

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG _____ ELECTRIC LOGS _____ FILE X WATER SANDS _____ LOCATION INSPECTED _____ SUB. REPORT/abd. _____

DATE FILED 1-14-80

LAND: FEE & PATENTED _____ STATE LEASE NO. _____ PUBLIC LEASE NO. U-37246-A INDIAN _____

DRILLING APPROVED: 5-29-80

SPUDDED IN: _____

COMPLETED: _____ PUT TO PRODUCING: _____

INITIAL PRODUCTION: _____

GRAVITY A.P.I. _____

GOR: _____

PRODUCING ZONES: _____

TOTAL DEPTH: _____

WELL ELEVATION: _____

DATE ABANDONED: 12-12-80 *Location Abandoned (Well Never Drilled)

FIELD: WILDGAT 3/86 Pariette Bench

UNIT: _____

COUNTY: UINTAH

WELL NO. FEDERAL #12-30B API NO. 43-047-30713

LOCATION 1610' FT. FROM ~~XX~~ (S) LINE. 1206' FT. FROM ~~XX~~ (W) LINE. NW SW 1/4 - 1/4 SEC 30

12

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
------	------	------	----------	------	------	------	----------

9S	19E	30	MAPCO PRODUCTION CO.
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FILE NOTATIONS	
Entered in NID File <input checked="" type="checkbox"/>	Checked by Chief _____
Entered on SR Sheet _____	Copy NID to Field Office _____
Location Map Filled _____	Approval Letter _____
Card Indexed <input checked="" type="checkbox"/>	Disapproval Letter _____
IWR for State or Fee Land _____	
COMPLETION DATA:	
Date Well Completed _____	Location Inspected _____
OW _____ WW _____ TA _____	Soil released _____
GW _____ OS _____ PA _____	State of Fee Land _____
LOSS FILED	
Driller's Log _____	
Electric Logs (No.) _____	
L _____ L _____ F-I _____ GR _____ GR-N _____ Misc _____	
Lat _____ MBL _____ Seals _____ Others _____	

6-15-90 JH

12

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 GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 MAPCO PRODUCTION COMPANY
 ALPINE EXECUTIVE CENTER

3. ADDRESS OF OPERATOR
 1643 LEWIS AVE. SUITE 202
 BILLINGS, MT 59102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface 1206' FWL & 1610' FSL
 At proposed prod. zone NW SW Sec. 30, T. 9 S., R. 19 E.

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 21 miles SE of Myton

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1206'

16. NO. OF ACRES IN LEASE 640

17. NO. OF ACRES ASSIGNED TO THIS WELL 640

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 5400 9277'

19. PROPOSED DEPTH 5400 9277'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4830' GL ungraded

22. APPROX. DATE WORK WILL START* 3-15-80

5. LEASE DESIGNATION AND SERIAL NUMBER
 U-37246

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.
 Federal 12-30B

10. FIELD AND POOL, OR WILDCAT
 Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 30, T. 9 S., R. 19 E.

12. COUNTY OR PARISH
 Uintah

13. STATE
 Utah

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48# H-40	150'	Cement to surface
12-1/4"	8-5/8"	24 & 32# K-55	4000'	Cement to surface
7-7/8"	5-1/2"	15.5 & 17# K-55 & N-80	9277'	Cement to 3500'±

1. Drill a 17-1/2" hole with air rig to 150', run 13-3/8", 48#, H-40 casing and cement to surface. Release air rig and rig up big rig.
2. NU and pressure test to 3000 psi WP BOP stack (see Fig. 1) prior to drilling out below surface pipe.
3. Test pipe ram daily and blind ram operation as possible.
4. Drill a 12-1/4" hole to 4000', run 24# and 32#, 8-5/8", K-55 casing. Cement to surface. A fresh water mud system will be used. No coring or DST's are planned.
5. NU and pressure test BOP stack prior to drilling out.
6. Drill a 7-7/8" hole to 9277', using a salt water mud system.
7. A mud logger will be used from 150' to T.D.
8. Run logs and set 5-1/2", 15.5# and 17#, K-55 and N-80 casing. Cement to 3500'.
9. The main objective zones are the Green River, Wasatch, and Mesaverde.

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 Richard Baumann TITLE Engineering Technician DATE 1-8-80

(This space for Federal or State office use)

PERMIT NO. 43-047-30713 APPROVAL DATE 5/28/80

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING

DATE: _____ BY: See entry change of 5/28/80

*See Instructions On Reverse Side

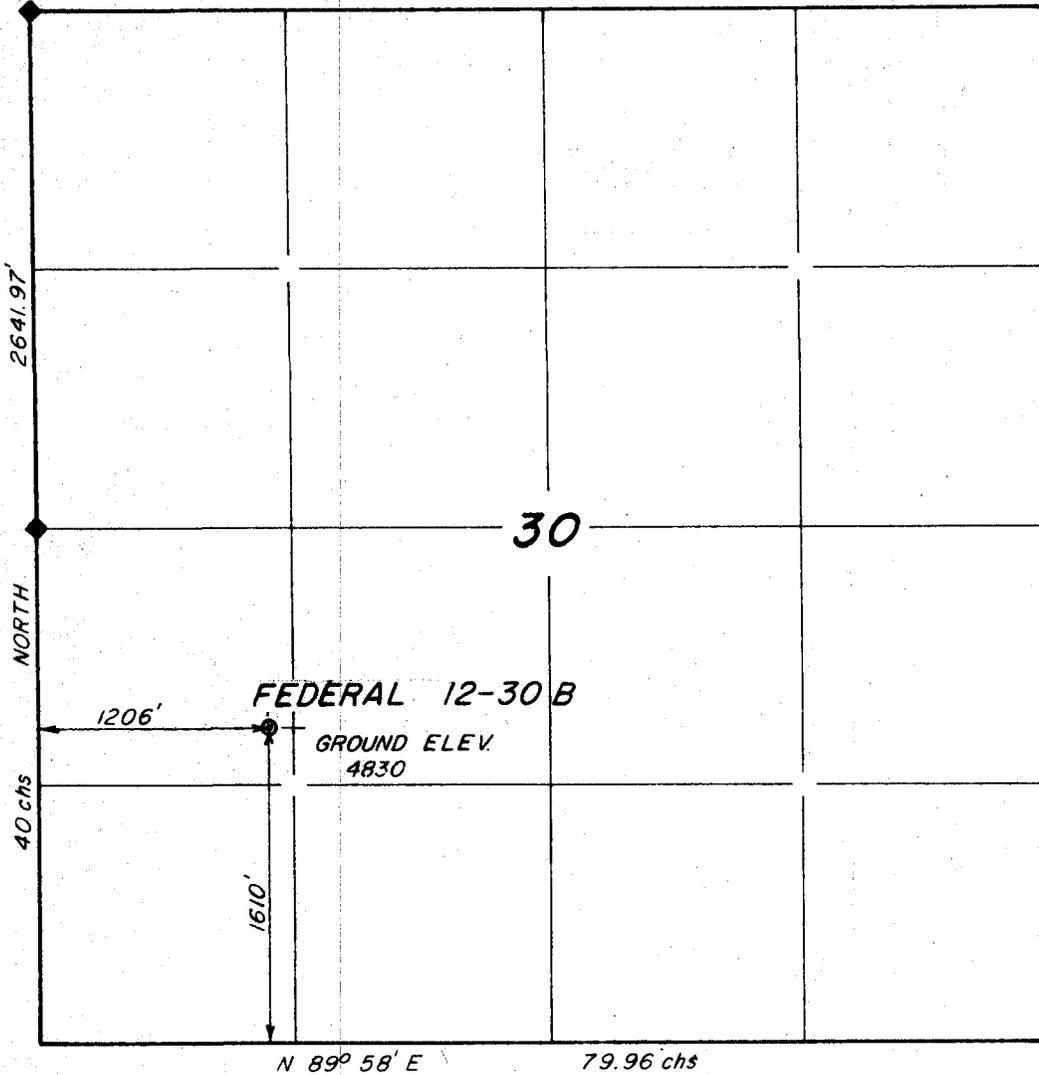
RECEIVED
JAN 14 1980

DIVISION OF OIL, GAS & MINING

MAPCO INC.
WELL LOCATION
FEDERAL 12-30B

LOCATED THE NW₄ OF THE SW₄ OF
 SEC. 30, T9S, R19E, S.L.B.&M.

Exhibit A



LEGEND & NOTES

- ◆ SECTION CORNERS FOUND AND USED.

GENERAL LAND OFFICE NOTES AND PLAT WERE USED FOR REFERENCE AND CALCULATIONS.

SURVEYOR'S CERTIFICATE

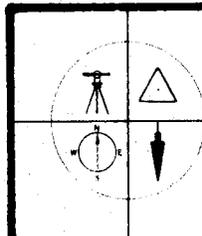
I hereby certify that this plat was prepared from field notes of an actual survey performed by me, during which the shown monuments were found or established.

Jerry D. Allred
 Jerry D. Allred, Registered Land Surveyor, Cert. NO. 3817 (Utah)



REV. 10 DEC. '79

79-128-014 20 NOV '79



JERRY D. ALLRED & ASSOCIATES
 Surveying & Engineering Consultants

121 North Center Street
 P.O. Drawer C
 DUCHESNE, UTAH 84021
 (801) 738-5352

MULTI-POINT REQUIREMENTS TO ACCOMPANY APD

Attached to Form 9-331C

COMPANY: MAPCO PRODUCTION COMPANY-

WELL: Federal 12-30B

WELL LOCATION: 1206' FWL & 1610' FSL

Section 30, T. 9 S., R. 19 E.

County: Uintah

State: Utah

1. Existing Roads

- A. The proposed well site and elevation plat is shown as Exhibit A.
- B. Location is as shown in Exhibit E.
- C. An access road of about .5 mi. will be needed to reach the location from the existing road as shown in red on Exhibit E.
- D. All existing roads are shown on Exhibit C.
- E. There is no anticipated construction on any existing roads to improve them

2. Planned Access Roads

1. Width: Maximum of 30' right-of-way with road bed being approximately 16'-18', and remainder of right-of-way to be used for borrow ditches.
2. Maximum grade: 8%
3. Turnouts: None
4. Drainage design: Drain ditches along either side of the road, where necessary for drainage with material from borrow ditch used to build crown of road. As per meeting with BLM, BIA & USGS on May 3, 1979. No speed curves on hills.
5. Culverts: None
6. Surface materials: Native dirt.
7. Gates, cattleguards, fence cuts:

3. Location of Existing Wells

All existing wells known in the area are shown directly on Exhibit B within the one-mile radius.

1. Water wells: None
2. Abandoned wells: One
3. Temporarily abandoned wells: None
4. Disposal wells: None
5. Drilling wells: One
6. Producing wells: None
7. Shut-in wells: None
8. Injection wells: None
9. Monitoring or observation wells: None

4. Location of Existing and/or Proposed Facilities

A. The location of existing and/or proposed facilities, if any, owned or controlled by lessee/operator within the 1-mile radius will be shown on Exhibit E.

1. Tank batteries: None
2. Production facilities: See Exhibit D. Similar facilities are proposed on Federal 7-25A.
3. Oil gathering lines: None
4. Gas gathering lines: None

5. Injection Lines: None

6. Disposal Lines: None

B. It is contemplated that, in the event of production, all new facilities will be easily accommodated on the drill pad on the solid base of cut and not placed on the fill areas.

1. No flagging then will be needed.

2. The dimensions of the production facilities and the location of facilities is drafted on Exhibit D. If production is obtained, then the unused areas will be restored as later described.
3. Concrete as needed and any gravels needed will be purchased from private sources.
4. All pits will be fenced to minimize any hazard to sheep, cattle, antelope and other animals that graze the area. Flagging material will be used as needed, if water or other fluid is produced.
- C. Rehabilitation, whether the well is productive or dry, will be accomplished as soon as possible in those areas already described, and in accordance with Item 10 following.

5. Water Supply

Water source is shown on Exhibit C.

- A. Water to be used for drilling will be hauled by truck from Pariette Draw, which is located in the SW/4, Sec. 35, T. 9 S., R. 18 E.
- B. No pipelines are anticipated. Hauling will be on the road(s) shown in Exhibit C.
- C. No water well is anticipated to be drilled at this time.

6. Source of Construction Materials

- A. No construction material, insofar as drilling, will be needed.
- B. No construction materials will be obtained from Federal or Indian land.
- C. The native materials that will be used in the construction of this location site and access road will consist of sandy-clay soils and sandstone and shale materials gathered in actual construction of the road and location.
- D. Access roads crossing federal lands are shown under Item 2.

7. Handling Waste Disposals

1. Drill cuttings will be buried in the reserve pit when covered.
2. Drilling fluids will be handled in the reserve pit.
3. Any produced fluids during drilling tests or while making production tests will be collected in reserve pit.

MULTI-POINT REQUIREMENTS TO ACCOMPANY APD

Well:

4. Any sewage will be covered or removed and chemical toilets will be provided.
5. Garbage and other waste material will be enclosed in a wire mesh container, and then disposed of in an approved waste disposal facility.
6. After the rig moves out, all materials will be cleaned up and no adverse materials will be left on location. Any dangerous open pit will be fenced or covered.

8. Ancillary Facilities

No proposed airstrip, camp, or other facility will be build during the drilling or completion of this well.

±

9. Well Site Layout

1. Exhibit A is the drill pad layout on a scale of 1" = 40'.
2. & 3. Exhibit A is a layout of the drilling rig, pits, and burn pits. Parking and trailers will be along the SW side of the area as shown. The access road will be from the NW. Soil stockpiles are also shown on Exhibit A.
4. The reserve pit will not be lined. Steel mud pits may be used, at least in part, during drilling operaitons.

10. Plans for Restoration

1. Backfilling, leveling and gentle sloping is planned and will be accomplished as soon as possible after plugging or setting of production casing. Waste disposal and spoils materials will be buried or hauled away immediately after operations cease from drilling and/or completion.
2. The soil banked materials will be spread over the area and gentle sloping or contouring to meet the existing terrain. Revegetation will be by planting of native vegetation to the area or some other combination as recommended by BLM.

The access road to the drill pad will be revegetated, if needed. Any damage to present existing roads will be repaired as needed.

3. Prior to rig release, the pits will be fenced on the fourth side and so maintained until cleanup is accomplished. The reserve pit will have fencing on three sides during drilling.

Well:

4. If any oil is on the pits, and is not immediately removed after operations cease, then the pit will be flagged overhead to keep birds and fowl out.
5. The commencement of rehabilitation operations will begin as soon as possible after drilling ceases. Planting will be planned as suggested by BLM.

11. Other Information

1. Topography: The location is on a sandy clay soil which slopes toward the NW.

Soil Characteristics and Geologic features: The soils of this semi-arid area are of the Uinta and Duchesne River formation (The Fluvial Sandstone & Mudstone) from the Eocene Epoch and Quaternary Epoch (gravel surfaces) and the visible geologic structures consists of light brownish-gray clays (OL) to sandy soils (SM-ML) with poorly graded gravels and shales with out crops of rock (sandstone, mudstone, conglomerates and shales).

Flora: Areas of sagebrush, rabbitbrush, some grasses and cacti, and large areas of bare soils devoid of any growth.

Fauna: Is sparse but consists predominantly of the mule deer, coyotes, pronghorn antelope, rabbits, and varieties of small ground squirrels and other types of rodents, and various reptiles common to the area. Birds of the area are raptors, finches, ground sparrows, mag pies, crows and jays.

2. Type of surface use activity: Primary purpose is grazing domestic livestock.

Surface ownership of all involved lands: BLM

3. Proximity of usable water (Shown on Exhibit C):

Occupied dwellings (if any, shown on Exhibit E):

Archaeological or historical sites (if any, shown on Exhibit B):

A survey of the area was done by the Archeological Enviromental Research Corporation (AERC). All reports of their work is enclosed. No Archeological or Historical sites were found. See Exhibit B.

12. Lessee's or Operator's Representative

Frank E. Farnham
Regional Operations Superintendent
MAPCO PRODUCTION COMPANY
Suite 202, Alpine Executive Center
1643 Lewis Ave.
Billings, Montana 59102

or

Darwin Kulland
District Superintendent
MAPCO PRODUCTION COMPANY
P. O. Box 1360
Roosevelt, Utah

Phone: (406) - 248-7406
or
(406) - 656-4535

Phone: (801) - 722-4521

13. 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 condition which presently exist; that the statements made in this plan area, to the best of my knowledge true and correct; and, that the work associated with the operations proposed herein will be performed by MAPCO PRODUCTION COMPANY and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

January 9, 1980
DATE:


NAME: Frank E. Farnham

Regional Operations Superintendent
TITLE:

TEN-POINT COMPLIANCE PROGRAM OF NTL-6
APPROVAL OF OPERATIONS

Attached to Form 9-331C
Company: MAPCO PRODUCTION COMPANY
Well: Federal 12-30B
Well Location: 1206' FWL & 1610' FSL
Section 30, T. 9 S., R. 19 E.
County: State:

1. Geologic Surface Formation

UINTAH

2. Estimated Important Geologic Markers

<u>Formation</u>	<u>Depth</u>
Uintah	Surface
Green River	1802
Wasatch	5262
Chapita Wells	6022
Uteland Buttes	7172
Mesaverde	8342

3. Estimated Depths of Anticipated Water, Oil, Gas or Minerals

<u>Formation</u>	<u>Depth</u>	<u>Remarks</u>
Green River	2595	Water Zone
Green River	3995	Oil Zone
Wasatch	5262	Gas Zone
Mesaverde	8342	Gas Zone

4. The Proposed Casing Program

150'	Surface	13-3/8" 48# H-40	Cement to surface
4000'	Intermediate	8-5/8" 24# & 32# K-55	Cement to surface
9277'	Prod. String	5-1/2" 15.5# & 17# K-55 & N-80	Cement to 3500'±

5. The Operator's Minimum Specifications for Pressure Control

See Figure #1, attached.

BOP stack has a 3000 psi working pressure. BOP's will be pressure tested before drilling casing cement plugs.

Pipe rams will be operated daily and blind rams as possible.

6. The Type and Characteristics of the Proposed Circulating Muds

The well is to be drilled with a saltwater mud system maintaining a weight of approximately 9#/gal with weighting material on location sufficient to weight-up for pressure control.

7. The Auxiliary Equipment to be Used

- 1.) Kelly cock.
- 2.) Full opening valve on floor with DP connection for use when Kelly is not in string.
- 3.) Pit volume totalizer equipment will be used.

8. The Testing, Logging, and Coring Programs to be Followed

A mud logger will be used from surface to T.D. No drill stem tests or coring is anticipated. The logging program will include Dual Laterolog BHC Sonic-Neutron with F log, caliper, and G.R. from T.D. to 4000'. Gamma Ray will be run from T.D. to surface.

9. Any Anticipated Abnormal Pressures or Temperatures Expected

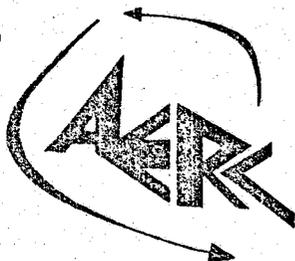
No abnormal pressures are anticipated nor is the area known for abnormal temperatures. The formations to be penetrated do not contain H₂S gas.

10. The Anticipated Starting Date and Duration of the Operations

Starting Date: 3-15-80

Duration: 30 days

NOV 27 1979



ARCHEOLOGICAL - ENVIRONMENTAL RESEARCH CORPORATION

588 West-800 South Bountiful, Utah 84010
Tel: (801) 292-7061 or 292-9668

November 26, 1979

Exhibit B

Fed. 12-30B

Subject: Archeological Survey of Three Proposed Drill
Locations and Access Roads in the Eightmile
Flat Locality, Uintah County, Utah

Project: Mapco Corporation - 1979 Drilling Exploration
Project in the Uintah Basin

Project No.: MPC-79-5

Dept. of Interior Permit No.: 79-Ut-061

To: Mr. Darwin Kulland, Mapco Corporation, P.O. Box
1360, Roosevelt, Utah 84066

✓ Mr. Gary L. Evertz, Mapco, Inc., Suite 320,
Plaza West, 1537 Avenue D., Billings, Montana
59102

Mr. Lloyd Ferguson, District Manager, Bureau of
Land Management, 170 South 500 East, Vernal,
Utah 84078

Info: Mr. Richard Fike, BLM Archeologist, Bureau of
Land Management, University Club Bldg., 136 East
South Temple, Salt Lake City, Utah 84111

GENERAL INFORMATION:

On November 13 and 16, 1979, archeologists V. Garth Norman, Denise Yearsley and Wesley Beckwith of AERC, conducted a cultural resources evaluation of three proposed drill locations with connecting access routes and pipeline routes. The survey was conducted in Sections 9, 14, 15, 16, 23, 24, 25, and 26 of Township 9 South, Range 18 East, and in Section 30 of Township 9 South, Range 19 East (see maps). All surfaces inspected are on land administered by the Bureau of Land Management, with one exception: the existing dirt road being considered for improvement passes through the northeast corner of Section 16 of Township 9 South, Range 18 East which is state land.

The archeologists walked parallel and zigzag transects 15 meters apart inspecting a 150-foot radius from the center stake of the drill locations; and also inspecting a 30-meter corridor for previously staked access roads and pipeline routes.

RESULTS AND RECOMMENDATIONS:

No cultural resources were observed during the survey. With compliance to the stipulations on the attached Bureau of Land Management form, AERC recommends a cultural resources clearance for Mapco, Inc.

V. Garth Norman (PSS)
V. Garth Norman
Staff Archeologist

F. R. Hauck, Ph.D. (PSS)
F. R. Hauck, Ph.D.
President

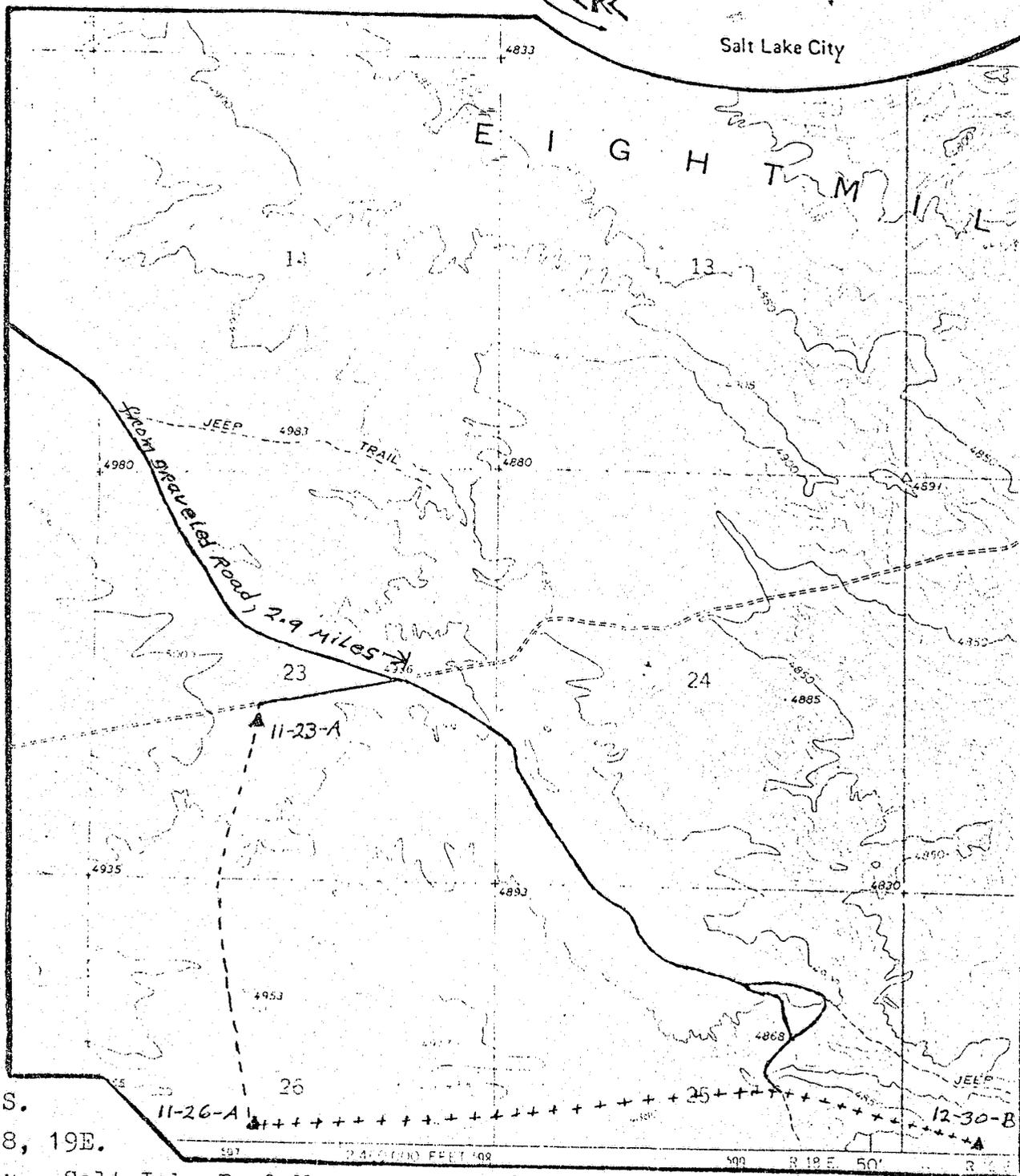
1. All vehicular traffic, personnel movement, and construction to be confined to the locations examined and to access roads leading into these locations.

2. All personnel refrain from collecting individual artifacts or from disturbing any cultural resources in the area.

3. A qualified archeologist be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the construction area.

AERK

Salt Lake City

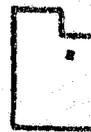


I. 9S.
R. 18, 19E.

Meridian: Salt Lake B. & M.

Quad:

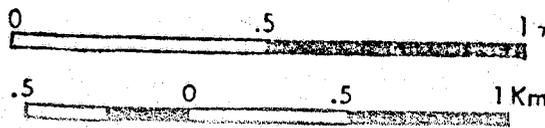
Uteland Butte,
Utah
7.5 Minute
USGS



Project: MPC-79-5
Series: Uintah Basin
Date: 11-26-79

PROPOSED DRILL LOCATIONS
AND ACCESS ROADS IN THE
EIGHTMILE FLAT LOCALITY,
UINTAH COUNTY, UTAH

- Legend:
- ▲ Proposed Drill Location
 - ~ Dirt Road to be Improved
 - +++ Proposed Access Road & Pipeline
 - Proposed Pipeline



Scale

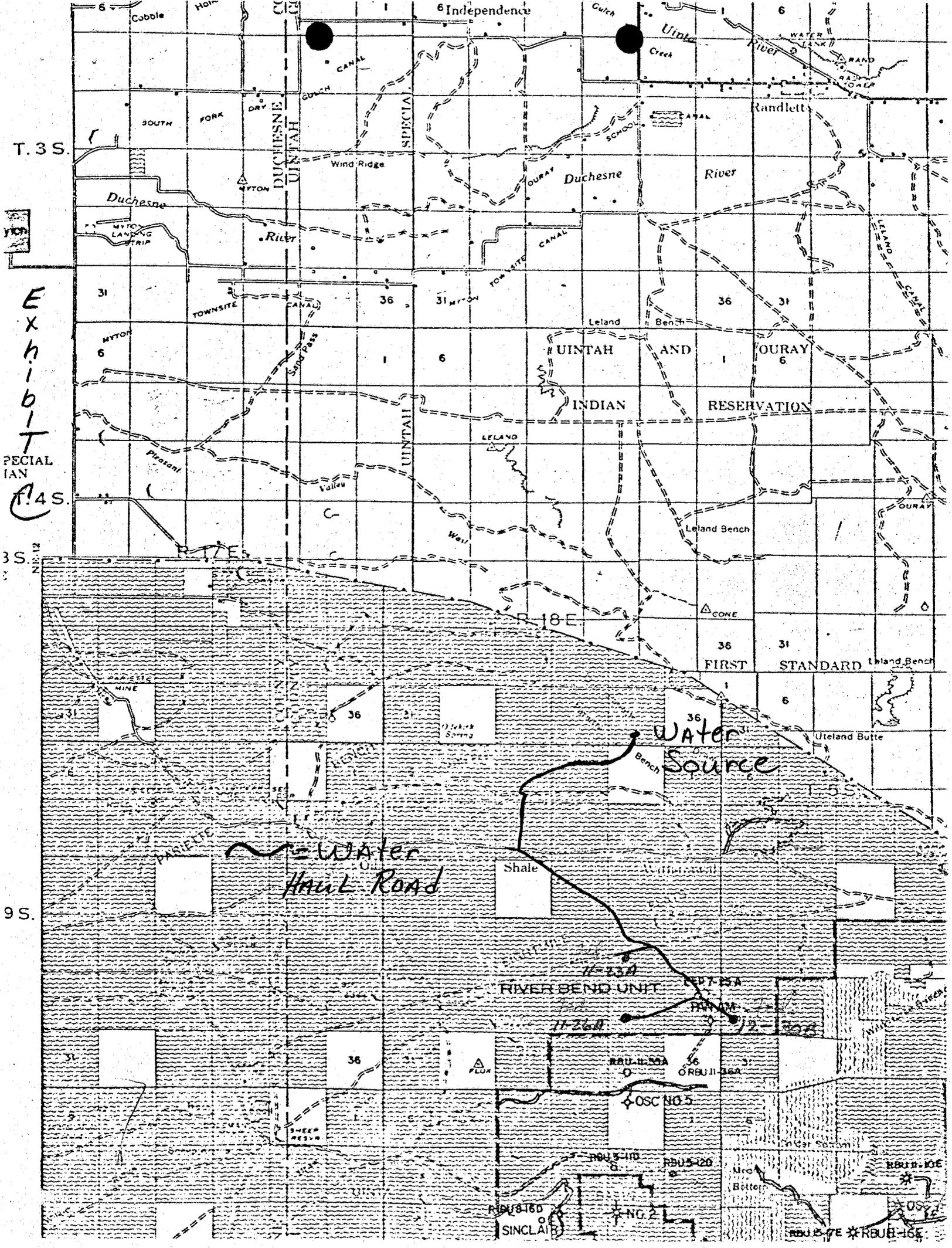


EXHIBIT
SPECIAL
PLAN
145

T. 3 S.

T. 4 S.

R. 18 E.

R. 19 E.

1 MILE

Scale bar

Subject

Federal 12-30B

Date 10-16-78

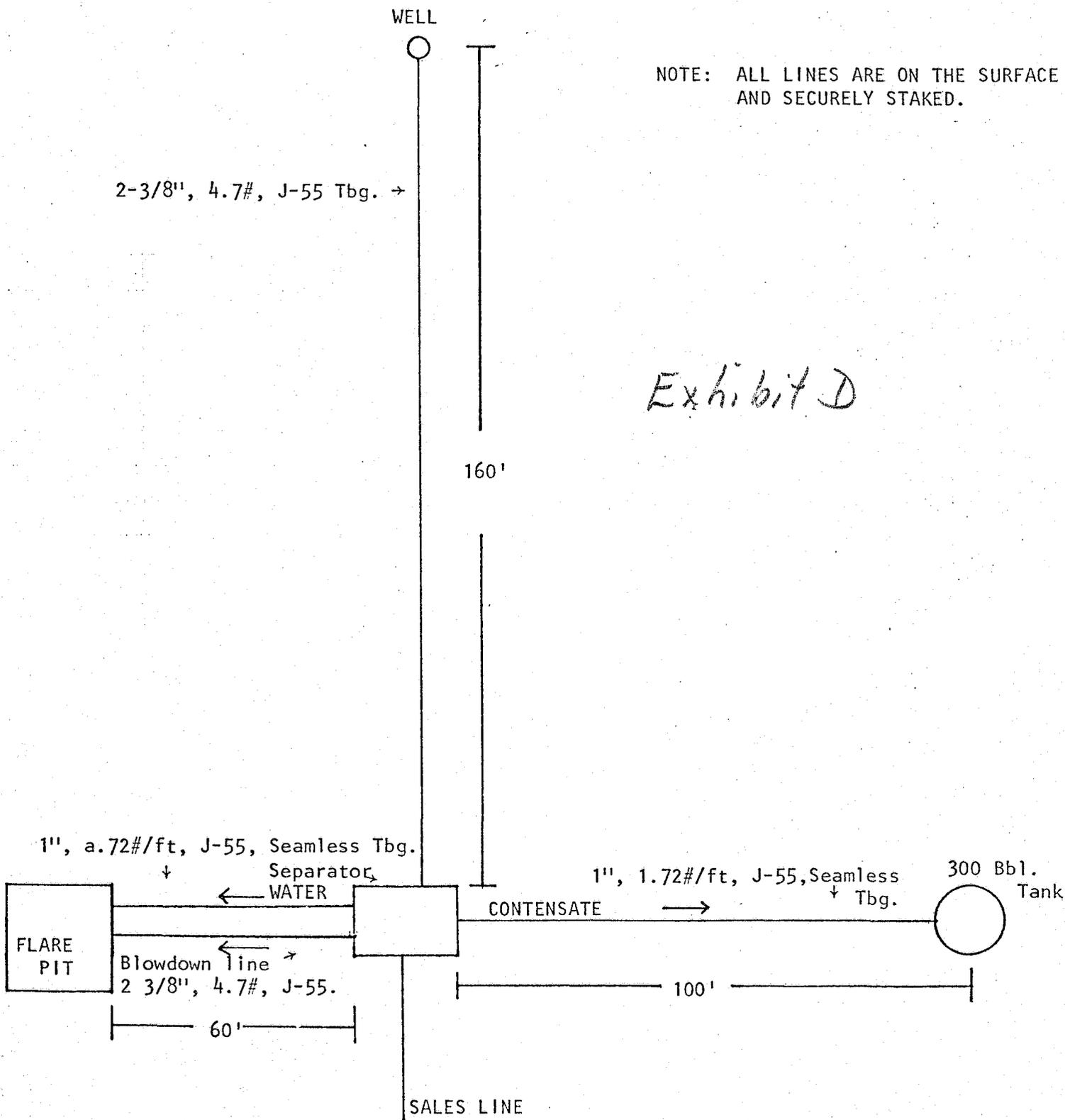
Sheet of

By GLE

ATTACHMENT NO. 2

NOTE: ALL LINES ARE ON THE SURFACE AND SECURELY STAKED.

Exhibit D



2-3/8", 4.7#, J-55 Tbg. →

160'

1", a.72#/ft, J-55, Seamless Tbg.

Separator

1", 1.72#/ft, J-55, Seamless Tbg.

300 Bbl. Tank

CONTENSATE

FLARE PIT

Blowdown line
2 3/8", 4.7#, J-55.

100'

60'

SALES LINE

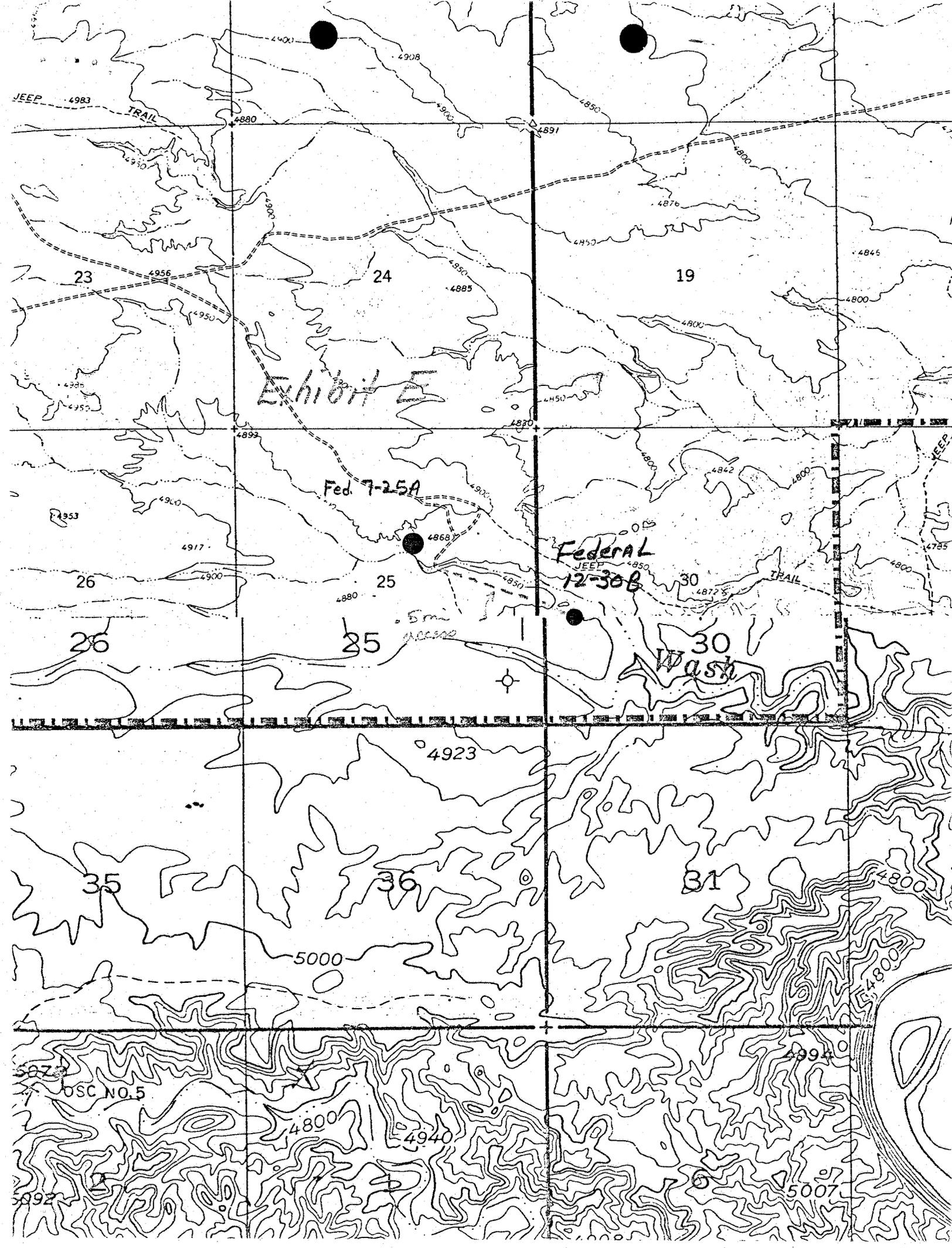


Exhibit E

Fed. 7-25A

Federal
JEEP
12-30B

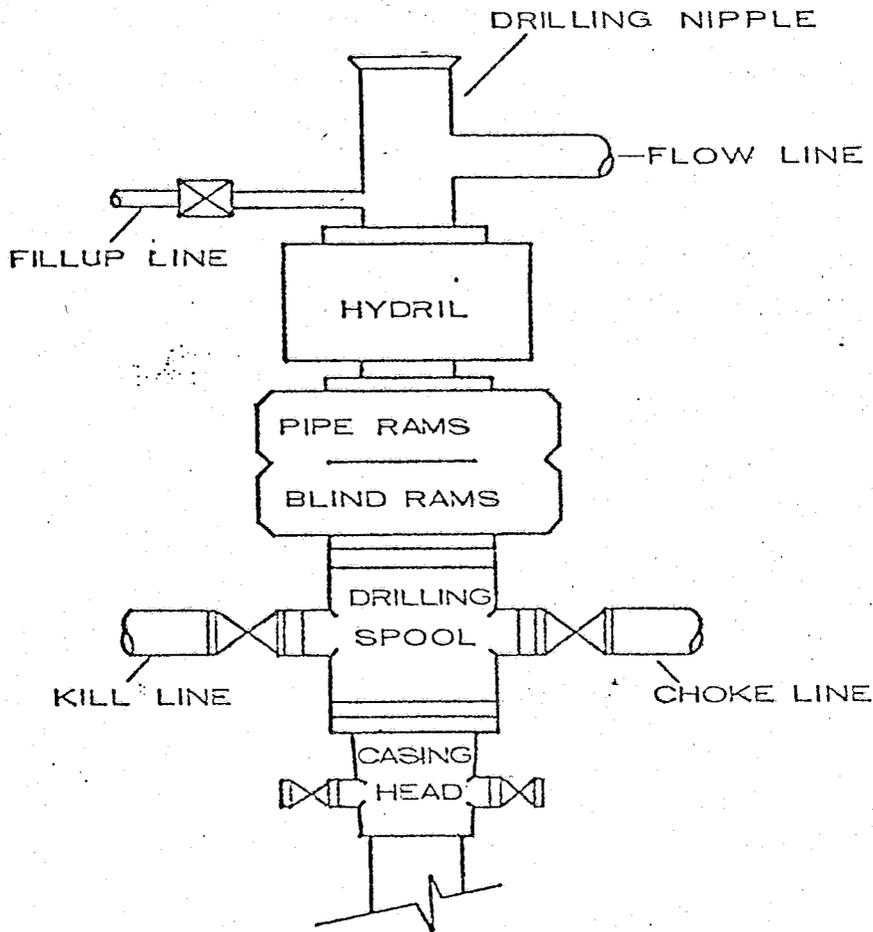
Wash

5 mi
ACCESS

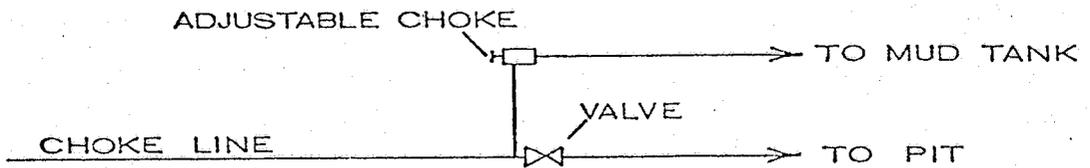
OSC NO. 5

FIGURE 1

BOP STACK



CHOKE MANIFOLD



U. S. GEOLOGICAL SURVEY - CONSERVATION DIVISION

FROM: : DISTRICT GEOLOGIST, ME, SALT LAKE CITY, UTAH

TO : DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-37246

OPERATOR: MAPCO PRODUCTION CO.

WELL NO. FEDERAL 12-30B

LOCATION: SE 1/2 NW 1/2 SW 1/2 sec. 30, T. 9 S., R. 19 E., SLM

VINTAH County, UTAH

1. Stratigraphy:
- 4830' ELEV. (VINTAH) PAN AMERICAN #1 UNIT IN SEC. 25, T. 9 S. R. 18 E.
 - + 4049 GREEN RIVER (<1 mi SW) REPORTS ELEVATIONS OF FORMATION TOPS AS SHOWN TO THE LEFT:
 - 364 WASATCH
 - 1192 CHAPITA WELLS REMAINING TOPS, ESTIMATED BY OPERATOR,
 - 2342 VTELAND BUTES. APPEAR REASONABLE:
 - 3512 MESA VERDE

2. Fresh Water:

POSSIBLE TO 3500', AS REPORTED BY DIV. WATER RESOURCES, USGS

3. Leasable Minerals:

VALUABLE PROSPECTIVELY FOR OIL SHALE, WHICH IS ANTICIPATED BETWEEN ABOUT 2200 AND 2700' IN DEPTH
GILSONITE VEINS POSSIBLE

4. Additional Logs Needed: NONE

5. Potential Geologic Hazards: POSSIBLE LEACHED ZONE BELOW OIL SHALE INTERVAL
COULD CAPTURE CIRCULATION

6. References and Remarks: .25 MI NORTH OF BITTER CREEK-RED WASH KGS
REF: USGS FILES

Signature: Owen Billingsley

Date: 1-25-80

DISCRIPTION OF PROPOSED ACTION

Proposed Action:

1. Location

County: Uintah

1206' FWL, 1610' FS L, NW 1/4 SW 1/4Section 30, T 9S, R 19E, SLB M

2. Surface Ownership Location: public

Access Road: public

Status of
Reclamation Agreements: Other, explain.

The Bureau of Land Management will be consulted with regard to any reclamation or rehabilitation of the location. The operator would agree to rehabilitate the location in a manner suitable to the BLM.

3. Dates APD Filed: January 14, 1980.APD Technically Complete: February 13, 1980.APD Administratively Complete: March 3, 1980

4. Project Time Frame

Starting Date: March 15, 1980.Duration of Drilling activities: 30 days.

A period of 30 to 60 days is normally necessary to complete a well for production if hydrocarbons are discovered. If a dry hole is drilled, recontouring and reseeding would normally occur within one year; revegetation or restoration may take several years. If the well is a producer, an indefinite period of time would occur between completion and rehabilitation.

5. Nearby pending actions which may affect or be affected by the proposed action:

MAPCO also plans to drill wells in Sections 24 and 26 of T.9S., R.18E. An onsite for the well to be in Section 26 was also conducted February 25.

6. Status of variance requests:

None known.

The following elements of the proposed action would/could result in environmental impacts:

1. A drill pad 190' wide x 400' long and a reserve pit 75' x 150' would be constructed. Approximately .5 mile of new access road, averaging 18 feet in width, would be constructed on a 32 foot wide right-of-way from a maintained road. 3.1 acres of disturbed surface would be associated with the project.
2. Drilling would be to a proposed depth of 9277 feet.

Environmental Considerations of the Proposed Action:

Regional Setting/Topography: The location is on a flat open area just west of a non-perennial stream channel with large rock outcrops rising to about 50 feet in height along the opposite bank of the stream channel.

PARAMETER

- A. Geology The surface formation is the Uintah Formation.

Information Source: The 10-Point Plan of the APD.

1. Other Local Mineral Resources to be Protected: Potentially valuable oil shales are present in the area. Gilsonite veins are also possible.

Information Source: Mining Report.

2. Hazards: No abnormal hazards such as H₂S gas are anticipated.

Information Source: The 10-Point Plan of the APD.

- a. Land Stability: There appears to be no more than minor problems.

Information Source: Onsite.

- b. Subsidence: There appears to be no more than minor problems.

Information Source: Onsite.

- c. Seismicity: This well is considered to be in an area of minor seismic risk.

Information Source: Geologic Atlas of the Rocky Mountain Association of Geologists, Denver, Colorado 1972.

d. High Pressure Zones/Blowout Prevention: No abnormal pressures are anticipated. The Operator's minimum specifications for pressure control are described in point 5 of the operators 10-Point Plan.

Information Source: The 10-Point Plan of the APD.

B. Soils:

1. Soil Character: The soil is a sandy clay well mixed shale and sandstone gravels.

Information Source: Onsite.

2. Erosion/Sedimentation: The location is near a sizeable non-perennial stream channel. The access road new construction will not cross any significant drainages.

Information Source: Onsite.

C. Air Quality: There would be minor impacts during drilling operations from increased dust levels and any flaring required to test the well.

Information Source: Onsite.

D. Noise Levels: During drilling operations noise levels would increase and could be an irritation to the wildlife in the area. No significant permanent impact is foreseen.

Information Source: Onsite.

E. Water Resources

1. Hydrologic Character

a. Surface Waters: This well would be located about 1.6 miles northwest of the Green River.

Information Source: APD.

b. Ground Waters: No water well is anticipated to be drilled at this time. An adequate casing program is outlined in the APD.

Information Source: APD.

2. Water Quality

a. Surface Waters: No significant impact is foreseen. Efforts will be made to prevent any spills from occurring at the location.

Information Source: APD.

b. Ground Waters: The potential for some pollution to groundwater does exist, but will be minimized by adhering to a suitable casing program, such as that outlined in the APD.

Information Source: APD.

F. Flora and Fauna

1. Endangered and Threatened Species Determination

Based on the BLM comments received from the Vernal BLM on February 27, 1980, we determine that there would be no effect on endangered and threatened species and their critical habitat.

2. Flora: Vegetation in the are consists primarily of sagebrush, shadscale and native grasses.

Information Source: Onsite.

3. Fauna: Animals known to be in the area are coyotes, mule deer, antelope, rodents, rabbits and various small reptiles. Birds of the area are raptors, finches, ground sparrows, magpies, crows and jays.

Information Source: Unit Resource Analysis, Duchesne Planning Unit, BLM, Vernal, Utah. APD 13-Point Plan.

G. Land Uses

1. General: Sheep grazing, oil and gas development and recreation are primary uses of the land. River expeditions often use part of the access route.

Information Source: Onsite information.

2. Affected Floodplains and/or Wetlands: None.

Information Source:, Onsite.

H. Aesthetics: The location is not visible from any major roads and would not presnet a major aesthetic intrusion into the area.

Information Source: Onsite.

I. Socioeconomics: This one well is unlikely to represent a significant impact. The cumulative impact of many wells is becoming significant in the area.

Information Source: Onsite.

J. Cultural Resources Determination: Based on the BLM comments received from the Vernal BLM on February 27, 1980, we determine that there would be no effect on cultural resources subject to the fact that apparently adequate archaeological surveys have been done for this location.

Information Source: BLM, Vernal and Mapco representative Darwin Kulland.

K. Other:

Information Source:

L. Adequacy of Restoration Plans: Restoration plans appear to be adequate for the Surface Management Agency. No significant objections have been raised.

Information Source: BLM stipulations.

Alternatives to the Proposed Action:

1. Disapproving the proposed action or no action - If the proposed action is denied, no action would occur, the existing environment would remain in its present state, the lessee/operator would not realize any return on investments and the public would be denied a potential energy source.
2. Approving the project with the recommended stipulations - Under federal oil and gas leasing provisions, the Geological Survey has a responsibility to approve mineral development if the environmental consequences are not too severe or irreversible. Permanent damage to the surface and subsurface would be prevented as much as possible under USGS and Surface Management Agency supervision. Environmental impacts would be significantly mitigated.

Adverse Environmental Effects:

1. If approved as proposed:
 - a. About 3.1 acres of vegetation would be removed, increasing and accelerating erosion potential.
 - b. Pollution of groundwater systems would occur with the introduction of drilling fluids into the aquifers. The potential for interaquifer leakage and lost circulation is ever-present, depending on the casing program.
 - c. Minor air pollution would be induced on a temporary basis due to exhaust emissions from rig engines and support traffic.
 - d. The potential for fires, leaks, spills of gas and oil or water exists.

e. During construction and drilling phases of the operation, noise and dust levels would increase.

f. Distractions from aesthetics during the lifetime of the project would exist.

g. Erosion from the site would eventually be carried as sediment in the Green River. The potential for pollution to Green River would exist through leaks and spills.

h. If hydrocarbons would be discovered and produced, further development of the area could be expected to occur, which would result in the extraction of irreplaceable resource, and further negative environmental impacts. These impacts include the cumulative loss of wildlife habitat due to the areas necessary for roads, pipelines, drillsites, and transmission lines. These actions may disrupt wildlife social behavior and force habitat relocation over an extended period of time. In addition, the cumulative effects of non-point erosion become substantial in a developing field, primarily those located near perennial streams where siltation and sedimentation are critical to aquatic life cycles.

Recommended Approval Conditions:

Drilling should be allowed, provided the following mitigative measures are incorporated into the proposed APD and adhered to by the operator:

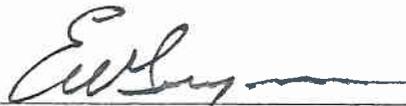
- ~~1. See attached Lease Stipulations.~~
2. See attached BLM Stipulations.
3. The reserve pit is to be redimensioned to be 75 feet by 150 feet rather than 150 feet by 175 feet as shown in the APD rig layout diagram.

Controversial Issues and Conservation Division Response:

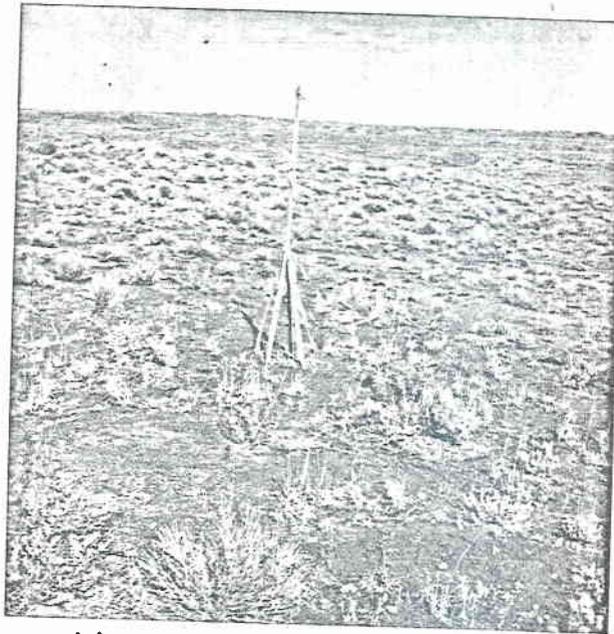
We have considered the proposed action in the preceding pages of this EA and find, based on the analysis of environmental considerations provided therein, no evidence to indicate that it will significantly (40 CFR 1508.27) impact the quality of the human environment.

Determination:

I determine that the proposed action (as modified by the recommended approval conditions) does not constitute a major Federal action significantly affecting the quality of the human environment in the sense of NEPA, Section 102 (2)(C).

 DISTRICT ENGINEER
Signature & Title of Approving Official

MAR 06 1980
Date



Mapco 12-30B
Sec. 30, T. 9 S. R. 19 E.
Facing North



United States Department of the Interior

IN REPLY REFER TO

T & R
U-801

BUREAU OF LAND MANAGEMENT
Vernal District Office
170 South 500 East
Vernal, Utah 84078

February 26, 1980

Ed Guynn, District Engineer
USGS, Conservation Division
8440 Federal Building
Salt Lake City, Utah 84138

Re: MAPCO Production Company
Well #11-26A Section 26, T9S, R18E.
~~Section 26, T9S, R18E.~~ Section 30, T9S, R19E.

Dear Mr Guynn:

A joint field examination, with personnel from the BLM, USGS and MAPCO Production Company, was made on February 25, 1980 of the above referenced well site locations and the proposed access roads. We feel that the surface use and operating plans are adequate with the following stipulations:

1. Construction and maintenance of roads and rehabilitation of disturbed areas shall be in accordance with surface use standards as set forth in the brochure, "Surface Operating Standards for Oil and Gas Exploration and Development."
- ✓ 2. Travelling off access road right-of-ways will not be allowed. Roads will be crowned and properly maintained by the operator. Turnouts will not be required.
3. A cattleguard will be necessary for the access road to well #11-26A.
- ✓ 4. The reserve pit for ~~well #12-30B~~ will be ^{redimensioned} shortened to at least 75'X150'.
- ✓ 5. A wire mesh or net type of fence will be used around the reserve pit with the pit being fenced on 3 sides prior to drilling operations.
- ✓ 6. Top soil will be stockpiled as addressed in the applicant's multi-point plan. ~~The BLM recommends that the~~ ^{well} top six (6) to eight (8) inches of soil materials be stockpiled at the site.
- ✓ 7. The BLM will be contacted at least 24 hours prior to any rehabilitation activities. At the time the operator may be informed of any additional needed seeding and restoration activities.



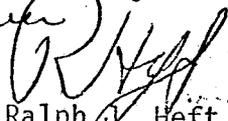
- ✓ 8. A location sign will be posted at the well site stating name of operator, township, range, section, well number, and lease number.

Archaeological clearances have been received by this office for these two proposed wells and their access roads.

The proposed activities do not jeopardize listed, threatened, or endangered flora/fauna or their habitats.

✓ Oil shale strip - Green River

Sincerely:


Ralph J. Heft
Diamond Mountain Area Manager

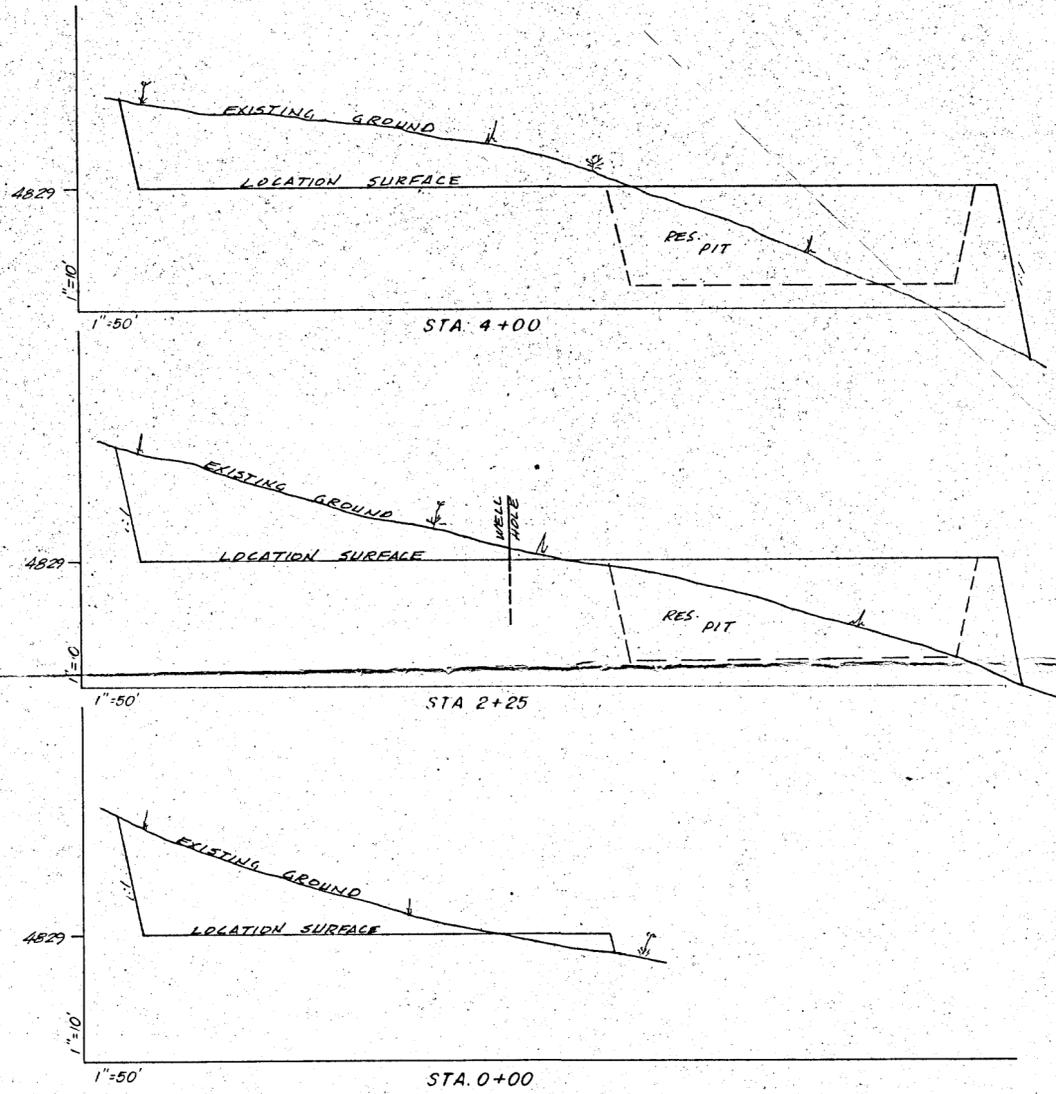
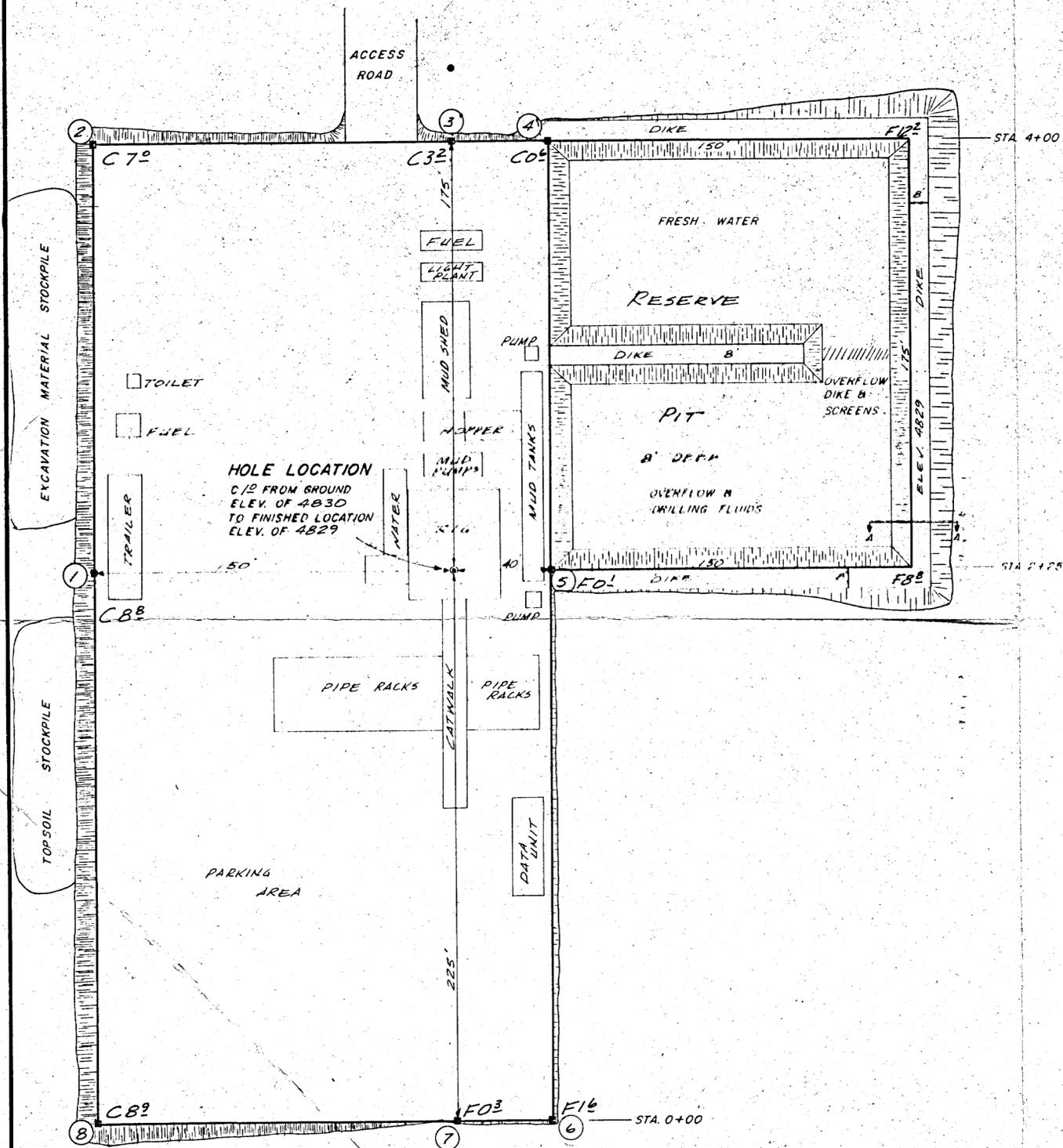
cc: USGS, Vernal

*done
24 Dec.*

MAPCO, INC.

FEDERAL 12-30B

LOCATED IN THE NW 1/4 OF THE SW 1/4 OF SECTION 30, T95, R19E, S.L.B. & M.

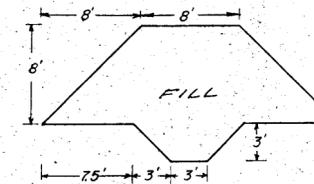


NOTES

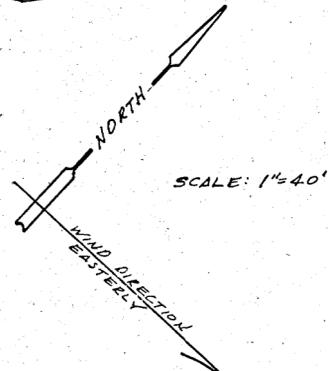
- OVERHEAD FLAGGING TO BE INSTALLED OVER RESERVE PIT
- SOIL IS LIGHT BROWN SANDY CLAY & SANDSTONE.
- 8" SPIKES w/ LATH SET AT THESE POINTS

APPROXIMATE QUANTITIES

- CUT: 14,700 CU. YDS.
- FILL: 6300 CU. YDS.



KEYWAY A-A



JERRY D. ALLRED & ASSOCIATES
 Surveying & Engineering Consultants
 121 North Center Street
 P.O. Drawer C
 DUCHESNE, UTAH 84021
 (801) 738-5352

** FILE NOTATIONS **

DATE: January 15, 1980

Operator: Mapco Production Company

Well No: Federal #12-30B

Location: Sec. 30 T. 9S R. 19E County: Uintah

File Prepared:

Entered on N.I.D.:

Card Indexed:

Completion Sheet:

API Number 43-047-30713

CHECKED BY:

Geological Engineer: _____

To close to existing gas well (Fed 7-25A) & to 1/4 section line. Will change to Oil well ⁴⁻¹⁵⁻⁸⁰ Dick Baumann

Petroleum Engineer: M.J. Winder 5-28-80 As Oil well only!

Still plan to change to oil well call R. Baumann 5-16-80 paper work submitted in a week.

Director: _____

APPROVAL LETTER:

Bond Required:

Survey Plat Required:

Order No. _____

O.K. Rule C-3

Rule C-3(c), Topographic Exception/company owns or controls acreage within a 660' radius of proposed site

Lease Designation Fed

Plotted on Map

Approval Letter Written

utm

#2

he
PI

January 28, 1980

Mapco Production Company
1643 Lewis Avenue, Suite 202
Billings, Montana 59102

Re: Well No. Federal #12-203
Sec. 30, T. 9S, R. 19E.,
Uintah County, Utah

Your application for the above referenced well cannot be approved at this time for the following reasons:

1. It is too close to the quarter-quarter section line (Rule C-3 requires a minimum of 500'. This well is only 114' from said line).
2. The proposed location is also too close to an existing gas well (Mapco #7-25A located in the SE NW of Section 25, 9S, R. 18E. Rule C-3 requires a minimum of 4960' between gas wells).

Please contact this Division in writing as to the course of action you wish to take.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Michael T. Minder
Geological Engineer

/btm

cc: USGS



Diamond Shamrock

Ralph Thomas
Manager
Northern Exploration Division
Oil and Gas Unit

February 11, 1980

Mapco Production Company
Suite 320 Plaza West
1537 Avenue D
Billings, Montana 59102

ATTN: W. G. Kiser

RECEIVED

FEB 14 1980

**DIVISION OF
OIL, GAS & MINING**

Re: Exception Location
Sec. 30-T9S-R19E
1260' FWL, 1610' FSL
Uintah County, Utah

Dear Mr. Kiser:

I have received your letter requesting we support your request for the cited exception location. It is my understanding you want to file for the exception location because of topographic problems. However, the Uteland Butte 7.5 minute topographic quadrangle indicates there should be no problems selecting a site the legal distance from the well in Section 25, Township 9 South, Range 18 East. Therefore, we respectfully request you comply with the order of the Division of Oil, Gas and Mining.

Very truly yours,

Gary Hall
District Geologist

GH:kc

cc: Cleon B. Freight, Director
Division of Oil, Gas & Mining
1588 West North Temple
Salt Lake City, Utah 84116



Diamond Shamrock

Ralph Thomas
Manager
Northern Exploration Division
Oil and Gas Unit

February 19, 1980

Division of Oil, Gas & Mining
1588 West North Temple
Salt Lake City, Utah 84116

ATTN: Mike Minder

Re: Exception Location
Sec. 30-T9S-R19E
1206' FWL, 1610' FSL
Uintah County, Utah

Gentlemen:

Mapco has furnished us additional information concerning the subject location and we are agreeable to granting the exception required.

Very truly yours,

Gary O. Hall
District Geologist

GOH:kc

cc: J. J. Benner
Suite 320 Plaza West
1537 Avenue D
Billings, Montana 59102

RECEIVED

FEB 22 1980

DIVISION OF
OIL, GAS & MINING

Rule 30 CFR 221.20 requires well shall not be drilled closer than 200 ft. from the lease boundary or 200 ft. from any legal sub-division without adequate reasons or consent.

District Oil and Gas Engineer
U. S. Geological Survey
Conservation Division
1745 West 1700 South
Salt Lake City, Utah 84104

Re: Stipulation

MAPCO PROD. CO.

Dear Sir:

GILMAN A. HILL is the owner of U.S. Oil and Gas Lease U-37246, and MAPCO Production Company proposes to drill a well on the leased premises to test for oil and gas at a location in the SE 1/4 NW 1/4 SW 1/4 Section 30, T. 9S, R. 19E, S.L.B. & M. Mer., Uintah County, State of Utah, 1206' from West line and 1610' from South line of Section 30.

Section 221.20 of the Federal Oil and Gas Regulations requires that no well be drilled less than 200' from the boundary of any legal subdivision without the written consent of the Supervisor, United States Geological Survey. The proposed location is approximately 114' from the East boundary line of the NW 1/4 SW 1/4 of Section 30, but is considered to be necessary because the topography will not permit the well to be drilled in an orthodox location.

Therefore, GILMAN A. HILL, Lessee, requests the consent of the Supervisor to the drilling of the proposed well at the above-described location. In consideration of such consent, GILMAN A. HILL, Lessee, hereby expressly covenants and agrees that he will make no separate assignments of the NW 1/4 SW 1/4 and the NE 1/4 SW 1/4, Section 30, T. 9S, R. 19E, S.L.B.&M. Mer., and that he will keep the two described subdivisions under joint assignment until the above-mentioned well has been plugged and abandoned with the approval of the Supervisor.

Very truly yours,

Gilman A. Hill
Gilman A. Hill

RECEIVED

MAR 3 1980

DIVISION OF
OIL, GAS & MINING

DESIGNATION OF OPERATOR

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

DISTRICT LAND OFFICE: Salt Lake City, Utah
SERIAL NO.: Utah-37246

and hereby designates

NAME: MAPCO Production Company
ADDRESS: Alpine Executive Center, Suite 202,
1643 Lewis Avenue, Billings, MT 59102

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):

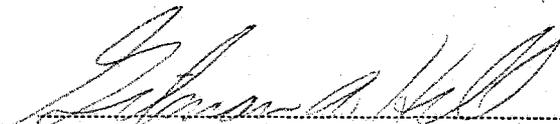
Township 9 South, Range 19 East, S.L.M.
Section 30: E/2, S/2NW/4, NE/4NW/4, SW/4

Uintah 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.



(Signature of lessee)

Gilman A. Hill
6200 Plateau Drive
Englewood, CO 80110

February 21, 1980

(Date)

RECEIVED

MAR 3 1980

DIVISION OF
OIL, GAS & MINING



mapco PRODUCTION COMPANY

March 21, 1980

U.S. GEOLOGICAL SURVEY
Conservation Division
Branch of Oil & Gas
2000 Administration Bldg.
1745 West 1700 South
Salt Lake City, UT 84104

Attention: Mr E W Guynn

Well file copy

Re: Production Facilities
Fed. 11-26A & Fed. 12-30B

Gentlemen:

Please find enclosed an amended copy of the proposed production facilities on the Fed. 11-26A and Fed 12-30B. Please notify us if there are any problems concerning the amended facilities.

Thank you,

MAPCO Production Company

Richard Baumann

Richard Baumann
Engineering Technician

REB/jlu
Enclosure

RECEIVED

MAR 24 1980

DIVISION OF
OIL, GAS & MINING

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

2. NAME OF OPERATOR MAPCO PRODUCTION COMPANY
Alpine Executive Center

3. ADDRESS OF OPERATOR 1643 Lewis Ave., Suite 202
Billings, MT 59102

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1206' FWL & 1610' FSL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH: SAME

5. LEASE U-37246-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO. Federal 12-30B

10. FIELD OR WILDCAT NAME, Wildcat

11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA Sec. 30,
T. 9 S., R. 19 E.

12. COUNTY OR PARISH Uintah 13. STATE Utah

14. API NO. NOT YET ASSIGNED

15. ELEVATIONS (SHOW DF, KDB, AND WD) 4830' Ungraded G.L.

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

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) <input type="checkbox"/> Change Production Facilities	

(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.)*

SEE ATTACHED FOR AMENDED FACILITIES

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING

DATE: 3/31/80

BY: M.J. Mandy

RECEIVED

MAR 24 1980

DIVISION OF
OIL GAS & MINING

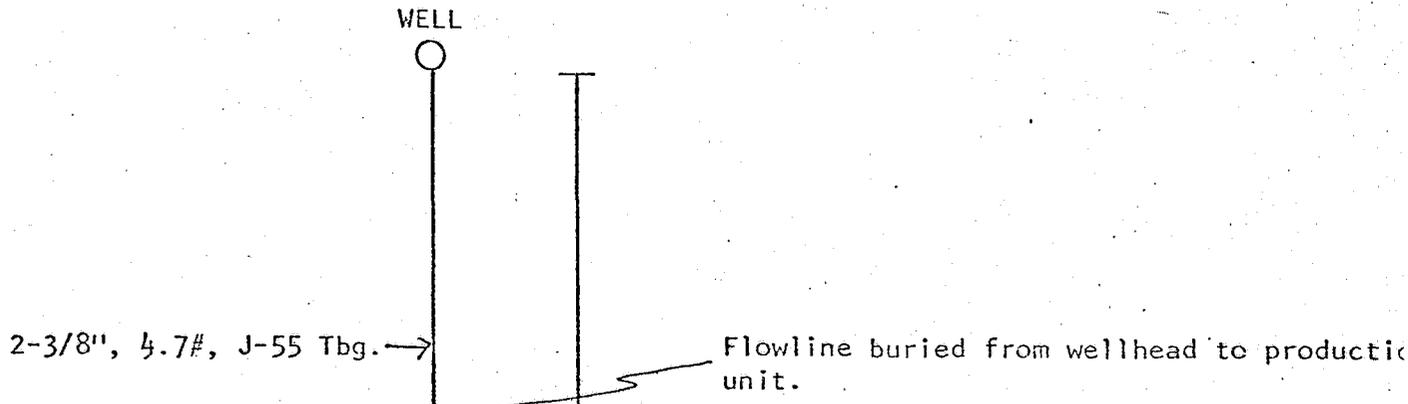
Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Richard Baumann TITLE Engineering Tech. DATE 3-21-80
Richard Baumann

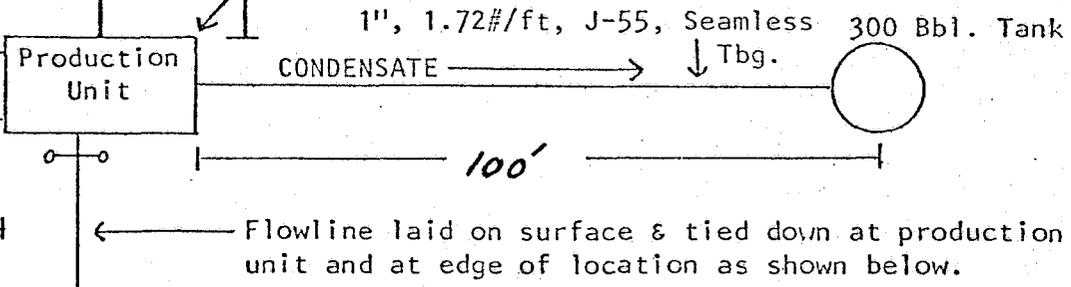
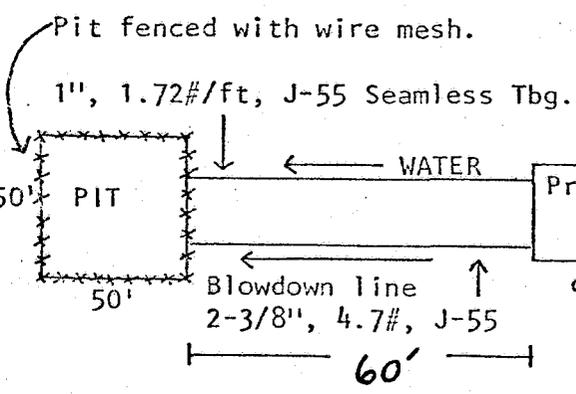
(This space for Federal or State office use)

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

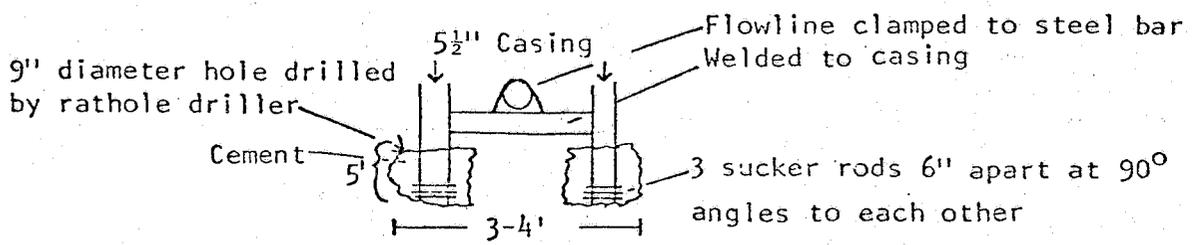


160'

Completely housed 3 phase production unit
 Metering system is a 3" Daniels Junior
 Meter Run with Model 2020A Barton Meter
 with 3 pen recorder. Barton Meter has
 0-150° F thermometer and 100"-1000# sprin
 Production meter will be calibrated in
 place prior to any deliveries.



Tie-down Diagram



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

2. NAME OF OPERATOR MAPCO PRODUCTION COMPANY
Alpine Executive Center

3. ADDRESS OF OPERATOR 1643 Lewis Ave., Suite 202
Billings, MT 59102

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1206' FWL & 1610' FSL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH: SAME

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

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input checked="" type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other)	<input type="checkbox"/>		<input type="checkbox"/>

5. LEASE
U-37246-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.
Federal 12-30B

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA
Sec. 30,
T. 9 S., R. 19 E.

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

14. API NO.
Not assigned

15. ELEVATIONS. (SHOW DF, KDB, AND WD)
4830' Ungraded G.L.

(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.)*

MAPCO intends to change the proposed T.D. of the Federal 12-30B from 9277' in the Mesaverde to 5400' in the Wasatch.

Please see enclosed revised casing, cementing and drilling program.

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING

DATE: 5-28-80

BY: M.Y. Minder

Subsurface Safety Valve: Manu. and Type _____ Ft.

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

SIGNED Richard Baumann TITLE Engineering Tech. DATE 5-19-80
Richard Baumann

(This space for Federal or State office use)

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

RECEIVED
MAY 28 1980
ASST. DIR. OF MINE SAFETY AND HEALTH
MINING

PROPOSED CASING, CEMENTING AND DRILLING PROGRAM
 MAPCO PRODUCTION COMPANY
 FEDERAL 12-30B

<u>SIZE OF HOLE</u>	<u>SIZE OF CASING</u>	<u>WEIGHT PER FOOT</u>	<u>SETTING DEPTH</u>	<u>QUANTITY OF CEMENT</u>
12-1/4"	8-5/8"	24# H-40	400'	Cement to surface
7-7/8"	5-1/2"	14# K-55	5400'	Cement to surface

1. Drill a 12-1/4" hole with an air rig to 400'. Run 8-5/8", H-40 casing and cement to surface.
2. NU and pressure test BOP stack prior to drilling out below surface pipe.
3. Test pipe rams daily and blind rams as possible.
4. Drill a 7-7/8" hole to 5300' with a fresh water mud system. No cores are planned. DST's will be run as needed to evaluate unexpected shows.
5. Run logs. Set 5-1/2", 14#, K-55 casing. Casing program may be modified to provide added burst strength if needed for frac program.
6. Primary zone of interest is the Green River section.
7. All zones indicating potential for economically recoverable reserves will be tested in a normal, prudent manner.

May 29, 1980

Mapco Production Company
1643 Lewis Avenue, Suite 202
Billings, Montana 59102

Re: Well No. Federal #12-20B
Sec. 30, T. 9S, R. 19E.,
Uintah County, Utah

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:

MICHAEL T. MINDER - Petroleum Engineer
Office: 533-5771
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) 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 43-047-30713.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Michael T. Minder
Petroleum Engineer

/b:tm

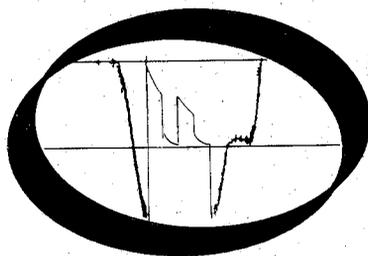
cc: USGS

Formation Testing Service Report

RECEIVED

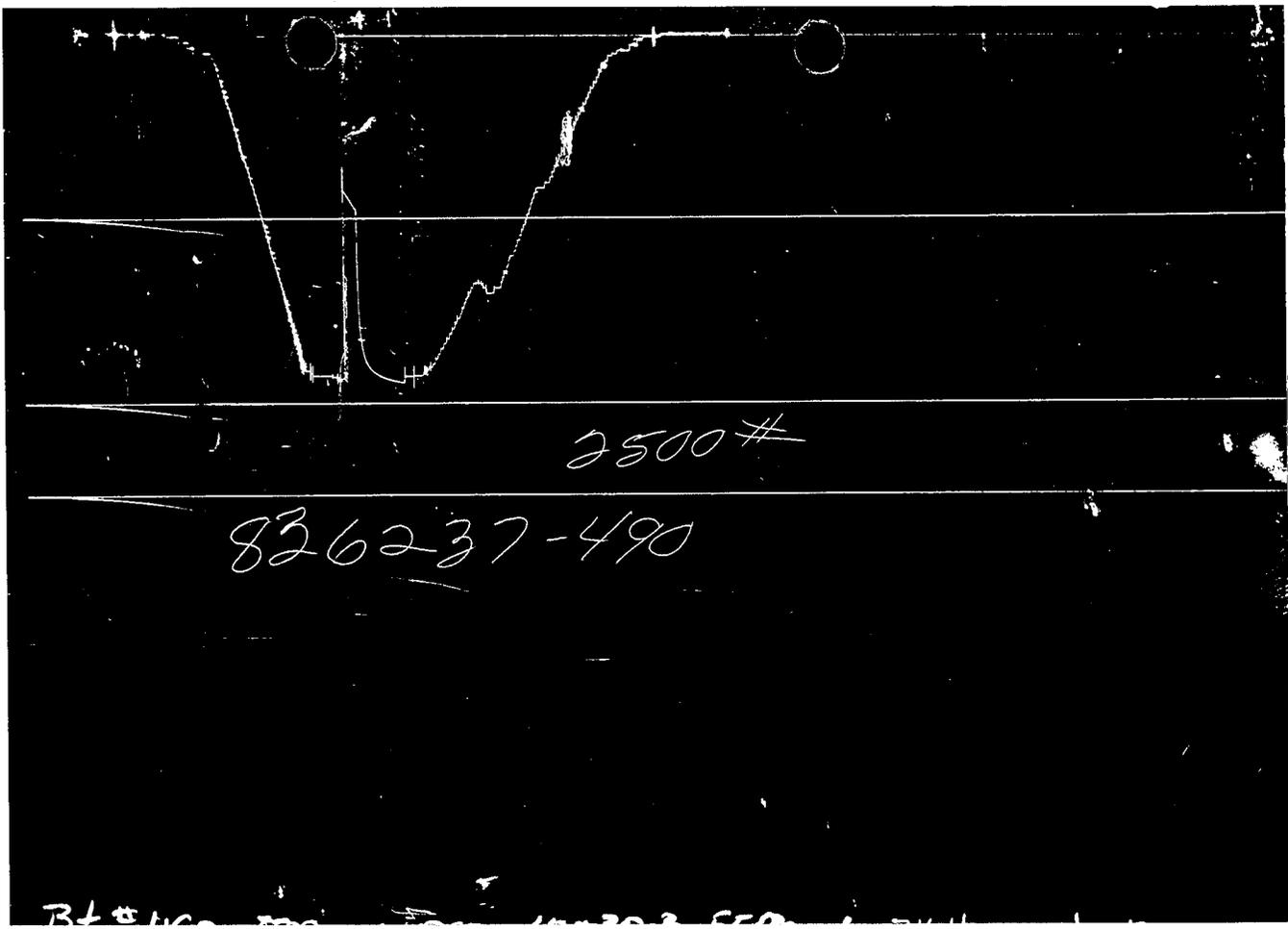
OCT 27 1930

DIVISION OF
OIL, GAS & MINING

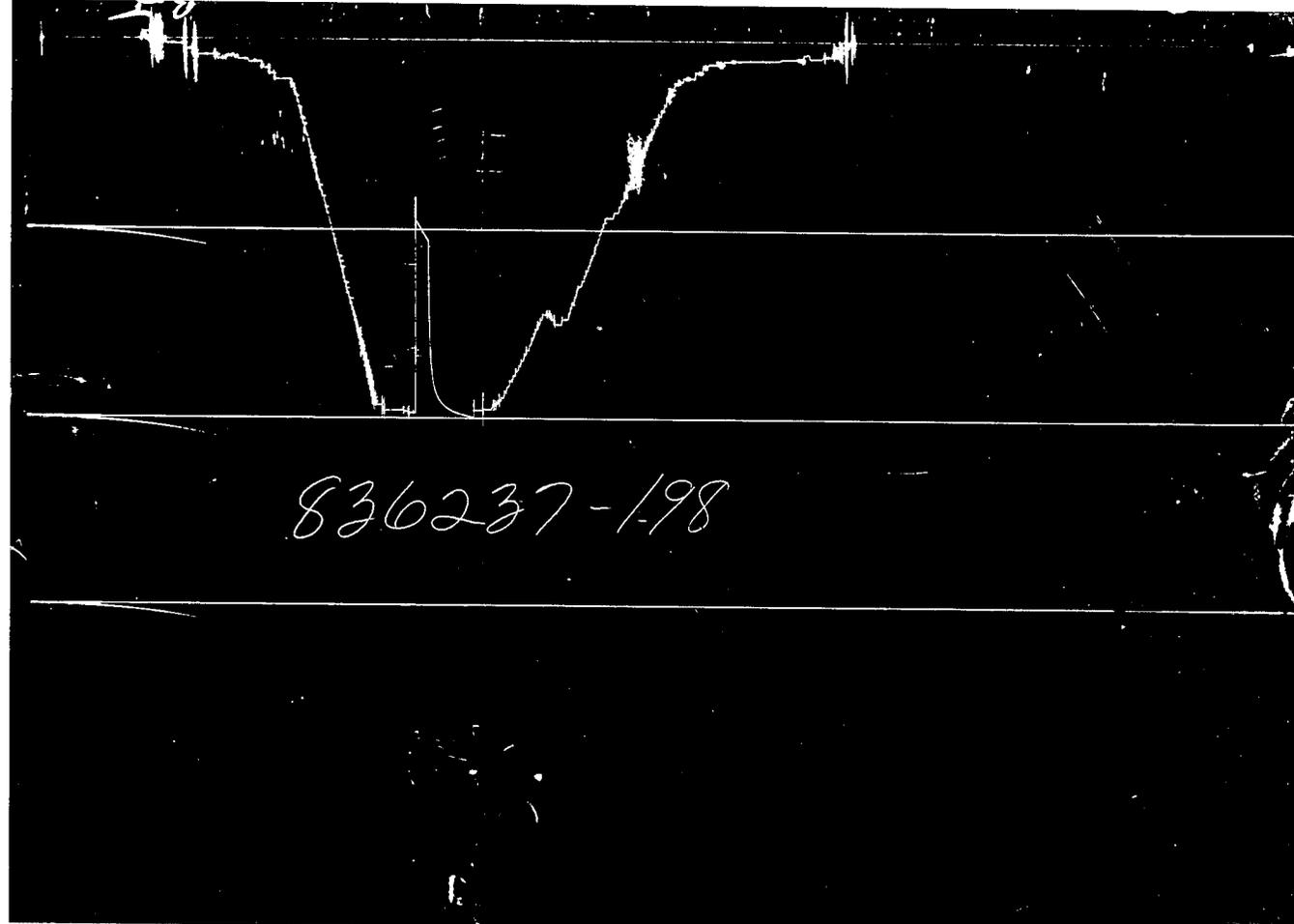


HALLIBURTON SERVICES
DUNCAN, OKLAHOMA

PRESSURE



TIME



Each Horizontal Line Equal to 1000 p.s.i.

FLUID SAMPLE DATA		Date 10-8-80	Ticket Number 836237
Sampler Pressure _____ P.S.I.G. at Surface	Kind of D.S.T. OPEN HOLE TEST	Halliburton Location VERNAL	
Recovery: Cu. Ft. Gas _____	Tester BOYD RICH	Witness _____	
cc. Oil _____	Drilling Contractor CARMAK	TJH S	
cc. Water _____	EQUIPMENT & HOLE DATA		
cc. Mud _____	Formation Tested _____		
Tot. Liquid cc. _____	Elevation 4824' KB	Ft. _____	
Gravity _____ ° API @ _____ ° F.	Net Productive Interval _____	Ft. _____	
Gas/Oil Ratio _____ cu. ft./bbl.	All Depths Measured From Kelly Bushing	Ft. _____	
RESISTIVITY _____ CHLORIDE CONTENT _____	Total Depth 4273'	Ft. _____	
Recovery Water _____ @ _____ ° F. _____ ppm	Main Hole/Casing Size 7 7/8"	Ft. _____	
Recovery Mud _____ @ _____ ° F. _____ ppm	Drill Collar Length 220.68' I.D. ?	Ft. _____	
Recovery Mud Filtrate _____ @ _____ ° F. _____ ppm	Drill Pipe Length 3824.84' I.D. 2 1/4"	Ft. _____	
Mud Pit Sample _____ @ _____ ° F. _____ ppm	Packer Depth(s) 4070' - 4076'	Ft. _____	
Mud Pit Sample Filtrate _____ @ _____ ° F. _____ ppm	Depth Tester Valve 4053'	Ft. _____	
Mud Weight 8.9 vis 30 sec.			

Cushion	TYPE	AMOUNT	Depth Back Ft.	Surface Choke	Bottom Choke
Recovered		1446 Feet of water.			
Recovered		Feet of			
Recovered		Feet of			
Recovered		Feet of			
Recovered		Feet of			

Remarks SEE PRODUCTION TEST DATA SHEET . . .

TEMPERATURE	Gauge No. 490 Depth: 4055 Ft.	Gauge No. 198 Depth: 4270 Ft.	Gauge No. _____ Depth: _____ Ft.	TIME (00:00-24:00 hrs.)		
				Hour Clock	Hour Clock	
Est. °F.	Blanked Off NO	Blanked Off YES	Blanked Off _____	Tool Opened 1936		
Actual °F.	Pressures		Pressures		By-pass 2049	
	Field	Office	Field	Office	Reported Minutes	Computed Minutes
First Period	Initial	1847.9	1953.7			
	Flow Initial	847.0	947.4			
	Flow Final	958.7	1056.5			
	Closed in	1886.6	1990.7			
Second Period	Flow Initial					
	Flow Final					
	Closed in					
Third Period	Flow Initial					
	Flow Final					
	Closed in					
Final Hydrostatic		1851.9	1955.0			

Legal Location Sec. Twp. - Rng. 30 - 9S - 19E
 Lease Name FEDERAL
 Well No. 40-30B
 Test No. 1
 Field Area WILDCAT
 Mea. From Tester Valve
 County VINTAH
 State UTAH
 Tested Interval 4076' - 4273'
 Lease Owner/Company Name MAPCO INCORPORATED

Gauge No. 490			Depth 4055			Clock No. 4096			24 hour		Ticket No. 836237				
First Flow Period		First Closed In Pressure			Second Flow Period		Second Closed In Pressure			Third Flow Period		Third Closed In Pressure			
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log} \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log} \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log} \frac{t + \theta}{\theta}$	PSIG Temp. Corr.
0	.0000	847.0	.0000		958.7										
1	.0033*	848.4	.0033**		1334.2										
2	.0135	869.6	.0166		1675.9										
3	.0236	888.3	.0298		1753.3										
4	.0337	909.5	.0431		1797.3										
5	.0439	930.8	.0564		1817.3										
6	.0540	958.7	.0696		1831.9										
7			.0829		1843.9										
8			.0961		1853.3										
9			.1094		1859.9										
10			.1227		1866.6										
11			.1359		1871.9										
12			.1492		1875.9										
13			.1624		1879.9										
14			.1757		1883.9										
15			.1890		1886.6										

Gauge No. 198			Depth 4270			Clock No. 2290			24 hour	
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log} \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log} \frac{t + \theta}{\theta}$	PSIG Temp. Corr.
0	.0000	947.4	.0000		1056.5					
1	.0032*	950.1	.0032**		1371.0					
2	.0127	969.8	.0160		1777.7					
3	.0223	993.4	.0287		1853.1					
4	.0319	1015.7	.0415		1892.8					
5	.0414	1039.4	.0543		1918.0					
6	.0510	1056.5	.0670		1935.2					
7			.0798		1948.4					
8			.0926		1957.6					
9			.1054		1964.3					
10			.1182		1970.9					
11			.1309		1976.2					
12			.1437		1980.1					
13			.1564		1984.1					
14			.1692		1988.1					
15			.1820		1990.7					

Reading Interval 3 4 Minutes

REMARKS: * - first interval is equal to 1 minute, ** - 1 minute.



	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	?	?	3824.84'	
Drill Collars	6 1/4"	2.25"	189.49'	
Reversing Sub	6 3/8"	1 15/16"	1'	4014.32'
Water Cushion Valve				
Drill Pipe				
Drill Collars	6 1/4"	2 1/4"	31.19'	
Handling Sub & Choke Assembly	6"	1 1/4"	.74' X OVER	
Dual CIP Valve DUAL CIP SAMPLER	5"	.75"	6.75'	4048'
Dual CIP Sampler HYDROSPRING TESTER	5"	.75"	5'	4053'
Hydro-Spring Tester				
Multiple CIP Sampler				
Extension Joint		3.06"	4.12'	
AP Running Case	5"	3.06"	4.12'	4055'
Hydraulic Jar	5"	1.75"	5'	
VR Safety Joint	5"	1"	2.78'	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	1.53"	5.81'	4070'
Distributor				
Packer Assembly	6 3/4"	1.53"	5.81'	4076'
	X OVER	5 1/2"	.52'	
	ANCHOR	5 3/4"	2.87"	10'
Flush Joint Anchor				
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor	X OVER	6"	2 3/4"	.74'
Drill Collars	X OVER	6 1/4"	2 1/4"	153.59'
Flush Joint Anchor		6"	2 3/4"	.73'
		5 3/4"	2.87"	26'
Blanked-Off B.T. Running Case		5 3/4"	2.50"	4.16'
Total Depth				4273'

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

2. NAME OF OPERATOR **MAPCO PRODUCTION COMPANY**
Alpine Executive Center

3. ADDRESS OF OPERATOR **1643 Lewis Ave., Suite 202**
Billings, MT 59102

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: **1206' FWL & 1610' FSL**
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH: **SAME**

5. LEASE **U-37246-A**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO. **Federal 12-30B**

10. FIELD OR WILDCAT NAME **Wildcat**

11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA **Sec. 30,**
T. 9 S., R. 10 E.

12. COUNTY OR PARISH **Uintah** 13. STATE **Utah**

14. API NO. **43-047-30713**

15. ELEVATIONS (SHOW DF, KDB, AND WD)
4830' Ungraded G.L.

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) Well Status

(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 Federal 12-30B will not be drilled unless future drilling proves the location to be economically feasible.

Subsurface Safety Valve: Manu. and Type _____ Ft.

18. I hereby certify that the foregoing is true and correct
SIGNED Richard Baumann TITLE Engineering Tech DATE 1/1/88
Richard Baumann

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Conservation Division
2000 Administration Building
170 West 1700 South
Salt Lake City, Utah 84104

April 2, 1981

PCO Production Company
Alpine Executive Center
1723 Lewis Ave., Suite 202
Billings, Montana 59102

Re: Return Application for
Permit to Drill
Well No. 12-308
Section 30, T. 95, R. 19E,
Utah County, Utah
Lease No. U-37246
Application Approved March 11, 1980

Comments:

The application for Permit to Drill the referenced well was approved since that location known activity has transpired at the approved location. Under current District policy, applications for permit to drill are effective for a period of one year. In view of the foregoing this office is rescinding the approval of the referenced application without prejudice. If you intend to drill at this location on a future date a new application for permit to drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must, then be submitted. Your cooperation in this matter is appreciated.

Sincerely,

(Orig. Sgd.) R. A. Hendricks

R. W. Goyan
District Oil & Gas Supervisor

cc: DCI, ER, O&G, Denver
BLM-Vernal
State Office (O&G)
State Office (BLM)
USGS-Vernal
Well File
APD Control

APR 6 1981

DIVISION OF
OIL, GAS & MINING

RAH/ld/cw

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