

RECORDED
MAR 18 1988

DIVISION OF
OIL, GAS & MINING

ARCHEOLOGICAL SURVEY OF
MERIDIAN OIL, INC.'S
OLLIE FEDERAL 22-11,
SAN JUAN COUNTY, UTAH

LAC REPORT 8822

by
Patrick L. Harden

LA PLATA ARCHEOLOGICAL CONSULTANTS, INC.
P.O. BOX 783
DOLORES, COLORADO 81323
(303) 882-4933

BIA USE AUTHORIZATION NO.
LPAC-022-004
BIA PROJECT NO.
LPAC-88-066
UTAH STATE PERMIT
U88-LA-049i

Prepared For:

Meridian Oil, Inc.
5613 DTC Parkway
Englewood, Colorado 80111

ABSTRACT

The archeological survey of Meridian Oil, Inc.'s Ollie Federal 22-11 well pad and access road was conducted by personnel of La Plata Archeological Consultants, Inc. on March 6, 1988. The project is located in San Juan County, Utah on the Navajo Reservation and Utah State lands. An area 660 X 660' surrounding the well center stake and a 100' wide corridor along the access route were inventoried for cultural resources. Three archeological sites were found in the area surveyed: two around the well pad and one along the access route. All of the sites are outside of the area to be disturbed by the project. Blue flagging denotes where ground disturbing activities are prohibited on the sites. Provided that all three sites are strictly avoided archeological clearance for the project is recommended.

INTRODUCTION

On March 6, 1988 the archeological survey of Meridian Oil, Inc.'s Ollie Federal 22-11 well pad and ca. 12,500 feet of access road was conducted by Patrick Harden of La Plata Archeological Consultants, Inc. The survey was requested by Ms. Susanne Nelson of Meridian. The well and 9000 feet of the access road are located on the Navajo Reservation, and 3500 feet of the access road is on State lands in San Juan County, Utah.

The original survey of the location was performed on March 5 in conjunction with the staking of the well. The well had to be moved on March 6th in order to avoid a prehistoric archeological site (42SA17074). The new location and the access road were archeologically surveyed on March 1st. The well is located in the NW 1/4 of section 11, T39S, R24E. The access road is located in the N 1/2 of section 11, the E 1/2 of section 2, and the extreme NW 1/4 of section 1, T39S, R24E; and the S 1/2 of section 36, T38S, R24E. Only section 36 is State land. UTM's for the well center stake are 4141850N and 654750E. UTM's for the northeast end of the access road are 4144920N and 656460E, and the southwest end are 4141850N and 654800E. UTM's for the northeastern-most

portion of the access road on the Navajo Reservation are 4144100N and 655740E. The area is included on the Hatch Trading Post, Utah 7.5' series; and the Montezuma Creek, Utah 15' series topographic quadrangles. The access road will join the improved East Alkali road to the northeast of the well pad.

PHYSIOGRAPHY AND ENVIRONMENT

The proposed well is located on a small mesita along the east edge of southern Alkali Ridge (Point). The terrain on the well pad is gently sloping. The access road traverses the top of the mesita and its northeast slopes, and then follows generally gently undulating terrain.

Sediments consist of aeolian sandy loam over most of the area. Sandstone bedrock is exposed in a few places, and sand to cobble sized colluvium is present on ridge slopes.

Vegetation on the well pad consists of juniper, saltbush, horsebrush, snakeweed, and cheat grass. The access road vegetation consists primarily of sagebrush, cheat grass, and juniper.

SURVEY PROCEDURES

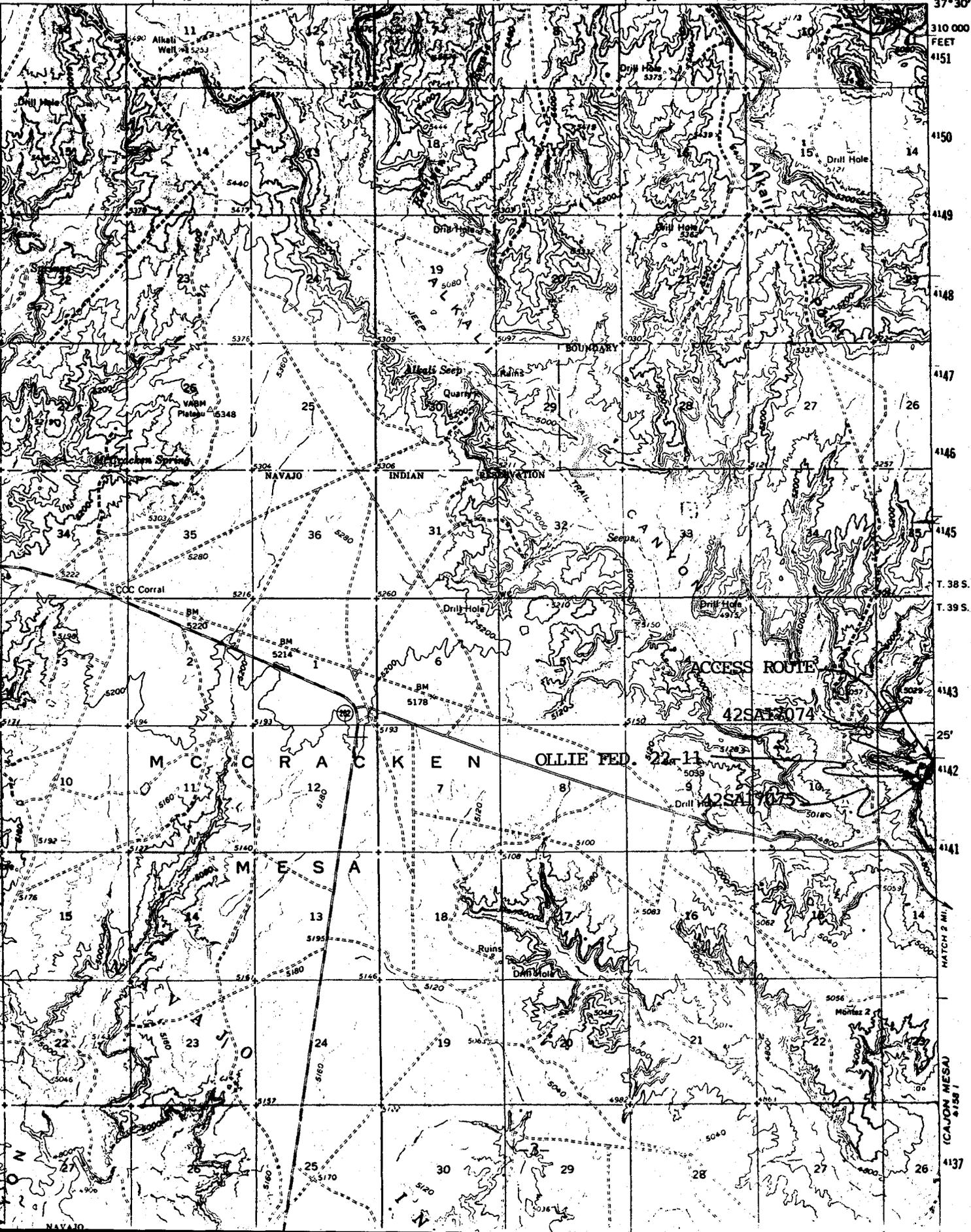
Prior to the field investigations a file search was requested through the Division of State History. The search indicated that sites 42SA17074 and 42SA17075 were located in the well pad vicinity. Both of these sites were found during the survey.

On-the-ground survey consisted of walking a series of transects spaced 15 meters apart across an area 660 X 660 feet (ten acres) surrounding the well center stake, and two parallel sinuous transects along the access route. The access route was flagged by the field archeologist. Blue flagging was placed around the perimeters of sites 42SA17074, 42SA17075, and 42SA19920 to indicate where all ground disturbing activities are prohibited.

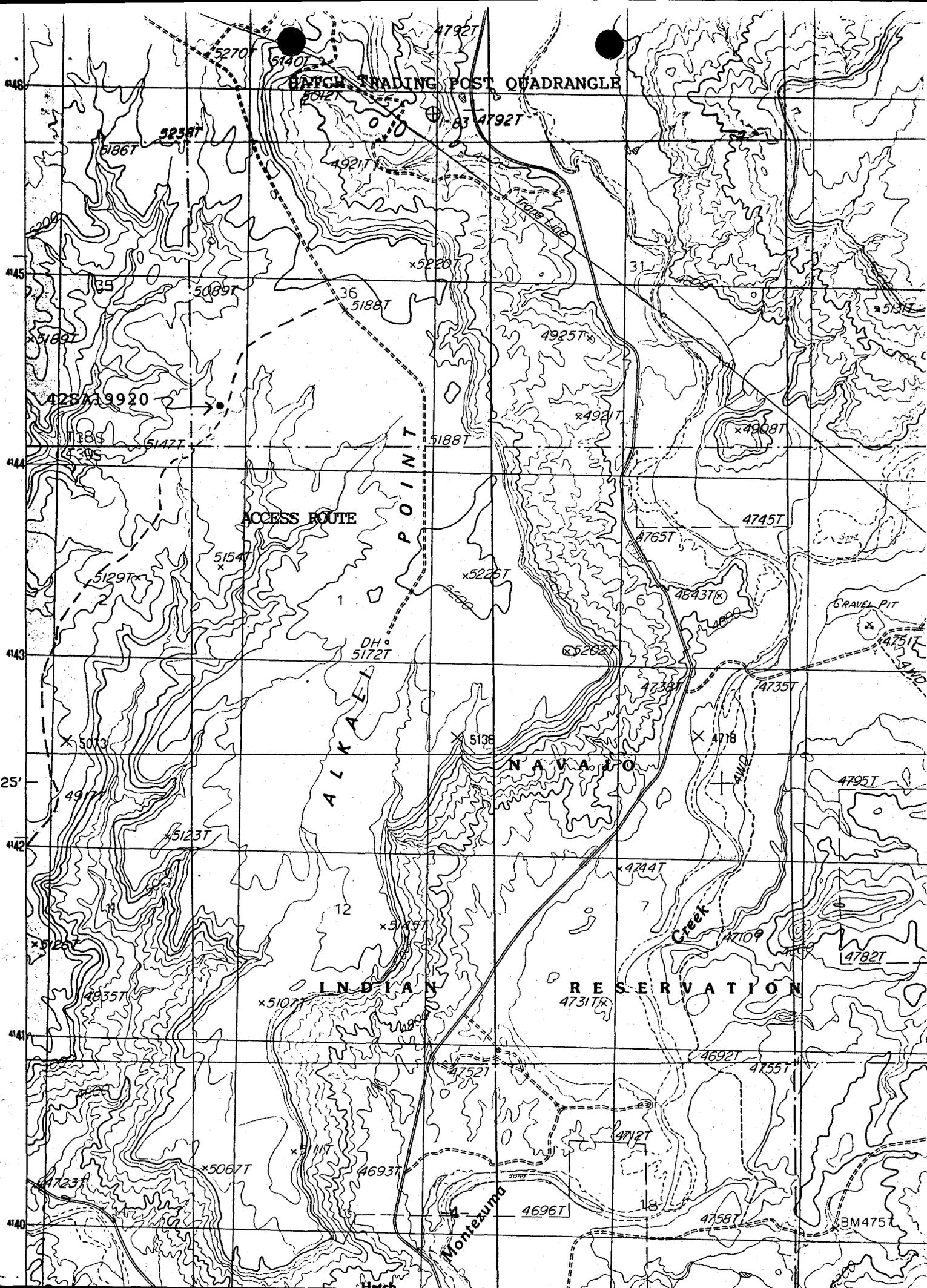
MONTEZUMA CREEK QUADRANGLE
UTAH-SAN JUAN CO.
15 MINUTE SERIES (TOPOGRAPHIC)

MONUMENT CANYON

4159 III (BLANDING) 445 446 R. 23 E. 20' R. 24 E. 449 450 451 452 2 650 000 FEET 454 109° 15' 37' 30"



MATCH 2 MI.
CAJON MESA 4158 I



A total of 38.6 acres (15.62 hectares) were inventoried for cultural resources for the project: 10 acres (4.05 hectares) in the well pad area and 28.6 (11.57 hectares) along the access road. The access road is 12,500 feet (3810 meters) in length, with 9000' (2743.2m) on the Navajo Reservation and 3500' (1066.8m) on Utah State lands. A total of 30.6 acres (12.39 hectares) of the project inventoried are on the Navajo Reservation, and 8.02 acres (3.23 hectares) on State lands.

SURVEY RESULTS

Three archeological sites were found during the survey. Two of the sites (42SA17074 and 17075) had been previously recorded. Site 42SA17074 (prehistoric) is located ca. 100 feet to the north of the well pad, while site 42SA17075 (historic) is situated ca. 50' to the northeast of the well pad and 70' to the northwest of the access road where it joins the well pad. One newly discovered site on State lands, located ca. 80' to the west of the access road, was recorded during the survey. This site (42SA19920) is briefly described below. More detailed information is contained in the site form submitted to the BIA and Division of State History. This site is considered to be significant and potentially eligible for nomination to the National Register of Historic Places. Of the two previously recorded sites only 42SA17074 is considered significant.

SITE NO.: 42SA19920

DESCRIPTION: This site consists of a sparse and diffuse scatter of burned rock, flakes, and sherds. A small (2 X 2m) concentration of burned rock was noted next to a two track road which crosses the west edge of the site area. It appears that most of the cultural materials on the site are buried. Ceramics indicate a PII affiliation. The site is located along the south edge of a low rocky escarpment overlooking eroded terrain to the south.

CONCLUSION

The archeological survey of Meridian Oil, Inc.'s Ollie Federal 22-11 well and ca. 12,500' of access road was conducted on March 6, 1988 by personnel of La Plata Archeological Consultants, Inc. The well pad and ca. 9000' of the access road are located on the Navajo Reservation, while ca. 3500' of the access road is on State lands. The project is in San Juan Coutny, Utah. An area 660 X 660' surrounding the well center stake and a 100' wide corridor along the access route were archeologically surveyed. Three archeological sites were found: two adjacent to the well pad and one along the access route. The two sites next to the pad are on the Navajo Reservation, and the site along the access route is on State lands. All three of the sites are outside of the area to be disturbed by construction activities and none should be adversely affected by the project. All of the sites are flagged with blue flagging tape to indicate where all ground disturbing activities are prohibited. Provided that the sites are strictly avoided archeological clearance for the project is recommended.

IMACS

PART A - ADMINISTRATIVE DATA

- 1. SITE NO. 42SA19920
- 2. AGENCY NO.
- 3. TEMP. NO. 8822-3

- 4. STATE Utah COUNTY San Juan
- 5. PROJECT LAC 8822 U88-LA-049
- 6. REPORT NO. LAC 8822
- 7. SITE NAME none
- 8. CLASS prehistoric
- 9. SITE TYPE limited activity
- 10. ELEVATION 5160
- 11. UTM GRID Zone 12 655860 mE 4144320 mN
- 12. NW SW SW OF SECTION 36 T 38S R 24E
- 13. MERIDIAN Salt Lake City
- 14. MAP REFERENCE Hatch Trading Post
- 15. AERIAL PHOTO n/a
- 16. LOCATION AND ACCESS

four miles north of Hatch Trading Post take two track road (East Alkali Road) to west and up canyon slope to main Alkali Point road (also a two track trail), then go south one mile to trail going to southwest, take trail 1/2 mile to site

- 17. LANDOWNER State
- 18. FEDERAL ADMIN. UNITS DISTRICT na RESOURCE AREA na
- 19. PLANNING UNITS N/A
- 20. SITE DESCRIPTION

This site consists of a sparse and diffuse scatter of burned rock, flakes, and sherds located along the south edge of a low rocky escarpment overlooking eroded terrain to the south. A 2 x 2m concentration of burned rock is located next to a two track trail which crosses the east edge of the site. It appears that most of the cultural materials may be buried. A recent seismograph line was flagged across the site.

- 21. SITE CONDITION EXCELLENT (A) xx GOOD (B) FAIR (C) POOR (D)
- 22. IMPACT AGENT (S) two track trail
- 23. NATIONAL REGISTER STATUS significant
JUSTIFY
probably buried deposits on site; information on Anasazi ancillary subsistence available
- 24. PHOTOS 8749-3
- 25. RECORDED BY Patrick Harden
- 26. SURVEY ORGANIZATION La Plata Archeological Consultants, Inc.
- 27. ASSISTING CREW MEMBERS none
- 28. SURVEY DATE 3/6/88

IMACS**PART A - ADMINISTRATIVE DATA****ENVIRONMENTAL DATA 1. SITE NO. 42SA19920**

29. SLOPE 1 ASPECT 200
30. PERMANENT WATER (x100m) 23
TYPE creek
NAME Montezuma Creek
DISTANCE TO OTHER WATER 200m/intermittent arroyo
31. GEOGRAPHIC UNIT Colorado Plateau/Blanding Basin
32. TOPOGRAPHIC LOCATION
PRIMARY LANDFORM mesa
PRIMARY POSITION top
SECONDARY LANDFORM ridge
SECONDARY POSITION edge
DESCRIBE- site is on edge of sloping ridge on west wide of Alkali Point
33. DEPOSITIONAL CONTEXT aeolian
DESCRIPTION OF SOIL sandy loam
34. VEGETATION
a. LIFE ZONE Upper Sonoran (E)
b. COMMUNITY
PRIMARY sagebrush
SECONDARY P-J
SURROUNDING sagebrush
DESCRIBE mostly sagebrush and a few scattered juniper on and around site
35. MISCELLANEOUS TEXT none
36. CONTINUATIONS
na

LIST OF ATTACHMENTS

- X PART B X SITE SKETCH
X TOPO MAP X PHOTOS

PART B - PREHISTORIC SITES

SITE NO. 42SA19920

1. SITE TYPE limited activity
2. CULTURE AFFILIATION PII DATING ceramics
3. AREA 80 x 80 6400 sq. m.
4. SURFACE COLLECTION None (A)
5. ESTIMATED DEPTH OF FILL 20cm+
HOW ESTIMATED surface feature
6. EXCAVATION STATUS unexcavated
7. SUMMARY OF ARTIFACTS AND DEBRIS

- xx LITHICS (LS)
- xx CERAMICS (CS)
- xx BURNED STONE (BS)
- GROUND STONE (GS)
- LITHIC SOURCE (S)

DESCRIBE

sparse and diffuse scatter of flakes, sherds, and burned rock; one 2 x 2m concentration of burned rock

8. LITHIC TOOLS

#	TYPE
none	

DESCRIBE-

na

9. LITHIC DEBITAGE

ESTIMATED TOTAL QUANTITY 75

MATERIAL TYPE quartzite, chert
STAGES DECORTICATION 1 SECONDARY 2 TERTIARY 3 SHATTER 1 CORE 0

10. MAXIMUM DENSITY / sq m 2

PART B - PREHISTORIC SITES

SITE NO. 42SA19920

11. CERAMICS

#	TYPE-
40	unc. grayware
20	unc. corrugated
5	unc. B/W

DESCRIBE: na

12. MAXIMUM DENSITY/sq m 3

13. NON-ARCHITECTURAL FEATURES

HEARTH (HE)	PETROGLYPH (PE)
MIDDEN (MD)	xx ROASTING PIT (RP)
RUBBLE MOUND (RM)	WATER CONTROL (WC)
ROCK ALIGNMENT (RA)	

DESCRIBE;

2 x 2m concentration of burned rock

14. ARCHITECTURAL FEATURES

#	MATERIAL	TYPE
none		

DESCRIBE,

na

15. COMMENTS/CONTINUATIONS

na

1987

IMACS ENCODING FORM

To be completed for each site form.
For instructions and codes, see IMACS Users Guide.

Encoder's Name CWOY Ramsay

A

1 42 - SA - 06.19.920 2 - 6 - 10 05160 11 12 653.860 414.4320

12

NW	SW	SW	36	38	S	02.4	E

 13 1 14 HATCH TRADING POST 17 ST

18 - - 19 - 21 - 22 DR - - 23 0 26 LA 28 03-06-88 29 01 2.00

30 023 B 31 CAJ 32 CA PB 33 S 34 E PHP 35 -

B

2 P30 - - 3 06400 4 A 5 A 6 0 7 1LS 1CS 1BS - - -

8

 9 D 1 2 3 10 11 DEZ BEC - 13 IRP - - - 14 - - - -

C

2 - - 3 - - - - 4 - - - - 5 - - - - 6 - 7 - 8 - 9

10

 11

 13

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14

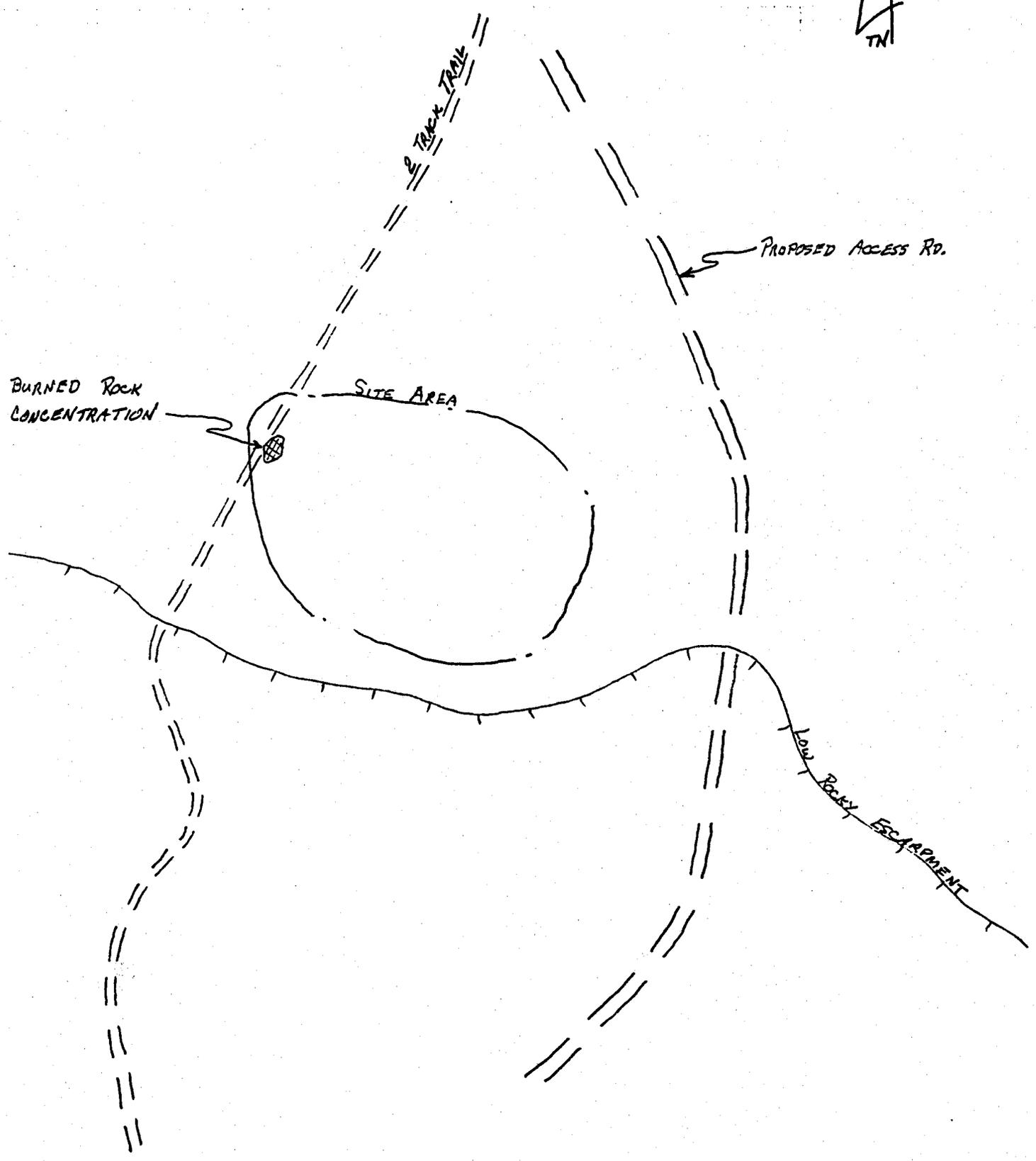
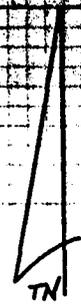
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12 SA 19920

8822-3

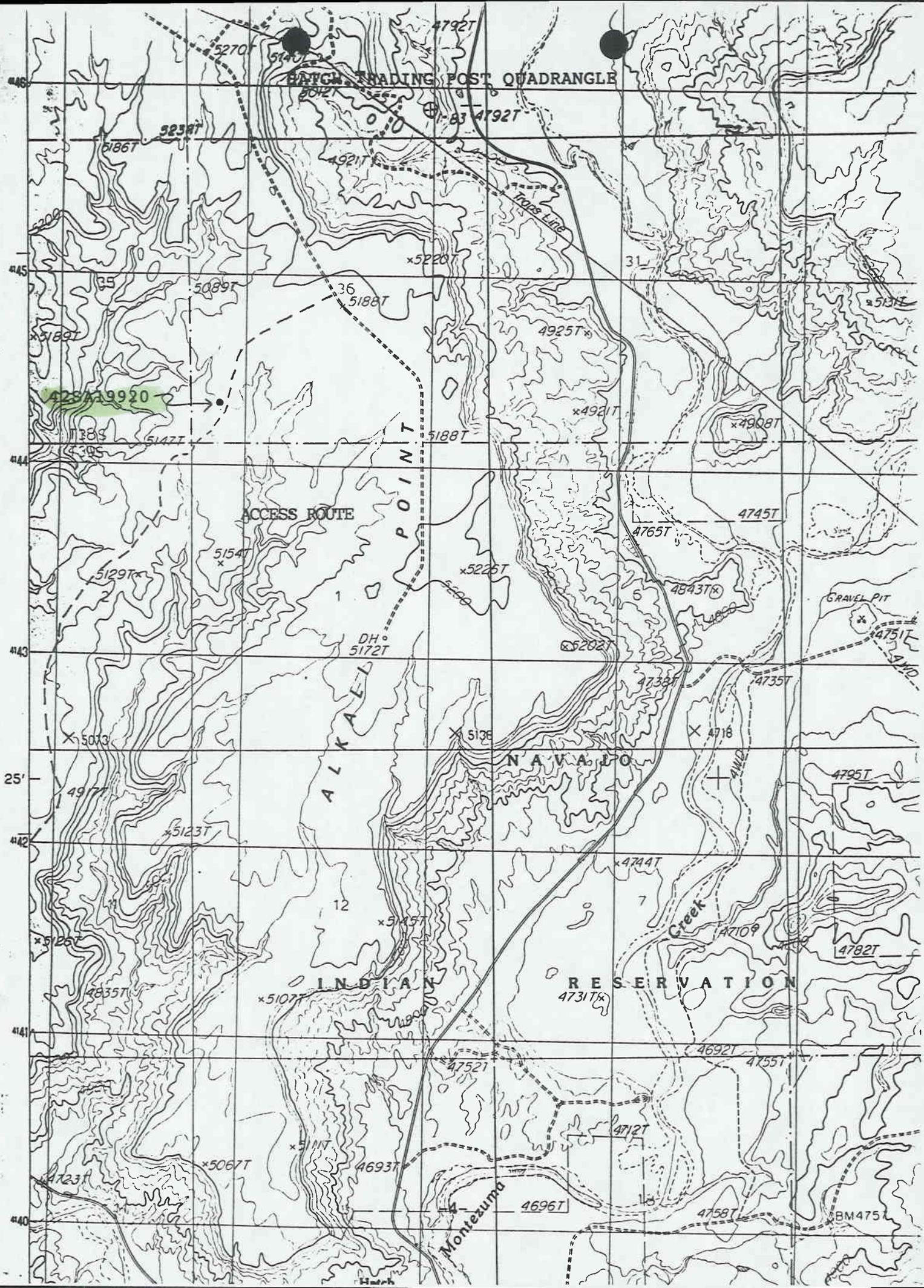
3/6/88

10M





42SA19920 - General site area, facing east.



MERIDIAN OIL

April 8, 1988

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

RECEIVED
APR 12 1988

DIVISION OF
OIL, GAS & MINING

Attention: Arlene Sollis

Re: Application for Permit to Drill
22-11 Ollie-Federal
SENW Section 11-39S-24E
San Juan County, Utah
Federal Lease No. U-56188

Gentlemen:

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

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

Please be advised that Meridian Oil Inc. requests that all pertinent data for this location be granted TIGHT HOLE status.

If you have any questions, please do not hesitate to call me at 406-256-4122.

Sincerely,



Suzann S. Nelson
Sr. Operations Technician

/ssn/1771N

Encl

cc: Bill Mitchell

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
 MERIDIAN OIL INC. BTA

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface SENW (2130' FNL - 2350' FWL)

At proposed prod. zone Same

RECORDED
 APR 12 1988
 DIVISION OF OIL, GAS & MINING

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

2 miles northwest of Hatch Trading Post

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)
 2130'

16. NO. OF ACRES IN LEASE
 320

17. NO. OF ACRES ASSIGNED TO THIS WELL
 40

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

19. PROPOSED DEPTH
 6330' *akch*

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5112' GL (graded)

22. APPROX. DATE WORK WILL START*
 3rd Quarter, 1988

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4	9-5/8	36 #	2,000'	Cement to sfc w/560 sx
8-3/4	5-1/2	15.5#	6,330'	Single stage. TOC @ 5200'. Caliper log + 20% excess

CONFIDENTIAL INFORMATION

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

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 J.R. Harris TITLE Regional Drilling Engineer DATE 4/6/88

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____ APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING

APPROVED BY _____ TITLE _____

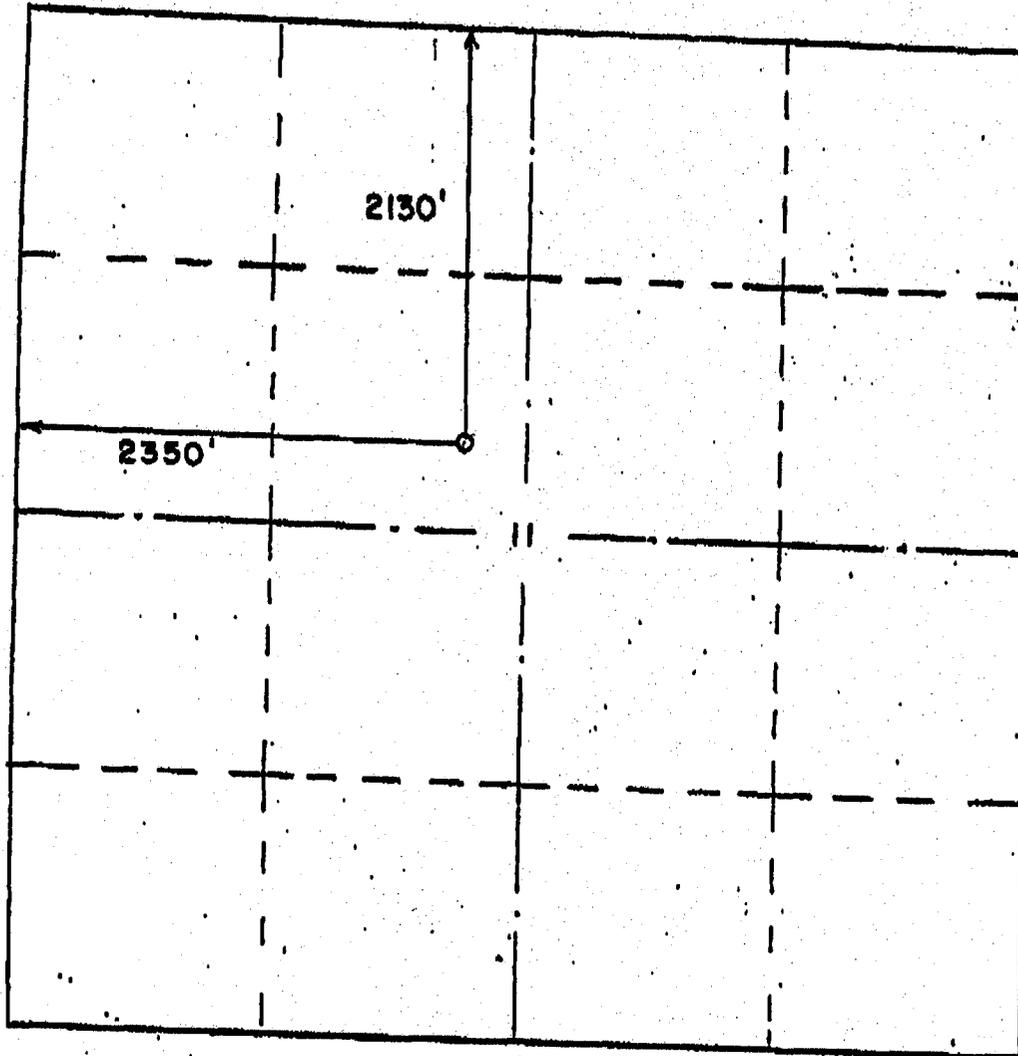
DATE: 11-2-88
 BY: John R. Bay

*See Instructions On Reverse Side

WELL SPACING: R615-3-3

WELL LOCATION AND ACREAGE DEDICATION PLAT

35 36
2



1"=1000'

WELL LOCATION DESCRIPTION:
 Meridian Oil, #22-11 Ollie Federal
 2130' FNL & 2350' FWL
 Section 11, T.39 S., R.24 E., SLM
 San Juan County, Utah
 5114' grd. elevation
 Alternate: 1535'FN & 2420'FW grd. 5110'

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

2 March 1988

Gerald G. [Signature]



213 East Montezuma Avenue • Cortez, Colorado 81321 • 303-565-3330

END

B. THIRTEEN-POINT SURFACE

1. All persons in the area who are associated with the project will be informed by the holder/operator that they will be subject to prosecution for disturbing archaeological sites or paleontological sites, or collecting artifacts or fossils.

Any cultural and/or paleontological resource discovered by the holder/operator, or any person working on his behalf, on public or federal land shall be immediately reported to the authorized officer (BLM-San Juan Resource Area Office (801) 587-2141). The holder/operator shall immediately suspend all operations in the area of such discovery until written authorization to proceed is issued by the authorized officer. An evaluation of the discovery will be made by the authorized officer to determine appropriate actions to prevent the loss of significant cultural or scientific values. The holder/operator will be responsible for the cost of evaluation of the discovery and of any required mitigation measures. Any decision as to proper mitigation measures will be made by the authorized officer after consulting with the holder/operator and other affected parties.

2. *Surface management stipulations developed by Bureau of Indian Affairs.*

NOTIFICATIONS

Notify the San Juan Resource Area, at (801) 587-2144 for the following:

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

1 day prior to spudding;

1 day prior to running and cementing surface casing;

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

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

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

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

Home Phone: (801) 259-6239

Lynn Jackson, Chief, Branch of Fluid Minerals

Office Phone: (801) 259-6111

Home Phone: (801) 259-7990

Paul Brown, I&E Coordinator

Office Phone: (801) 259-6111

Home Phone: (801) 259-7018

24 hours advance notice is required for all abandonments.

Bureau of Indian Affairs
Surface Management Stipulations
To Be Included in APD

Company Meridian Oil Fortyes 2180' FWC 2350' FWC
 Well# 22-11 (Oille Federal) STIPULATIONS CHECKED
 Date of Inspection 3/1/88 APPLY
 Provided by Carlos Salazar

1. All above ground structures and equipment will be painted with the following non-glare color.

<u> </u> Brown	Fed. Standard	<u> </u>	595a - 30318
<u> </u> Green	Fed. Standard	<u> </u>	595a - 34127
<u> </u> Gray	Fed. Standard	<u> </u>	595a - 36357
<input checked="" type="checkbox"/> Sand	Fed. Standard	<u> </u>	595a - 30277
<u> </u> Mobil Beige 12-F-38			

2. Compacted areas will be plowed or ripped to a depth of 12 to 16 inches before reseeding. Seed will be drilled to a depth of .5 to .75 inch or broadcast and followed by a drag or packer. If broadcast, the recommended seed mix will be applied at 150% of the recommended rate. The following seed mix will be used.

<u>SPECIES</u>	<u>lbs./acre/PLS</u>
Crested Wheatgrass.....	<u>4</u>
Slender Wheatgrass	<u> </u>
Smooth Brome	<u> </u>
Orchardgrass	<u> </u>
Yellow Sweetclover	<u> </u>
Sainfoin	<u> </u>
Western Wheatgrass	<u> </u>
Sand Dropseed	<u> </u>
Alkali Sacaton	<u> </u>
Indian Ricegrass	<u> </u>
Galleta	<u>2</u>
Needle-N-Thread	<u>1</u>
Squirrel tail	<u> </u>
Side Oats Grama	<u> </u>
Four-Wing Saltbush.....	<u>2</u>
Shadscale	<u> </u>
Cliffrose	<u> </u>
Antelope Bitterbrush	<u> </u>
Timothy	<u> </u>
Winter-Fat	<u> </u>

(Purity x Germination = PLS)

3. The top 6 inches of soil will be salvaged, stockpiled, and stabilized on the SE side/corner of the well pad and/or in the "L" corner of the well pad and reserve pit for use in revegetating the site.
4. Upon abandonment, the well pad will be fenced with a standard five-strand barb wire fence, or equivalent and will have no gates. The fence will be maintained for two years to allow for seeding establishment and will then be removed.

5. Access roads not needed for through traffic will be barricaded and reseeded in accordance with #2. Water bars will be constructed to the following specifications.

<u>% Slope</u>	<u>Slope Distance</u>
Less than 1%	300 feet
1% - 5%	200 feet
5% - 15%	100 feet
Greater than 15%	50 feet

6. An earthen berm (18 inches/feet high) will be constructed around the perimeter of the well pad, except on the high/cut side of the well pad.
7. The reserve pit will be lined to prevent seepage from occurring.
8. The reserve pit will be constructed long and narrow (x feet) so that the pit can be accommodated and any potential hazards reduced or eliminated.
9. Immediately following drilling, the fluids of the reserve pit will be pumped and disposed of per BLM instructions. A sundry notice for this action is required by BLM.
10. Diversion ditch (es) will be constructed on the outside of the well pad above (below) (circle one) the cut slope diverting any runoff to the .
11. The wash ^{drainage} (es) will be diverted around the N side of the well pad.
12. Culvert(s) of sufficient size will be placed on all drainage crossings of the access road determined necessary during the on-site inspection. Will be done only if well is a producer
13. No production flowlines nor gas sales lines will be constructed until their right-of-ways/easements are inspected and approved by the surface management agency.
14. Any flowline (s) (surface/subsurface) will be constructed paralleling new and existing road right-of-ways, except
-
15. The top 8 inches of soil of any subsurface flowline constructed will be rolled/scraped to one side of the bladed line and will be disturbed as little as possible during the actual construction. Immediately following installation, the roll of topsoil salvaged will be redistributed over the bladed line and will be reseeded in accordance with item# 2. In addition to this, all areas disturbed (including the replaced topsoil) will be imprinted with a land imprinter or sheep's foot type roller to create a pattern of small depressions to enhance vegetative regrowth. All drainages crossed by these line (s) will be restored, as near as possible, to their original form. Water bars will be constructed in accordance with item# 5.
16. Fence (s) crossed by the access road will be braced and tied off before cutting of the wires to prevent slackening of the fencelines. Both a gate and cattleguard which must be BIA approved will be installed.

Cattleguard dimensions width 8' length 16'
 Gate dimensions width 4' length 16'

17. Storage tank (s) installed on the location will be surrounded by a dike of sufficient capacity to contain $1\frac{1}{2}$ times the storage capacity of the tank (s).
18. The stipulations set forth in the archeological clearance letter dated 3/30/68 will be strictly adhered to. Clearance No. LAC Report 8822
LPAC - 87 - 337
19. Upon abandonment, all material brought in to plate the surface of the well pad and/or the access road will be cleaned up and disposed of prior to re-seeding.
20. The construction work conducted at this location will need to be inspected before the drill rig is moved on the location.

ALL CHANGES/DEVIATIONS MADE FROM THE APPROVED APD MUST BE CLEARED AND APPROVED BY THE SURFACE MANAGEMENT AGENCY. THE SURFACE MANAGEMENT AGENCY CAN BE CONTACTED AT (505) 368-~~455~~ 4427 ext 345

OTHER:

- 1) Trees uprooted will be stockpiled and left for firewood.
- 2) Access road dimensions should read 8596 feet instead of 600 feet as shown in the APD.

MERIDIAN OIL INC.

LEASE NAME: 22-11 Ollie-Federal
 LEASE NO. U-56188
 LOCATION: SENW Section 11-39S-24E
 2130' FNL - 2350' FWL
 San Juan County, Utah
 Ollie Prospect

All lease/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. EIGHT POINT DRILLING PROGRAM1.& 2. Estimated Tops:

Morrison	Surface	
Entrada	1014	
Navajo	1172	fresh water
Chinle	1961	
Shinarump	2818	
Cutler	3099	
Hermosa	4886	
Upper Ismay	5912	oil
Top Porosity	5951	oil
Hovenweep	6085	
Lower Ismay	6093	
Desert Creek	6187	oil
Chimney Rock	6269	
Akah	6289	
TD		

CONFIDENTIAL INFORMATION

All fresh water and prospectively valuable minerals 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:

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

4. Casing program:

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

Hole Size	Size	Depth	Casing				Cementing Program
			Weight	Grade	Thrd	Cond	
12-1/4	9-5/8	2,000'	36#	K-55	ST&C	New	Cement to sfc w/560 sx. Single stage. TOC @ 5200'. Caliper log + 20% excess.
8-3/4	5-1/2	6,330'	15.5#	K-55	ST&C	New	

5. Proposed drilling mud program:

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

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

6. Coring, Logging and Testing Program:

Coring

Possible 90' (Ismay)

Logging

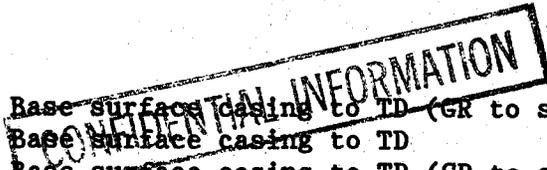
GR/DLL/MSFL
 GR/LDT/CNL/PEF
 GR/Sonic
 Dipmeter

Base surface casing to TD (GR to surface)
 Base surface casing to TD
 Base surface casing to TD (GR to surface display)
 Minimum on charge.

Testing

Upper Ismay - Probable
 Lower Desert Creek - Probable

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 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. 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. Anticipated abnormal BHP or BHT:

No abnormal BHP or BHT are expected in this well.

Potentially hazardous conditions anticipated:

No H₂S has been found, reported or is known to exist at these depths in this area.

8. Anticipated Starting Dates and Notifications of Operations

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

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

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

A first production conference will 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 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.

Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6. The marker will be constructed as follows:

Above ground pipe, information beaded-on with a welding torch. The top of the marker will be closed or capped.

The following minimum information will be permanently placed on the marker with a plate, cap, or beaded-on with a welding torch: "Fed" or "Ind", as applicable. "Well number, location by 1/4 1/4 section, township and range". " Lease number".

B. THIRTEEN POINT SURFACE USE PLAN

1. Existing Roads (Yellow)

- a. Location of proposed well in relation to town or other reference point: 2 miles northwest of Hatch Trading Post.
- b. Proposed route to location. (See attached Exhibit "1").
- c. Existing and new access shall be maintained in good or better condition.
- d. An encroachment permit will be obtained from the San Juan County Road Dept. (801) 587-2231, Ext 43.

2. Planned Access Roads (Blue)

- a. The maximum total width will be 30 feet for approximately 600'.
- b. Maximum grade is N/A.
- c. Turnouts will be constructed as needed.
- d. Road is centerline flagged from existing lease roads.
- e. Road will be drained as needed.
- f. Access will be built to Class III road standards (18' Running Surface, 6" pit run surface material).

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

The access road will be rehabilitated or brought to Class III Road Standards within sixty (60) days of dismantling of the drilling rig. If this time frame cannot be met, the Area Manager will be notified so that temporary drainage control can be installed along the access road.

3. Location of Existing Wells (1 mile radius)

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

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

Production facilities will be located on well pad. (See attached Exhibit "4").

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

If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 1-1/2 times the storage capacity of the largest tank in the battery.

All loading lines will be placed inside the berm surrounding the tank battery.

All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.

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

All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.

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 wellhead to the meter and downstream for the remainder of the pad. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three (3) months on new meter installations and at least quarterly thereafter. The Area Manager will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Resource Area Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

5. Location and Type of Water Supply

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

A temporary water use permit for this operation will be obtained from the Utah State Engineer, Mark Page, Price, Utah (657-1303).

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

6. Source of Construction Materials

Native soil materials from drilling location and access trail, which is available, will be used. Any additional materials needed will be hauled in from authorized commercial sources.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.1-3.

7. Methods for Handling Waste Disposal

The reserve pit will be lined with commercial bentonite.

Three sides of the reserve pit will be fenced with four strands of barbed wire before drilling starts. The fourth side will be fenced as soon as the drilling is completed. The fence will be kept in good repair while the pit is drying.

All trash must be contained and disposed of by a trash basket. Basket must be totally enclosed with a fine wire mesh before the rig moves in. The road and pad will be kept litter free.

If burning is required, a permit will be obtained from the State Fire Warden, George Kensley, (801) 587-2237. (Permit required May 1 - October 31)

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

8. Ancillary Facilities

Camp facilities will not be required.

9. Well Site Layout

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

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

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

The top 6 inches of soil material will be removed from the location and stockpiled separately on the back end of pad.

Topsoil along the access will be reserved in place adjacent to the road.

Access to the well pad will be from the laydown end.

10. Plans for Restoration of Surface:

Immediately on completion of drilling, the location and surrounding area will be cleared of all remaining debris, materials, trash and junk not required for production.

- Before any dirt work to restore the location takes place, the reserve pit must be completely dry.

All disturbed areas will be recontoured to to the approximate natural contours.

The stockpiled topsoil will be spread evenly over the disturbed contours.

Prior to reseeding, all disturbed area, including the access roads, will be scarified and left with a rough surface. Disturbed areas will be scarified six (6) inches deep, with rips eighteen (18) inches apart.

Seed will be broadcast at a time specified by the BLM and BIA. Seed mixture will be specified by the BIA.

The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed.

11. Surface Ownership: Navajo Indian
Mineral Ownership: Federal

12. Other Information

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 will be identified in accordance with 43 CFR 3162.3-2.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

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

All persons in the area who are associated with the project will be informed by the Operator that they will be subject to prosecution for disturbing archaeological sites or collecting artifacts. If subsurface cultural material is exposed during construction, work at that spot will stop immediately and the BLM, San Juan Resource Area Office will be contacted (801) 587-2141. The Operator will be responsible for the cost of evaluation of the discovery and proper mitigation measures. Any decision as to proper mitigation shall be made by the authorized officer after consulting with the Operator.

This permit will be valid for a period of one (1) year from the date of approval. After 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 not 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.

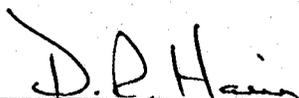
13. Lessee or Operator's Field Representative and Certification

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

1. Johnny L. Wright, Drilling Manager	406-256-4175	406-252-2889
2. Steve Cruickshank, Drilling Eng.	406-256-4164	406-252-0701
3. Douglas R. Harris, Reg. Drilling Eng.	406-256-4025	406-652-2381
4. John Pulley, Completion Supt.	406-256-4124	406-259-6156

CERTIFICATION:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct, and, that the work associated with the operations proposed herein will be performed by MERIDIAN OIL INC. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.



Douglas R. Harris
Regional Drilling Engineer

4/6/88
Date

TABLE 1

NOTIFICATIONS

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

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

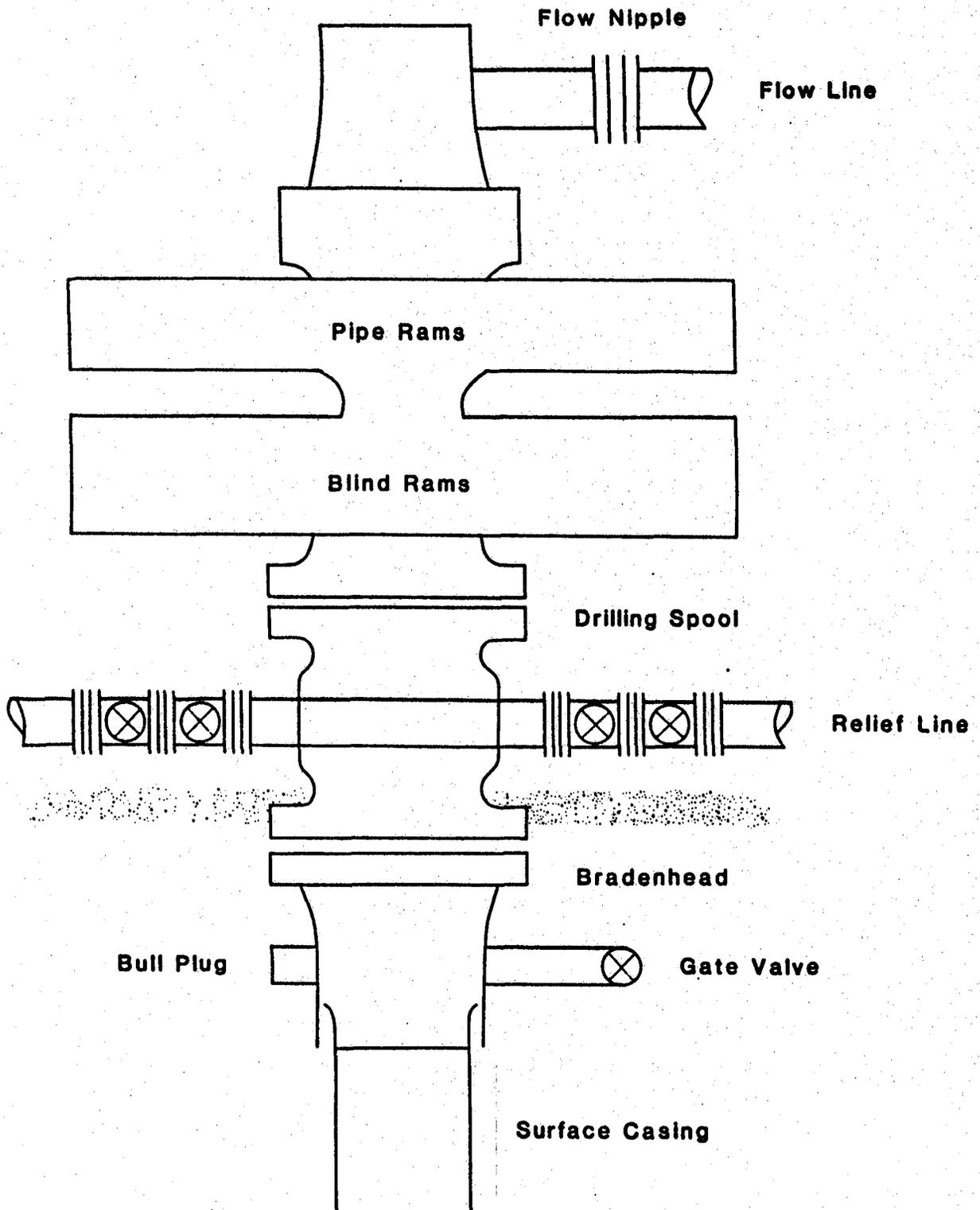
Notify the Moab District Office, Branch of Fluid Minerals at (801) 259-6111 for the following:

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

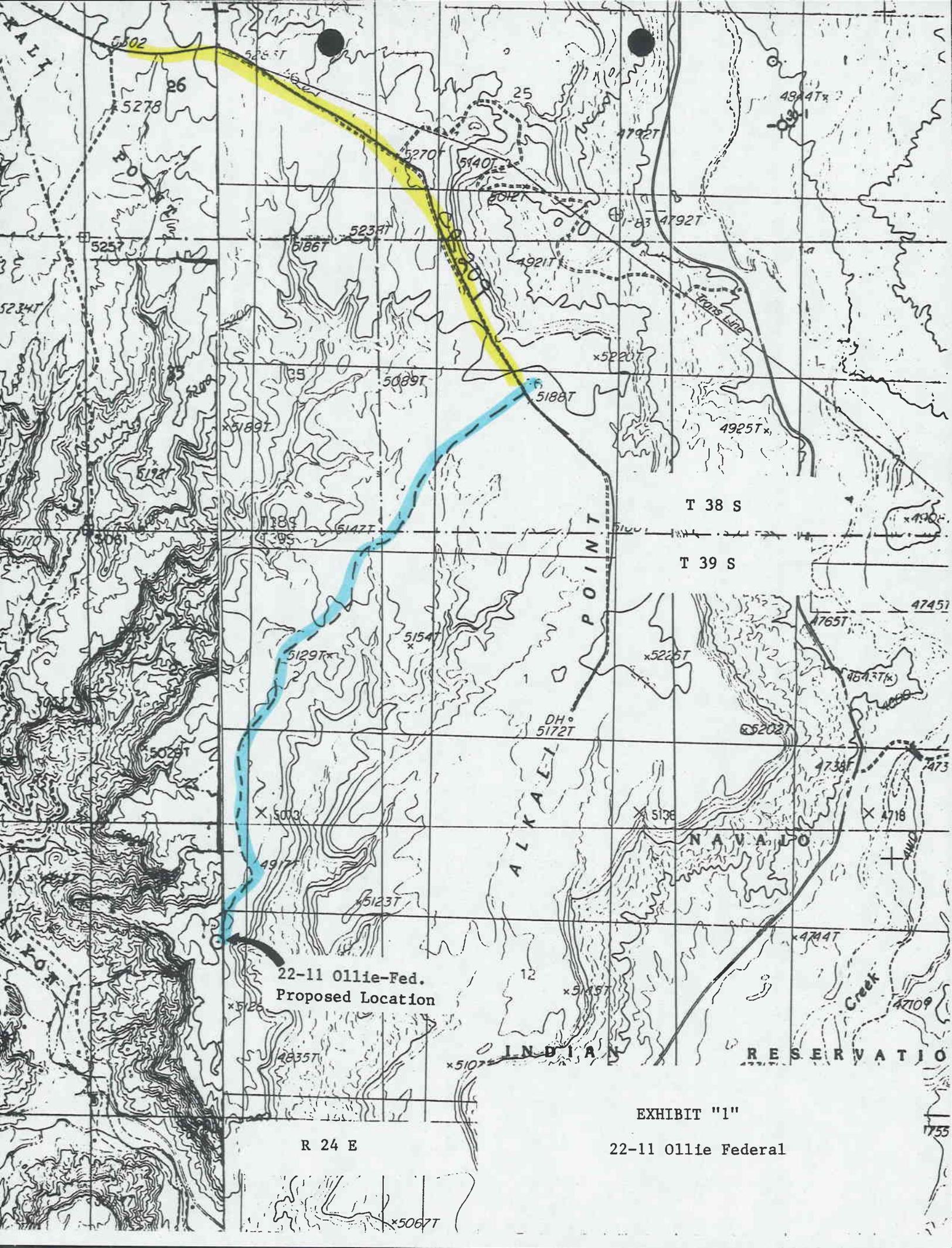
Steven Jones, Petroleum Engineer	Office Phone: (801) 259-6111
	Home Phone: (801) 259-7404
Lynn Jackson, Chief, Branch of Fluid Minerals	Office Phone: (801) 259-6111
	Home Phone: (801) 259-7990
Paul Brown, I&E Coordinator	Office Phone: (801) 259-6111
	Home Phone: (801) 259-7018

24 HOURS ADVANCE NOTICE IS REQUIRED FOR ALL ABANDONMENTS.

TYPICAL B.O.P. INSTALLATION



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



22-11 Ollie-Fed.
Proposed Location

EXHIBIT "1"

R 24 E

22-11 Ollie Federal

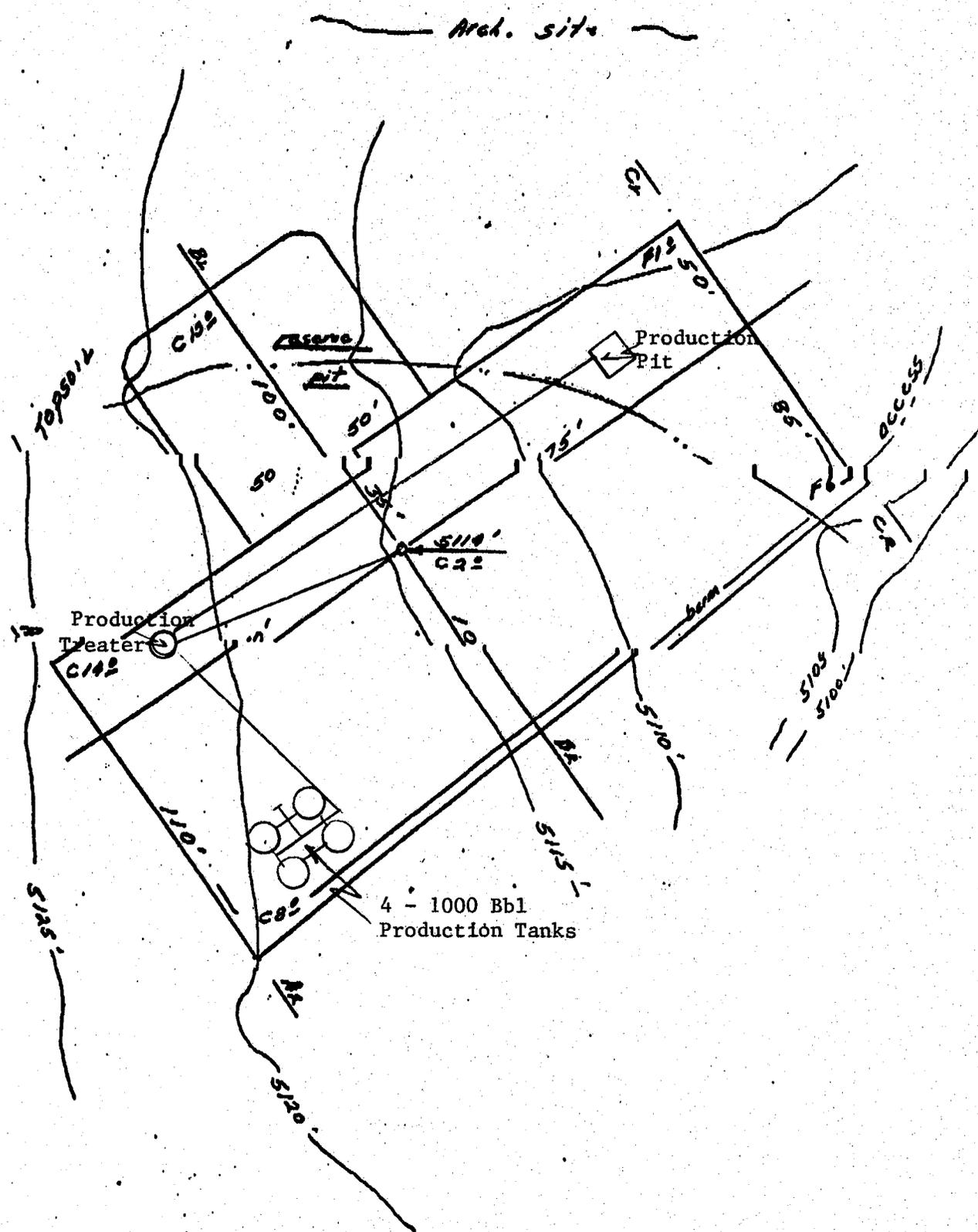


EXHIBIT "4"
Battery Layout

Cut 
Fill 

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

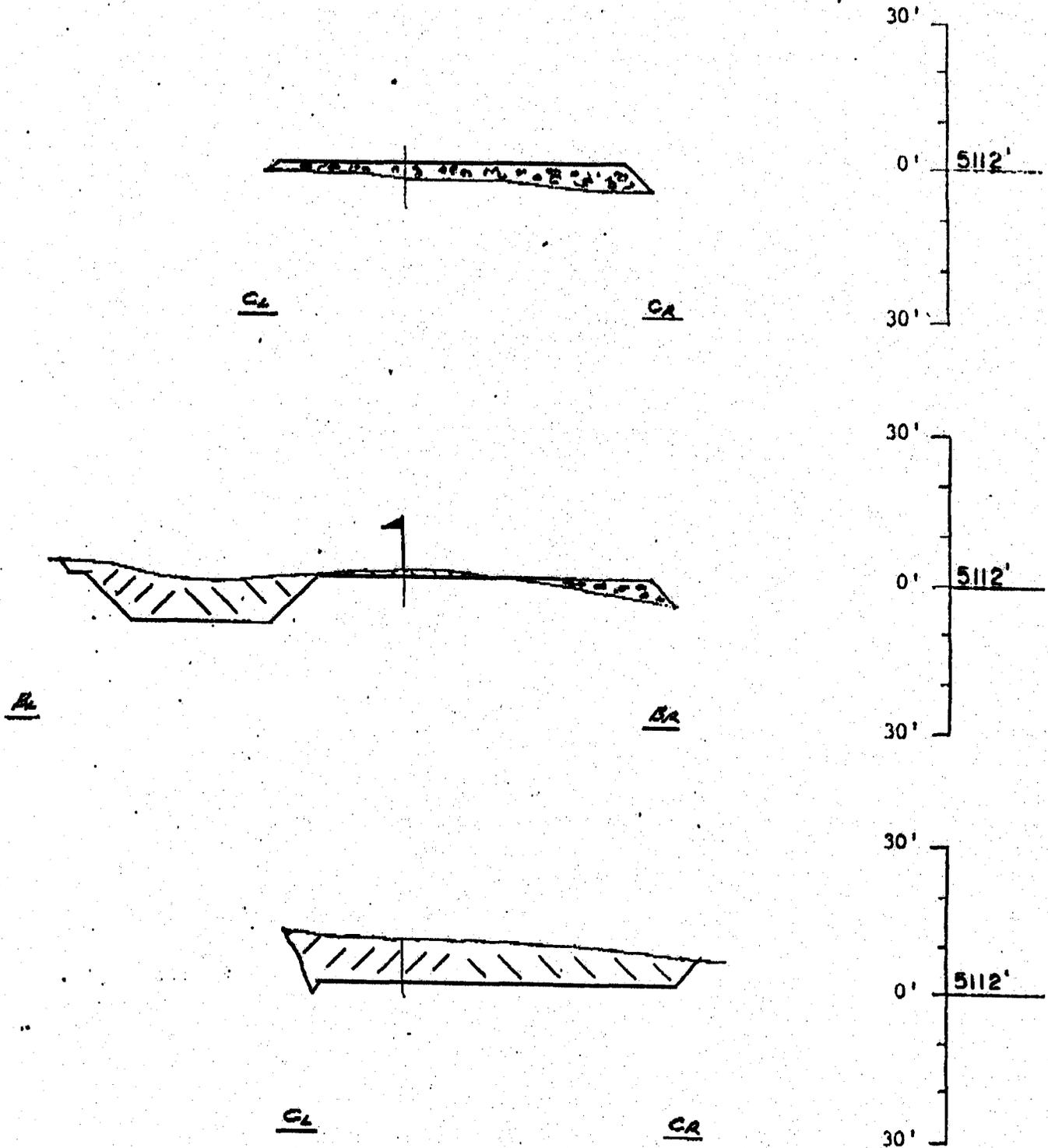


EXHIBIT "9.b"
Cross-Section

Bureau of Indian Affairs

Transmittal of Application for Permit to Drill/Sundry Notice

Date 4/18/88 Lease Number U-56188
Operator Meridian Oil Sec. 11 T. 39S R. 24E
Well No. & Name Ollie Fed 22-11 Footage 2130 F(~~S~~)(N)L2350 F(~~S~~)(W)L
Date APD/Sundry Notice Received 4/14/88 SAN JUAN County, Utah

If the proposed action meets with your approval, please acknowledge in the space below and return the copy to this office. Please review the applicable surface rehabilitation stipulations and list any additional ones you would like included. We will approve the application upon receipt of these requirements.

BLM Representative Rich McClure

Bureau of Land Management
P. O. Box 7
Monticello, Utah 84535

Telephone 801-587-2141

.....

Surface Owner Tribal Allotted Other _____

Archaeological Clearance Granted Not Granted

Threatened or Endangered Species Present Not Present

I concur with the approval of the Application for Permit to Drill and/or Sundry Notice provided the following conditions are included in the approval.

Additional Stipulations Attached None

Date June 13, 1988

Joseph W. Thomas
BIA Representative

CONFIDENTIAL

OPERATOR American Oil Inc. (BTA Oil Producers) DATE 4/20/88
WELL NAME Offic-Federal 22-11 McCracken #1
SEC SE NW 11 T 39S R 24E COUNTY San Juan

43-037-31460
API NUMBER

Fed.
TYPE OF LEASE

CHECK OFF:

PLAT

BOND

NEAREST WELL

LEASE

FIELD

POTASH OR OIL SHALE

PROCESSING COMMENTS:

no other well within 920'
need water permit
Exc. loc. Received 10-27-88
RDCC approved 4-21-88
Btm approved 7-6-88 (10-21-88 no work had started)

CONFIDENTIAL
PERIOD EXPIRED
ON 5-4-90

APPROVAL LETTER:

SPACING: R615-2-3 _____ UNIT _____ R615-3-2
 _____ CAUSE NO. & DATE _____ R615-3-3

STIPULATIONS:

~~1-water permit~~ -09-1499 / A62236 meridians
11-9-88 verbally requested BTA to supply a water permit.

STATE ACTIONS

Mail to:
RDCC Coordinator
116 State Capitol
Salt Lake City, Utah 84114

-
1. ADMINISTERING STATE AGENCY
OIL, GAS AND MINING
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203
2. STATE APPLICATION IDENTIFIER NUMBER:
(assigned by State Clearinghouse)
-
3. APPROXIMATE DATE PROJECT WILL START:
Third quarter, 1988
-
4. AREAWIDE CLEARING HOUSE(S) RECEIVING STATE ACTIONS:
(to be sent out by agency in block 1)
Southeastern Utah Association of Local Governments
-
5. TYPE OF ACTION: Lease Permit License Land Aquisition
 Land Sale Land Exchange Other_____
-
6. TITLE OF PROPOSED ACTION:
Application for Permit to Drill
-
7. DESCRIPTION:
Meridian Oil Inc. proposes to drill a wildcat well, the Ollie-Federal #22-11 on federal lease number U-56188 in San Juan County, Utah. This action is being presented to RDCC for consideration of resource issues affecting state interests. The U.S. Bureau of Land Management is the primary administrative agency in this case and must issue approval to drill jointly with DOGM before operations can commence.
-
8. LAND AFFECTED (site location map required) (indicate county)
SE/4, NW/4, Section 11, Township 39 South, Range 24 East, San Juan County, Utah
-
9. HAS THE LOCAL GOVERNMENT(S) BEEN CONTACTED?
Unknown
-
10. POSSIBLE SIGNIFICANT IMPACTS LIKELY TO OCCUR:
Degree of impact is based on the discovery of oil or gas in commercial quantities.
-
11. NAME AND PHONE NUMBER OF DISTRICT REPRESENTATIVE FROM YOUR AGENCY NEAR PROJECT SITE, IF APPLICABLE:
Chip Hutchinson, Moab, 259-8151
-
12. FOR FURTHER INFORMATION, CONTACT: 13. SIGNATURE AND TITLE OF AUTHORIZED OFFICIAL
John Baza
PHONE: 538-5340
- John R. Baza*
DATE: 4-21-88 Petroleum Engineer
-

SOUTHEASTERN UTAH ASSOCIATION OF LOCAL GOVERNMENTS

JIMMIE WALKER
Chairman

WILLIAM D. HOWELL
Executive Director

P. O. Drawer A1 • Price, Utah 84501 • Telephone 637-5444

AREAWIDE CLEARINGHOUSE A-95 REVIEW

14602

NOI ___ Preapp ___ App ___ State Plan ___ State Action X Subdivision ___ (ASP # 5-427-3)

Other (indicate) _____ SAI Number UT880427-040

Applicant (Address, Phone Number):

Federal Funds:
Requested: _____

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

Title:

APPLICATION FOR PERMIT TO DRILL

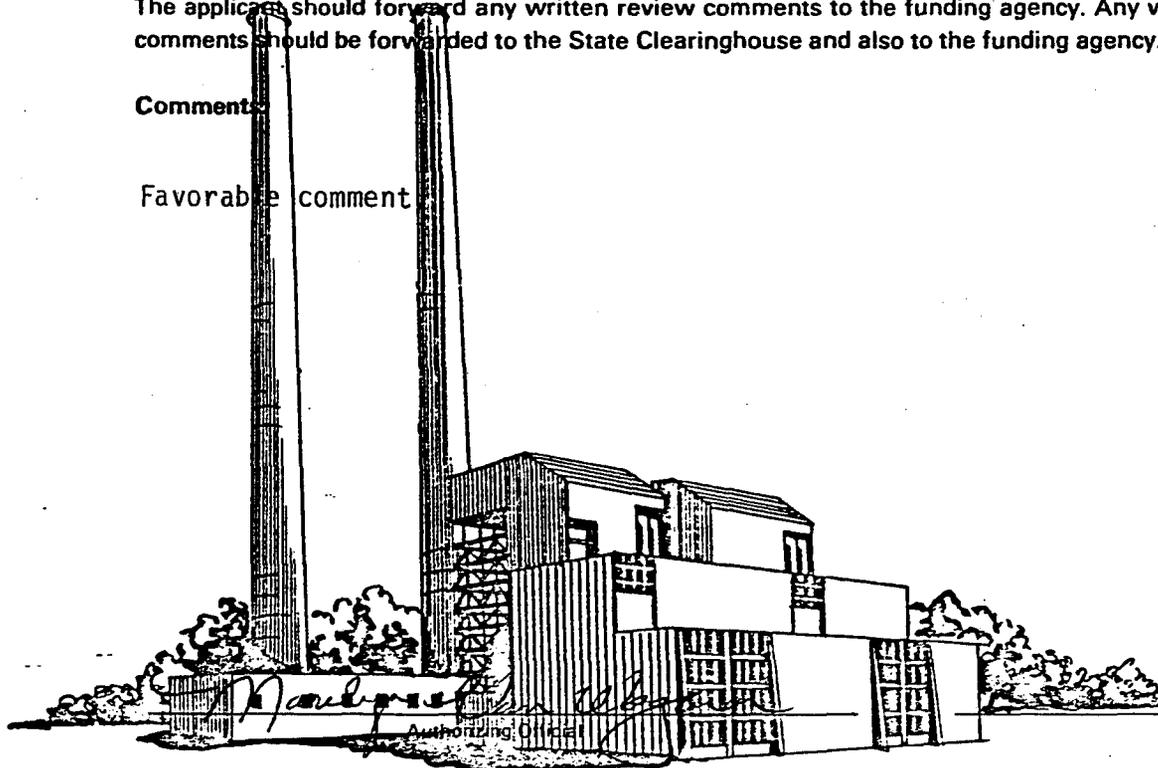
*Meridian Oil Co.
Ollie Fed. # 22-11
N-395-24E
San Juan Co.*

- No comment
- See comments below
- No action taken because of insufficient information
- Please send your formal application to us for review. Your attendance is requested

The applicant should forward any written review comments to the funding agency. Any written response to those comments should be forwarded to the State Clearinghouse and also to the funding agency.

Comments:

Favorable comment



Mark [Signature]
Authorizing Official

Date 5-25-88

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
 MERIDIAN OIL INC.

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface: SENW (2130' FNL - 2350' FWL)
 At proposed prod. zone: Same

5. LEASE DESIGNATION AND SERIAL NO.
 U-56188

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 Navajo

7. UNIT AGREEMENT NAME
 N/A

8. FARM OR LEASE NAME
 Ollie-Federal

9. WELL NO.
 22-11

10. FIELD AND POOL, OR WILDCAT
 Ollie (Wildcat)

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Section 11-39S-24E

12. COUNTY OR PARISH
 San Juan

13. STATE
 Utah

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

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 2130'

16. NO. OF ACRES IN LEASE
 320

17. NO. OF ACRES ASSIGNED TO THIS WELL
 40

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

19. PROPOSED DEPTH
 6330'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5112' GL (graded)

22. APPROX. DATE WORK WILL START*
 3rd Quarter, 1988

RECEIVED
 APR 12 1988
 DIVISION OF OIL, GAS & MINING

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4	9-5/8	36 #	2,000'	Cement to sfc w/560 SX
8-3/4	5-1/2	15.5#	6,330'	Single stage. TOC @ 5200'.
				Caliper log + 20% excess

CONFIDENTIAL INFORMATION

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

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 J.R. Hain TITLE Regional Drilling Engineer DATE 4/6/88
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY _____ TITLE _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

LCR

RECEIVED
JUL 11 1988

Form 3160-3
(November 1983)
(formerly 9-331C)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

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

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
 MERIDIAN OIL INC.

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface SENW (2130' FNL - 2350' FWL)
 At proposed prod. zone Same

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

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)	2130'	16. NO. OF ACRES IN LEASE	320	17. NO. OF ACRES ASSIGNED TO THIS WELL	40
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	-	19. PROPOSED DEPTH	6330'	20. ROTARY OR CABLE TOOLS	Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5112' GL (graded)

22. APPROX. DATE WORK WILL START*
 3rd Quarter, 1988

23. PROPOSED CASING AND CEMENTING PROGRAM

5. LEASE DESIGNATION AND SERIAL NO.
 U-56188

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 Navajo

7. UNIT AGREEMENT NAME
 N/A

8. FARM OR LEASE NAME
 Ollie-Federal

9. WELL NO.
 22-11

10. FIELD AND POOL, OR WILDCAT
 Ollie (Wildcat)

11. SEC., T., E., M., OR BLEK. AND SURVEY OR AREA
 Section 11-39S- 24E

12. COUNTY OR PARISH	13. STATE
San Juan	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 J.R. Hansen TITLE Regional Drilling Engineer DATE 4/6/88

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY /s/ Gary L. Hansen/VB TITLE Acting District Manager DATE 7/6/88

FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A
DATED: 1/1/80
CC: SJCA 1/1/88

CONDITIONS OF APPROVAL ATTACHED

*See Instructions On Reverse Side

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

DOG M

Meridian Oil Inc.
Well No. Ollie Federal 22-11
Sec. 11, T. 39 S., R. 24 E.
San Juan County, Utah
Lease U-56188

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.

Meridian Oil Inc. is the bonded entity on this application. Liability will remain with the bonded party named until we are formally notified by letter of the new bonded entity in reference to this Application for Permit to Drill.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

RECEIVED
OCT 27 1988

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
BTA OIL PRODUCERS

3. ADDRESS OF OPERATOR
104 South Pecos, Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
2,130' FNL & 2,350' FWL (SE/NW)

14. PERMIT NO.
7/6/88

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5,112' GR (graded)

5. LEASE DESIGNATION AND SERIAL NO.
U-56188

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
McCracken

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Wildcat (Desert Creek)

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 11, T-39-S, R-24-E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

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

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

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

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

Transfer of APD from Meridian Oil Inc.
APD approved 7/6/88.
Amended #8 lease name and #9 well # from Ollie-Federal #22-11.

CONFIDENTIAL

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

SIGNED Dorothy Naughton TITLE Regulatory Supervisor DATE 10/25/88

(This space for Federal or State office use)

APPROVED BY 43-037-31460 TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: _____

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

DATE: 11-25-88

BY: John R. Bay

WELL SPACING: R/LB-3-3

*See Instructions on Reverse Side



MIDLAND PARTNERS
CARLTON BEAL
CARLTON BEAL, JR.
BARRY BEAL
SPENCER BEAL
KELLY BEAL

BTA OIL PRODUCERS
104 SOUTH PECOS
MIDLAND, TEXAS 79701
AC 915-682-3753

ROCKY MOUNTAIN DIVISION
555-17TH STREET
SUITE 835
DENVER, CO 80202
AC 303-292-9299

DENVER PARTNER
BARRY BEAL, JR.

October 25, 1988

RE: Application for Exception to R615-3-2
BTA - McCracken No. 1
2130' FNL & 2350' FWL
Sec. 11, T-39-S, R-24-E
San Juan Co., Utah

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS & MINING
3 Triad Center, Suite 350
355 W. North Temple
Salt Lake City, Utah 84130-1203

RECEIVED
OCT 27 1988

Attn: Lisha Romero

DIVISION OF
OIL, GAS & MINING

Lisha:

BTA hereby requests administration approval for an exception to R615-3-2, location and siting of wells, for the above referenced well. The original application for this well was made by Meridian Oil, Inc. which has been transferred to BTA Oil Producers.

This exception is required due to topographic reasons that were determined at the onsite inspection with the BLM, BIA and Meridian personnel on 3-1-88.

BTA holds a farm-in from Coastal Oil and Gas for the N/2 of Sec. 11 and holds the lease for the S/2 of this section. Therefore, BTA holds the 460' radius around our proposed well bore.

Should further information be necessary to grant this exception, please advise.

Sincerely,


DOROTHY HOUGHTON
For BTA Oil Producers

xc: Form 3160-5
DH:as



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

November 2, 1988

BTA Oil Producers
104 South Pecos
Midland, Texas 79701

Gentlemen:

Re: McCracken #1 - SE NW Sec. 11, T. 39S, R. 24E - San Juan County, Utah
2130' FNL, 2350' FWL

Approval to drill the referenced well is hereby granted in accordance with Rule R615-3-3, Oil and Gas Conservation General Rules.

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 OGC-8-X.
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 R615-3-22, Gas Flaring or Venting, Oil and Gas Conservation General Rules.
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.

Page 2
BTA Oil Producers
McCracken #1
November, 2, 1988

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 43-037-31460.

Sincerely,



R. J. Pirth
Associate Director, Oil & Gas

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

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

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

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		<div style="font-size: 2em; font-weight: bold; opacity: 0.5;">RECEIVED</div> <div style="font-size: 1.2em; font-weight: bold;">NOV 04 1988</div> <div style="font-size: 0.8em; font-weight: bold;">DIVISION OF OIL, GAS & MINING</div>	5. LEASE DESIGNATION AND SERIAL NO. U-56188
2. NAME OF OPERATOR MERIDIAN OIL INC.			6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo
3. ADDRESS OF OPERATOR P. O. Box 1855, Billings, MT 59103			7. UNIT AGREEMENT NAME N/A
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface SENW (2130' FNL - 2350' FWL)			8. FARM OR LEASE NAME Oillie-Federal
14. PERMIT NO. 43-037-31460			9. WELL NO. 22-11
15. ELEVATIONS (Show whether DP, RT, OR, etc.) 5112' GL (graded)			10. FIELD AND POOL, OR WILDCAT Oillie (Wildcat)
			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 11, T39S, R24E
			12. COUNTY OR PARISH San Juan
			13. STATE Utah

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

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

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.)*

Change of Operator from: Meridian Oil Inc.
P.O. Box 1855
Billings, MT 59103

to: BTA Oil Producers
104 South Pecos
Midland, TX 79701

Effective October 19, 1988.

BTA Oil Producers has agreed to assume all APD obligations. Meridian Oil Inc. has no liability for BTA operations.

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

SIGNED D. R. Hani TITLE Regional Drilling Engineer DATE 11/2/88

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: _____

BLM (3), UOGM (3), BTA (1), Bill Mitchell

*See Instructions on Reverse Side



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WATER RIGHTS

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

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

RECEIVED
DEC 15 1988

DIVISION OF
OIL, GAS & MINING

December 9, 1988

CONFIDENTIAL

BTA Oil Producers
104 South Pecos
Midland, TX 79701

Dear Applicant:

RE: TEMPORARY APPLICATION
NUMBER 09-1617 (T63667)

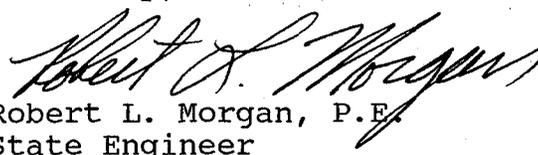
Enclosed is a copy of approved Temporary Application Number 09-1617 (T63667). This is your authority to construct your works and to divert the water for the uses described.

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 December 9, 1989, 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

RECEIVED

DEC 14 1988

FILING FOR WATER IN THE STATE OF UTAH

NOV 2 1988

NOV 17 1988

Rec. by L.K.

Fee Rec. 30.00

Receipt # 25279

WATER RIGHTS APPLICATION TO APPROPRIATE WATER RIGHTS

Microfilmed

Roll #

DIVISION OF OIL, GAS & MINING

TEMPORARY

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 of Title 73, Chapter 3 of the Utah Code Annotated (1953, as amended).

CONFIDENTIAL

* WATER RIGHT NO. 09 - 167 APPLICATION NO. A T63667

1. *PRIORITY OF RIGHT: November 17, 1988 * FILING DATE: November 17, 1988

2. OWNER INFORMATION

Name(s): BTA OIL PRODUCERS * Interest: %

Address: 104 South Pecos

City: Midland State: Texas Zip Code: 79701

Is the land owned by the applicant? Yes No X

(If "No", please explain in EXPLANATORY section.)

3. QUANTITY OF WATER: cfs and/or 3.0 ac-ft

(Well No.)

4. SOURCE: Hatch Trading Post (30-955) * DRAINAGE:

which is tributary to

which is tributary to

POINT(S) OF DIVERSION: COUNTY: San Juan

Section 13, T-39-S, R-24-E

S. 3913 ft. & W. 1055 ft. from NE Cor. Sec. 13, T39S, R24E, SLB&M.

Description of Diverting Works: Pump truck (80-100 bbl capacity) 8-5/8" diameter well, 566 ft.

* COMMON DESCRIPTION: Hatch Trading Post (Hatch Trading Post Quad) deep

5. POINT(S) OF REDIVERSION

The water will be rediverted from at a point:

Description of Rediverting Works:

6. POINT(S) OF RETURN

The amount of water consumed will be cfs or 3.0 ac-ft

The amount of water returned will be cfs or ac-ft

The water will be returned to the natural stream/source at a point(s):

7. STORAGE

Reservoir Name: 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

8. List any other water rights which will supplement this application NONE

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: Oil & Gas Drilling	From <u>12-1-88</u>	to <u>2-1-89</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 & Gas well drilling

11. PLACE OF USE

Legal description of place of use by 40 acre tract(s):
McCracken Well #1, 2130' FNL & 2350' FWL 43-037-31460 DM.
Sec. 11, T-39-S, R-24-E
(SE 4/NW 4)
S. 2130 ft. & E. 2350 ft. from NW Cor. Sec. 11, T39S, R24E, SLB&M (SE 1/4 NW 1/4).

12. EXPLANATORY

The following is set forth to define more clearly the full purpose of this application. (Use additional pages of same size if necessary):

The surface at the drillsite is owned by the Navajo tribe.
The water will be trucked from a private source - Hatch Trading Post-
Hauled and purchased by Sunco Trucking Company.

 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).

Dorothy Vaughton
 Signature of Applicant(s)

TEMPORARY

STATE ENGINEER'S ENDORSEMENT

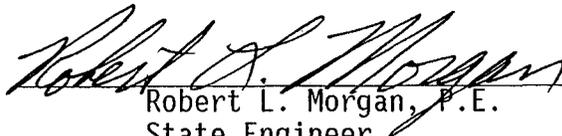
WATER RIGHT NUMBER: 09 - 1617

APPLICATION NO. T63667

1. November 17, 1988 Application received.
 2. November 18, 1988 Application designated for APPROVAL by MP and KLJ.
 3. Comments:
-
-

Conditions:

This application is hereby APPROVED, dated December 9, 1988, subject to prior rights and this application will expire on December 9, 1989.


Robert L. Morgan, P.E.
State Engineer

DIVISION OF OIL, GAS AND MINING

SPODDING INFORMATION

API NO. 43-037-31460

NAME OF COMPANY: BTA OIL PRODUCERS

WELL NAME: McCRACKEN #1

SECTION SENW 11 TOWNSHIP 39S RANGE 24E COUNTY SAN JUAN

DRILLING CONTRACTOR COLEMAN

RIG # 2

SPODDED: DATE 1/19/89

TIME 3:00 a.m.

How ROTARY

CONFIDENTIAL

DRILLING WILL COMMENCE _____

REPORTED BY DOROTHY HOUGHTON

TELEPHONE # (915) 682-3753

DATE 1/19/89 SIGNED TAS

RECEIVED
JAN 23 1989

OPERATOR BTA OIL PRODUCERS
 ADDRESS 104 South Pecos
Midland, Texas 79701

OPERATOR CODE No310
 PHONE NO. (915) 682-3753

**DIVISION OF
 OIL, GAS & MINING**

OPERATORS MUST COMPLETE FORM UPON SPUDDING NEW WELL OR WHEN CHANGE IN OPERATIONS OR INTERESTS NECESSITATES CHANGE IN EXISTING ENTITY NUMBER ASSIGNMENT.

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	10965	43-037-31460	McCracken #1	SE/NW	11	39-S	24-E	San Juan	1-19-89	
COMMENTS: Federal-Lease Field-wildcat Not in a Unit Proposed Zone- Akah (only well in sec. 11, assign entity 10965 on 1-25-89) for											
COMMENTS:											
COMMENTS:											
COMMENTS:											
COMMENTS:											

- ACTION CODES:**
- 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)

(SEE INSTRUCTIONS ON BACK OF FORM)

Dorothy Houghton
 SIGNATURE DOROTHY HOUGHTON
 Reg. Administrator 1/19/89
 TITLE DATE

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

RECEIVED
FEB 23 1989

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Dry		5. LEASE DESIGNATION AND SERIAL NO. U-56188
2. NAME OF OPERATOR BTA OIL PRODUCERS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo Tribe
3. ADDRESS OF OPERATOR 104 South Pecos Midland, Texas 79701		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State law or regulation. See also space 17 below.) At surface 2,130' FNL & 2,350' FWL		8. FARM OR LEASE NAME McCracken
14. PERMIT NO. 43-037-31460		9. WELL NO. 1
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5,112' GR 5,125' RKB		10. FIELD AND POOL, OR WILDCAT Wildcat (Desert Creek)
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 11, T-39-S, R-24-E
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.)*		12. COUNTY OR PARISH San Juan
		13. STATE Utah

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

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

PULL OR ALTER CASING
MULTIPLE COMPLETE
ABANDON*
CHANGE PLANS

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

REPAIRING WELL
ALTERING CASING
ABANDONMENT*

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

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

2-3-89 TD 6,325' Spotted P&A plugs as follows:
Plug #1: 253 sx 6,320' - 5,868'
Plug #2: 122 sx 2,204' - 2,004'
WOC

2-4-89 Tested Plug #2 to 700 psi - OK.
Plug #3: 20 sx 50' - surface
Well P&A 9:15 A.M. 2/4/89
Rig Released 12:00 P.M.

CONFIDENTIAL

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

SIGNED Rosally Naughton

TITLE Regulatory Administrator

DATE 2/8/89

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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

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

2. NAME OF OPERATOR
BTA Oil Producers

3. ADDRESS OF OPERATOR
104 S. Pecos Midland, TX 79701

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

At surface 2130' FNL & 2350' FWL

At top prod. interval reported below

At total depth

RECEIVED
FEB 29 1989

DIVISION OF
OIL, GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.

U-56188

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo Tribe

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

McCracken

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat (Desert Creek)

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

Sec. 11, T-39-S, R-24-E

14. PERMIT NO. 43-037-31460
DATE ISSUED 7-6-88

12. COUNTY OR PARISH San Juan
13. STATE Utah

15. DATE SPUNDED 1-19-89
16. DATE T.D. REACHED 2-1-89
17. DATE COMPL. (Ready to prod.) 2-4-89 (P&A)
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5112' GR 5125' KB
19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 6325
21. PLUG, BACK T.D., MD & TVD
22. IF MULTIPLE COMPL., HOW MANY*
23. INTERVALS DRILLED BY
ROTARY TOOLS 6325
CABLE TOOLS

24. PRODUCING INTERVAL(S). OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Sonic - DI - DN - GR

27. WAS WELL CORED

No

CONFIDENTIAL

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8	18#	65'	17-1/2"	100 sx - Circ	
9-5/8	36#	2104	12-1/4	1000 sx - Circ	

29. LINER RECORD

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

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

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

35. LIST OF ATTACHMENTS

3160-5 - 2 sets of logs - BLM - 1 set - State

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

SIGNED Dorothy Houghton TITLE Regulatory Administrator DATE 2/16/89

Dorothy Houghton

(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, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS	
				NAME	TOP MEAS. DEPTH TRUE VERT. DEPTH
Ismay	5984	6096	<p>DST #1 Tool open 70 min.-rec. 30' of mud</p> <p>Pressure: IH = 2866 psi 10 min. PF = 39.5 psi 60 min. ISI = 39.5 psi 60 min. FF = 39.5 psi 120 min. FSI = 39.5 psi FH = 2853 psi</p> <p>DST #2</p> <p>Tool open 70 min.-rec. 30' of mud</p> <p>Pressure: IH = 3025 psi 10 min. PF = 26-26 psi 60 min. ISI = 66 psi 60 min. FF = 26-40 psi 120 min. FSI = 105 psi FH = 3012 psi</p>	Chinle Shanarump Cutler Hermosa Upper Ismay Lower Ismay Desert Creek Akah	2059 2915 3022 4992 5968 6124 6205 6315
Desert Creek	6225	6284			

OIL AND GAS	
DRN	RJF
JRB	GLH
DTS	SLS
1-TAS	
2- MICROFILM	
3- FILE	