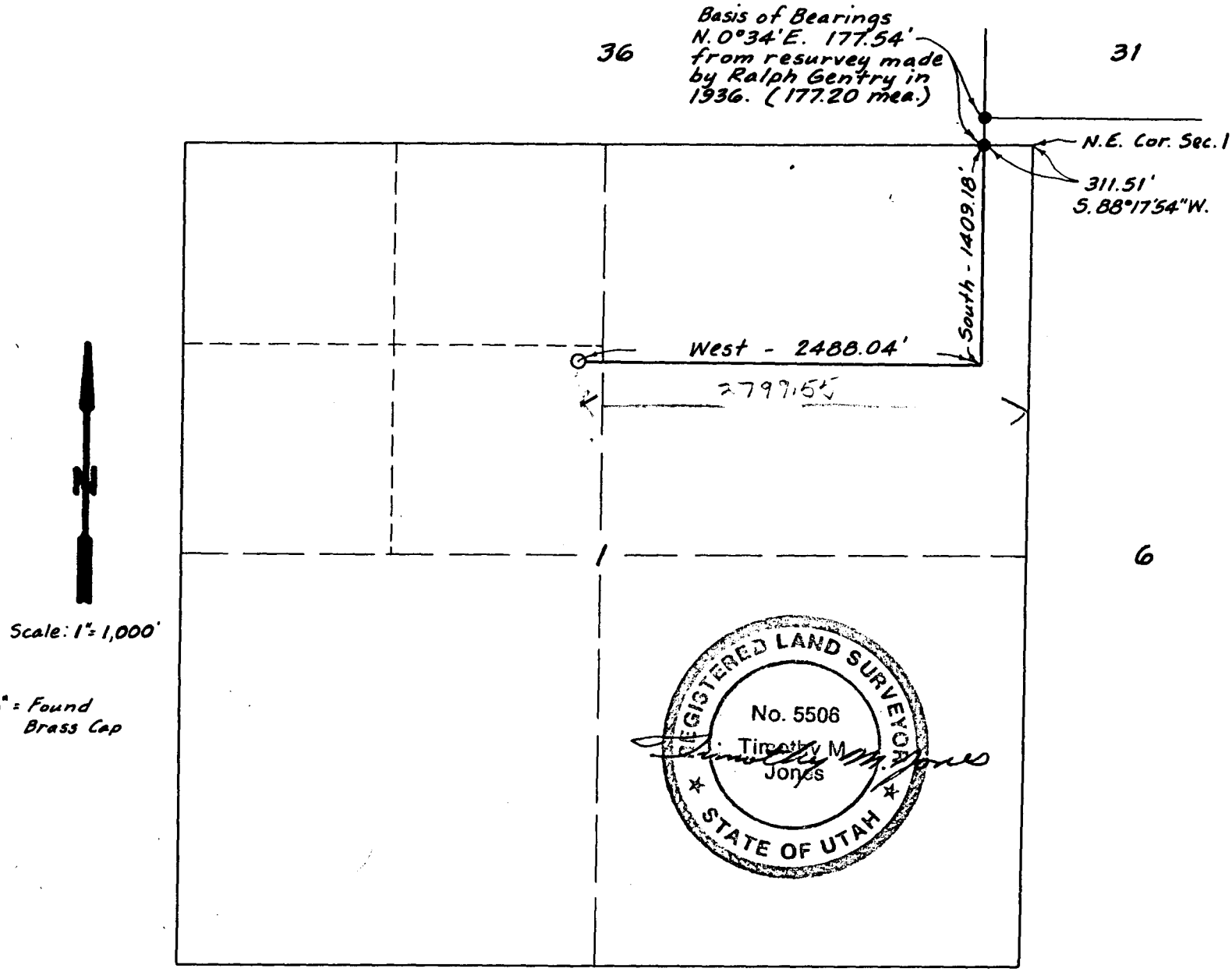
(10) A copy of the Gas Sales Contract will be provided to this office and the Royalty Accounting Department as directed.

(11) Construction and maintenance for surface use approved under this plan should be in accordance with the surface use standards as set forth in the BLM/GS Oil and Gas Brochure entitled, "Surface Operating Standards for Oil and Gas Exploration and Development." This includes, but is not limited to, such items as road construction and maintenance, handling of top soil and rehabilitation.

(12) "Sundry Notice and Reports on Wells" (form 9-331) will be filed for all changes of plans and other operations in accordance with 30 CFR 221.58. Emergency approval may be obtained verbally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alternations of facilities, including roads, gathering lines, batteries, measurement facilities, etc., will require the filing of a suitable plan and prior approval by the survey.

Prepared by:

JONES & DeMille Engineering
180 North 100 East
P.O. Box 747
Richfield, Utah 84701



I, Timothy M. Jones of Richfield, Utah hereby certify that in accordance with a request from Walt West of Casper, Wyoming for Marathon Oil Company made a survey on the 10th day of ~~September~~ 1982 for location and elevation of the South Mount Terrill 1-1 As shown on the above map, the wellsite is in the SE 1/4, NW 1/4 of Section 1, Township 26.5, Range 3E of the Salt Lake Meridian, Sevier County, State of Utah Elevation ~~is~~ 9252.8 feet ungraded ground Datum established from spot elevation at the NE corner of Section 1, T. 26 S., R. 3 E., S.L.M. as shown on USGS 7 1/2' topographic map "Forsyth Reservoir"

Reference point 300', N 10°33'04"E, set rebar, Elevation top of rebar = 9268.9'
Reference point 300', S 79°26'56"E, set rebar, Elevation top of rebar = 9239.8'
Reference point 300', S 10°33'04" E, set rebar, Elevation top of rebar = 9251.7'
Reference point 200', N 79°26'56" E, set rebar, Elevation top of rebar = 9263.2'

MARATHON OIL COMPANY

DRILLING OPERATIONS PLAN

DATE: September 20, 1982

WELL NAME: South Mount Terrill #1-1

LOCATION: 1,409.18' FNL & 2,799.55' FEL, Section 1, T26S, R3E, Sevier County, Utah

1. Geologic name of the surface formation:

Volcanics

2. Estimated tops of important geological markers:

Formation	Depth (KB)	Datum	Formation	Depth	Datum
Volcanics	0'	+9,350'	Moenkopi	6,437'	+2,913'
Mancos	1,500'	+7,850'	Sinbad	7,423'	+1,927'
Dakota	2,534'	+6,816'	Lower Moenkopi	7,617'	+1,733'
Morrison	2,586'	+6,764'	Kaibab	7,738'	+1,612'
Summerville	2,766'	+6,584'	Toroweap	7,887'	+1,463'
Curtis	2,966'	+6,384'	Coconino	8,046'	+1,304'
Entrada	3,016'	+6,334'	Hermosa	8,697'	+ 653'
Carmel	4,016'	+5,334'	Redwall	9,368'	- 18'
Navajo	4,612'	+4,738'	Ouray	10,223'	- 873'
Kayenta	4,737'	+4,613'	Elbert	10,338'	- 988'
Wingate	5,027'	+4,323'	Maxfield	10,857'	-1,507'
Chinle	6,062'	+3,288'	T.D.	11,000'	-1,650'

3. Estimated depths at which oil, water, gas, or other mineral bearing formations are expected to be encountered:

Formation	Depth (KB)	Datum	Probable Content
Sinbad	7,423'	+1,927'	Oil
Kaibab	7,738'	+1,612'	Oil
Redwall	9,368'	- 18'	Oil

4. The Proposed Casing Program:

Casing Design

CASING STRING	HOLE SIZE	INTERVAL	SECTION LENGTH	SIZE (OD)	WEIGHT, GRADE AND JOINT	MUD WEIGHT	1000# TENSION LOAD	SF_t	SF_c	SF_b
Conductor	36"	0'-100'	100'	30"	Thinwall Steel Pipe	8.6	N/A	N/A	N/A	N/A
Surface	17-1/2"	0'-2,500'*	2,500'	13-3/8"	68.0#, K-55, STC	8.8	170	4.23	1.50	1.77
Intermediate*	12-1/4"	0'-4,750'*	1,900'	10-3/4"	51.0#, L-80, Butt	9.5	255	7.45	3.17	1.60
			1,800'	10-3/4"	55.5#, L-80, Butt	9.5	158	6.59	2.09	1.67
			1,050'	10-3/4"	55.5#, SS-95, Butt	9.5	58	18.00	1.61	1.50
Production	9-1/2"	0-11,000'	11,000'	7-5/8"	33.7#**, N-80, LTC	9.0	371	1.82	1.15	1.66

* The 13-3/8" surface casing will be set through the volcanics with a minimum setting depth of 2,500'. Setting depth of the 10-3/4" intermediate casing may vary, and will be evaluated as actual drilling progresses.

** If hydrogen sulfide gas is encountered, H_2S resistant casing will be substituted.

Cement Program:

13-3/8" Surface Casing

Lead Slurry: 1,650 sx "lite" cement with 1/4#/sack cellophane flake (2,000' column).
Tail Slurry: 600 sx Class "G" with 1% $CaCl_2$ (500' column).
Excess Used: 100%
Float Equipment: 5 centralizers, stab-in float collar, float shoe.
W.O.C.: 12 hours before cutting off.

(Continued on next page)

Cement Program (continued):

10-3/4" Intermediate Casing

The cement type, additives, and float equipment will be designed on the basis of actual conditions at the time the string is set. A two stage cement job may be required. At present the following program is anticipated:

1st Stage: 175 sx Class "G" with 37.2% NaCl (saturated), 1/4#/sack cellophane flakes (800' column).

2nd Stage: 250 sx "lite" cement with 1/4#/sack cellophane flakes (1,650' column).

Excess Used: Caliper log plus 35%

Float Equipment: Stage collar @ 3,950', float collar, float shoe, 2 cement baskets, 10 centralizers.

W.O.C.: 12 hours between stages, 6 hours after 2nd stage before setting slips.

7-5/8" Production Casing

1st Stage: 570 sx Class "G" with 1/4#/sack cellophane flakes (2,700' column).

2nd Stage:
Lead Slurry: 450 sx "lite" with 1/4#/sack cellophane flakes (2,950' column).
Tail Slurry: 125 sx Class "G" with 1/4#/sack cellophane flakes (600' column).

Excess Used: Caliper logs plus 35%.

Float Equipment: Stage collar @ 8,300', float collar, float shoe, 2 cement baskets, 10 centralizers.

W.O.C.: 6 hours between stages, 6 hours after 2nd stage before setting slips.

5. Pressure Control Equipment:

30" Conductor Pipe

A 20" annular preventer with diverter lines and a rotating head will be rigged up on the 30" conductor pipe. The 20" annular will be function tested only. The diverter lines will be at least 8" diameter.

13-3/8" Surface Casing and 10-3/4" Intermediate Casing

The blind and pipe rams will be tested to 2,500 psi, the annular preventer will be tested to 1,500 psi and the casing will be tested to 2,500 psi prior to drilling the (13-3/8" or 10-3/4") casing shoe. After the casing shoe and five feet of new hole has been drilled, the formation will be tested to 14 ppg E.M.W. or leak-off, whichever occurs first. The B.O.P. equipment will be function tested daily and pressure tested monthly. A gas buster also will be used.

6. Drilling Mud Program:

From	To	Type Mud	Weight	% Oil	Water Loss
0'	2,500'	Air or LSND*	8.8	0	No Control
2,500'	4,750'	LSND/Salt Saturated	9.5	0	No Control
4,750'	T.D.	Dispersed	9.0	0	< 20 cc's

* Lost circulation is possible at any depth on the hole; therefore, mud weight should be kept at a minimum.

7. Auxilliary Equipment Required:

A Totco Visulogger or the equivalent will be used and will include flow sensors, pit level monitors, and a stroke counter.

Mud equipment will include a shale shaker, desander, desilter (or mud cleaner) and degasser.

A drilling rate recorder capable of recording each foot of hole drilled will be used.

A remote adjustable choke and manual choke will be used.

H_2S equipment will be placed on the rig on or before 6,500± of depth is reached.

Deviation Control:

From	To	Max. Distance Between Surveys	Max. Deviation From Vertical	Maximum Change Per 100' of Depth
0'	2,500'	100'	1^o	$1^o/100'$
2,500'	T.D.	500'	5^o	$1^o/100'$

No serious deviation problems are anticipated.

8. Testing, Logging, Coring, and Fracing Program:

A mud logger will be used from spud to T.D.

Samples will be taken at 10' intervals and a sample master will be used.

The following logs are anticipated before each casing string is run:

SP-DIL-GR; FDC/CNL-GR-Cal; BHC Sonic-GR-Dipmeter

Two 60' cores and two DST's are anticipated.

Fracing Program: Not anticipated.

9. Abnormal Conditions:

No abnormal pressures or temperatures are anticipated.

10. Anticipated Starting Date and Duration:

Starting Date: November 1, 1982

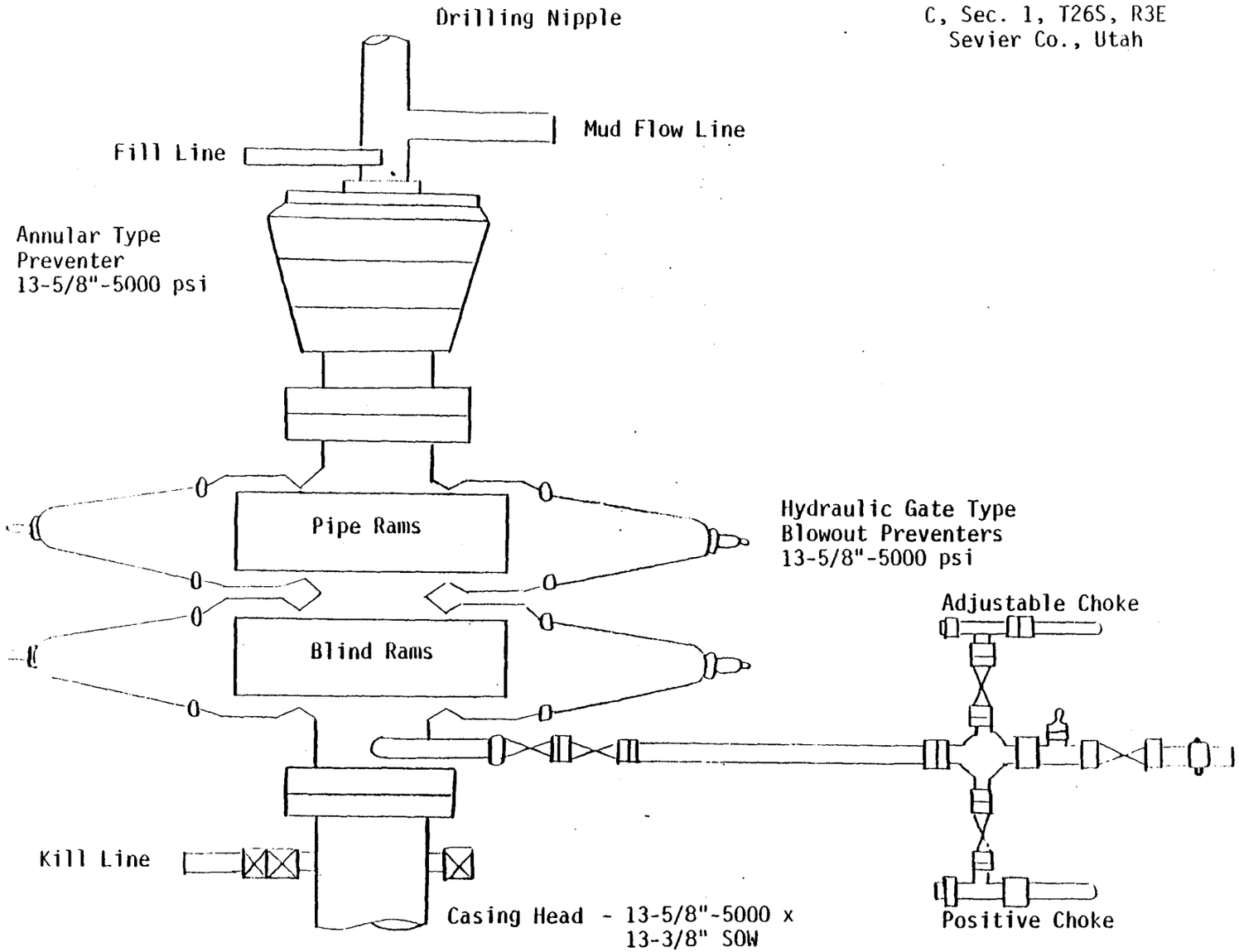
Duration: 120 Days

Name ME Krug

Title Drilling Superintendent

Date 9-17-82

Marathon Oil Company
South Mount Terrill 1-1
C, Sec. 1, T26S, R3E
Sevier Co., Utah



1. Blowout preventers, master valve, plug valve and all fittings must be in good condition. Use new API Seal Rings.
2. All Fittings (gates, valves, etc.) to be of equivalent pressure rating as preventers. Valves to be flanged and at least 2" unless otherwise specified. Valves next to BOP to be plug type and nominal 3".
3. Equipment through which bit must pass shall be as large as the inside diameter of the casing that is being drilled through.
4. Safety valve (Omsco or equivalent) must be available on rig floor at all times and with proper connections. The I.D. of safety valves should be as great as I.D. of tool joints on drill pipe.
5. Kelly safety valve installed, same working pressure as BOP's.
6. All lines and controls to preventers must be connected and tested before drilling out of surface pipe.
7. BOP's must be fluid operated, complete with accumulator. Controls may be either on floor or ground near steps from rig floor.
8. Fillup line tied to drilling nipple, the connection must be below and approximately 90^{0} to the flow line.
9. Gauge will be installed for testing but removed while drilling.
10. Spool not required, but when side outlet on BOP's is used, it must be below bottom ram.
11. Casinghead and casinghead fittings to be furnished by Marathon Oil Company

MARATHON OIL COMPANY
SURFACE USE & OPERATIONS PLAN

DATE: September 20, 1982

WELL NAME: South Mount Terrill #1-1

LOCATION: 1,409.18' FNL & 2,799.55' FEL, Section 1, T26S, R3E, Sevier County, Utah.

#1 Existing Roads:

A. Proposed well site as staked. (Actual staking should include two each 200-foot directional reference stakes.)

See survey plat

B. Route and distance from nearest town and locatable reference point to where well access route leaves main road.

16 miles NE of Loa, Utah, on State Highway #72.
See map Diagram "A".

C. Access road(s) to location color-coded or labeled.

See map Diagram "A", color-coded green.

D. If exploratory well, all existing roads within a 3-mile radius (including type of surface, conditions, etc.).

See map Diagram "A".

E. If development well, all existing roads within a 1-mile radius of well site.

New route determined at onsite.
See map Diagram "A".

F. Plans for improvement and/or maintenance of existing roads.

18' wide, 24' total disturbance, crowned & ditched, some surfacing necessary.

#2 Planned Access Roads:

Map showing all necessary access roads to be constructed or reconstructed, showing:

(1) Width 18'

(2) Maximum grades 0-8°

(3) Turnouts None

(4) Drainage design Crown and ditch, trailer ditches where needed.

(5) Location and size of culverts and brief description of any major cuts and fills.

See surveyors map of proposed access road.

(6) Surfacing material

Gravel

(7) Necessary gates, cattleguards, or fence cuts.

None

(8) (New or reconstructed roads are to be center-line flagged at time of location staking.)

Access is center line flagged with hot blue and orange flagging.

#3 Location of Existing Wells:

Two-mile radius map if exploratory, or 1-mile radius map if development well, showing and identifying existing:

(1) Water wells	None
(2) Abandoned wells	None
(3) Temporary abandoned wells	None
(4) Disposal wells	None
(5) Drilling wells	None
(6) Producing wells	None
(7) Shut-in wells	None
(8) Injection wells	None

(9) Monitoring or observation wells for other resources.

#4 Location of Existing and/or Proposed Facilities:

A. Within 1-mile radius of location show the following existing facilities owned or controlled by lessee/operator:

(1)	Tank Batteries	None
(2)	Production Facilities	None
(3)	Gathering Lines	None
(4)	Gas Gathering Lines	None
(5)	Injection Lines (indicate if any of the above lines are buried).	None
(6)	Disposal Lines	None

B. If new facilities are contemplated, in the event of production, show:

(1) Proposed location and attendant lines by flagging if off of well pad.

Adjacent to the access road and as close to the proposed drill site as possible, without setting on any fill.

(2) Dimensions of Facilities

See proposed Diagram "B"

(3) Construction methods and materials

Good engineering practices will be used in construction. Materials will be obtained through local vendors and contractors.

(4) Protective measures and devices to protect livestock and wildlife.

Woven wire fencing of the pit area.

C. Plans for rehabilitation of disturbed areas no longer needed for operations after construction completed.

Drill site and tank battery area will be reshaped to conform with the topography. Top soil will be distributed at the proper time. Disturbed areas scarified with contours to a depth of 12". Seeds will be broadcast, as per USFS recommendations.

#5 Location and Type of Water Supply:

A. Show location and type of water supply either on map or by written description.

Two sources:
Primary - See map Diagram "D" for proposed drilling of water well on location.
Secondary - Forsythe Reservoir

B. State method of transporting water, and show any roads or pipelines needed.

Over existing roads.

C. If water well is to be drilled on lease, so state. (No APD for water well necessary, however, unless it will penetrate potential hydrocarbon horizons.)

A proposed water well will be drilled. State permits applied for.

#6 Source of Construction Materials:

A. Show information either on map or by written description.

Gravel. Source will be on USFS or BLM lands.

B. Identify if from Federal or Indian Land.

None

C. Describe where materials, such as sand, gravel, stone and soil material, are to be obtained and used.

Any needed materials will be discussed with Mr. Coy Jemmett, USDA Forest Service, Loa, Utah, or Mr. John Branch, BLM, Richfield, Utah.

D. Show any needed access roads crossing Federal or Indian Lands under Item 2.

None

#7 Methods of Handling Waste Disposal:

Describe methods and location of proposed containment and disposal of waste material, including:

(1) Cuttings	Reserve Pit
(2) Drilling fluids	Reserve Pit
(3) Produced fluids (oil, water)	Test Tank

(4) Sewage — Porta Pot. Two 150 bbl metal holding tanks buried 5', for the trailers.

(5) Garbage and other waste material (trash pits will be completely contained with small mesh wire to prevent wind scattering trash before being burned or buried).

Trash cage. Any burning or burying will be discussed with USFS, Loa District.

(6) Statement regarding proper cleanup of well site area when rig moves out.

Area will be cleaned up and trash materials hauled to a disposal site.

#8 Ancillary Facilities:

Identify all proposed camps and airstrips on a map as to their location, area required and construction methods. (Camp center and airstrip center lines to be staked on the ground.)

See Diagram "D" showing layout of trailers on location.

#9 Wellsite Layout:

A plat (not less than 1" = 50') showing:

(1) Cross sections of drill pad with cuts and fills.

See Diagram "C"

(2) Location of mud tanks, reserve, burn and trash pits, pipe racks, living facilities and soil material stockpiles.

See Diagram "D"

(3) Rig orientation, parking areas, and access roads.

See Diagram "D"

(4) Statement as to whether pits are to be lined or unlined. (Approval as used in this section means field approval of location. All necessary staking of facilities may be done at time of field inspection.) A registered surveyor is not mandatory for such operations.

Decision to line pit will be made after excavation.

#10 Plans for Restoration of Surface:

State restoration program upon completion of operations, including:

(1) Backfilling, leveling, contouring, and waste disposal; segregation of spoils materials as needed.

Site will be cleaned of waste materials. Reserve pit will be backfilled as soon as it's dry.

(2) Revegetation and rehabilitation - including access roads (normally per BLM recommendations).

Topsoil will be redistributed at proper season. Seeding will be USFS requirements. Access road will remain at request of USFS.

(3) Prior to rig release, pits will be fenced and so maintained until cleanup.

Reserve pit will be fenced on 3 sides during drilling. At completion of drilling, all pits will be fenced on the remaining side.

(4) If oil on pit, remove oil or install overhead flagging.

If there is any oil on the reserve pit, it will be removed or flagged with overhead flagging.

(5) Timetable for commencement and completion of rehabilitation operations.

Depending upon climatic conditions, restoration should be completed from six months to one year after abandoning well.

#11 Other Information:

General Description of:

(1) Topography, soil characteristics, geologic features, flora and fauna.

Sagebrush, aspen trees, rock formations, occasionally dissected by light to heavy drainage features. Deer, rabbits, fox, small rodents, and cattle.

(2) Other surface use activities and surface ownership of all involved lands.

Access road and drill site are owned by U.S. Government.

(3) Proximity of water, occupied dwellings, archeological, historical, or cultural sites.

There is no water or occupied dwelling in the area. Archeological work was performed by BYU, Provo, Utah.

#12 Lessee's or Operator's Representative:

Mike E. Krugh - Marathon Oil Company
P.O. Box 2659
Casper, WY 82602

Office: 307-577-1555, ext 408
Home: 307-577-1664

#13 Certification: The following statement is to be incorporated in the plan and must be signed by the lessee's or operator's field representative who is identified in item No. 12 of the plan:

I hereby certify that I, or persons under my direct supervison, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Marathon Oil Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

9-16-82
Date

M E Krugh
Name

District Drlg. Supt.
Title

A CULTURAL RESOURCE INVENTORY OF 40 ACRES AND 3.2 MILES OF ACCESS ROAD ON TIDWELL SLOPES FOR MARATHON OIL COMPANY

by

Asa S. Nielson

Cultural Resource Management Services
A. S. Nielson, Principal Investigator
Department of Anthropology
Brigham Young University
Provo, Utah 84602

for

Marathon Oil Company
Casper, Wyoming

13 September 1982

U.S. Forest Service Special Use Permit dated 9 September 1982
Sevier County
Fishlake National Forest

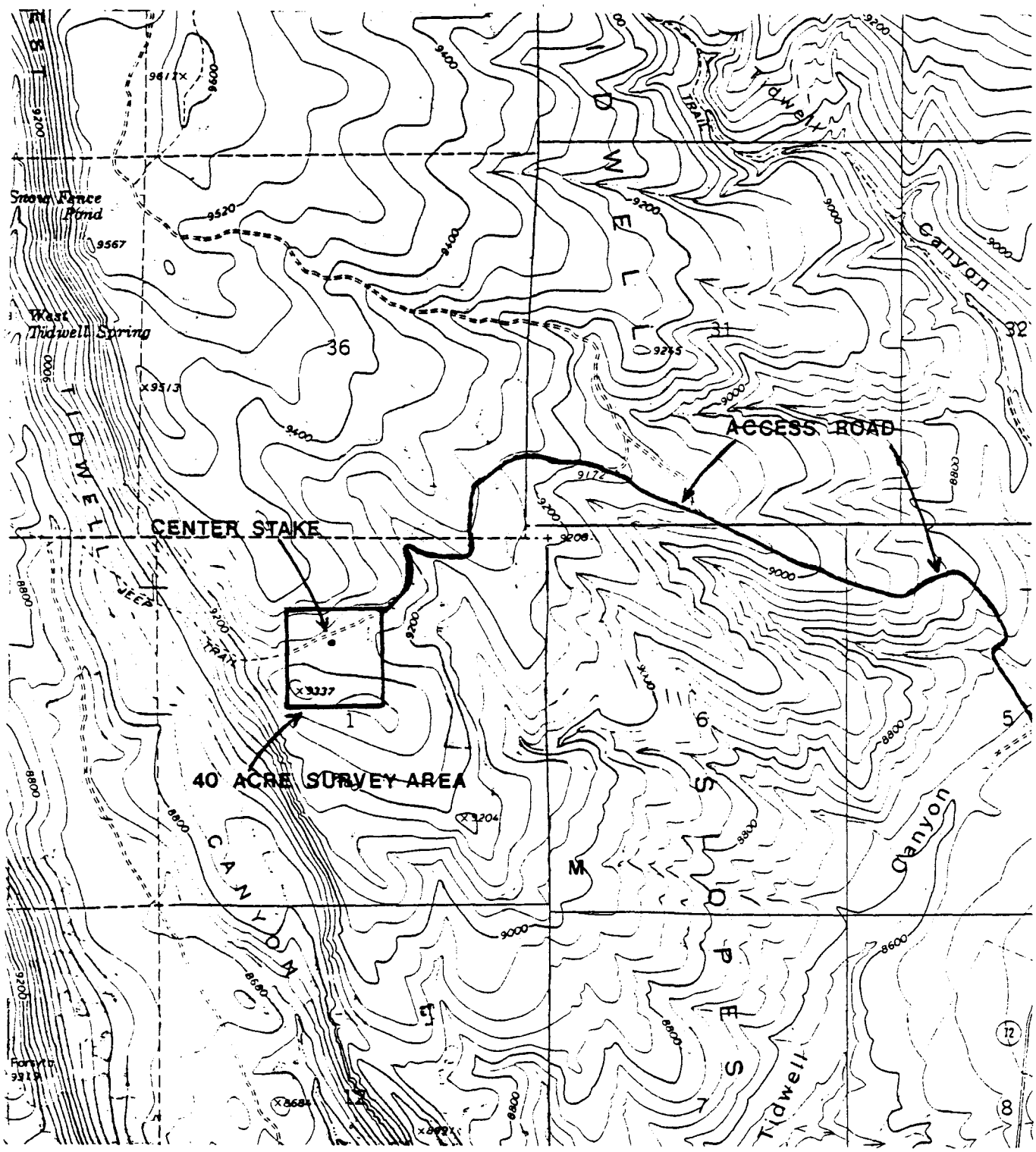
A CULTURAL RESOURCE INVENTORY OF 40 ACRES AND 3.2 MILES OF ACCESS ROAD ON TIDWELL SLOPES FOR MARATHON OIL COMPANY

INTRODUCTION

The Cultural Resource Management Services (CRMS), Brigham Young University, has completed a cultural resource inventory on Tidwell Slopes for Marathon Oil Company of Casper, Wyoming. The inventory is for a proposed drill location (U-22162-A South Mt. Terril 1-1) and the associated access road. The work was requested by Mr. Walt West, Government Compliance Engineer for Marathon Oil. The inventory was completed by Asa S. Nielson, Durector-CRMS/BYU, assisted by Marian Jacklin and Charmaine Thompson, staff members of CRMS, on 9 September 1982. The work was authorized by a U.S. Forest Service Special Use Permit issued 9 September 1982.

LOCATION

The drill site is in the NE¼ SE¼ NW¼ of Section 1, T26S R3E (Forsyth Reservoir Quadrangle, Utah, 7.5-minute series topographic). The 40-acre unit surveyed around the well location is in all or portions of the SE¼ and NE¼ of the NW¼, the NW¼ and NE¼ of the NE¼ of Section 1, (Figure 1a). The access road begins at State Road 72 in the NW¼ NW¼ NE¼ of Section 8, T26S R4E (UTM 456515mE 4270700mN - Figure 1b). The road proceeds about 1.6 miles north into the NE¼ NE¼ SW¼ of Section 5, then north-northwest about 1.8 miles to the NE¼ SE¼ SE¼ of Section 36, T25S R3E. The road turns southwest for about .7 mile and enters the 40-acre unit in the SW¼ NW¼ NE¼ of Section 1 (UTM 453785mE 4270360mN - Figure 1a). All of the land involved in the inventory is administered by the Loa District, Fishlake National Forest.



SCALE 1:24000

1 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

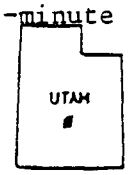
1 5 0 1 KILOMETER

N

PROJECT: Marathon Mt. Terril Project **T.** 25-26S **R.** 3-4E

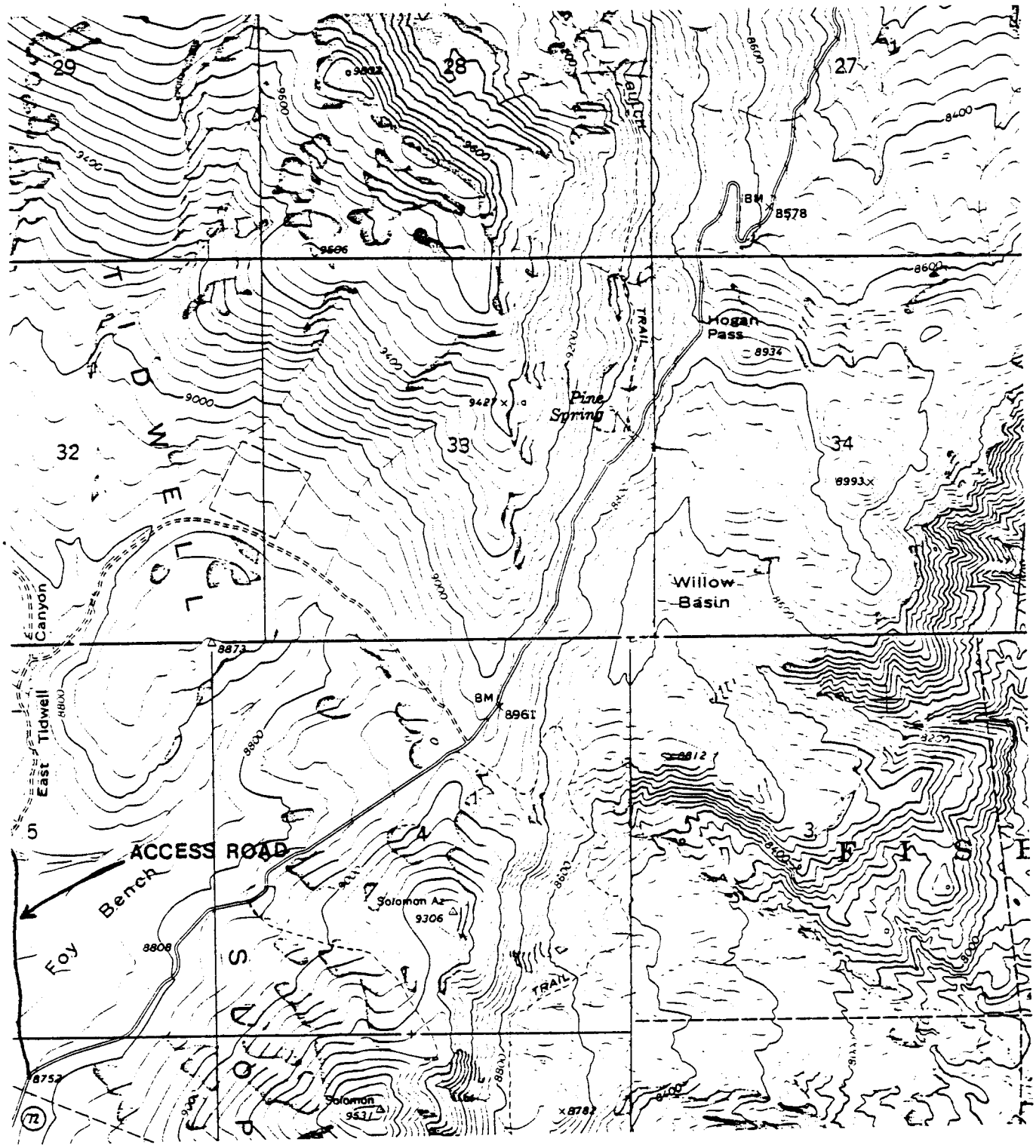
COUNTY: Sevier **QUAD:** Forsyth Reservoir, Utah 7.5-minute

LEGEND: Access Road



QUADRANGLE LOCATION

Figure 1a



SCALE 1:24000

1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 KILOMETER

PROJECT: Marathon Mt. Terril Project **T.** 25-26S **R.** 4E

COUNTY: Sevier

QUAD: Forsyth Reservoir, Utah
7.5-minute

LEGEND: —— Access Road

UTAH

QUADRANGLE LOCATION

Figure 1b

SURVEY METHODS

The 40-acre tract was examined by surveyors completing several parallel Brunton-guided transects. The crew members were spaced 15-20 meters apart. The access road was examined by placing a crew member 20 meters off each side of the existing road and completing a single zig-zag transect the entire length of the road. In this manner nearly 100 feet on each side of the road was examined. Sites were recorded on IMACS Site Forms, photographs taken, a sketch location map drawn and the location plotted on a U.S.G.S. topographic map. Isolated artifacts were recorded in field notes and located on a U.S.G.S. topographic map. No artifacts were collected.

ENVIRONMENT

Geology

The survey area is part of the Southern High Plateaus, Basin and Range-Colorado Plateau Transition (Stokes 1977). The area is known locally as the Tidwell Slopes, and is immediately east of West Tidwell Canyon. This part of the plateau is covered with a thick layer of Silver Shield Latite overlying Pinyon Creek Conglomerate, both Miocene deposits. Creek and wash bottoms contain deposits of Pleistocene and Recent alluvium that varies in depth. Soils in heavy forested areas are largely residual and shallow, with moderate loam development. The slopes have been stripped in places, exposing weathered bedrock, mostly latite basalts (Hintze 1980).

Flora/Fauna

The altitude in the area varies from 2830 meters (8630 feet) to 3050 meters (9300 feet). However, the flora more closely fits the Canadian Life Zone (IMACS Manual 1982). Flora observed includes Douglas fir (*Pseudotsuga menziesii*), aspen (*Populus tremuloides*), blue spruce (*Picea pungens*), mountain mahogany or curl-leaf cercocarpus (*Cercocarpus ledifolius*), with an understory of sagebrush (*Artemisia* spp.), broom snakeweed (*Gutierrezia sarothrae*), lupine (*Lupinus bicolor*), currant (*Ribes* spp.), Indian paintbrush (*Castilleja* spp.), buck-

wheat (Eriogonum spp.), Oregon grape (Berberis repens), fishhook cactus (Opuntia spp.) and a variety of composite flowers and various grasses.

Fauna observed includes mule deer (Odocoileus hemionus) tracks and the droppings of elk (Cervus canadensis), porcupine (Erithizon dorsatum), black-tail jackrabbit (Lepus californicus), white-tail jackrabbit (Lepus townsendii), mountain cottontail (Sylvilagus nuttalli) and red squirrel (Tamiasciurus hudsonicus).

PREVIOUS RESEARCH

A search of the files at the Utah Division of State History and the U.S. Forest Se-vice office in Richfield revealed no previously known sites along the proposed access road or in the 40-acre area. However, Hauck (1977) reports several sites in nearby quarter-section sample units, particularly north and east of the inventory area. Further from the area Hauck (1977, 1980) also reports heavy site concentrations near Paradise Lake and the Baker Ranch. Prior to these investigations excavations were completed on several village sites (Madsen 1975a; Schroedl and Hogan 1975; Aikens 1967; Wilson and Smith 1975), as well as important stratified shelter sites (Jennings, Schroedl and Holmer 1980; Lindsay and Lund 1976). Excavations are currently underway northwest of the area at Nawthis Village, with analysis still under way (Holmer, personal communication, 1982). Some of the surveys and excavations have been summarized by Sargent (1977) and by Hull and Avery (1980).

Briefly, all of the previous work indicates a relatively long time span of human occupation of the region. The first firm evidence of human occupation dates to about 14,000-10,000 B.P. (Before Present), with the advent of the Paleo-Indians or Big-game Hunters. Various styles of projectile points (i.e. Clovis, Folsom, Hells Gap, Scottsbluff etc.) have been reported in the region, as well as extinct Pleistocene fauna the Paleo-Indians were known to exploit (Madsen, Currey and Madsen 1976). However, direct unquestionable association of the projectile points with the extinct fauna has yet to be established.

The Paleo-Indians were replaced by or possibly adapted into a cultural phenomenon referred to as the Archaic, or Desert Archaic, of

about 8000-1500 B.P. (Jennings 1957). The Archaic Culture practiced a nomadic lifestyle, exploiting various wild resources in seasonal rounds. The presence of the Archaic Culture is documented by numerous surface finds of diagnostic projectile points (Hauck 1977), and especially by the controlled excavation of several stratified shelters in the region (Jennings, Schroedl and Holmer 1980; Lindsay and Lund 1976; Jennings et.al. 1980; Jennings 1978). Such excavations have led to detailed reports of projectile point styles (Holmer 1976), and a cultural synthesis (Schroedl 1976). Schroedl details various sub-phases in the history of the Archaic and projects possible population dynamics and evolution of cultural remains.

In the inventory area the Archaic were either replaced by (Madsen and Berry 1975) of evolved into (Aikens 1970; Jennings 1978) the Formative Fremont Culture (1500-700 B.P.). The Fremont are well known for the development of semi-sedentary, if not sedentary, village life. There is strong evidence for a mixed blend of horticulture and continued exploitation of wild resources (Madsen and Lindsay 1977; Marwitt 1968). They are also known for the development of distinctive ceramic styles (Madsen 1977), basketry (Adovasio 1975, 1980) and projectile points (Holmer and Weder 1980).

Around 700 B.P. the Fremont were replaced by Numic language groups such as the Paiute, Ute and Shoshoni (Madsen 1975b). The Numic people practiced a nomadic seasonal round similar to the earlier Archaic (Euler 1966; Steward 1938) supplemented by occasional horticulture. The short time span and nomadic lifestyle have resulted in a noticeable lack of material remains. There are no records of careful, professional excavation of Numic sites, which only accentuates our dearth of knowledge of Numic material culture. A few Numic sites have been recorded, evidenced by surface finds in the region (Sargent 1977; Hauck 1977).

The Numic groups were replaced by the rapidly expanding Anglo-European settlement of the area by the late 1800s. Recorded Anglo-European incursion into the region began as early as 1776, with the Dominguez-Escalante journey. Between then and 1847, forays into Utah were limited to fur trappers and traders. Anglo settlement began with the arrival of Mormon pioneers in 1847. Thereafter, the Mormon Church

began deliberate "mission" settlements to secure political boundaries and to expand its resource base (Hull and Avery 1980). The area's minerals, especially coal and some gold, began the shift away from agriculture toward mineral resource development north of the inventory area. The immediate area continues to be used primarily for agriculture, recreation and, of late, some coal and other fossil fuel development.

PRESENT IMPACTS

The inventory area has been impacted mainly by grazing and recreation activity. Numerous small trails and roads appear to be the result of hunting activity. Several fence lines cross the eastern portion of the area, especially near State Road 72.

SURVEY RESULTS

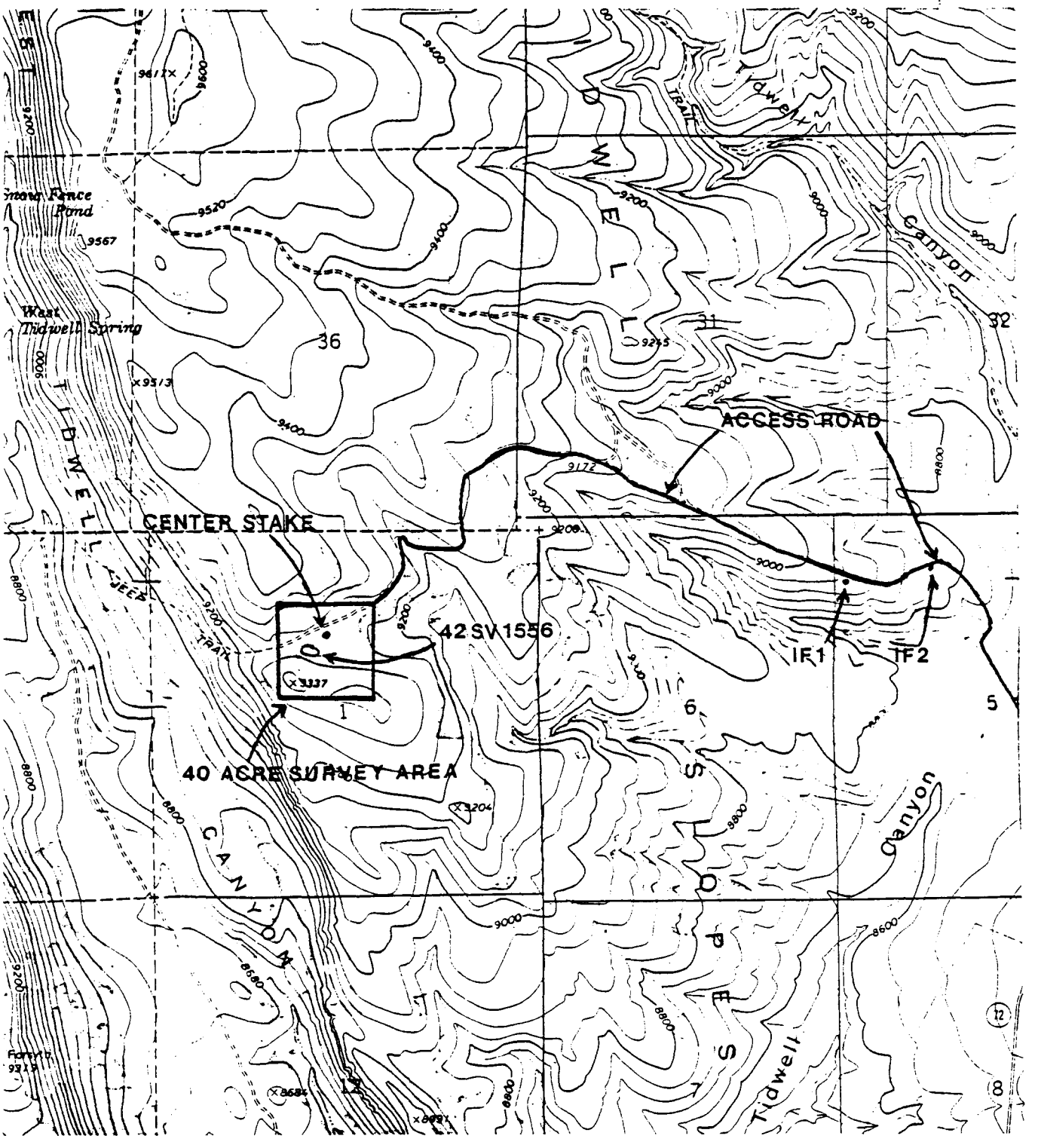
One historic site (42SV 1552) and two isolated artifacts were recorded during the inventory. The cultural material is summarized in Table I. Occasional pop cans and plastic shotgun shells were noted along the access road, but were not plotted on the topographic map.

Site 42SV 1552 (Figure 2) is in the NE¼ SE¼ NW¼ of Section 1, T26S R3E (UTM 453460mE 4270140mN), Forsyth Reservoir Quadrangle, Utah (7.5-minute series topographic). It is an historic camp, situated on the edge of a sage flat just inside an aspen grove. It covers an area approximately 100 by 30 meters. There are two aspen log corrals, at least two stone-lined fire pits, tree carvings dating from 1915 forward and a general scatter of trash. Artifacts include 7mm and 30-30 caliber cartridges, beer bottle glass, soldered cans, milk glass and aluminum cans. Deer bone abounds. The site contains no permanent structures (the exceptions being the corrals), and appears to have no accumulated depth outside the hearths. The site cannot be associated with any historic event or prominent citizen. The site is not significant.

TABLE I

SITE AND ISOLATED ARTIFACT SUMMARY

Site/Isolate Number	Site/Isolate Type	Cultural Affiliation	Significance	Recommendations
42SV 1152	Hunting camp	Euro-American	None	None
IF-1	Glass fragment	Euro-American	None	None
IF-2	Single flake	Prehistoric?	None	None



PROJECT: Marathon Mt. Terril Project **T.** 25-26S **R.** 3-4e

COUNTY: Sevier

QUAD: Forsyth Reservoir, Utah 7.5-minute

LEGEND: ⬭ Archaeological Site

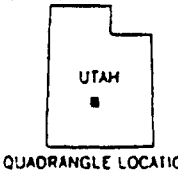


Figure 2

Isolated Artifacts

IF-1 is in the SW¼ NW¼ NW¼ of Section 5, T26S R4E. It consists of four widely-scattered purple bottle fragments. They appear to be from a small medicine bottle, but none of the pieces fit together. No manufacturer's marks were noted. No other artifacts were noted near the glass fragments. Purple glass usually pre-dates 1918 in manufacture.

IF-2 is in the SE¼ NW¼ NW¼ of Section 5, T26S R4E. It is a single secondary flake. It appears to be a shaping flake, possibly from a gray chert tool. The flake is not diagnostic.

RECOMMENDATIONS

Site 42SV 1552 is not significant and is about 100 meters from the drill site boundary. As such it will receive no direct impact. No further work is deemed necessary to protect this site. The isolated artifacts are not significant and need be of no further concern. CRMS recommends to the Loa District of the Fishlake National Forest that Marathon Oil Company be granted a cultural resource clearance for the proposed project, with the following suggestions:

1. that personnel and equipment associated with the project be restricted to those areas surveyed for the project;

2. that personnel associated with the project refrain from collecting or otherwise disturbing cultural materials which may be noted during development; and

3. that should unrecorded cultural materials be observed during development, activity in the affected area(s) should cease and the Loa District Office of the Fishlake National Forest be notified immediately.

Asa S. Nielson
Director - CRMS/BYU

BIBLIOGRAPHY

Adovasio, James M.
1975 Fremont Basketry. Tebiwa, Vol. 17, No. 2. Idaho State University. Pocatello.

1980 Fremont: An Artifactual Perspective. Antiquities Section Selected Papers, Vol. VII, No. 16. Division of State History. Salt Lake City.

Aikens, Melvin C.
1967 Excavations at Snake Rock Village and the Bear River No. 2 Site. University of Utah Anthropological Papers, No. 87. Salt Lake City.

1970 Hogup Cave. University of Utah Anthropological Papers, No. 93. Salt Lake City.

Euler, Robert C.
1966 Southern Paiute Ethnohistory. University of Utah Anthropological Papers, No. 78. Salt Lake City.

Hauck, F. Richard
1977 Cultural Resource Evaluation in Central Utah 1977. Cultural Resources Series, No. 3. Bureau of Land Management. Salt Lake City.

Hauck, F. Richard, and Dennis G. Weder
1980 Archeological Reconnaissance in the Paradise Lake Locality of Sevier County, Utah. Archeological/Environmental Research Corporation Papers, No. 7. Salt Lake City.

Hintze, Lehi F.
1980 Geologic Map of Utah. Utah Geological and Mineral Survey. Salt Lake City.

Holmer, Richard N.
1976 A Mathematical Typology for Archaic Projectile Points of the Eastern Great Basin. Ph.D. dissertation, Department of Anthropology, University of Utah. Salt Lake City.

Holmer, Richard N., and Dennis G. Weder
1980 Common Post-Archaic Projectile Points of the Fremont Area. Antiquities Section Selected Papers, Vol. VII, No. 6. Division of State History. Salt Lake City.

Hull, Frank W., and Alec Avery
1980 Cultural Resources Existing Data Inventory, Richfield District, Utah. University of Utah Archeological Center. Salt Lake City.

Jennings, Jesse D.
1957 Danger Cave. University of Utah Anthropological Papers, No. 27. Salt Lake City.

1978 Prehistory of Utah and the Eastern Great Basin. University of Utah Anthropological Papers, No. 98. Salt Lake City.

1980 Cowboy Cave. University of Utah Anthropological Papers, No. 104. Salt Lake City.

Jennings, Jesse D., Alan R. Schroedl and Richard N. Holmer
1980 Sudden Shelter. University of Utah Anthropological Papers, No. 103. Salt Lake City.

Lindsay, La Mar W., and Christian K. Lund
1976 Pint-Size Shelter. Antiquities Section Selected Papers, Vol. III, No. 10. Division of State History. Salt Lake City.

Madsen, David B.
1975a Three Fremont Sites in Emery County, Utah. Antiquities Section Selected Papers, Vol. I, No. 1. Salt Lake City.

1975b Dating Paiute-Shoshoni Expansion in the Great Basin. American Antiquity, Vol. 40, No. 1. Washington, D.C.

Madsen, David B., and Michael S. Berry
1975 A Reassessment of Northeastern Great Basin Prehistory. American Antiquity, Vol. 40, No. 4. Washington, D.C.

Madsen, David B., Donald R. Currey and James H. Madsen Jr.
1976 Man, Mammoth and Lake Fluctuations in Utah. Antiquities Section Selected Papers, Vol. II, No. 5. Division of State History. Salt Lake City.

Madsen, David B., and La Mar W. Lindsay
1977 Backhoe Village. Antiquities Section Selected Papers, Vol. IV, No. 12. Division of State History. Salt Lake City.

Madsen, Rex
1977 Prehistoric Ceramics of the Fremont. Museum of Northern Arizona Ceramic Series, No. 6. Flagstaff.

Marwitt, John P.
1968 Pharo Village. University of Utah Anthropological Papers, No. 91. Salt Lake City.

Sargent, Kay
1977 Emery County Summary. Antiquities Section, Division of State History. Salt Lake City.

Schroedl, Alan R.
1976 The Archaic of the Northern Colorado Plateau. Ph.D. dissertation, Department of Anthropology, University of Utah. Salt Lake City.

Schroedl, Alan R., and Patrick F. Hogan
1975 Innocents Ridge and the San Rafael Fremont. Antiquities Section Selected Papers, Vol. I, No. 2. Division of State History. Salt Lake City.

Steward, Julian H.
1938 Basin-Palteau Aboriginal Sociopolitical Groups. Smithsonian Institution Bureau of American Ethnology Bulletin 120. U.S. Government Printing Office. Washington, D.C.

Stokes, William L.
1977 Subdivisions of the Major Physiographic Provinces in Utah. Utah Geology, Vol. 4, No. 1. Utah Geological and Mineral Survey. Salt Lake City.

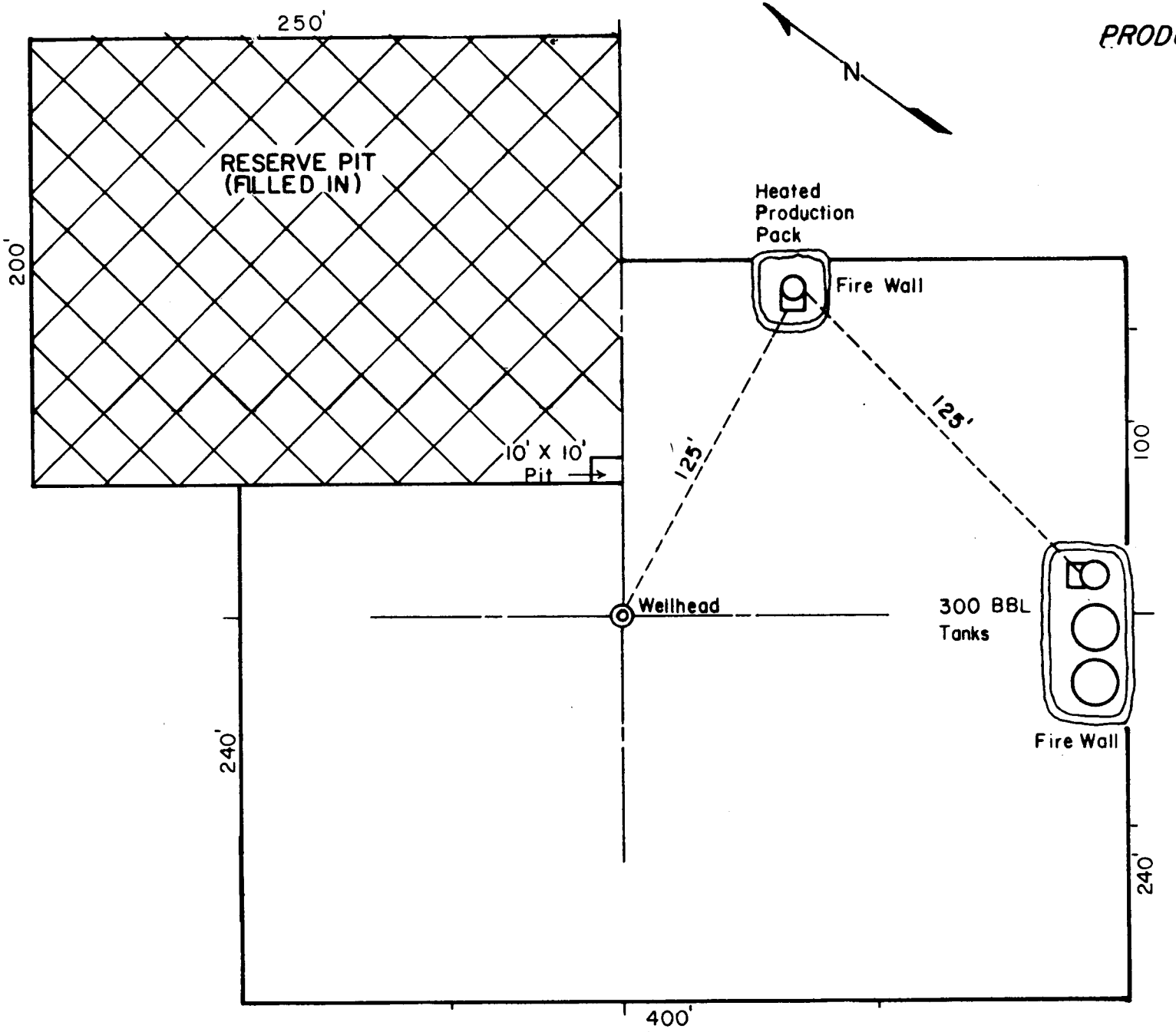
Wilson, Curtis J., and Howard L. Smith
1975 Interstate Highway I-70 Salvage Archeology. Antiquities Section Selected Papers, Vol. II No. 7. Division of State History. Salt Lake City.

SITE FORMS

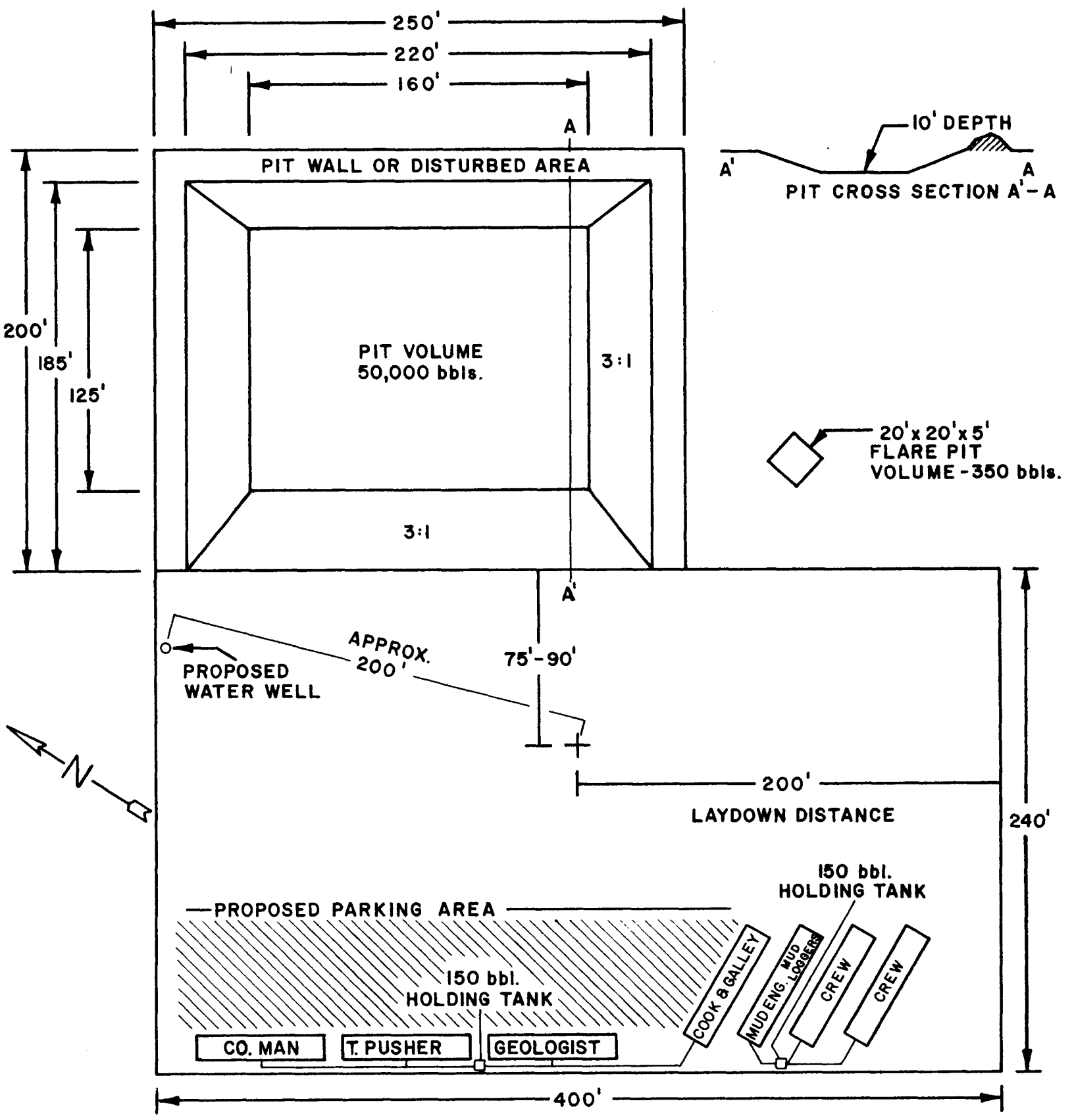
(Limited Distribution Only)

PROPOSED SCHEMATIC of PRODUCTION FACILITIES

DIAGRAM B



SOUTH MOUNT TERRILL #1-1
SEVIER CO., UTAH
SEC. 1, T 26 S, R 3 E
1409.18' FNL, 2799.55' FEL



1409.18' FNL & 2799.55' FEL
SEC. 1, T26S, R3E

PROPOSED RIG LAYOUT

SOUTH MOUNT TERRILL #1-1
SEVIER CO. UTAH

SCALE 1" = 60'

DIAGRAM 'D'

CONFIDENTIAL

OPERATOR MARATHON OIL DATE 9-24-82

WELL NAME SOUTH MOUNT TERRILL #1-1

SEC SENW 1 T 26S R 3E COUNTY SEVIER

43-041-30025	FED
API NUMBER	TYPE OF LEASE

POSTING CHECK OFF:

☐	INDEX	☐	HL	☐	
☐	NID	☐	PI	☐	
☑	MAP	☐		☐	

PROCESSING COMMENTS:
location on APD different from staking notice, due to environmental considerations, and they will ask for spacing exception — They plan to unitize — no nearby wells.

APPROVAL LETTER:

SPACING: ☐ A-3 _____ UNIT ☐ c-3-a _____ CAUSE NO. & DATE

☐ c-3-b ☒ c-3-c

SPECIAL LANGUAGE:

- [x] RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

- [x] AUTHENTICATE LEASE AND OPERATOR INFORMATION FED

- [x] VERIFY ADEQUATE AND PROPER BONDING FED

- [x] AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

- [ ] APPLY SPACING CONSIDERATION 160' FEL OF ¼ ¼ / 89' FNL OF ¼ ¼ } SHOULD MOVE 411' SOUTH AND 340' WEST TO MEET C-3-b SPACING

  - [ ] ORDER NO

  - [ ] UNIT NO

  - [ ] c-3-b

  - [ ] c-3-c

- [x] OUTSTANDING OR OVERDUE REPORTS FOR OTHER WELLS OF THE OPERATOR.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

3661 II NW
(MT. TERRILL)

111°37'30"
38°37'30"

446000m E.

447

1 970 000 FEET (SOUTH)

449

35'

450

3661
(HILGAR

4275000m N.

710 000 FEET
(SOUTH)

4274

4273

4272

4271

T. 25 S.

T. 26 S.

35'

4270

4269

4268

3661 II SW
(FISH LAKE)

Water Flat

JEEP TR

PACK TRAIL

Zedds Campground

Zedds Meadows

Zedds Mountain

UM Danish Meadows Creek

Fremont River

Splatter Drip Canyon

JEEP TR

PACK TRAIL

Splatter Canyon

Mamoths Spring

Foats Spring

F I S H

8942
9664
9256×
9200
9000
8800
9400
9600
9030
9921
9245
9967
9809
9682
10189
10122
9083
9328×
9281×
9335×
8997×
8732×
9156×
8937×
9470×
8742×
8734×
9299×
8886
8603
8729×
9540×
9549×
9018×
9043×
8903×
8640
8400
8600
9800
8200
8000
9200
9400
9600
8800
9000

FORSYTH RESERVOIR QUADRANGLE
UTAH
7.5 MINUTE SERIES (TOPOGRAPHIC)

3761 III NW
(JOHNS PEAK)

NE
MTN.)

452 32'30" 453 1 990 000 FEET (CENTRAL) 455 456 111°30'

38°37'30"

4275

4274

100 000 FEET
(CENTRAL)

4273

4272

4271

T. 25 S.
T. 26 S.

35'

4270

FREMONT JUNC. (UTAH) 10) 19 MI.

(GEYSER PEAK)
3761 III SW

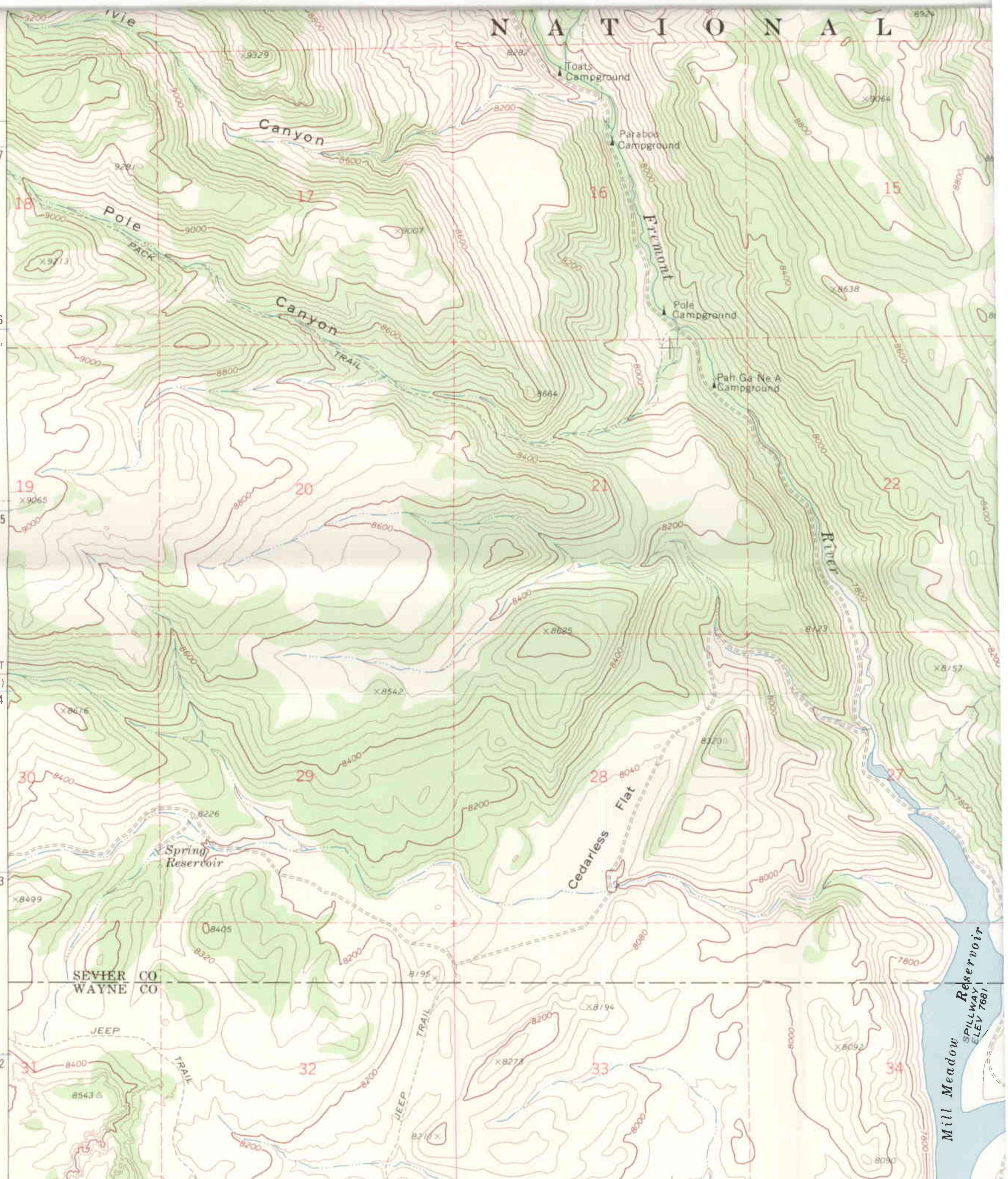
R3E R4E

TRAIL
JEEP
PACK
WEST TIDWELL
EAST TIDWELL
TIDWELL CANYON
TIDWELL SLOPES
CANYON
LAKE

Tidwell Pond
Snow Fence Pond
West Tidwell Spring
East Tidwell Spring
Forsyth 9319

Aspen Grove
Aspen Grove
Aspen Grove

19 20 23 24 25 26 29 30 31 32 35 36 1 2 5 6 7 8 11 12



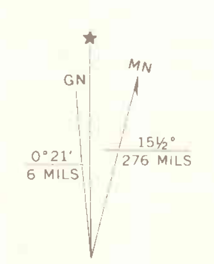
Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography by photogrammetric methods from aerial photographs taken 1966. Field checked 1968

Polyconic projection. 1927 North American datum
10,000-foot grids based on Utah coordinate system, central and south zones
1000-meter Universal Transverse Mercator grid ticks, zone 12, shown in blue

Fine red dashed lines indicate selected fence lines



UTM GRID AND 1968 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

SCALE 1:

1000 0 1000 2000 3000

CONTOUR INTER
DATUM IS MEAN

THIS MAP COMPLIES WITH NATION
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, C
A FOLDER DESCRIBING TOPOGRAPHIC MAPS A

F O R E S T

East BENCH

Creek

JEEP TRAIL

TRAIL

Deer Spring Draw

Deer Spring

Spring

Forsyth Springs

Short Creek

Forsyth Reservoir
SPILLWAY ELEV 7989

Borrow Pit

Creek

Springs

Salt Gulch

SEVIER CO
WAYNE CO

R3E R4E

4267
4266
32'30"
4265
4264
4263000m N.
670 000 FEET
(SOUTH)

1 990 000 FEET (SOUTH)

38°30'
111°30'

FREMONT 6 MI.

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D C —1972

452 453 455 456000m E

000

1 MILE

4000 5000 6000 7000 FEET

1 KILOMETER

L 40 FEET
EA LEVEL

MAP ACCURACY STANDARDS
ORADO 80225, OR WASHINGTON, D. C. 20242
SYMBOLS IS AVAILABLE ON REQUEST

UTAH

QUADRANGLE LOCATION

ROAD CLASSIFICATION

Light-duty road, all weather, improved surface

Unimproved road, fair or dry weather

State Route

(TORREY 1:62 500)
3760 IV

FORSYTH RESERVOIR, UTAH

N3830—W11130/7.5

1968

AMS 3661 II SE—SERIES V897

Casper Division
Production, U.S. & Canada

Marathon Oil Company

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

September 28, 1982

State of Utah
Natural Resources and Energy
Mr. Norman C. Stout, Adm. Asst.
4241 State Office Building
Salt Lake City, Utah 84114

Gentlemen:

Re: South Mount Terrill Well #1-1 Reference "Holding File"
1409' FNL, 2800' FEL
Sec. 1, T26S-R3E, Salt Lake Meridian
Sevier County, Utah

In accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure, please be advised that Marathon Oil Company and Pennzoil Exploration & Production Company are the lessees (50% each) of record for Federal Lease U-22162-A, which covers All of Section 1, T. 26 S., R. 3 E., Salt Lake Meridian.

In an agreement with Pennzoil, Marathon will be the operator of any well drilled on the above-described lands and will control the acreage within a 660 foot radius of the proposed well site.

The unorthodox well location is necessitated because of the terrain. The original location was some 200' further south and would have required a request for an unorthodox well location also. At the pre-drill inspection with the Fish Lake Forest Service representative, the M.M.S. representative, the BLM representative and the archeologist in attendance, it was requested to move the original location to the north, as it was in an aspen grove which also extended to the northwest. The Forest Service, BLM and the M.M.S. then agreed to the present location, as it complied with their drainage requirements and eliminated disturbing a watering place for cattle and wildlife.

Enclosed is a copy of the topographic map of the area involved showing the location of the aspen groves and watering area.

Your prompt consideration in this matter will be greatly appreciated.

Sincerely,

R. Earl Brown

R. Earl Brown
Landman

encl.

P. S. A Designation of Operator form is forthcoming.

September 29, 1982

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

RE: Well No. South Mount Terrill #1-1
SENW Sec. 1 T.26S, R.3E
Sevier County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to oil well on said unorthodox location is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

RONALD J. FIRTH - Engineer Office: 533-5771 Home: 571-6068	OR	CLEON B. FEIGHT - Director Office: 533-5771 Home: 466-4455

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (acquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-041-30025.

Sincerely,

Norman C. Stout
Administrative Assistant

NCS/as
cc: Minerals Management Service
Enclosure

Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Confidential

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.: U-22162A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1a. TYPE OF WORK: DRILL ☐ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL: OIL WELL [X] GAS WELL ☐ OTHER SINGLE ZONE ☐ MULTIPLE ZONE ☐

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: South Mount Terrill

2. NAME OF OPERATOR: Marathon Oil Company

9. WELL NO.: 1-1

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

10. FIELD AND POOL, OR WILDCAT: Wildcat

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 1,409.18' FNL & 2,799.55' FEL
At proposed prod. zone

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Section 1, T26S, R3E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 21 miles northwest of Loa, Utah

12. COUNTY OR PARISH: Sevier

13. STATE: Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)	16. NO. OF ACRES IN LEASE	17. NO. OF ACRES ASSIGNED TO THIS WELL
1,409.18'	610.32	40
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	**19. PROPOSED DEPTH**	**20. ROTARY OR CABLE TOOLS**
None	11,000'	Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 9,252.8' Ungraded Ground

22. APPROX. DATE WORK WILL START*: October 1, 1982

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
Please see Item 4 of 10-Point for complete casing and cementing record				

1. Surveyor's Plat and Rig Laydown
2. Ten-Point Drilling Program
3. H_2S Contingency Plan
4. BOP Schematic
5. Thirteen-Point Surface Plan
6. Maps and Diagrams

The person responsible for the NTL-6 is: Walt West
Government Compliance
Marathon Oil Company
OFFICE: (307) 577-1555
HOME: (307) 235-1420

RECEIVED
SEP 21 1982
OIL & GAS OPERATIONS
MINERALS MANAGEMENT SERVICE
SALT LAKE CITY, UTAH

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 Dale Caddy TITLE District Operations Manager DATE September 20, 1982

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY C. W. Martin for E. W. Guynn TITLE District Oil & Gas Supervisor DATE SEP 30 1982

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED
TO OPERATOR'S COPY

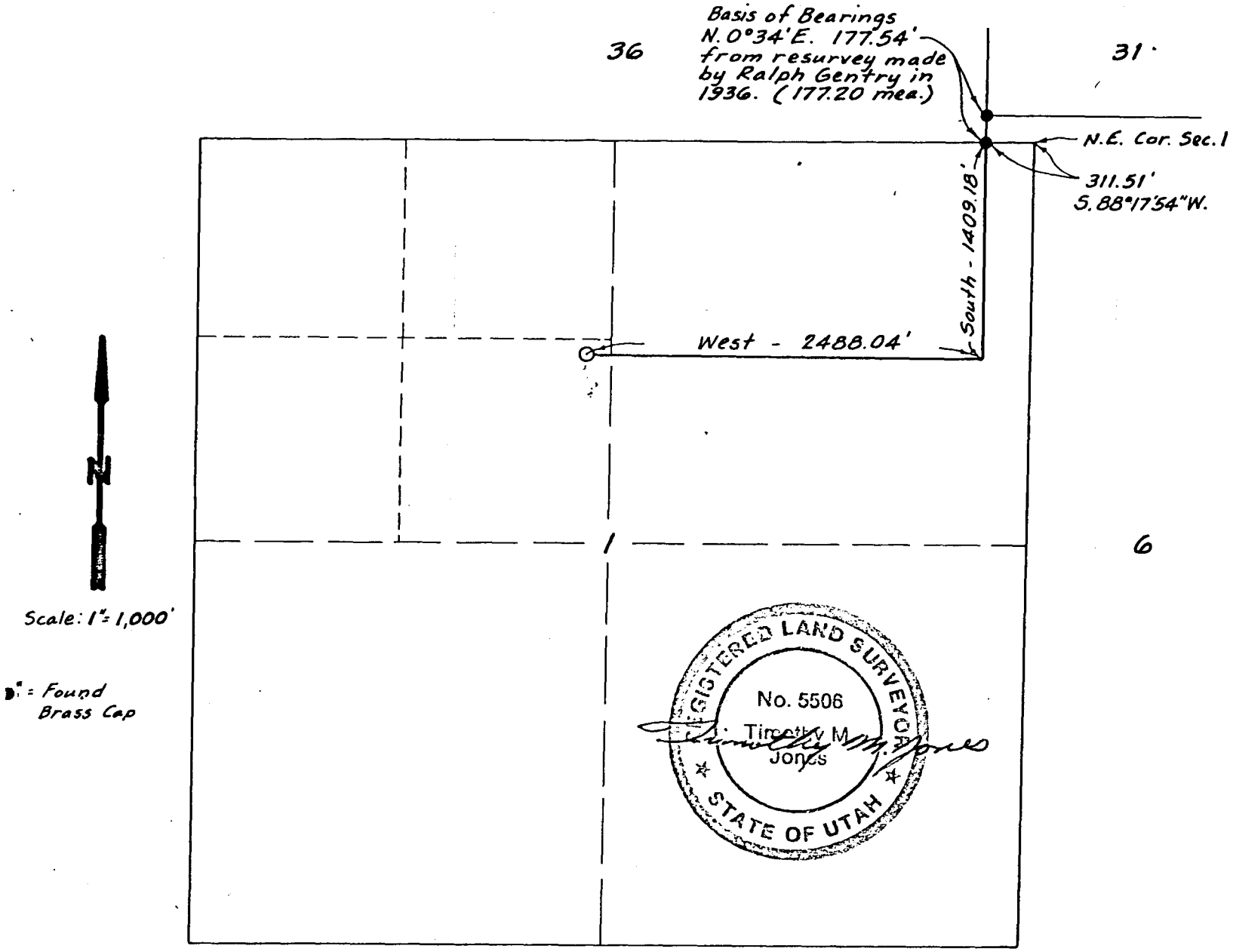
NOTICE OF APPROVAL

*See Instructions On Reverse Side

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

State O & G

Prepared by:
JONES & DeMille Engineering
180 North 100 East
P.O. Box 747
Richfield, Utah 84701



I, Timothy M. Jones of Richfield, Utah hereby certify that in accordance with a request from Walt West of Casper, Wyoming for Marathon Oil Company made a survey on the 10th day of September 1982 for location and elevation of the South Mount Terrill 1-1 As shown on the above map, the wellsite is in the SE 1/4, NW 1/4 of Section 1, Township 26.5, Range 3E of the Salt Lake Meridian, Sevier County, State of Utah Elevation is 9252.8 feet ungraded ground Datum established from spot elevation at the NE corner of Section 1, T. 26 S., R. 3 E., S.L.M. as shown on USGS 7 1/2' topographic map "Forsyth Reservoir"

Reference point 300', N 10°33'04"E, set rebar, Elevation top of rebar = 9268.9'
Reference point 300', S 79°26'56"E, set rebar, Elevation top of rebar = 9239.8'
Reference point 300', S 10°33'04" E, set rebar, Elevation top of rebar = 9251.7'
Reference point 206', N 79°26'56" E, set rebar, Elevation top of rebar = 9263.2'

Confidential

NOTICE OF SPUD

Company: MARATHON

Caller: Walt West

Phone: (H) 307-235-1420 (O) 307-577-1555.

Well Number: 1-1 South Mount Terrill

Location: SE NW 1-26S-3E

County: Sevier State: Utah

Lease Number: U-22162-A

Lease Expiration Date: _____

Unit Name (If Applicable): _____

Date & Time Spudded: Oct 17, 1982 3:45 PM

Dry Hole Spudder/Rotary: Rotary

Details of Spud (Hole, Casing, Cement, etc.) _____

Rotary Rig Name & Number: Parker #116

Approximate Date Rotary Moves In: _____

FOLLOW WITH SUNDRY NOTICE

Call Received By: CT Mortensen

Date: 10-17-82

Casper Division
Production, U.S. & Canada

file

Marathon Oil Company

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

October 22, 1982

State of Utah
Natural Resources and Energy
Mr. Norman C. Stout, Adm. Asst.
4241 State Office Building
Salt Lake City, Utah 84114

Gentlemen:

Re: South Mount Terrill Well #1-1 Reference "Holding File"
1409'FNL, 2800'FEL
Sec. 1, T26S-R3E, Salt Lake Meridian
Sevier County, Utah

As per the reference made in a letter to you dated September 22, 1982, from Mr. R. Earl Brown, please find attached an executed Designation of Operator form from Pennzoil Company that involves the referenced well.

If you have any questions or need any additional information, please do not hesitate to contact me.

Sincerely,

James H. Youngflesh
Area Land Supervisor

JHY/vw

attachment

Form 9-1123
(Rev. Dec. 1957)

(Submit in triplicate to appropriate
Regional Oil and Gas or Mining Supervisor)

DESIGNATION OF OPERATOR

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

DISTRICT LAND OFFICE: Casper, Wyoming
SERIAL NO.: U-22162-A

and hereby designates

NAME: Marathon Oil Company
ADDRESS: P.O. Box 120
Casper, WY 82602

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

Township 26 South, Range 3 East
Section 1: All
Sevier County, Utah

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

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

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

PENNZOIL COMPANY

APPROVED
LAND
GEO
LEG

By: James T. Goodwyn, Jr.
(Signature of lessee)
James T. Goodwyn, Jr.
Attorney-in-Fact

10/15/82
(Date)

(Address)
PENNZOIL COMPANY
P. O. DRAWER 1139
DENVER, COLO. 80201

U. S. GOVERNMENT PRINTING OFFICE 16—83808-3

Form 9-331
Dec. 1973

CONFIDENTIAL

Form Approved.
Budget Bureau No. 42-R1424

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☐ other Drilling
2. NAME OF OPERATOR: Marathon Oil Company
3. ADDRESS OF OPERATOR: P.O. Box 2659, Casper, WY 82602
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
   AT SURFACE: 1,409.18' FNL & 2,799.55' FEL
   AT TOP PROD. INTERVAL:
   AT TOTAL DEPTH:

5. LEASE: U-22162A
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT AGREEMENT NAME:
8. FARM OR LEASE NAME: South Mount Terrill
9. WELL NO.: 1-1
10. FIELD OR WILDCAT NAME: Wildcat
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Section 1, T26S, R3E
12. COUNTY OR PARISH: Sevier
13. STATE: Utah
14. API NO.: 43-041-30025
15. ELEVATIONS (SHOW DF, KDB, AND WD): 9,248' GL, 9,276' KB

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	☐		☐
FRACTURE TREAT	☐		☐
SHOOT OR ACIDIZE	☐		☐
REPAIR WELL	☐		☐
PULL OR ALTER CASING	☐		☐
MULTIPLE COMPLETE	☐		☐
CHANGE ZONES	☐		☐
ABANDON*	☐		☐
(other) Change in Plans			

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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

Drilled with air to 2,351' on above captioned well; hole got tight and sticky on bottom. We propose to set 13-3/8" surface casing at 2,350' instead of 2,500' as originally planned.

Verbal permission was given by A.M. Raffoul, MMS, Salt Lake City, Utah, to Walt West, MOC, Casper, October 26, 1982, at 2:15 p.m.

RECEIVED
OCT 29 1982
DIVISION OF
OIL, GAS & MINING

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED _____ TITLE District Operations Manager DATE October 26, 1982

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R142

CONFIDENTIAL

BEST COPY AVAILABLE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

5. LEASE
U-22324

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

7. UNIT AGREEMENT NAME

1. oil well ☐ gas well ☐ other Drilling

8. FARM OR LEASE NAME
South Mount Terrill

2. NAME OF OPERATOR
Marathon Oil Company

9. WELL NO.
1-1

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

10. FIELD OR WILDCAT NAME
Wildcat

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1,408.18' FNL & 2,799.66' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 1, T26S, R3E

12. COUNTY OR PARISH
Sevier

13. STATE
Utah

14. API NO.
43-041-30025

15. ELEVATIONS (SHOW DF, KDB, AND WD)
9,248' GL, 9,276' KB

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	☐		☐
FRACTURE TREAT	☐		☐
SHOOT OR ACIDIZE	☐		☐
REPAIR WELL	☐		☐
PULL OR ALTER CASING	☐		☐
MULTIPLE COMPLETE	☐		☐
CHANGE ZONES	☐		☐
ABANDON*	☐		☐
(other) Please See Below			

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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

PROGRESS REPORT

RECEIVED
NOV 01 1982
DIVISION OF
OIL, GAS & MINING

From: 10-18-82 To: 10-27-82

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Pete Kruzich TITLE Drilling Superintendent DATE 10-28-82

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

SOUTH MT. TERRILL #1-1

10-18-82 112' MADE 94' IN VOLCANICS FORMATION. FLUID AIR. FIN RU AIR. INSTALL DEDUSTER & ROTATE HEAD. PU BHA & BIT. SPUD @ 3:30 P.M., 10-17-82.

10-19-82 188' MADE 66' IN VOLCANICS FORMATION. DISCHARGE PRESS 150, NO. COMP. 4, VOL.: 4,500 CFM. BIT NO 1, 17-1/2", STC SAR972, OGJ, JETS OPEN, DEPTH IN 78', DEPTH OUT 114', 36 FEET, 15-1/2 HRS, 2.3 FT/HR, CONDITION 3/E/I. DRLD TO 114', POH F/SS & BIT #2. DRLD TO 188'.

10-20-82 311' MADE 123' IN VOLCANICS FORMATION. FLUID AIR MIST, DISCHARGE PRESS 300, NO. COMP. 5, VOL: 4,500. DRLD TO 207', TIGHT HOLE, WORK PIPE FREE & SWITCH TO AIR MIST. SURVEY & DRLL AHEAD PLUG BIT ON CONNECTION. POH, CLEAN BIT. RIH & DRLG AHEAD, NO PROBLEMS.

10-21-82 396' MADE 85' IN VOLCANICS FORMATION. FLUID: AIR/MIST. DISCHARGE PRESS 300, NO. COMP. 5, VOL: 4,500 CFM, AV 4000/2933. DRLD & SURV TO 310'. BACK OFF WT, DRLG. LOST 42,000# STRING WT. POH, TWISTED OFF IN MANDREL OF JOHNSTON JARS. TOP OF FISH @ 177'. NO TRI-STATE FISHING TOOLS.

10-22-82 496' MADE 100' IN VOLCANICS FORMATION. MIST, DISCHARGE PRESS 320, NO. COMP. 5, VOL 4,000, AV 3555/2604. PU FISH TOOLS. CATCH FISH & POH. LD JARS & FISH TOOLS. RIH, DRLG AHEAD W/NO PROS.

10-23-82 1,029' MADE 533' IN FLAGSTAFF FORMATION. FLUID AIR/MIST. BIT NO 2, 17-1/2", STC SAW153, 3JS, JETS OPEN, DEPTH IN 114', DEPTH OUT 777', 663 FEET, 53-1/4 HRS, 12.4 FT/HR, CONDITION 5/E/I. DRL & SURVEY, TORQUE INC. POH. PU NEW BIT. RIH, DRILL & SURV/NO PROBLEM.

10-24-82 1,725' MADE 696' IN MANCOS FORMATION. FLUID AIR/MIST. DRLG AHEAD W/NO PROBLEMS.

10-25-82 2,194' MADE 469' IN MORRISON FORMATION. FLUID AIR/MIST. DRILL & SURVEY, HOLE TAKES TIME TO UNLOAD. CIRC SAMPLES & DRILL AHEAD. AT 2,194' SURVEY TOOL CAME APART IN HOLE, POH TO RETRIEVE. TRIP IS TIGHT, WORKING PIPE.

10-26-82 2,225' MADE 31' IN MORRISON FORMATION. FLUID AIR/MIST. CONT. POH, TIGHT 1,325'-1,200'. STRIPPED ROTATING HEAD W/STABILIZER. ND & WAIT ON NEW ROTATING HEAD. RIH, WASH & REAM 1,582' TO BTM. FREED UP APPROX 1,900', 8' FILL ON BTM. DRLG AHEAD W/NO PROBLEMS.

10-27-82 2,351' MADE 126' IN MORRISON FORMATION. FLUID AIR/MIST. DRLD TO 2,351', TIGHT ON BTM. CIRC SHORT TRIP, TIGHT @ 1,600'. RETURN TO BTM, WASH & REAM 120' TO BTM. CIRC BTMS UP, PULL OFF BTM, SHUT DOWN AIR & HOLE FELL IN. BIT @ 2,325'. PIPE STUCK.

Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☐ other Drilling
2. NAME OF OPERATOR: Marathon Oil Company
3. ADDRESS OF OPERATOR: P.O. Box 2659, Casper, WY 82602
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
   AT SURFACE: 1,408.18' FNL & 2,799.55' FEL
   AT TOP PROD. INTERVAL:
   AT TOTAL DEPTH:

5. LEASE: U-22162A
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT AGREEMENT NAME:
8. FARM OR LEASE NAME: South Mount Terrill
9. WELL NO.: 1-1
10. FIELD OR WILDCAT NAME: Wildcat
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Section 1, T26S, R3E
12. COUNTY OR PARISH: Sevier
13. STATE: Utah
14. API NO.: 43-041-30025
15. ELEVATIONS (SHOW DF, KDB, AND WD): 9,248' GL, 9,276' KB

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	☐	☐
FRACTURE TREAT	☐	☐
SHOOT OR ACIDIZE	☐	☐
REPAIR WELL	☐	☐
PULL OR ALTER CASING	☐	☐
MULTIPLE COMPLETE	☐	☐
CHANGE ZONES	☐	☐
ABANDON*	☐	☐
(other) Please See Below		

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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

PROGRESS REPORT

From: 10-24-82 To: 11-1-82

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED M E Knight TITLE Drilling Superintendent DATE 11-17-82

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

SOUTH MT. TERRILL #1-1

10-24-82 1,725' MADE 696' IN MANCOS FORMATION. FLUID AIR/MIST, DISCHARGE PRESS 360. DEV DEPTH 1,093' INC 1/2°, 1,219' INC 1/2°, 1,345' INC 1/2°, 1,470' INC 1/2°, 1,595' INC 1°. DRILL & SURVEY. DRLG AHEAD W/NO PROBLEMS. LITH: SHALE MD GRAY. BGG: 4 UNITS.

10-25-82 2,194' MADE 469' IN MORRISON FORMATION. FLUID AIR/MIST, DISCHARGE PRESS 360. DEV DEPTH 1,752' INC 1/4°, 1,972' INC 1/2°, 2,194' INC 1/2°. REMARKS: DRILL & SURVEY. TRIP IS TIGHT, WORKING PIPE. LITH: 65% SHALE, LIGHT TO DRK GRAY; 35% SS, MED GRAY. BGG: 2-3 UNITS.

10-26-82 2,225' MADE 31' IN MORRISON FORMATION. FLUID AIR/MIST, DISCHARGE PRESS 360. REMARKS: CONT. POH, TIGHT 1,826'-1,200'. STRIPPED ROTATING HEAD W/STABILIZER. ND & WAIT ON NEW ROTATING HEAD. RIH, WASH & REAM 1,582' TO BTM. DRLG AHEAD W/NO PROBLEMS. LITH: 100% SHALE, LT TO DARK GRAY.

10-27-82 2,351' MADE 126' IN MORRISON FORMATION. FLUID AIR/MIST. DRLD TO 2,351', TIGHT ON BTM. CIRC SHORT TRIP, TIGHT @ 1,600'. RETURN TO BTM, WASH & REAM 120' TO BTM. CIRC BTMS UP, PULL OFF BTM, SHUT DOWN AIR & HOLE FELL.

10-28-82 2,351' MADE 0' IN MORRISON FORMATION. CONTINUED WORK STUCK PIPE. WO DIALOG. RAN FREE PT, PIPE FREE TO 2,294'. RUN STRING SHOT & SHOOT BELOW STAB @ 2,249', NO LUCK. SHOOT STRING SHOT @ 2,249' NO BACKOFF. RAN FREE PT, PIPE FREE TO BELOW CONNECTION @ 2,249'. FIRE STRING SHOT @ 2,249', PIPE WILL NOT BACK OFF. RU KELLY HOSE & PUMP 5 BBLS KCL TO LOAD DP.

10-29-82 2,351' MADE 0' IN MORRISON FORMATION. BUILD STRING SHOT. RIH & ATTEMPT BACKOFF @ 2,249' AT BTM OF IBS. PIPE CAME FREE, WORK PIPE OUT OF HOLE W/180,000-200,000# PULL. AT 1:30 A.M. PIPE STUCK. IF COMPLETE BHA, BIT IS @ 1,700'. RU & ATTEMPT TO CIRC STIFF FOAM W/1,000 PSI CAN SOMETIMES GET 1/2" STIFF FOAM RETURNS. JARS WILL NOT WORK. CONTINUE TO WORK STUCK PIPE.

10-30-82 2,351' MADE 0' IN MORRISON FORMATION. FLUID: STIFF FOAM. RAN FREE PT, PIPE STUCK @ 1,340'. FREE @ 1,310'. PU SURF JARS. JAR DOWN ON PIPE F/3 HRS. MOVED DOWN 18". LD SURF JARS. RAN FREE PT SUCK @ 1,340'. PARTIALLY STUCK @ 1,320'. FREE @ 1,310'. RU SS & ATTEMPT BACKOFF @ 1,274', WO SUCCESS. ATTEMPT 2ND BACKOFF W/SS, NO SUCCESS. APPLIED 1/2 RD TORQUE MORE & GOT MANUAL BACKOFF. HOOK LOAD 50,000#. CALC BACKOFF 1,282'. PRESENTLY CIRC STIFF FOAM.

10-31-82 2,351' MADE 0' IN MORRISON FORMATION. FLUID: STIFF FOAM. CIRC HOLE W/STIFF FOAM F/5-1/2 HRS. POH W/FISH. REC 13 STDS & 1 SINGLE OF DP. SLM TOP OF FISH @ 1,272'. PU BHA & RIH. PU G DP. REAM 1,218'-1,272' W/5,000#. TAG FISH @ 1,272'. CIRC 3 HRS. MADE 5 STD WIPER TRIP. CIRC HOLE W/FOAM. PREPARE TO POH TO PU WASH PIPE.

11-1-82 2,351' MADE 0' IN MORRISON FORMATION. FLUID: STIFF FOAM. CIRC STIFF FOAM F/2 HRS. POH, LD JARS. PU ROT SHOE & WASH PIPE. RIH, WASH & REAM TITE HOLE 1,229'-1,272' TO TOP OF FISH. CIRC HOLE W/STIFF FOAM 6 HRS TO CLEAN UP HEAVING SHALE. WASHOVER FISH 1,272'-1,317'. PRESENTLY 45' WASHED OVER FISH.

This well location has been Rig-skidded on 11-22-83, a new file and card index have been made-up on the Rig-Skidded well. This well file is an Old Reference file for before the well was skidded.

The New file is the South Mount Terrell # 1A-1 refer to it for skid information

I ALKED TO JERRY AND AL SED OF SPACING PROBLEM. HE SAID THEY WOULD EITHER REQUEST AN EXCEPTION, OR CHANGE LOCATION WITH THE UNDERSTANDING A LOCATION CHANGE WITHIN [illegible] IS PREFERED. WE SHOULD EXPECT THE RESPONSE SOON, AND IT SHOULD BE EXPEDITED.

TAM
7-27-84

WALT CALLED TO SAY THEY WOULD REQUEST EXCEPTION

8:30
7-27-84

Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well [X] gas well [ ] other

2. NAME OF OPERATOR
Marathon Oil Company

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1,409.18' FNL & 2,799.55' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
U-22162A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
South Mount Terrill

9. WELL NO.
1-1

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 1, T26S, R3E

12. COUNTY OR PARISH
Sevier

13. STATE
Utah

14. API NO.
43-041-30025

15. ELEVATIONS (SHOW DF, KDB, AND WD)
9,248' GL, 9,276' KB

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	[ ]	[ ]
FRACTURE TREAT	[ ]	[ ]
SHOOT OR ACIDIZE	[ ]	[ ]
REPAIR WELL	[ ]	[ ]
PULL OR ALTER CASING	[ ]	[ ]
MULTIPLE COMPLETE	[ ]	[ ]
CHANGE ZONES	[ ]	[ ]
ABANDON*	[X]	[ ]
(other)		

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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

The following is the abandonment procedure for South Mount Terrill #1-1.

The top of the fish is broken drill pipe tube @ 1313'. The fish extends from 1313' to 1544' & from approx. 2249' to 2326'. The fish is in a 17½" hole which has a TD of 2351'. Thirty inch casing is set to 78' KB or 50' GL.

A plug consisting of 600 sx of lite cement w/2% $CaCl_2$ was laid from 1324'-1074' & a 2nd plug of 260 sx of lite cement w/2% $CaCl_2$ was laid from 700' to 493'. The hole was then blown dry with air from 493' to surface.

After the rig is skidded the hole will be backfilled from 493' to 88' KB & 5 yds Redi Mix cmt will be set across the 30" conductor shoe from 88' to 68' KB. The hole will then be backfilled to surface.

This plugging procedure of the existing well was verbally approved by Bill Martens, MMS, Salt Lake City, in a conversation with Phil Snider on 11-12-82.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Dale T Cassby by J E Conrad TITLE District Operations Manager DATE November 22, 1982

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 11/17/82
BY: [signature]

Form 9-330
(Rev. 5-63)

4

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: U-22162A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] Other

b. TYPE OF COMPLETION: NEW WELL [ ] WORK OVER [ ] DEEP-EN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] Other Abandoned

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: South Mount Terrill

2. NAME OF OPERATOR: Marathon Oil Company

9. WELL NO.: 1-1

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

10. FIELD AND POOL, OR WILDCAT: Wildcat

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface: 1,409.18' FNL & 2,799.55' FEL
At top prod. interval reported below
At total depth

SE NW

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Section 1, T26S, R3E

RECEIVED
NOV 26 1982
DIVISION OF OIL, GAS & MINING

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
43-041-30025	9-29-82	Sevier	Utah

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
10-17-82	11-17-82	--	9,248' GL, 9,276' KB	--

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
2,351'	--	--	→	0'-2,351'	--

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

25. WAS DIRECTIONAL SURVEY MADE: --

26. TYPE ELECTRIC AND OTHER LOGS RUN: --

27. WAS WELL CORED: --

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
		SEE ATTACHED SUNDRY			

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (*Interval, size and number*)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
		P&A

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO

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

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*)

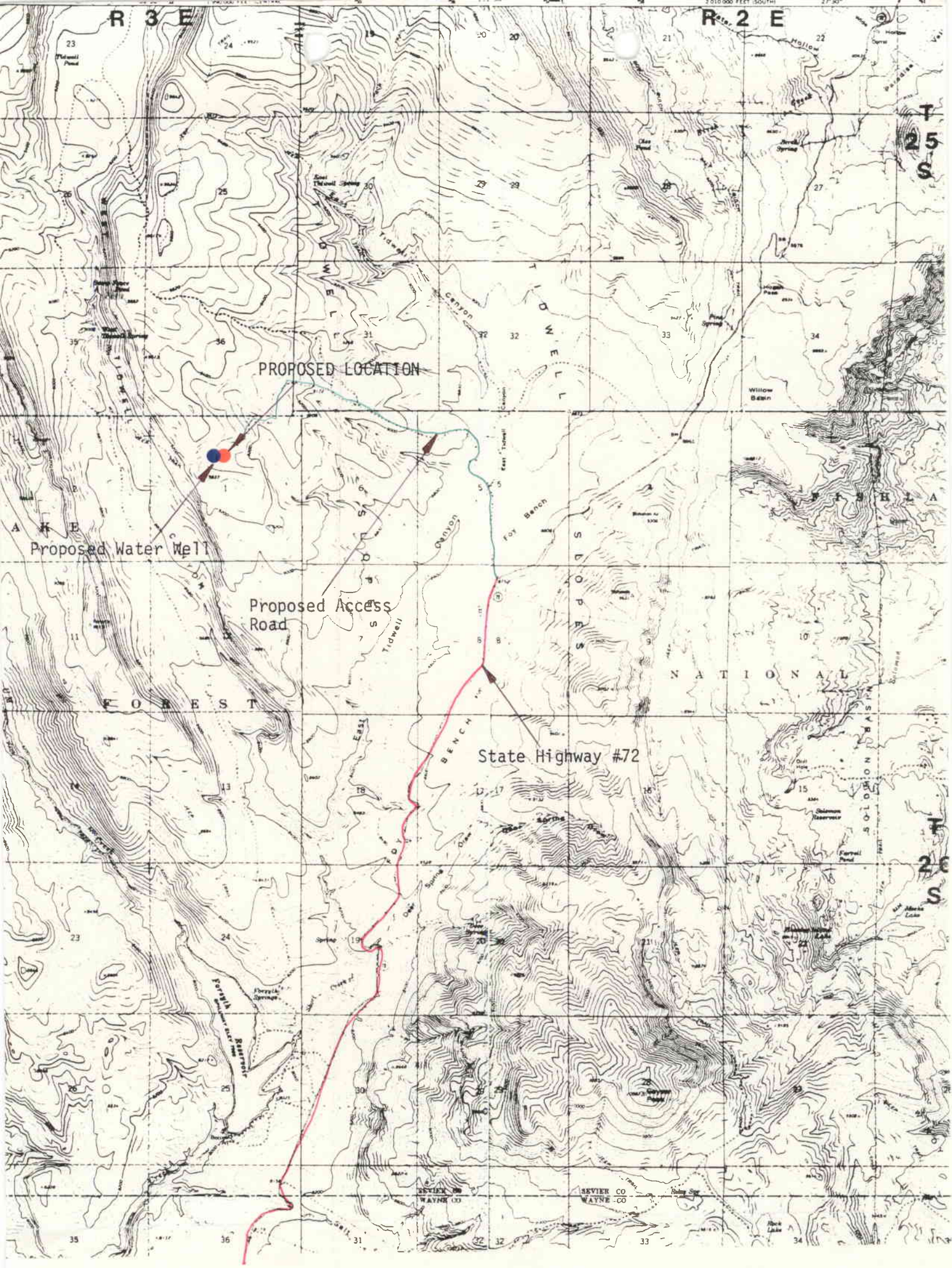
TEST WITNESSED BY

35. LIST OF ATTACHMENTS
Please see attached Sundry Notice for details of abandonment.

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

SIGNED Dale T. Caddy by [illegible] TITLE District Operations Manager DATE November 22, 1982

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



SOUTH MOUNT TERRILL #1-1
1,409.18' FNL & 2,799.55' FEL
Section 1, T26S, R3E
Sevier County, Utah

Diagram "A"

Form 9–331
Dec. 1973

CONFIDENTIAL

Form Approved.
Budget Bureau No. 42–R1424

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9–331–C for such proposals.)

1. oil well ☐ gas well ☐ other Drilling
2. NAME OF OPERATOR: Marathon Oil Company
3. ADDRESS OF OPERATOR: P.O. Box 2659, Casper, WY 82602
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
   AT SURFACE: 1,408.18' FNL & 2,799.55' FEL
   AT TOP PROD. INTERVAL:
   AT TOTAL DEPTH:
5. LEASE: U-22162A
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT AGREEMENT NAME:
8. FARM OR LEASE NAME: South Mount Terrill
9. WELL NO.: 1-1
10. FIELD OR WILDCAT NAME: Wildcat
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Section 1, T26S, R3E
12. COUNTY OR PARISH: Sevier
13. STATE: Utah
14. API NO.: 43-041-30025
15. ELEVATIONS (SHOW DF, KDB, AND WD): 9,248' GL, 9,276' KB
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	☐	☐
FRACTURE TREAT	☐	☐
SHOOT OR ACIDIZE	☐	☐
REPAIR WELL	☐	☐
PULL OR ALTER CASING	☐	☐
MULTIPLE COMPLETE	☐	☐
CHANGE ZONES	☐	☐
ABANDON*	☐	☐
(other) Please See Below		

(NOTE: Report results of multiple completion or zone change on Form 9–330.)

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

PROGRESS REPORT

From: 11-2-82 To: 11-22-82

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED [signature] TITLE Drilling Superintendent DATE 12-7-82

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

SOUTH MT. TERRILL #1-1

11-2-82 2,351' MADE 0' IN MORRISON FORMATION. FLUID STIFF FOAM. WASHED OVER FISH TO 1,335'. POH W/WP INSIDE SCARRED INDICATING FISH HAD BEEN SWALLOWED. PU 3 MORE JTS OF WP, SCREW IN SUB, J-JT, & INTERVAL SPEAR & RIH. PIPE TOOK 10,000# WT @ 1,260'. WASH & REAM TO 1,342' W/NO INDICATION OF SWALLOWING FISH. TOP OF FISH EXPECTED TO BE @ 1,272'. CIRC STIFF FOAM. PREP TO POH.

11-3-82 2,351' MADE 0' IN MORRISON FORMATION. FLUID STIFF FOAM. POH W/WASHPIPE. RIH W/17-1/2" BIT. REAM 1,272'-1,374', TAG TOP OF FISH @ 1,374'. POH, HAD 10,000# DRAG THRU 1,280'-1,272'. PU CUT LIP GUIDE & SCREW IN SUB & RIH. TOOK WT @ 1,272'.

11-4-82 2,351' MADE 0' IN MORRISON FORMATION. FLUID STIFF FOAM. COULD NOT WORK CUT LIP GUIDE BELOW 1,272'. POH, LD FISH TOOLS & WASHPIPE F/DERRICK. RIH W/17-1/2" BIT. TOOK WT @ 1,260'. REAM 1,260'-1,375'. TAG TOP OF FISH @ 1,375'. SHORT TRIP OUT 11 STDS FREE. RIH, TOOK WT @ 1,284'. PLUGGED BIT. POH, UNPLUG BIT, 2 TEETH CHIPPED ON INNERMOST ROW #1 CONE. RIH W/BIT. TOOK WT @ 1,272'.

11-5-82 2,351' MADE 0' IN MORRISON FORMATION. FLUID STIFF FOAM. REAM 1,261'-1,360'. BIT PLUG ON CONN. POH, UNPLUG BIT. PU FLT SUB & RIH. REAM 1,272-1,375'. DID NOT TAF TOP OF FISH. FISH HAS MOVED DOWNHOLE. REAM 1,375'-1,437'. SHORT TRIP 11 STDS. HOLE TITE 1,437'-1,393' & 1,353' & 1,272'. RIH TOOK WT @ 1,272'. REAM 1,272'-1,469' WITHOUT HITTING TOP OF FISH. HAD TO BACK REAM KELLY OUT ON CONN @ 1,437' & 1,469'.

11-6-82 2,351' MADE 0' IN MORRISON FORMATION. FLUID STIFF FOAM. 1 SHANK SCARRED 1/2" WIDE UP & DOWN, 2 JET NOZZLES WORN W/CONCAVE INDENTATIONS. REAM 1,469'-1,479'. POH, BIT SCARRED AS THOUGH POSSIBLY BESIDE FISH. BENT 1 JT DP & MADE UP WALL HOOK ASSY W/6-3/8" GRAPPLE IN OVERSHOT. RIH TO 1,260'. WORK HOOK TO 1,416' W/NO INDICATIONS OF FISH. POH, LD FISH TOOLS. BUILD MUD SYSTEM.

11-7-82 2,351' MADE 0' IN MORRISON FORMATION. MW 8.8, VIS 47. BUILD MUD VOL & PUMP 1,300 BBLS MUD W/10% LCM CEDAR FIBER & MICA. PUMP 320 BBLS W/50% SAWDUST. MUD LEVEL @ 115'.

11-8-82 2,351' MADE 0' IN MORRISON FORMATION. MW 9.0, VIS 48.
FIN BUILD MUD VOL. GOT CIRC AFTER PUMP 2,700 BLLS TOTAL. RIH W/17-1/2" BIT. TOOK WT @ 1,270'. REAM 1,270-1,303' W/TORQUE @ 1,270 & 1,301'. BIT BALLED UP. POH, CLEANED BIT & RIH. SET 20,000# WT @ 1,270' REPEATEDLY. PIPE WILL TURN 1/4 TURN TO LEFT & FALL THRU. REAM 1,276'-1,303'. TORQUE @ 1,301'.

SOUTH MT. TERRILL #1-1

11-9-82 2,351' MADE 0' IN MORRISON FORMATION. MW 9.0, VIS 45. POH, RUN SCHL RAN DIL LOG. TOP OF FISH @ 1,274' WL. RD SCHL. PU 16" OS GUIDE W/6-3/8" GRAPPLE. RIH, SET DOWN ON FISH @ 1,274', COULD NOT WORK OVER FISH. CIRC & COND HOLE. POH, PU 2° BEN SUB. RIH, TAG FISH @ 1,274'. WORK OS OVER FISH. PULLED 200,000# & JAR ON FISH. PRESENTLY WORKING FISH. CAN CIRC W/150 PSI @ 72 SPM. PACKOFF IN OVERSHOT APPEARS TO BE CUT.

11-10-82 2,351' MADE 0' IN MORRISON FORMATION. MW 9.0, VIS 44. JAR ON FISH. GRAPPLE RELEASED. LATCHED ONTO FISH AGAIN. RU DIALOG & RAN WL CORE BBL. HIT FILL @ 1,234'. CO FILL TO 1,356'. WL TITE & STICKY INSIDE DP @ 1,340'. RD DIALOG.

11-11-82 2,351' MADE 0' IN MORRISON FORMATION. MW 8.9, VIS 42. CIRC THRU OS. LOST RETURNS. LOSING MUD @ 100 BBL/HR. MIX VOL & LCM THRU OUT SYSTEM. CIRC & GOT 50% RETURNS. LET SET 1/2 HR. FLUID FELL 1-1/2' IN ANNULUS. CIRC W/80% RETURNS. POH F/NEW GRAPPLE. ESTIMATE THAT MUD IS BEING LOST APPROXIMATELY 800'-1,000'.

11-12-82 2,351' MADE 0' IN MORRISON FORMATION. MW 9.0, VIS 40. POH & PU NEW GRAPPLE. RIH W/DC'S. LATCH ONTO FISH @ 1,272' & JAR. OS EASILY PULLS OFF OF FISH. RAN DIALOG WL CORE BBL INSIDE DP TO 1,339'. PU SS & BACKOFF @ 1,304'. POH, REC 1 JT BADLY BENT & DAMAGED DP. RIH W/SKIRTED SCREW IN SUB. CAN NOT FIND TOP OF FISH TO SCREW IN. WASH TO 1,312' W/NO TORQUE. HOLE TITE, 20,000# DRAG TO GET ABOVE 1,272'. POH.

11-13-82 2,351' LD SKIRTED SCREW IN SUB. PU BHA & 17-1/2" BIT & RIH. CIRC, REAM TITE HOLE 1,238'-1,303'. TAG TOF @ 1,304'. POH. PU 2° BENT SUB & OS. RIH COULD SIT ON FISH BUT WOULD FALL OFF WHEN ROTATE. POH, LD BENT SUB. RIH W/OS W/NO BENT SUB. COULD SIT ON FISH BUT FALL OFF WHEN ROTATE. POH, PU 1-1/2° BENT SUB & RIH W/OS, SAME RESULTS.

11-14-82 2,351' MADE 0' IN MORRISON FORMATION. MW 9.0, VIS 53. POH W/OS & 1-1/2° BENT SUB. LD FISH ASSY & PU DRLG ASSY. RIH, REAM TO 1,304' & HIT TOP OF FISH. 1/2 TURN & BIT FALLS PAST FISH. REAM 1,304'-1,347'. BIT BALLED UP & POH. CHANGED BIT & RIH. TAG FISH @ 1,304' & FELL PAST W/1/2 TURN. REAMED TO 1,356'.

11-15-82 2,351' MADE 0' IN MORRISON FORMATION. MW 8.8, VIS 46. REAM BESIDE FISH TO 1,367'. POH. PU FISH ASSY. RIH & WORK WALL HOOK, NO LUCK. POH, MOVE 2° BENT SUB UP BETWEEN B. SUB & OIL JARS. RIH 7 CATCH FISH. RUN DIALOG CCL TO 1,310' & VERIFIED CATCHING FISH. RUN CUD COIL TBG INSIDE FISH. HALLIB PUMP MUD & CO INSIDE FISH W/COIL TBG TO 1,562'. POH COIL TBG, RD CUD & HALLIB.

SOUTH MT. TERRILL #1-1

11-16-82 2,351' MADE 0' IN MORRISON FORMATION. MW 8.9, VIS 36. RU DIALOG, RUN CCL & FREE PT. FISH FREE TO JARS, PARTIALLY STUCK ON JARS & 1ST DC BELOW JARS. WORK LEFT HAND TORQUE FOR PLANNED BACKOFF @ 1,399'. PIPE BROKE W/1 RD TORQUE ON BTM. POH RET 2.75' OF TOOL JT & DP TUBE. MAKE UP OS W/EXT & RIH. CATCH TOP OF FISH @ 1,308'. RUN DIALOG FREE PT & STOP @ TOP OF FISH @ 1,308'. BUMP DOWN ON FISH & FISH PARTED. POH, RET 5' OF DP TUBE. RIH W/OS. ATTEMPT TO WORK OVER TOP OF FISH @ 1,313'.

11-17-82 2,351' MADE 0' IN MORRISON FORMATION. MW 8.9, VIS 38. ATTEMPT TO WORK OVER FISH. POH, MOVE BENT SUB TO ABOVE OIL JARS. RIH, WORK WALL HOOK 1,313'-1,333', TAG NOTHING. POH, LD FISH TOOLS. RD DIALOG. CLEAN PIPE RACKS. LD DC'S & DP. RIH W/OEDP TO 1,324'. RU HALLIBURTON TO LAY CMT PLUG.

11-18-82 2,351' CIRC & RU HALLIB. CEMENTED F/1,324'-1,074' W/600 SX HOWCO LITE W/2% CACL2. POH TO 700'. CEMENTED F/700-493 W/260 SX HOWCO LITE W/2% CACL2. BLOW HOLE DRY F/493 - SURFACE W/AIR. ND BOPE.

11-19-82 2,351' MORRISON FORMATION. RD RIG TO SKID. DIG NEW CELLAR & INSTALL DRAIN. DIG PIT DEEPER.

11-20-82 SKID RIG 40' N. & RU. SET OUT MOTORS, PUMPS & MATTING BOARDS. FILLED OLD HOLE TO 70' W/DIRT. WILL DUMP REDI-MIX IN OLD HOLE TODAY.

11-21-82 SET MOTORS & PUMPS & CONT. TO RIG UP.

11-22-82 SET MUD PITS. WORK ON LOCATION.