

FILE NO. _____

Entered in NID File

Entered On S R Sheet _____

Location Map Pinned _____

Card Indexed

IWR for State or Fee Land _____

Checked by Chief _____

Copy NID to Field Office _____

Approval Letter _____

Disapproval Letter _____

COMPLETION DATA:

Date Well Completed _____

OW _____ WW _____ TA _____

GW _____ OS _____ PA _____

Location Inspected _____

Bond released
State of Fee Land _____

LOGS FILED

Driller's Log _____

Electric Logs (No.) _____

E _____ I _____ E-I _____ GR _____ ~~GR~~ _____ Micro _____

Lat _____ Mi-L _____ Sonic _____ ~~Other~~ _____

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 505' FWL & 1832' FNL, SW NW Sec. 25
 At proposed prod. zone Same

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

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 505'

16. NO. OF ACRES IN LEASE
 1280

17. NO. OF ACRES ASSIGNED TO THIS WELL
 320

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2800'

19. PROPOSED DEPTH
 5420' *W*

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 4881' G.L.

22. APPROX. DATE WORK WILL START*
 8-10-80

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24# H-40	400'	Cmt to surface
7-7/8"	5-1/2"	14# K-55	5420'	Cmt 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 5420' 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 be tested in a normal, prudent manner.

SEE BACK FOR FORMATION LOG TOPS

APPROVED BY THE DIVISION OF
 OIL, GAS, AND MINING
 DATE: 6-16-80
 BY: *M. J. Minder*

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present 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.

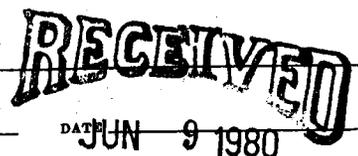
24. SIGNED *Richard Baumann* TITLE Engineering Technician DATE 6-6-80
 Richard Baumann

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

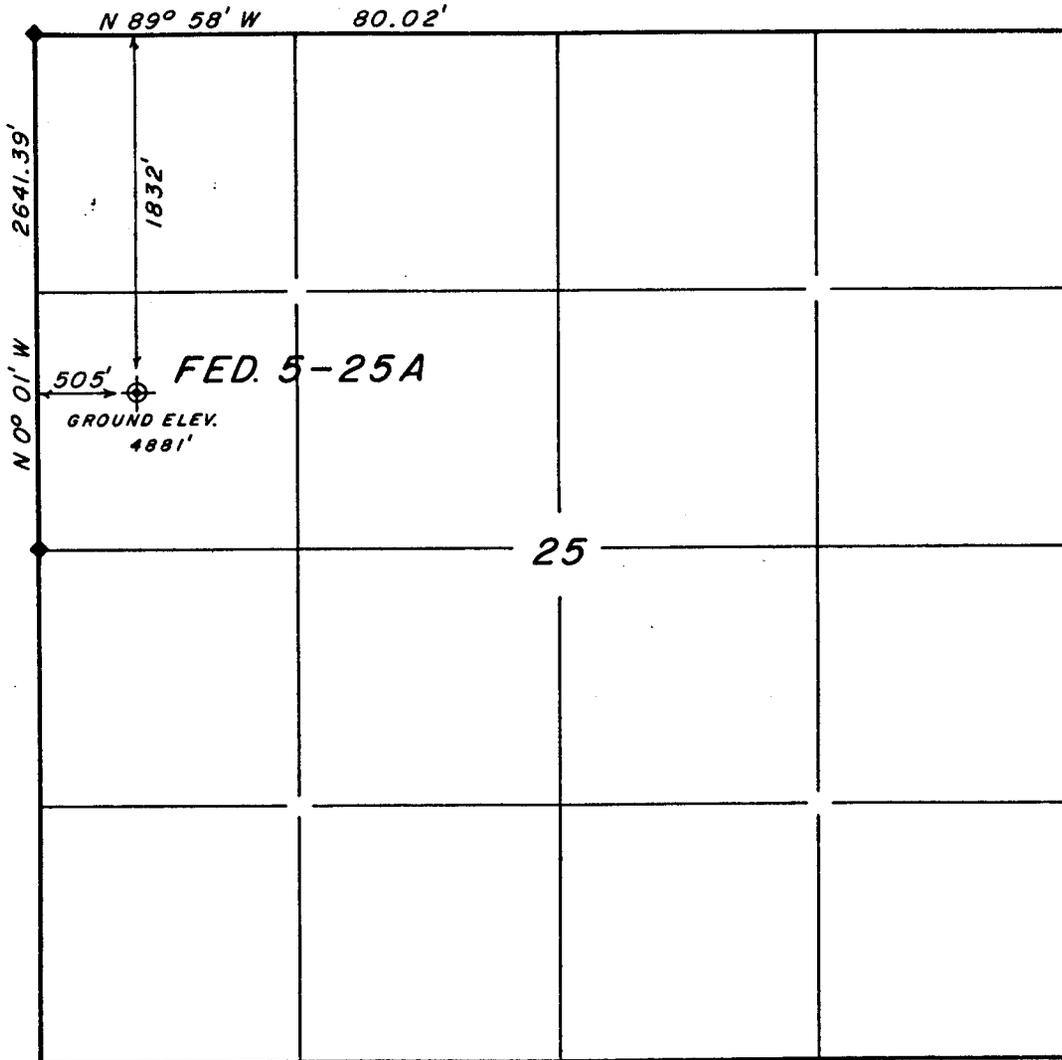
APPROVED BY _____ TITLE _____ DATE JUN 9 1980

CONDITIONS OF APPROVAL, IF ANY:



MAPCO, INC.
WELL LOCATION
FEDERAL 5-25A

Locate the SW $\frac{1}{4}$ of the NW $\frac{1}{4}$ of
 Section 25, T9S, R18E, S. L. B. & M.



SCALE: 1"=1000'

Exhibit A

LEGEND & NOTES

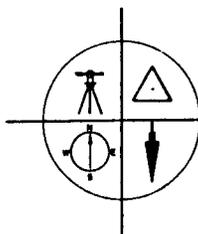
◆ Found brass cap on pipe monuments
 used for this survey.

The General Land Office plat was
 used for reference and calculations.

SURVEYOR'S CERTIFICATE

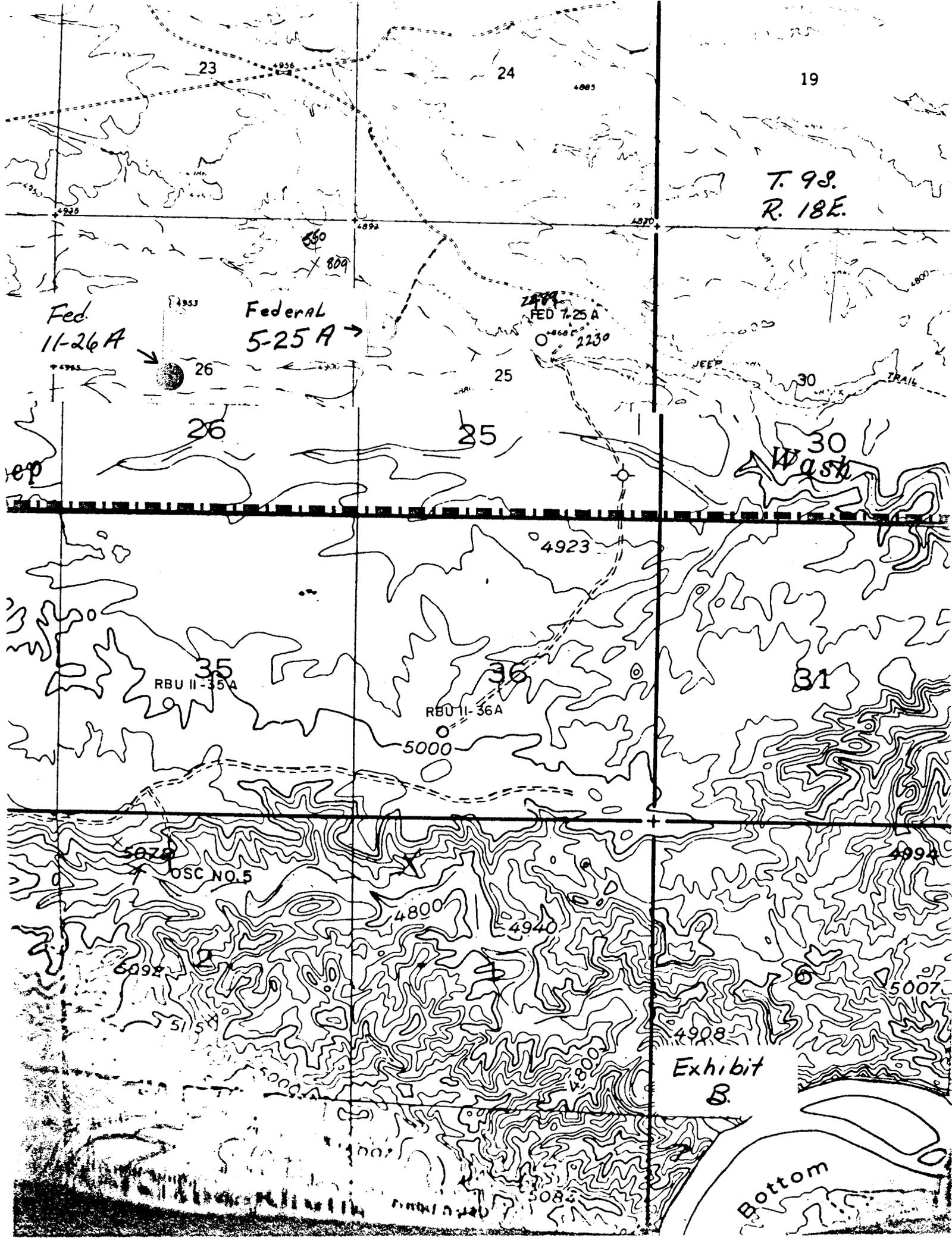
I hereby certify that this plat was prepared
 from field notes of an actual survey
 performed by me, during which the shown
 monuments were found or established.

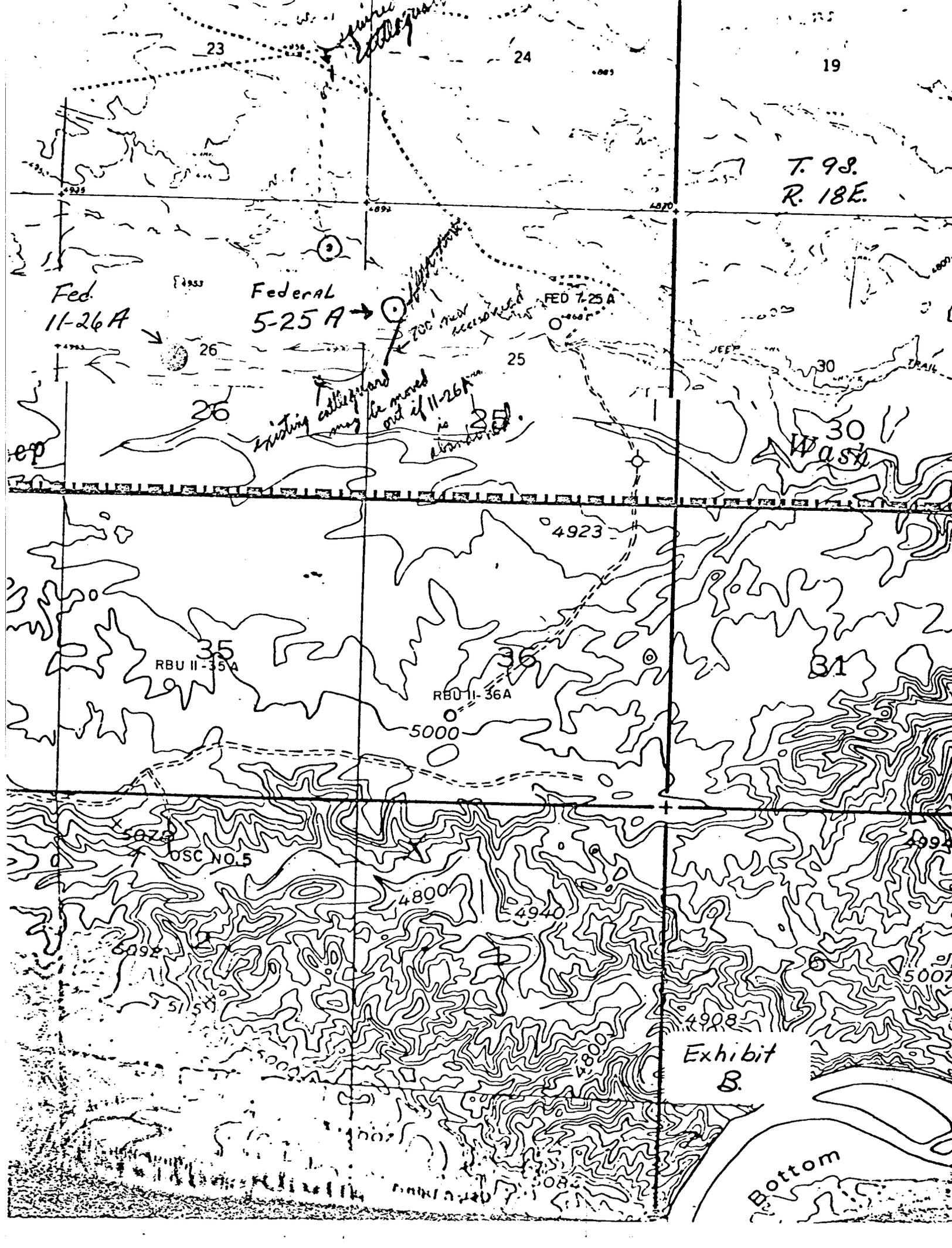
Jerry D. Allred
 Jerry D. Allred, Registered Land
 Surveyor, Cert. NO. 3817 (Utah)



JERRY D. ALLRED & ASSOCIATES
 Surveying & Engineering Consultants

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





T. 98.
R. 18E.

Fed.
11-26A

Federal
5-25A

FED 7-25A

RBU II-35A

RBU II-36A

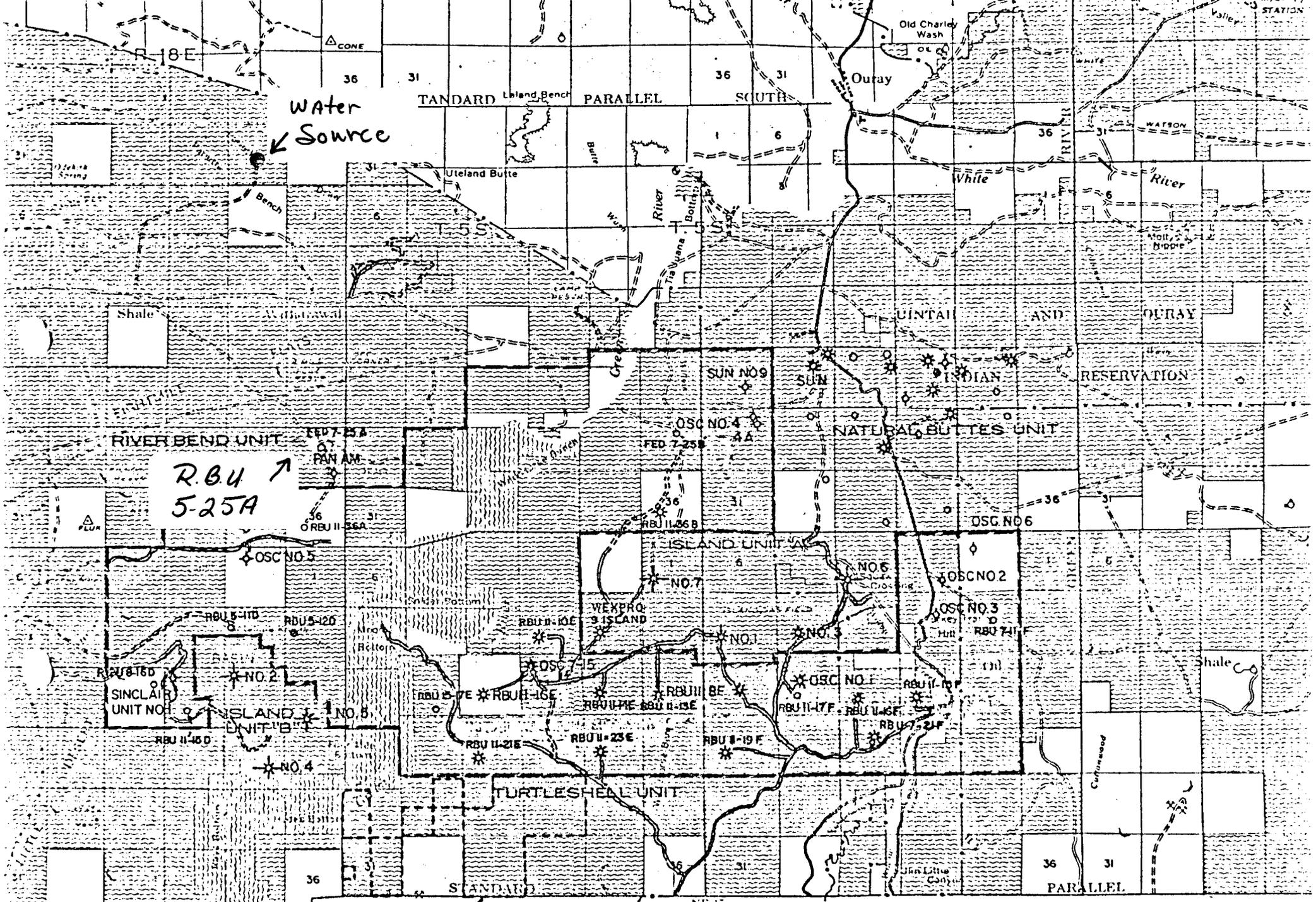
OSC NO. 5

Exhibit
B

Bottom

wire collection
200' near recovered
existing calligraph may be moved out of 11-26A is abandoned.

Wash



Water Source
 ↙

R.B.U. ↑
 5-25A

R. 18 E.

MAPCO ACREAGE R. 19 E.

NE 17
 AUG. 1975
 (REVISED)

R. 20 E.

Exhibit
 D.

R. 21 E.

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-9803OPERATOR: MapcoWELL NO. Federal 5-25ALOCATION: NW $\frac{1}{2}$ SW $\frac{1}{2}$ NW $\frac{1}{2}$ sec. 25, T. 9S., R. 18E., SLMUintah County, Utah

1. Stratigraphy: Operator tops appear reasonable

Uintah	surface
Green River	1675'
Wasatch	5320'
<u>TD</u>	5420'

2. Fresh Water:

Fresh water possible in the Uintah 0-500'. Green River has 2 aquifers in this area whose waters should not be mixed.

Birds nest aquifer (depth ~ 2175') & Douglas Creek (depth ~ 2975')

3. Leasable Minerals:

Oil shale in the Green River. Mahogany zone should be encountered at ~ 2280'.

Land is also prospectively valuable for Gilsonite, although there are no mapped veins within a few miles of this location.

4. Additional Logs Needed: Adequate

5. Potential Geologic Hazards: None expected.

6. References and Remarks:

Signature: Gregory W. WoodDate: 6-25-80

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

Attached to Form 9-331C
Company: MAPCO PRODUCTION COMPANY
Well: RBU 5-25A
Well Location: 505' FWL & 1832' FNL
Section SW NW Sec. 5, T9S, R18E
County: Uintah State: Utah

1. Geologic Surface Formation

UINTAH

2. Estimated Important Geologic Markers

<u>Formation</u>	<u>Depth</u>
Uintah	Surface
Green River	1672'
Wasatch	5318'

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

<u>Formation</u>	<u>Depth</u>	<u>Remarks</u>
X Marker	2362'	Oil zone
G Zone	3780'	Oil zone
I Zone	4056'	Oil zone
K Zone	4322'	Oil zone

4. The Proposed Casing Program

<u>SIZE OF CASING</u>	<u>WEIGHT & GRADE</u>	<u>SETTING DEPTH</u>	<u>QUANTITY OF CEMENT</u>
8-5/8"	24#, H-40	400'	Cmt to surface
5-1/2"	14#, K-55	5420'	Cmt to surface

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

Fresh water gel system. Use LCM as required to control loss circulation. Mud system to have proper rheological properties to maintain sufficient viscosity to clean hole, run logs and to land and cement casing.

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 two (2) man mud logging unit will be in operation from surface to T.D. The following open hole logs will be run:

- 1) SP-Dual Induction-Laterolog 8,
- 2) FDC-CNL-GR,
- 3) Sonic Log and F-log overlay.

Exact logging detail and procedures will be prepared prior to reaching logging depth.

9. Any Anticipated Abnormal Pressures or Temperatures Expected

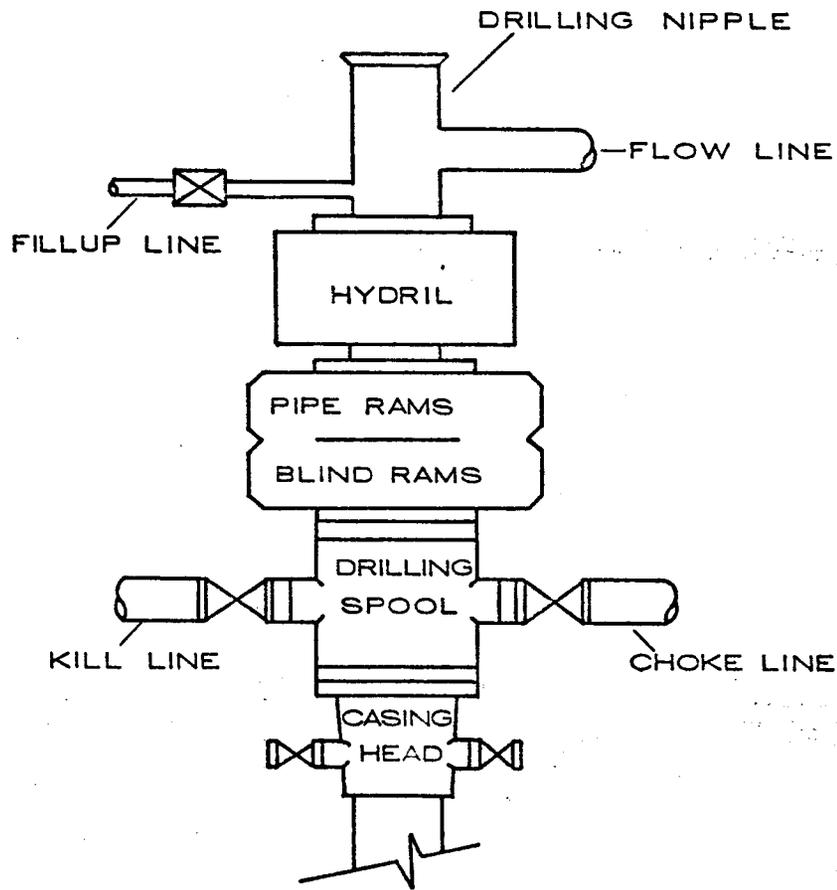
No abnormal pressures are anticipated nor is the area known for abnormal temperatures. The formations to be penetrated do not contain H₂S gas.

10. The Anticipated Starting Date and Duration of the Operations

Starting Date: 8-10-80

Duration: 15 days

BOP STACK



CHOKE MANIFOLD

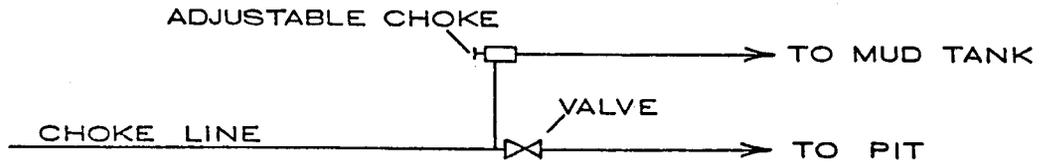


FIGURE 1

MULTI-POINT REQUIREMENTS TO ACCOMPANY APD

Attached to Form 9-331C

COMPANY: MAPCO PRODUCTION COMPANY

WELL: RBU 5-25A

WELL LOCATION: 505' FWL & 1832' FNL

Section SWNW Sec. 5, T9S, R18E

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 B.
- C. An access road of about 1700' will be needed to reach the location from the existing road as shown in Exhibit B.
- D. All existing roads are shown on Exhibit B.
- E. There is no anticipated construction on any existing roads.

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: None

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 (Federal 11-26A)
3. Temporarily abandoned wells: None
4. Disposal wells: None
5. Drilling wells: None
6. Producing wells: None
7. Shut-in wells: One (Federal 7-25A - Waiting on Completion)
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 B.

1. Tank batteries: None
2. Production facilities: None
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 C. 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. Rehabilitaion, 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 D.

- A. Water to be used for drilling will be hauled by truck from Pariette Draw located in the SW/4 Sec. 35, T9S, R18E.
- B. No pipelines are anticipated. Hauling will be on the road(s) shown in Exhibit D.
- 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 Items 1 & 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.

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 constructed during the drilling or completion of this well.

9. Well Site Layout

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

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 The Bureau of Land Management.

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.

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 site is located in a large flat with low ridges to the North. There is scattered brush and grass.

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 D):

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

Archaeological or historical sites (if any, shown on Exhibit B):
A study of archaeological or historical sites will be done by A.E.R.C. of Bountiful, UT.

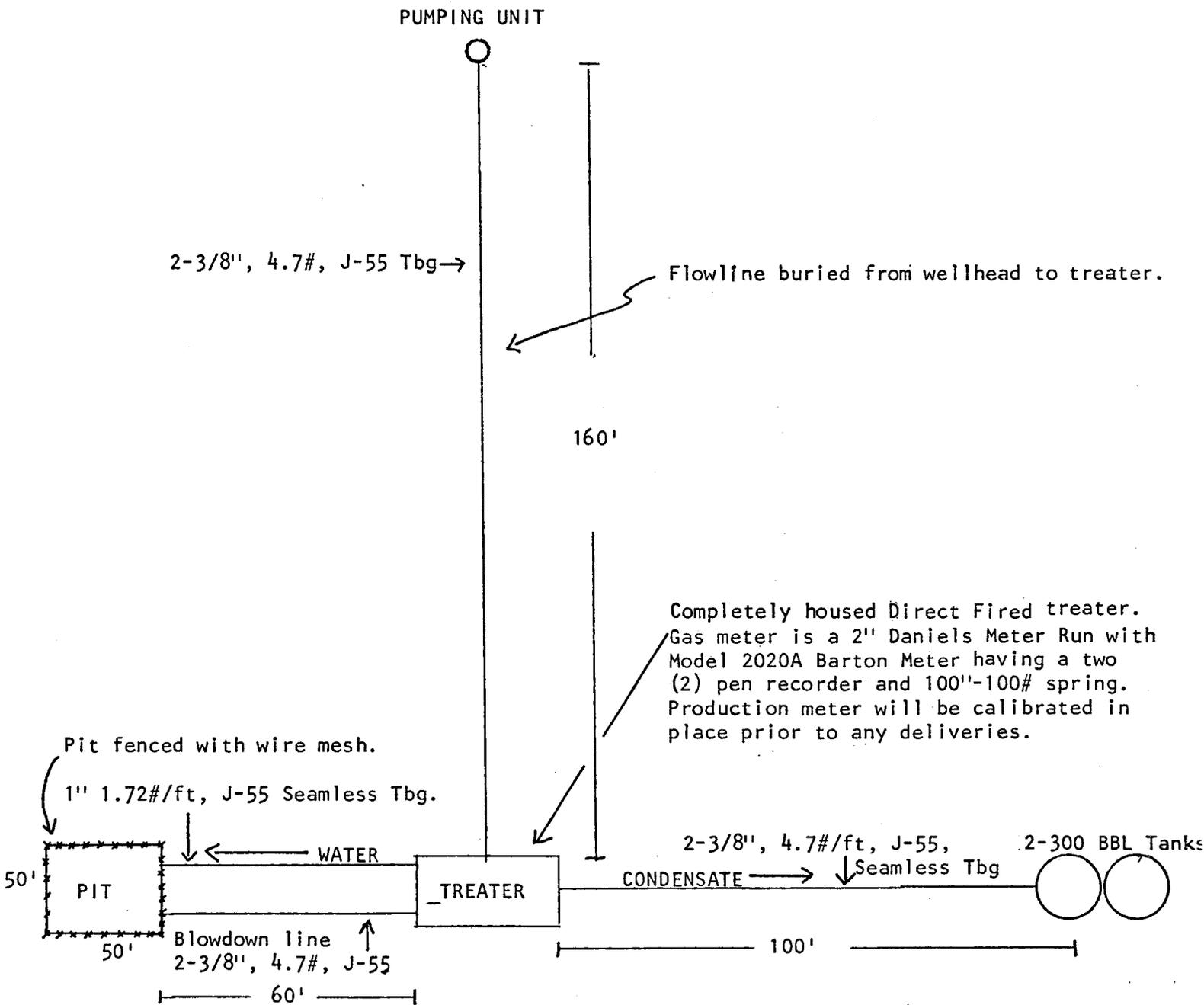


Exhibit
C.

SUMMARY OF CORE PROGRAM
 FEDERAL No. 5-25A
 SW NW 25-9S-18E
 Uintah Co., Utah

Green River: "I" Zone

	<u>Driller Depths</u>	<u>Log Depths</u>	<u>Cut</u>	<u>Recovered</u>
Core No. 1 (2/18/81)	4074-4108	4074-4108	34	34

Description Core #1: 4074-4108

Cut 34', recovered 34' (barrel jammed)
 (Don Atwood - Christensen Engineer)

4074-4083	Sandstone, medium grey, extremely fine to very fine, micaceous, clay-filled, hard, tight, <u>no shows</u> ; with interbeds of siltstone, grey-green, micaceous, calcareous and thin interbeds of shale, medium grey, micaceous. <u>Trace pale yellow sample fluorescence at 4083' - no visible stain, poor weak blue yellow cut and cut fluorescence.</u>			
4083-4088	Shale, medium grey, slightly calcareous, hard.			
4088-4089	Siltstone, grey-green, calcareous, micaceous, abundant clay fill.			
4089-4097	Shale, as above.			
4097-4099	Limestone, tan, very finely crystalline, astracodal in part, <u>gold mineral fluorescence, no stain or cut.</u>			
4099-4101	Siltstone, tan to grey, micaceous, calcareous.			
4101-4102	Shale as above with thin laminations of siltstone, grey-green, calcareous, micaceous.			
Coring Time: (min/2 ft.)	20, 25, 15, 20, 23, 35, 35, 30, 45, 44, 41, 37, 42, 23, 27, 26, 25 -- barrel jammed			

Oil and Gas Drilling

EA #496-80

United States Department of the Interior
Geological Survey
2000 Administration Bldg.
1745 West 1700 South
Salt Lake City, Utah 84104

Usual Environmental Analysis

Date: July 13, 1980

Operator Mapco Production Company Project or Well Name and No. 5-25A

Location: 505' FWL & 1832' FNL Sec. 25 T. 9S R.. 18E

County Uintah State: Utah Field/Unit. Wildcat

Lease No.. U-9083 Permit No.. N/A

Joint Field Inspection Date: June 25, 1980

Prepared By: Greg Darlington

Field Inspection Participants, Titles and Organizations:

Darwin Kulland	Mapco Production Company
Greg Darlington	USGS Vernal
Gary Slagel	BLM Vernal

Related Environmental Analyses and References:

- (1) Unit Resource Analysis, Duchesne Planning Unit, BLM, Vernal.

rk 7-17-80

Handwritten notes:
 200' in low rd?
 15' ...
 100' x 35' ...
 2' ...
 400' ...
 1-3

1. A drill pad 190' wide x 400' long and a reserve pit ^{100'}150' x ^{100'}175' would be constructed. Approximately 800 feet of new access road, averaging 18' driving surface from a maintained road. 2.7 acres of disturbed surface would be associated with the project. Maximum disturbed width of access road would be limited to 30'.
2. Drilling - would be to a proposed depth of 5420 feet.
3. Waste disposal
4. Traffic
5. Water requirements
6. Completion
7. Production
8. Transportation of hydrocarbons

Details of the proposed action are described in the Application for Permit to Drill.

The access road was changed per the attached map to reduce environmental impacts and use the good crowned access road to Mapco 11-26A which is available.

Environmental Considerations of the Proposed Action:

Regional Setting/Topography: The location is on a gently sloping hill.

PARAMETER

A. Geology

1. Other Local Mineral Resources to be Protected Oil shale is probable and there is possible Gilsonite.

Information Source: Mineral Evaluation Report.

2. Hazards:

- a. Land Stability Adequate for the proposed project.

Information Source Field Observation.

- b. Subsidence. Unlikely to be a significant hazard at this location. The operator has encountered very few if any problems at several nearby locations.

Information Source: Field Observation.

c. Seismicity This location is in an area of minor seismic risk.

Information Source Geologic Atlas of the Rocky Mountain Region, "Earthquakes of Record and Interpreted Seismicity 1852-1969," Rocky Mountain associates of Geologists.

d. High Pressure Zones/Blowout Prevention. No abnormal pressures are anticipated. BOP equipment is described in the APD.

Information Source: APD.

B. Soils.

1. Soil Character The soil is a sandy clay with shale and sandstone gravels.

Information Source: Field Observation.

2. Erosion/Sedimentation: Low rainfall, considerable distance from any surface waters, and generally stable soils minimize these impacts.

Information Source: Field Observation.

C. Air Quality: This would be temporarily impacted during construction and drilling activities.

Information Source: Field Observation.

D. Noise Levels: There would be temporary elevation of noise levels during construction and drilling activities.

Information Source. Field Obvservation.

E. Water Resources

1. Hydrologic Character

a. Surface Waters: Water will be hauled as shown on exhibit D in the APD. The Green River is about 3 miles east of the proposed location.

Information Source. APD.

b. Ground Waters: Fresh water is possible in the Uintah 0-500 feet. There are two aquifers in the Green River (Birds nest at about 2175 feet and Douglas Creek at about 2975 feet) which should not be mixed.

Information Source: Mineral Evaluation Report.

2. Water Quality

a. Surface Waters: Only low erosional/sedimentational impacts are likely to occur. Proper construction will definitely limit potential impacts to surface water quality.

b. Ground Waters. The operator progress 400 feet of surface casing further details of the casing program are in the APD.

Information Source: APD.

F. Flora and Fauna

1. Endangered and Threatened Species Determination

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

2. Flora: Areas of sagebrush, rabbit brush, some grasses and cacti, and large areas of bare soils with sparse growth.

Information Source: APD.

3. Fauna: Consists of mule deer, coyotes, pronghorn antelope, rabbits, small squirrels and rodents, and various reptiles. Birds of the area are raptors, finches, ground sparrows, mapoos, crows and jays.

Information Source: APD.

G. Land Uses

1. General: Grazing domestic livestock and minerals exploration.

Information Source: APD and Field Observation.

2. Affected Floodplains and/or Wetlands: None

Information Source: Field Observation.

3. Roadless/Wilderness Area: No Applicable

Information: BLM Utah Wilderness Inventory Map, August 1979.

H. Aesthetics: The remoteness of this area does not suggest that the aesthetical impacts of this project may be controversial. Aesthetic impacts are likely to be quite limited.

Information Source: Field Observation.

I. Socioeconomics. The effects of this well be limited. This well should probably be considered as a development well.

Information Source: Field Observation.

J. Cultural Resources Determination: Based on the BLM comments received from Vernal BLM District on June 27, 1980, we determine that there would be no effect on cultural resources subject to the statement that an "archaeological clearance has been conducted of the proposed site and access road."

Information Source: BLM stipulations letter.

K. Adequacy of Restoration Plans: Adequate, if BLM's stipulations are also complied with addition to the rehabilitation plans described in the APD.

Information Source: APD and BLM stipulations letter.

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 2.7 acres of vegetation would be removed, increasing and accelerating erosion potential.

b. Pollution of groundwater systems ^{could} would occur with the introduction of drilling fluids into the aquifer(s). 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.

2. Conditional Approval:

a. All adverse impacts described in section one above would occur.

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. *None*
2. See attached BLM Stipulations.
3. The Mining Supervisor requests adequate logs be furnished covering all formations containing potentially valuable minerals (oil shale) subject to the Mineral Leasing Act of 1920.

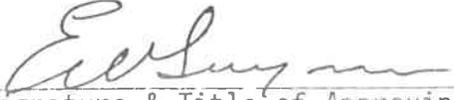
Controversial Issues and Conservation Division Response:

None at present.

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).

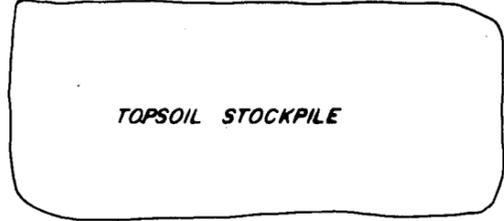
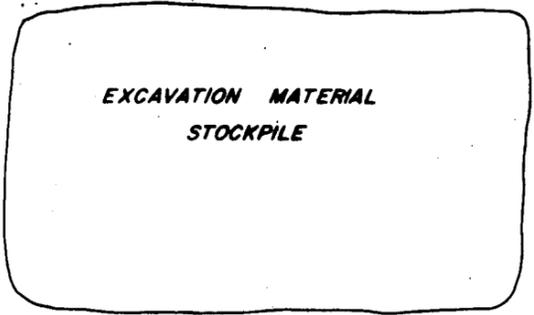
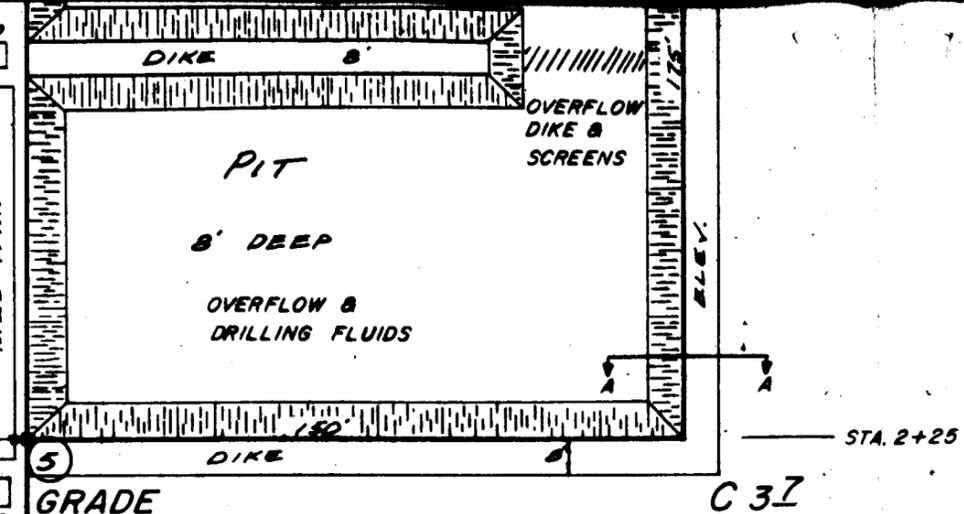
 DISTRICT ENGINEER
Signature & Title of Approving Official

JUL 16 1980
Date



Mapco 5-25A (North)

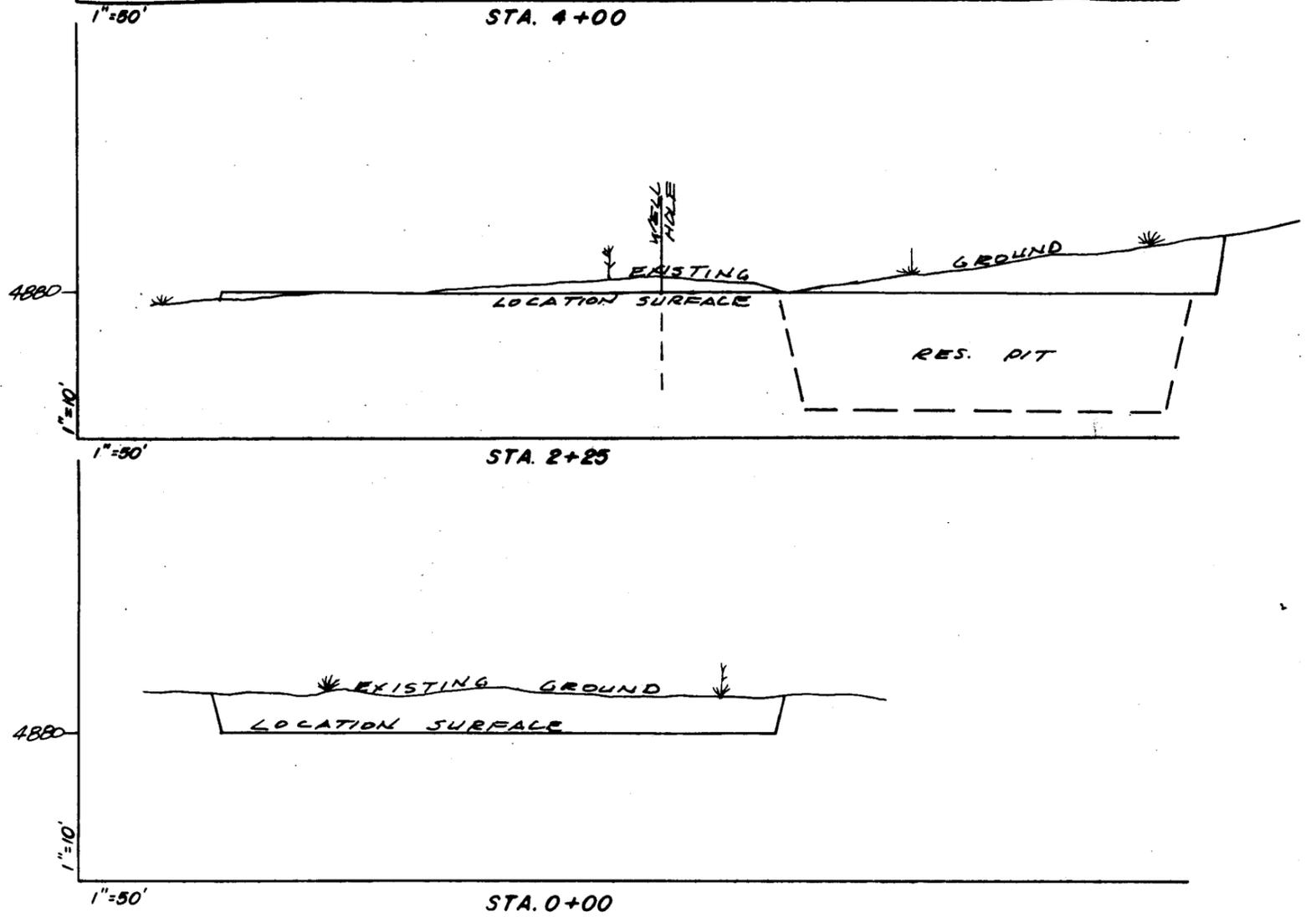
6/25 Section 25, T9S,
R18E



STA. 0+00
 ⑥ C 24

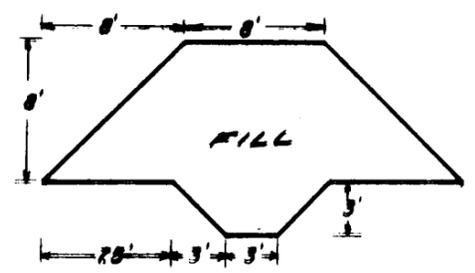
NOTES

The location is located in a large flat with low ridges to the North. There is scattered brush and grass. Soil is light brown sandy clay and sandstone.



APPROXIMATE QUANTITIES

GUT: 8550 cu yds
 FILL: 300 cu yds



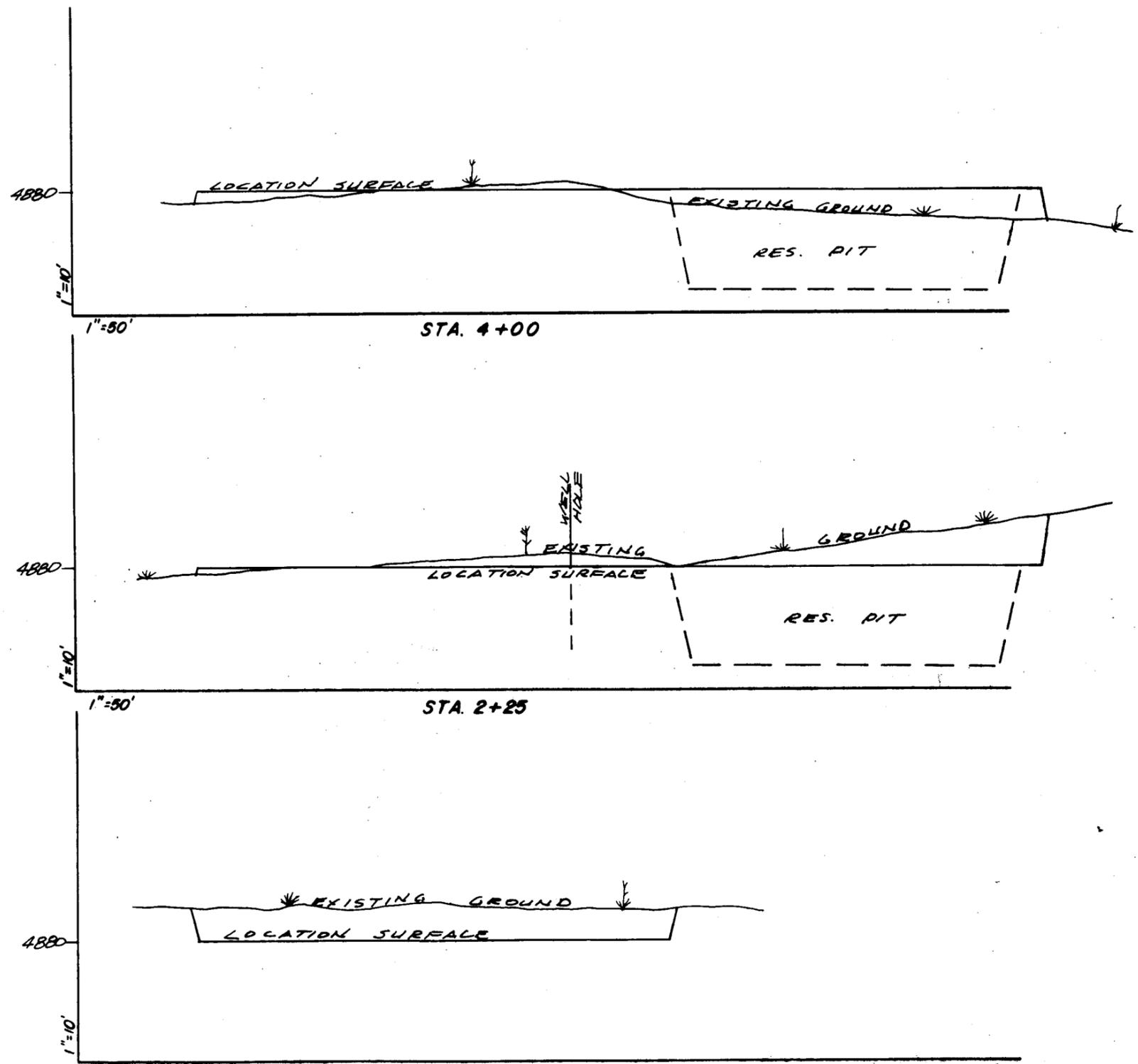
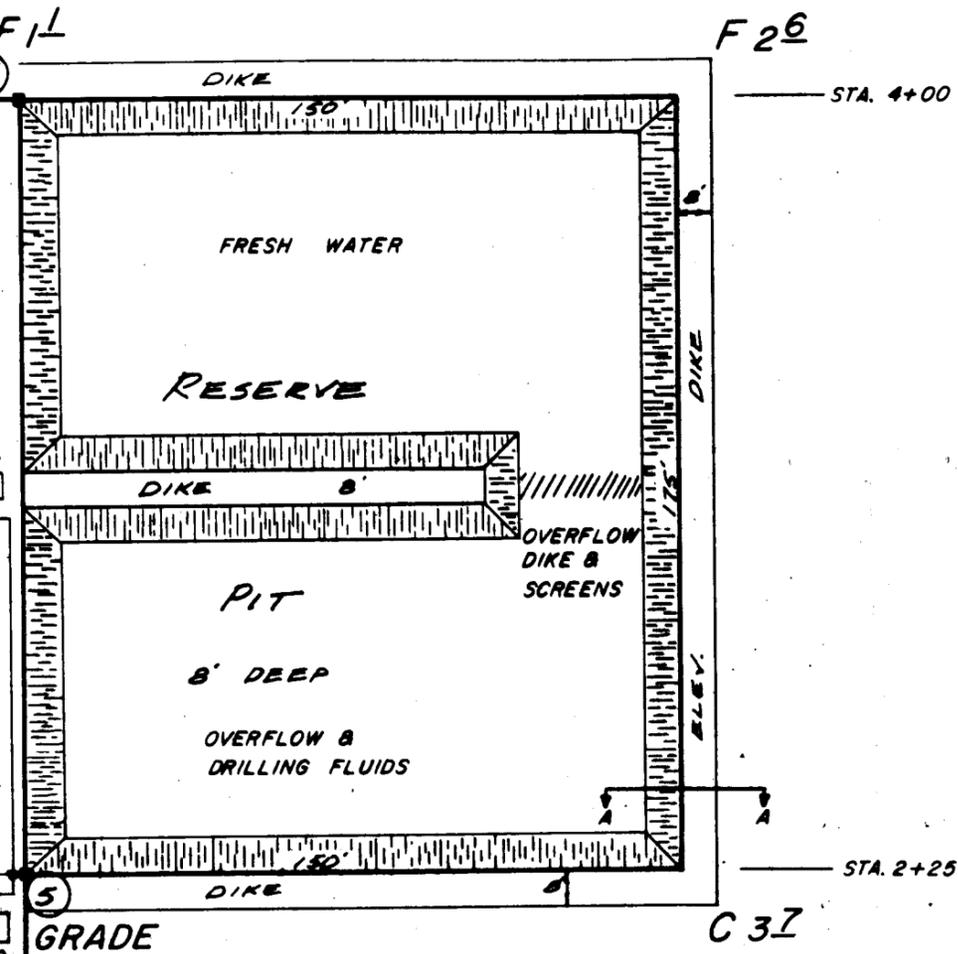
KEYWAY A-A


JERRY D. ALLRED & ASSOCIATES
 Surveying & Engineering Consultants
 121 North Center Street
 Denver, CO 80202
 (303) 733-1111

MAPCO, INC.

FEDERAL 5-25A LAYOUT PLAT

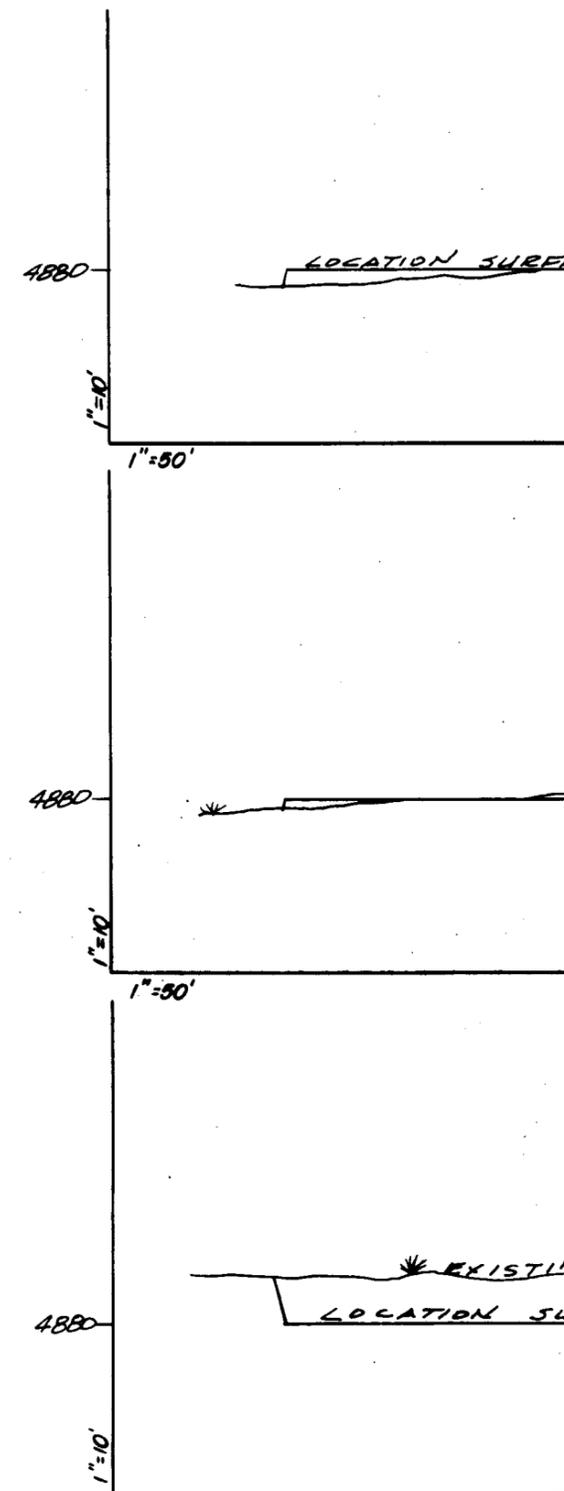
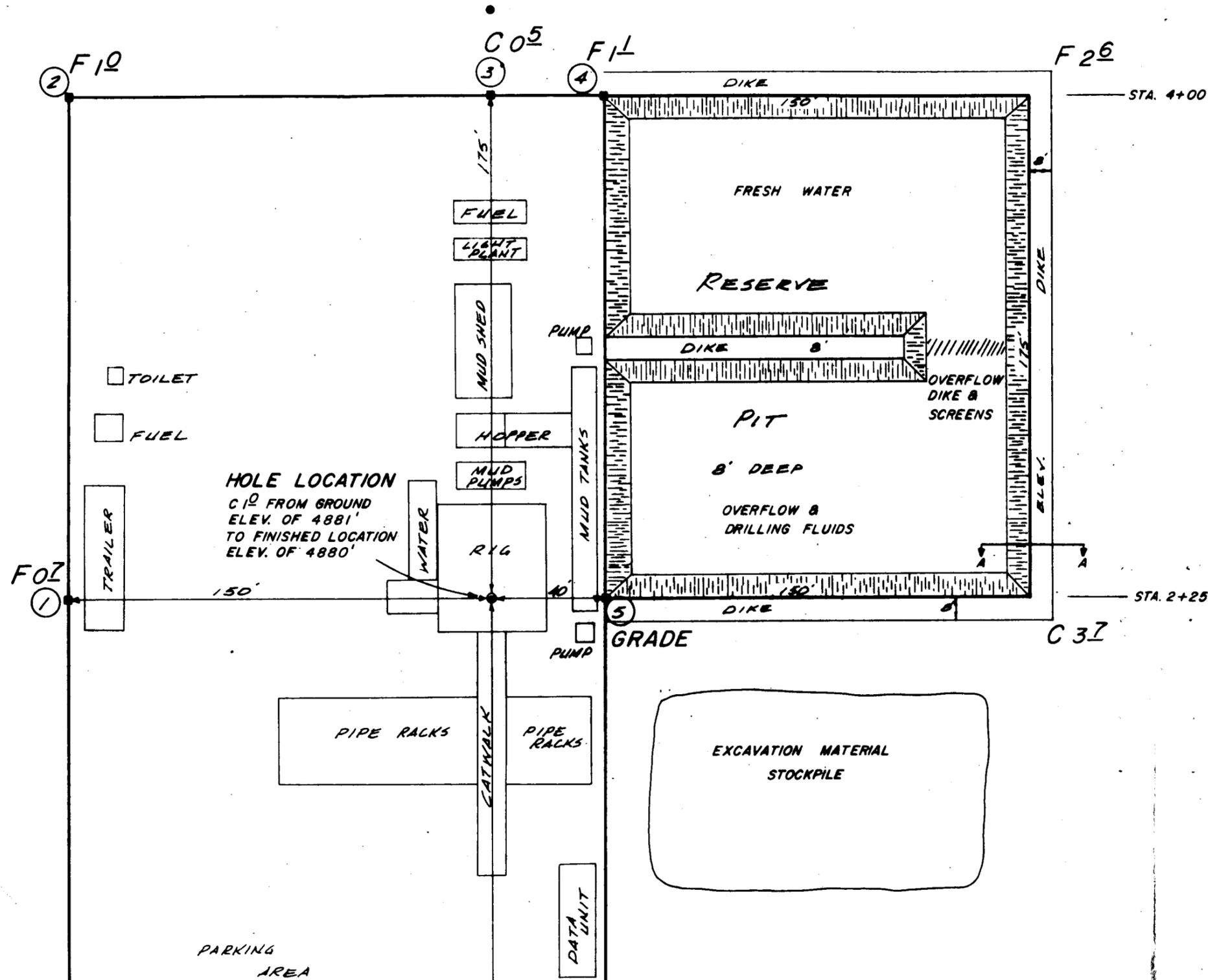
LOCATED IN THE SW 1/4 OF THE NW 1/4 OF
SECTION 25, T9S, R18E, S.L.B. & M.

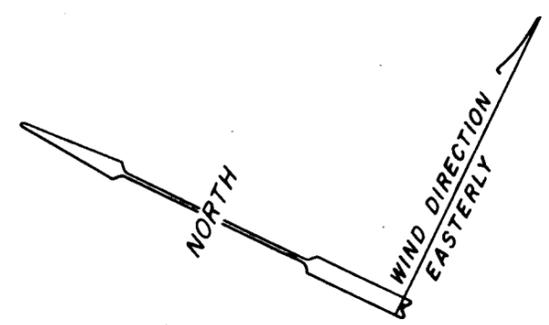
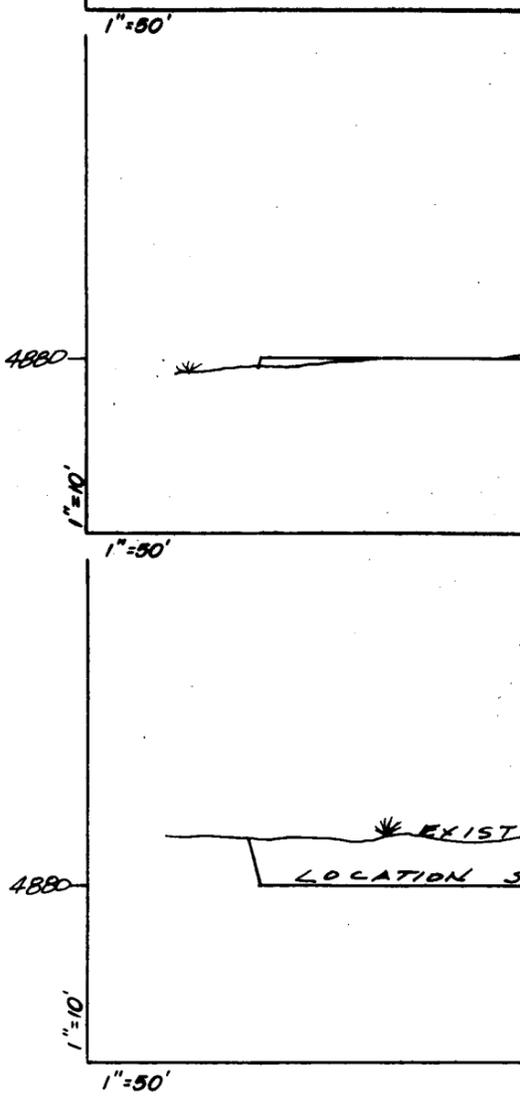
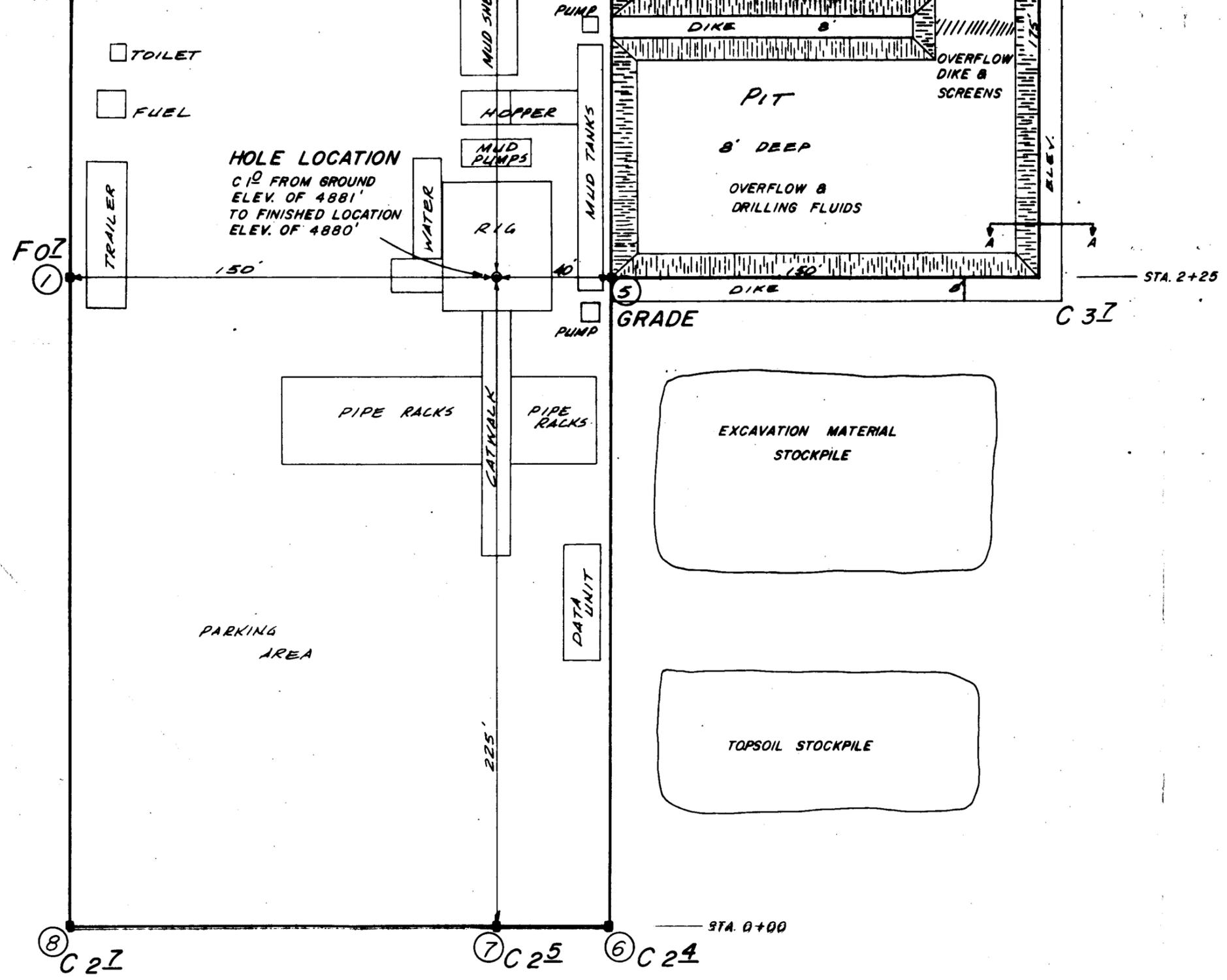


MAPCO, INC.

FEDERAL 5-25A

LAYOUT PLAT





SCALE 1" = 40'

NOTES

The location is located in a large flat with low ridges to the North. There is scattered brush and grass. Soil is light brown sandy clay and sandstone.

APPROXIMATE QUANTITIES

CUT: 8550 cu yds
 FILL: 300 cu yds

** FILE NOTATIONS **

DATE: June 9, 1980

OPERATOR: MAPCO Production Co. Alpine Executive Ctr

WELL NO: Federal 5-25A

Location: Sec. 25 T. 9S R. 18E County: Wintah

File Prepared:

Entered on N.I.D.:

Card Indexed:

Completion Sheet:

API Number 43-047-30727

CHECKED BY:

Petroleum Engineer: M.S. Minder 6-16-80

Director: _____

Administrative Aide: _____

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

Plotted on Map

Approval Letter Written

Hot Line

P.I.

June 16, 1980

Mapco Production Company
Alpine Executive Center
1643 Lewis Ave., Suite 202
Billings, Montana 59102

Re: Well No. Fed 5-25A
Sec 25, T9S, R18E
Uintah County, Utah

Insofar as this office is concerned, approval to drill the above oil well is hereby granted in accordance with Rule C-3, 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. Our 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 43-047-30727.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Michael T. Minder
Petroleum Engineer



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

June 26, 1980

Mr Ed Guynn, District Engineer
USGS, Conservation Division
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

Re: Joint On-Site Inspection
MAPCO Federal 5-25A T9S,
R18E, Section 25 U-9803

Dear Mr. Guynn:

A joint field examination was made on June 26, 1980 of the above referenced well site location and proposed access road. We feel that the surface use and operating plans are adequate with the following comments:

1. Construction and maintenance of roads, rehabilitation of disturbed areas, and construction of pipeline routes, 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. The maximum width of access roads will be 30 feet total disturbed area. Turnouts will not be required and travelling off the right-of-way will not be allowed.
3. The topsoil will be stockpiled and used for rehabilitation. The BLM recommends the top 8-10 inches of soil be stockpiled.
4. The BLM will be contacted at least 24 hours prior to any construction.
5. The BLM will be contacted at least 24 hours prior to any rehabilitation so that the operator may be appraised of seeding and restoration requirements.
6. Pit size will be reduced from 150' x 175' to 100' x 100'.
7. A cattleguard will be required in section 23 where the road goes through the fence.

(Should be there already)



An archaeological clearance has been conducted by Archaeological - Environmental Research Corporation of the proposed site and access road. No cultural materials were found.

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

Sincerely,



Ralph J. Heft *ACTME*
Area Manager
Diamond Mountain Resource Area

cc: ~~USGS~~, Vernal

maple
25-95-18E

Greg

Memorandum

To: District Oil and Gas Engineer, Mr. Edward Gynn

From: Mining, Supervisor, Mr. Jackson W. Moffitt

Subject: Application for Permit to Drill (form 9-331c) Federal oil and gas lease No. 11-9803 Well No. FD 5-25A

1. The location appears potentially valuable for:

strip mining*

underground mining** *oil shale*

has no known potential.

2. The proposed area is

under a Federal lease for _____ under the jurisdiction of this office.

not under a Federal lease under the jurisdiction of this office.

Please request the operator to furnish resistivity, density, Gamma-Ray, or other appropriate electric logs covering all formations containing potentially valuable minerals subject to the Mineral Leasing Act of 1920.

*If location has strip mining potential:

Surface casing should be set to at least 50 feet below the lowest strip minable zone at _____ and cemented to surface. Upon abandonment, a 300-foot cement plug should be set immediately below the base of the minable zone.

**If location has underground mining potential:

The minable zones should be isolated with cement from a point 100 feet below the formation to 100 feet above the formation. Water-bearing horizons should be cemented in like manner. Except for salines or water-bearing horizons with potential for mixing aquifers, a depth of 4,000 feet has been deemed the lowest limit for cementing.

Signed *Allen J. Vance*

✓



United States Department of the Interior

GEOLOGICAL SURVEY
Conservation Division
8440 Federal Building
Salt Lake City, Utah 84138

JUN 27 1980
OFFICE OF
OIL SHALE SUPERVISOR

Mr. Peter Rutledge
Area Oil Shale Supervisor
Area Oil Shale Office
131 North Sixth, Suite 300
Grand Junction, Colorado 81501

Well # 5-25A
25-9S-18E
MAPCO Production
Company
EA 496-80

Dear Mr. Rutledge,

The Office of Oil and Gas Operations, Conservation Division, received the attached Application for Permit to Drill, Deepen, or Plug Back (Form 9-331C).

Please review this proposal for any conflict with any of the resources in the oil shale tracts and withdrawal areas. If needed, set forth the stipulations you determine necessary for adequate protection. Please use the following space for your response (if there is none, so state), together with date and initials of person responsible and return to the Office of Oil and Gas Operations.

U.S. Geological Survey
8440 Federal Building
125 South State Street
Salt Lake City, Utah 84138

Mapco 5-25 A
Sec. 25, T. 9 S., R. 18 E.

June 27, 1980

Proposed casing and cementing program indicates that casing will be set with cement circulated to the surface. This program is acceptable for protection of the Green River oil shale section and aquifers.


Ray Brady
Geologist

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, Montana 59102

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 505' FWL & 1832' FNL, SW NW Sec
AT TOP PROD. INTERVAL: 25
AT TOTAL DEPTH: SAME

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

5. LEASE
U-9803

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.
Federal 5-25A

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 25, T9S, R18E

12. COUNTY OR PARISH Uintah 13. STATE Utah

14. API NO.
43-047-30727

15. ELEVATIONS (SHOW DF, KDB, AND WD)
4881' G.L.

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) <u>Well Status</u>	<input type="checkbox"/>		<input type="checkbox"/>

(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 5-25A will probably be drilled in late 1981.

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 12-12-80.
Richard Baumann

(This space for Federal or State office use)

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

NOTICE OF SPUD

MARCO
Production
P.L.A.

Caller: Darwin Kulland

Phone: _____

Well Number: 5-25A

Location: SWNW 25-9S-18E

County: Uintah State: Utah

Lease Number: U-9803

Lease Expiration Date: _____

Unit Name (If Applicable): _____

Date & Time Spudded: 1-14-81 4:00 P.M.

Dry Hole Spudder/Rotary: _____

Details of Spud (Hole, Casing, Cement, etc.) 12 1/4" hole

Rotary Rig Name & Number: Carmack Rig 5

Approximate Date Rotary Moves In: Jan. 29, 1981

FOLLOW WITH SUNDRY NOTICE

Call Received By: K.R.

Date: 1-15-81

RECEIVED

JAN 16 1981

REGISTRATION
DIVISION

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, Montana 59102**

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: **505' FWL & 1832' FNL, SW NW Sec**
AT TOP PROD. INTERVAL: **25**
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 type="checkbox"/>	<input checked="" type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>
(other)	<input type="checkbox"/>	<input type="checkbox"/>

5. LEASE
U-9803

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.
Federal 5-25A

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 25, T9S, R18E

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

14. API NO.
43-047-30727

15. ELEVATIONS (SHOW DF, KDB, AND WD)
4881' 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 T.D. from 5420' in the Wasatch to 5175' in the Green River Tongue.

**APPROVED BY THE DIVISION
OF OIL, GAS, AND MINING**
DATE: 1-22-81
BY: Mike Munder

RECEIVED

JAN 21 1981

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 1-19-81
Richard Baumann

(This space for Federal or State office use)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(FORM 9-329)
(2/76)
OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No. U-9803
Communitization Agree. Cont No. NA
Field Name NA
Unit Name River Bend Unit
Participating Area NA
County Uintah State Utah
Operator MAPCO Production Company
 Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of January, 19 81

Revised

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & ¼ of ¼	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
Fed 5-25A	Sec 25	9S	18E		0	0	0	0	
				Spudded well with air rig					
1-16-81				Drilled to 400'. Set 8 5/8" 32# casing @ 392'. Cement with 205 sacks.					

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced	_____	_____	_____
*Sold	_____	_____	XXXXXXXXXXXXXXXXXX
*Spilled or Lost	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX	_____	XXXXXXXXXXXXXXXXXX
*Used on Lease	_____	_____	XXXXXXXXXXXXXXXXXX
*Injected	_____	_____	_____
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	_____
*Other (Identify)	_____	_____	_____
*On hand, End of Month	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	_____	_____	XXXXXXXXXXXXXXXXXX

Authorized Signature: Richard Baumann Address: 1643 Lewis Ave., Billings, MT 59102
Title: Engineering Technician Page _____ of _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(FORM 9-329)
(2/76)
OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No. U-9803
Communitization Agreement No. NA
Field Name NA
Unit Name River Bend Unit
Participating Area NA
County Uintah State Utah
Operator MAPCO Production Company
 Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of February, 19 81

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

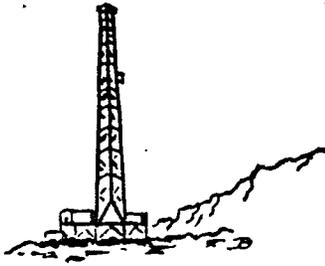
Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
Fed 5-25A	Sec 25	9S	18E	Dr1g	0	0	0	0	
									Air rig hole too deviated. Rig down big rig and respudded well 2-07-81. Drilled to 512'. Ran 8 5/8" casing, set @ 500', cement with 270 sacks. Drilled to 4100'. Core #1 4074-4108'
2-21-81									Drilled to a TD of 5220' in Green River Tongue. Ran logs. Set 5 1/2", 15.5# casing @ 5208', cemented with 610 sacks.

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*Produced	_____	_____	_____
*Sold	_____	_____	XXXXXXXXXXXXXXXXXXXX
*Spilled or Lost	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXXXX	_____	XXXXXXXXXXXXXXXXXXXX
*Used on Lease	_____	_____	XXXXXXXXXXXXXXXXXXXX
*Injected	_____	_____	_____
*Surface Pits	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	_____
*Other (Identify)	_____	_____	_____
*On hand, End of Month	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	_____	_____	XXXXXXXXXXXXXXXXXXXX

Authorized Signature: Richard Baumann Address: 1643 Lewis Ave., Billings, MT 59102
Title: Engineering Technician Page _____ of _____



L. D. "Vern" HUNTER
Consulting Geologist

TELEPHONE
(408) 656-5197
2903 PARKHILL DRIVE
BILLINGS, MONTANA, 59102

March 24, 1981

MAPCO PRODUCTION COMPANY

FEDERAL NO. 5-25A

SW $\frac{1}{4}$ NW $\frac{1}{4}$ SECTION 25, T. 9 S., R. 18 E.

SHEEP WASH FIELD

UINTAH COUNTY, UTAH

RECEIVED

APR 8 1981

DIVISION OF
OIL, GAS & MINING

Prepared for: MAPCO PRODUCTION
COMPANY

BY: L. D. 'Vern' Hunter
Consulting Geologist
Billings, Montana

OPERATOR: MAPCO Production Company

WELL: Federal No. 5-25A

LOCATION: SW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 25, T. 9 S., R. 18 E.
(505' FWL & 1832' FNL)
Uintah County, Utah

TOPOG REFERENCE: Uteland Butte

ELEVATIONS: 4881' Grd; 4890' KB est.

SPUD DATE: February 7, 1981

SURFACE CASING: Ran 13-3/8" casing set at 23'
Ran 8-5/8" casing to 500'. Cemented w/207 sx Type G

HOLE SIZE: 17-1/4" to 34'
12-1/4" to 500'
7-7/8" to 5220'

TD AND DATE: 5220' February 20, 1981 (4:30 P.M.)

CORES: No. 1: 4074-4108 (Green River "I" zone) cut/recovered 34'.

LOST CIRCULATION: None

FRACTURE ZONES: None

OIL ON PITS: Black oil more or less continuous after break No. 12.

WATER FLOWS: Est. 2725-50

SAMPLES: 30-foot samples from under surface to 3250'; 10-foot samples from 3250' to TD. Dry cut samples sent to: Utah Geological Survey, 606 Black Hawk Way, Research Park, Salt Lake City, Utah 84108.

DRILL STEM TESTS: DST #1: 3790-3840' (Green River "G" zone)

ELECTRIC LOGS: Schlumberger Engineer: Bill Heiam

Ran: Dual Laterolog/Micro - S FL/GR from 5208' to 508'
CNL/FDC - Caliper from 5220' to 2288'
Cyberlook from 5220' to 2288'

SAMPLE AND/OR PENETRATION RATE TOPS:

<u>Formation</u>	<u>Depth</u>	<u>Datum</u>
D SS	3510	+1380
G SS	3794	+1096
K	4344	+ 546
Wasatch Tongue	4765	+ 125

LOG TOPS:

<u>Formation</u>	<u>Depth</u>	<u>Datum</u>
Green River	1674	+3216
X Marker	2362	+2528
D Zone	3512	+1378
G Zone	3790	+1100
I Zone	4077	+ 813
K Zone	4336	+ 554
Wasatch Tongue	4778	+ 112
Green River Tongue	5172	- 282

MUD LOGGING UNIT:

Brown Mud Logging
Rt. 1 Box 67
Roosevelt, UT 84066
Tp 801-353-4237

Loggers:

Howard Warren
Tom Martin

CONTRACTOR:

Carmack Rig No. 5
592 Twenty-five Road
Grand Junction, CO 81501

Pusher:

Chris Carmack

MUD:

Milchem
Vernal, UT (785-6506)
Rock Springs #529 (Mobil)

Engineer:

Stan Sullivan
Jensen, UT (722-4462)

WELL-SITE DRILLING SUPERVISOR: Mitch Hall (MAPCO)

MAPCO PRODUCTION COMPANY: Dennis Brabec/Jim Benner
(Tp 406/248-7406)
Billings, MT

WELL-SITE GEOLOGIST: L. D. 'Vern' Hunter (Tp 406/656-5197)
2903 Parkhill Dr.
Billings, MT 59102

From 1504' to T.D.

STATUS:

To complete as a Green River oil well.
Ran 5½" K-55 casing to 5208', cemented with 610 sx.

RIG RELEASED:

February 22, 1981 (8:00 A.M.)

CHRONOLOGICAL HISTORY

<u>DATE</u>	<u>PTD</u>	<u>ACTIVITY</u>	<u>FOOTAGE</u>
February 7, 1981	8:00 a.m.		
8	8	Drilling	8
8	34	Drilling cement	26
9	207	Drilling	173
10	417	Drilling	210
11	512	NU BOP	95
12	610	Drilling	98
13	1504	Drilling	894
14	2392	Drilling	888
15	3219	Drilling	827
16	3840 SLM	Trip for DST #1	621
17	3998	Drilling	158
18	4100	Coring	102
19	4511	Circulating	411
20	5063	Drilling	552
21	5220	TIH	157
22	5220	WOC	-

DEVIATIONS

<u>DATE</u>	<u>DEPTH</u>	<u>AMOUNT</u>
February 9, 1981	66	1°
9	193	1°
10	289	1/4°
10	379	3/4°
12	502	3/4°
13	617	1/4°
13	983	1°
13	1412	1°
14	1902	2°
14	2363	2°
15	3158	2°
16	3464	2°
17	3840	2°
21	5180	1-1/2°

MUD CHECKS

<u>Date</u>	<u>Depth</u>	<u>Wt.</u>	<u>Vis.</u>	<u>Type</u>	<u>WL</u>	<u>Ph.</u>	<u>Solids</u>	<u>LCM</u>
February 7, 1981	8	8.4	27	Water	-	-	-	-
8	34	8.4	27	"	-	-	-	-
9	207	8.6	28	Spud Mud	-	10.0	2%	-
10	417	8.6	33	Spud Mud	-	10.0	2%	-
11	512	-	-	-	-	-	-	-
12	610	8.4	27	Water	-	10.0	tr	-
13	1504	8.5	28	Water	-	9.0	1%	-
14	2392	8.6+	28	Water	-	10.0	-	-
15	3219	8.4	27	Water	-	10.0	1%	-
16	3840	8.4	27	Water	-	10.0	1%	-
17	3998	8.4	28	Water	-	8.0	.5%	-
18	4100	8.4	28	Water	-	8.0	.5%	-
19	4511	8.4	28	Water	-	9.0	.5%	-
20	5063	8.9	32	*LSND	-	8.0	4%	-
21	5220	9.3	33	LSND	-	9.5	7%	-

*Low solids non-dispersed

BIT RECORDS

<u>No.</u>	<u>Size</u>	<u>Co.</u>	<u>Type</u>	<u>Out</u>	<u>Footage</u>	<u>Hours</u>	<u>Ave. Ft/Hr</u>
1	12-1/4"	HTC	X44	512	512	60.5	8.5
2	7-7/8"	Smith	F4	3840	3328	98.25	33.9
3	7-7/8"	HTC	J44	4074	234	9.5	24.6
4	7-7/8"	Christ	Diamond	4108	34	9.75	3.5
5	7-7/8"	HTC	J44 (RR)	5520	1112	43.75	25.4

REPORT FOR SHOWS & DRILLING BREAKS

<u>DATE</u>	<u>SHOW &/or BREAK #'s MW in MW out</u>	<u>DEPTH</u>	<u>DRLG. RATE BEFORE BREAK</u>	<u>DRLG. RATE FOR BREAK</u>	<u>DRLG. RATE AFTER BREAK</u>	<u>TOTAL GAS Before- During- After- Break</u>	<u>SAMPLE DESCRIPTION</u>
Feb. 13, 1981	1	1110-1120	1	.5	1	15-300-50	Sh, lt to med brn sndy, dol, <u>dull</u> <u>gold fl</u> , Ss, <u>wht</u> , vf sub-rd to sub ang.
13	2	1170-1182	1	.25	1	30-340-75	Sh, aa; ls, tan slty.
13	3	1200-1214	1	.5	1	75-175-40	Sh aa
13	4	1382-1412	1	.25	1	175-600-75	Sh aa; ss, f ang, uncon, tr ls, tan silty, <u>yell fl</u>
13	-	1504	-	-	-	BG 125 Conn 150	
14	5	1714-1716	2	1.5	2	15-365-20	Sh, brn, dol, <u>dull</u> <u>yell fl</u> , <u>wk yell cut</u> ; possible fracture, tr tan on spot plate
14	6	1850-1856	1.5	.75	1.5	25-125-25	Oil sh, lt-med brn, <u>pale yell fl</u> , <u>wk yell</u> <u>cut</u>
14	7	2282-2292	1	.75	1	10-90-25	Oil sh aa w/ls, tan vfx
14	-	2392	-	-	-	BG 15 Conn 110	
15	8	2380-2386	1	.75	2.5	10-710-25	Ss, gry, wht, vf, calc, <u>dull yell fl</u> <u>no cut or CF</u>
15	9	2668-2682	1.5	1	2	70-740-320	Oil sh, lt to dk brn, <u>spty to unif. med</u> <u>brn os</u> , <u>pale yell</u> <u>cut</u> , <u>tr tan ring</u> ; ls, tan, vfx
15	10	2826-2842	1.5	.75	1.5	600-900-650	Oil sh aa w/shows aa; tr ls aa
15	11	3004-3028	1.5	.5	1.5	350-650-400	Oil sh aa w/shows
15	12	3062-3082	2	1	2.5	450-800-450	Oil sh aa w/shows; ss, wht, vf, calc, <u>ti 1/2" oil on poss</u> <u>belly</u>
15	13	3150-3158	2	1	2.5	300-1000-450	Aa w/1/2" oil on p.b.
15	14	3166-3190	2	1	2.5	450-1050-50	Aa w/1/2" oil on p.b.
15	-	3219	-	-	-	BG 700 Conn 800	
16	15	3312-3326	2	.75	2	400-780-500	Ss, wht vf, calc, uncon in pt, <u>fnt tan</u> <u>os</u> , <u>dull gold fl</u> , <u>wk</u> <u>cut</u> , <u>fnt brn ring</u> , <u>oil on shaker</u>

REPORT FOR SHOWS & DRILLING BREAKS

DATE	SHOW &/or BREAK #/s MW in MW out	DEPTH	DRLG. RATE BEFORE BREAK	DRLG. RATE FOR BREAK	DRLG. RATE AFTER BREAK	TOTAL GAS Before- During- After- Break	SAMPLE DESCRIPTION
Feb. 16, 1981	16	3372-3380	2	.5	2	550-1000-600	Ss aa ex no cut. <u>Oil on shkr</u>
16	17	3416-3428	2.5	.5	2.5	650-840-650	Ss aa no cut; w/sh gry, sndy, <u>oil on pits</u>
16	18	3432-3452	2.5	2	2.5	650-1300-700	aa
16	19	3470-3490	2	.5	1	800-1080-840	aa
16	20	3534-3542	2.5	2	2.5	700-1220-960	Ss aa <u>pale yell fl,</u> <u>no stn, no cut, tr</u> <u>brn ring. Oil on</u> <u>pits.</u>
16	21	3624-3648	2	.5	2	700-1020-900	Ss aa, <u>oil on pits</u>
16	22	3662-3676	1.5	.5	1.5	860-1160-900	Aa, <u>oil on pits</u>
16	23	3760-3770	1.5	.75	1.5	680-920-800	Ss aa, <u>spty os, dull</u> <u>gold fl, no cut, tr</u> <u>brn ring. Oil on pits</u>
*							
16	-	3840	-	-	-	BG 780 Conn 920	
17	24	3904-3930	2.5	1.5	2	600-1460-750	Ss, gry, f, s.r. - s.a., uncon, NS w/sh, brn, <u>spty</u> <u>gold fl, no cut</u>
17	-	3998	-	-	-	BG 800 Conn 1000 TG? agitator broke	
18	25	4000-4016	2.5	1.5	2	700-1300-900	Sh, gry, soft, sdy, calc, <u>gold fl, ss</u> wht vf, calc, NS
18	26	4074-4092	2	.5	Core pt	1000-1440-1260	Ss, wht, vf, friable, calc, s.a.-s.r., NS <u>Oil on pits</u>
18	-	4100	-	-	-	BG 1200 Conn 900 TG 1360	
19	27	4284-4292	1.5	1	1.5	1000-1400-1000	Oil shale, tan to gry, <u>spty yell fl,</u> <u>stng cut, lt, brn</u> <u>ring; tr ss, gry to</u> <u>wht, vf, s.a., calc.</u> <u>oil on pits</u>
19	28	4340-4357	2.5	1	2	800-1600-900	Sh, gry, sndy, soft NS; tr ss aa NS.

Add 40' to breaks

* Breaks #1 through #23: lower by 40'± to match SLM and E. log.

Supplemental Report on Core Program will be
provided upon completion of core analysis

REPORT FOR SHOWS & DRILLING BREAKS

<u>DATE</u>	<u>SHOW &/or BREAK #/s MW in MW out</u>	<u>DEPTH</u>	<u>DRLG. RATE BEFORE BREAK</u>	<u>DRLG. RATE FOR BREAK</u>	<u>DRLG. RATE AFTER BREAK</u>	<u>TOTAL GAS Before- During- After- Break</u>	<u>SAMPLE DESCRIPTION</u>
Feb. 19, 1981	-	4511	-	-	-	BG 850 Conn 1100 TG 1150	
20	29	4550-4558	2	1.5	2.5	900-1440-800	Sh, lt gry, NS tr ss, wht, f s&p, fri, s.a.-s.r., NS; film oil on shkr
20	30	4860-4870	2	1.5	2	940-1450-1000	Ss aa, NS w/sh aa film oil on shkr
20	31	4890-4900	2	.75	1.5	900-1510-1000	Ss aa w/sl os, slow pale yell cut, tr brn ring. Film oil on shaker
20	32	4950-4958	3	1.5	2	960-1340-1000	Sh, gry, soft, dull gold fl, slow weak yell cut, fnt brn ring; 1/4" oil over shaker
20	-	5063	-	-	-	BG 520 Conn 680	
20	33 8.9	5118-5136	5.5	2	4	900-1650-950	Oil sh, lt-med brn, gold fl, unif brn os, fair immed stng brt yell fl, lt brn ring; tr ss, gry to wht, vf, hd, ti, calo

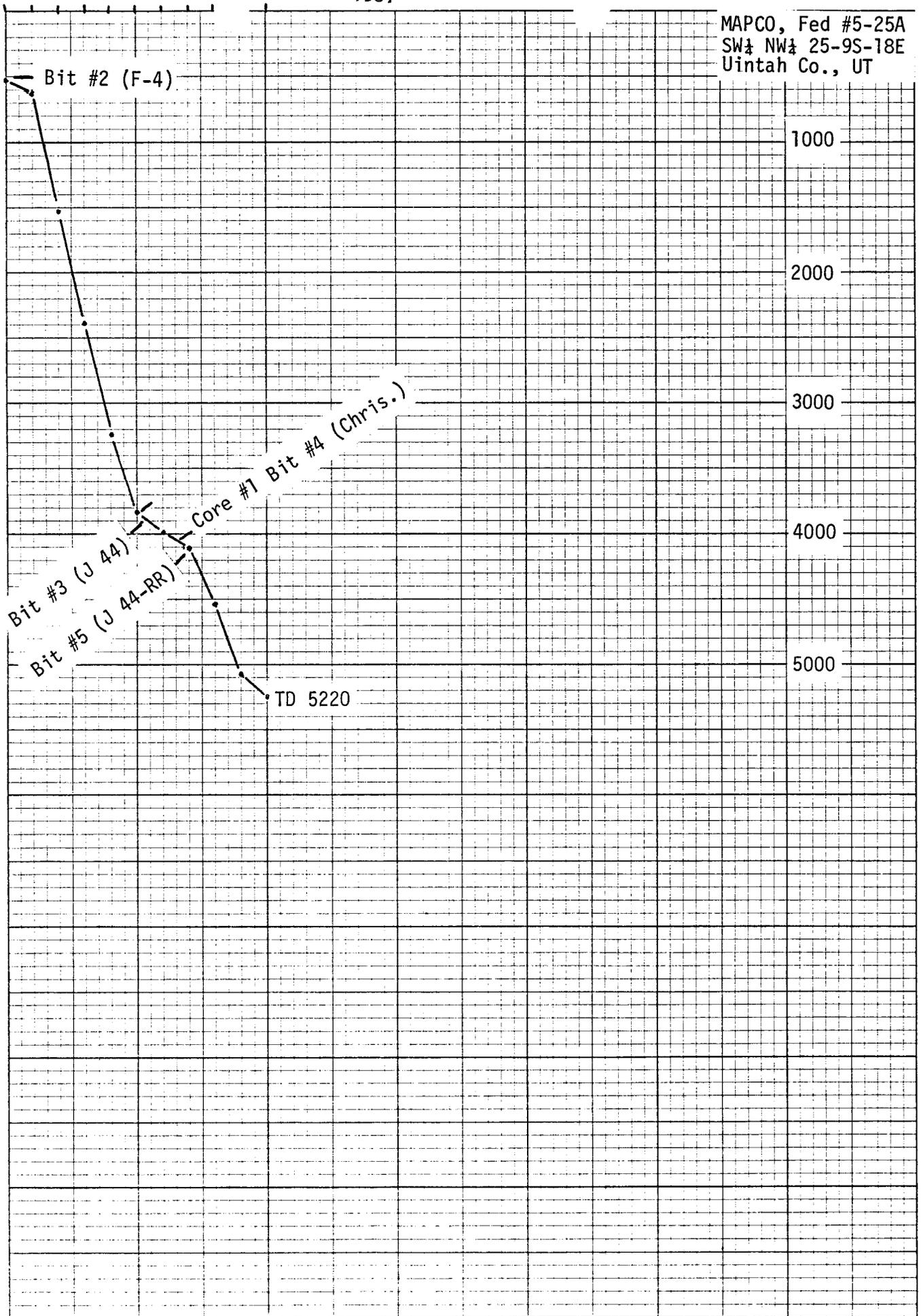
2/11

15

20

--1981

MAPCO, Fed #5-25A
SW $\frac{1}{4}$ NW $\frac{1}{4}$ 25-9S-18E
Uintah Co., UT



46 0780

10 X 10 TO THE INCH • 7 X 10 INCHES
KEUFFEL & ESSER CO. MADE IN U.S.A.
K+E

DRILL STEM TESTS

(Field Results)

DST #1: 3790-3840 (Green River "G" zone)

IF	15 min	open w/3" blow incr. to 12" in 15 min.	No gas to surface.
ISI	60 min		
FF	45 min	open w/3" blow incr. to 12" in 16 min, remained steady.	No gas to surface.
FSI	90 min		

PIPE RECOVERY: 651 ft. water

SAMPLER RECOVERY:

150 psi
2100 cc water

	<u>Res.</u>	<u>Chlorides</u>
Recovery water	.24 @ 70°F	30,000 ppm
Mud pit spl.	.4 @ 62°F	18,000 ppm
Mud pit spl. filt.	.4 @ 62°F	18,000 ppm

PRESSURES: (top chart)

IFP 66-104 psi
FFP 152-303 psi

ISIP 1774 psi
FSIP 1671 psi

IHP 1681 psi
FHP 1662 psi

BHT 82°

DATE: February 16, 1981

COMMENTS: Positive test

WITNESSED: Hall and Hunter

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

PRELIMINARY REPORT

CORE ANALYSIS REPORT

FOR

MAPCO PRODUCTION COMPANY

MAPCO FEDERAL #5-25A
SHEEP WASH FIELD
UINTAH COUNTY, UTAH

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
 DALLAS, TEXAS

PAGE 1

MAPCO PRODUCTION COMPANY
 MAPCO FEDERAL #5-25A
 SHEEP WASH FIELD
 UINTAH COUNTY, UTAH

DATE : MAR-06-81
 FORMATION : GREEN RIVER FM.
 DRLG. FLUID: KCL
 LOCATION : SW NW SEC 25-T9S-R18E

FILE NO : RP-4 5966
 ANALYSTS : BERNDT
 ELEVATION: 4890 KB

CONVENTIONAL CORE ANALYSIS

SAMPLE NUMBER	DEPTH	PERM K _a MAXIMUM	POR. FLD	FLUID OIL	SATS. WTR	DESCRIPTION
1	4074.0-75.0	<0.01	5.1	0.0	77.3	SS, GY VFG
2	4075.0-76.0	<0.01	2.9	0.0	71.6	SS, LTGY VFG SH/LAM
3	4076.0-77.0	<0.01	2.2	0.0	66.7	SS, LTGY VFG
4	4077.0-78.0	<0.01	1.1	0.0	19.5	SS, GY VFG
5	4078.0-79.0	<0.01	4.3	0.0	86.3	SS, GY VFG
6	4079.0-80.0	<0.01	3.0	0.0	75.7	SS, GY VFG
7	4080.0-81.0	<0.01	1.5	0.0	70.2	SS, GY VFG
8	4081.0-82.0	<0.01	0.5	0.0	79.7	SS, GY VFG
9	4082.0-83.0	<0.01	1.5	0.0	42.2	SS, LTGY VFG
10	4083.0-84.0	3.84	1.9	0.0	10.8	SS, LTGY VFG HF
	4084.0-97.0					SHALE--NO ANALYSIS--CLIENT'S REQUEST
11	4097.0-98.0	<0.01	1.1	0.0	19.4	LS, LTGY FXLN
12	4098.0-99.0	<0.01	0.8	13.6	27.1	LS, LTGY FXLN
	4099.0-07.0					SHALE--NO ANALYSIS--CLIENT'S REQUEST

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY
 (FORM 9-329)
 (2/76)
 OMB 42-RO 356
 MONTHLY REPORT
 OF
 OPERATIONS

Lease No. U-9803
 Communitization Agreement No. NA
 Field Name NA
 Unit Name River Bend Unit
 Participating Area NA
 County Uintah State Utah
 Operator MAPCO Production Company
 Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of March, 19 81

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
Fed 5-25A	Sec 25	9S	18E	Dr/g	0	0	0	0	T.D. 5220' - Perforated Wasatch Tongue 4923-4932', 4866-4869', 4890-4898', J zone 4282-90', GP K zone 4441-46', 4426-31'. Broke down Wasatch Tongue w/2000 gal 15% HCl. Broke down J zone w/1200 gal 15% HCl. Diesel fraced J zone w/5000 gal gelled diesel, 7500# 20/40 sand.

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced	_____	_____	_____
*Sold	_____	_____	XXXXXXXXXXXXXXXXXX
*Spilled or Lost	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX	_____	XXXXXXXXXXXXXXXXXX
*Used on Lease	_____	_____	XXXXXXXXXXXXXXXXXX
*Injected	_____	_____	_____
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	_____
*Other (Identify)	_____	_____	_____
*On hand, End of Month	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	_____	_____	XXXXXXXXXXXXXXXXXX

Authorized Signature: Richard Baumann Address: 1643 Lewis Ave., Billings, MT 59102
 Title: Engineering Technician Page _____ of _____

Contractor <u>Carmack Drlg. Co.</u>	Top Choke <u>1/4"</u>
Rig No. <u>5</u>	Bottom Choke <u>9/16"</u>
Spot <u>SW-NW</u>	Size Hole <u>7 7/8"</u>
Sec. <u>25</u>	Size Rat Hole <u>--</u>
Twp. <u>9 S</u>	Size & Wt. D. P. <u>3 1/2" 13.30</u>
Rng. <u>18 E</u>	Size Wt. Pipe <u>--</u>
Field <u>Wildcat</u>	I. D. of D. C. <u>2 1/4"</u>
County <u>Uintah</u>	Length of D. C. <u>407'</u>
State <u>Utah</u>	Total Depth <u>3840'</u>
Elevation <u>4891' K.B.</u>	Interval Tested <u>3790-3840'</u>
Formation <u>Green River</u>	Type of Test <u>Bottom Hole</u> <u>Conventional</u>

Flow No. 1	<u>15</u>	Min.
Shut-in No. 1	<u>60</u>	Min.
Flow No. 2	<u>45</u>	Min.
Shut-in No. 2	<u>90</u>	Min.
Flow No. 3	<u>--</u>	Min.
Shut-in No. 3	<u>--</u>	Min.

Bottom Hole Temp. 82°
Mud Weight 8.5
Gravity --
Viscosity 28

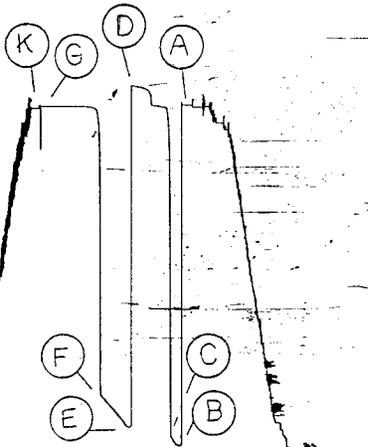
Tool opened @ 1:05 PM

Inside Recorder

PRD Make Kuster AK-1
No. 3697 Cap. 3700 @ 3795'

	Press	Corrected
Initial Hydrostatic	A	1678
Final Hydrostatic	K	1666
Initial Flow	B	56
Final Initial Flow	C	101
Initial Shut-in	D	1770
Second Initial Flow	E	150
Second Final Flow	F	302
Second Shut-in	G	1674
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--

Lynes Dist.: Rock Springs, Wy.
Our Tester: James Samoy
Witnessed By Mitch Hall



Did Well Flow - Gas No Oil No Water No
RECOVERY IN PIPE: 651' Formation Fluid = 3.79 bbl.
Top Sample: R.W. .24 @ 74° = 26000 ppm. cl.
Middle Sample: R.W. .22 @ 74° = 28000 ppm. cl.
Bottom Sample: R.W. .22 @ 74° = 28000 ppm. cl.

Blow Description:
1st Flow: Tool opened with a 3" underwater blow and increased to bottom of bucket blow at end of flow period.
2nd Flow: Tool opened with a 3" underwater blow, increased to bottom of bucket in 16 minutes and remained thru flow period.

DIVISION OF
OIL & GAS MINING

Operator Magco Production Co.
 Address See Distribution
 Ticket No. 20501
 Date 2-15-81
 No. Final Copies 9
 Well Name and No. Federal #5-25-A
 DST No. 1

LYNES, INC.

Mapco Production Co.

Federal #5-25-A

1

Operator

Well Name and No.

DST No.

Inside Recorder

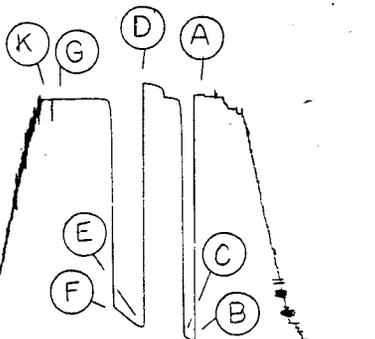
PRD Make Kuster AK-1

No. 2559 Cap. 5050 @ 3800'

Press Corrected

Initial Hydrostatic	A	1681
Final Hydrostatic	K	1672
Initial Flow	B	67
Final Initial Flow	C	103
Initial Shut-in	D	1782
Second Initial Flow	E	162
Second Final Flow	F	305
Second Shut-in	G	1678
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--

Pressure Below Bottom
Packer Bled To



PRD Make _____

No. _____ Cap. _____ @ _____

Press Corrected

Initial Hydrostatic	A	
Final Hydrostatic	K	
Initial Flow	B	
Final Initial Flow	C	
Initial Shut-in	D	
Second Initial Flow	E	
Second Final Flow	F	
Second Shut-in	G	
Third Initial Flow	H	
Third Final Flow	I	
Third Shut-in	J	

Pressure Below Bottom
Packer Bled To

LYNES, INC.

Sampler Report

Company Mapco Production Co. Date 2-15-81
Well Name & No. Federal #5-25-A Ticket No. 20501
County Uintah State Utah
Test Interval 3790-3840' DST No. 1

Total Volume of Sampler: 2100 cc.
Total Volume of Sample: 2100 cc.
Pressure in Sampler: 150 psig
Oil: None cc.
Water: 2100 cc.
Mud: None cc.
Gas: None cu. ft.
Other: None
Sample: R.W. .24 @ 70° = 27000 ppm. cl.

Resistivity

Make Up Water .4 @ 62° of Chloride Content 18000 ppm.
Mud Pit Sample .4 @ 62° of Chloride Content 18000 ppm.
Gas/Oil Ratio _____ Gravity _____ °API @ _____ °F

Where was sample drained On location

Remarks: _____

LYNES, INC.

Distribution of Final Reports

Mapco Production Company
Operator

Federal #5-25-A
Well Name and No.

Original &

1 Copy: Mapco Production Company, Suite 202, Alpine Executive Center
1643 Lewis Avenue, Billings, Montana 59102

1 Copy: Gillman A. Hill, 6200 Plateau Drive, Englewood, CO. 80110

2 Copies: Mapco, Inc. Production Division, 1800 S. Baltimore Avenue, Tulsa, Okla.
84066, Attention: Les Clutter

1 Copy: Mapco Production Company, P.O. Box 1360, Roosevelt, Utah 84066
Attention: Darwin Kulland

2 Copies: Axem Resources, Inc. Suite 1130, 410 17th Street, Denver, CO. 80202

1 Copy: State of Utah, Department of Natural Resources, Division of Oil, Gas &
Mining, 1588 North West Temple, Salt Lake City Utah 84116

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(FORM 9-329)
(2/76)
OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No. U-9803
Communitization Agreement No. NA
Field Name NA
Unit Name River Bend Unit
Participating Area NA
County Uintah State Utah
Operator MAPCO Production Company

Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of April, 19 81

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
Fed 5-25A	Sec 25	9S	18E	Drlg	0	0	0	0	Swabbed well - SI to evaluate formation.

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced	<u>0</u>	<u>0</u>	<u>0</u>
*Sold	_____	_____	XXXXXXXXXXXXXXXXXX
*Spilled or Lost	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX	_____	XXXXXXXXXXXXXXXXXX
*Used on Lease	_____	_____	XXXXXXXXXXXXXXXXXX
*Injected	_____	_____	_____
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	_____
*Other (Identify)	_____	_____	_____
*On hand, End of Month	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	_____	_____	XXXXXXXXXXXXXXXXXX

Authorized Signature: Richard Baumann Address: 1643 Lewis Ave., Billings, MT 59102
Title: Engineering Technician Page _____ of _____

PLA

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, Montana 59102

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 505' FWL & 1832' FNL, SW NW Sec
AT TOP PROD. INTERVAL: 25
AT TOTAL DEPTH: SAME

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

5. LEASE
U-9803

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.
Federal 5-25A

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 25, T9S, R18E

12. COUNTY OR PARISH Uintah 13. STATE Utah

14. API NO.
43-047-30727

15. ELEVATIONS (SHOW DF, KDB, AND WD)
4881' G.L.

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) _____

(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 abandon the Fed. 5-25A. Please see the attached procedure.

MAY 20 1981
DIVISION OF
OIL, GAS & MINING

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 7/21/81
BY: *CB Ferguson*

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

18. I hereby certify that the foregoing is true and correct
SIGNED *Richard Baumann* TITLE Engr. Tech. DATE 5-22-81

(This space for Federal or State office use)

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

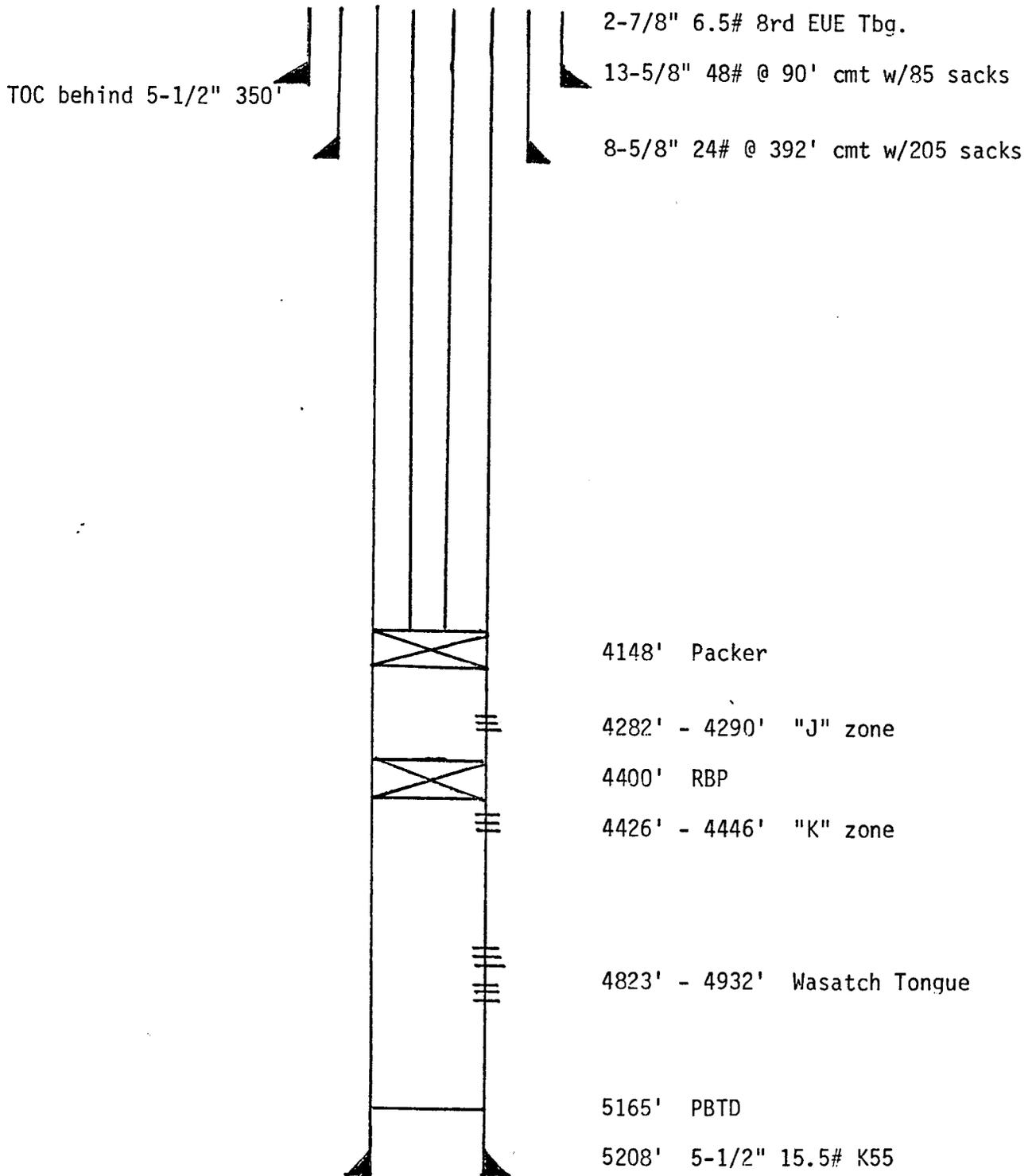
FEDERAL 5-25A
SW NW Section 25, T. 9 S., R. 18 E.
Uintah County, Utah

ABANDONMENT PROCEDURE

1. RU completion rig.
2. ND tree, NU BOP.
3. Release pkr at 4148'.
4. Retrieve RBP at 4400' and POOH.
5. RIH with 2-7/8" tubing open ended to 4950'.
6. RU service company and set a cement plug up to 4700'.
7. Pull up to 4460'.
8. Set a cement plug extending from 4460' to 4180'.
9. Pull up to 2550'.
10. Set a cement plug extending from 2550' to 2300' (Mahogany Oil Shale).
11. POOH and LD 2-7/8" tubing.
12. Set a 10-sack surface plug and install dry hole marker. The dry hole marker is to consist of a length of pipe no less than 4" in diameter and not less than 10' in length with 4' in the cement. A sign shall be attached which includes the well name, number and legal description.
13. Reshape and revegetate the location in a manner consistent with local environmental conditions.

JJE/jlu
5-20-81

FEDERAL 5-25A
SW NW SEC 25, T. 9 S., R. 18 E.
UINTAH COUNTY, UTAH



JJE
5-19-81

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(FORM 9-329)
(2/76)
OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No. U-9803
Communitization Agreement No. NA
Field Name NA
Unit Name River Bend Unit
Participating Area NA
County Uintah State Utah
Operator MAPCO Production Company
 Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of May, 19 81

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & ¼ of ¼	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
Fed 5-25A	Sec 25	9S	18E	Dr1g	0	0	0	0	Evaluating formation

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced	<u>0</u>	<u>0</u>	<u>0</u>
*Sold	_____	_____	XXXXXXXXXXXXXXXXXX
*Spilled or Lost	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX	_____	XXXXXXXXXXXXXXXXXX
*Used on Lease	_____	_____	XXXXXXXXXXXXXXXXXX
*Injected	_____	_____	_____
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	_____
*Other (Identify)	_____	_____	_____
*On hand, End of Month	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	_____	_____	XXXXXXXXXXXXXXXXXX

Authorized Signature: Richard Bauman Address: 1643 Lewis Ave., Billings, MT 59102
Title: Engineering Technician Page _____ of _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

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

5

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
MAPCO Production Co.

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations)*
At surface 480' FWL & 1832' FNL, SW NW Sec. 25, T9S, R18E
At top prod. interval reported below Same
At total depth Same

14. PERMIT NO. 43-047-30727 DATE ISSUED 6-16-80

5. LEASE DESIGNATION AND SERIAL NO.
U-9803

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.
Fed 5-25A

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 25, T9S, R18E

12. COUNTY OR PARISH Uintah 13. STATE UT

15. DATE SPUNDED 1-16-81 16. DATE T.D. REACHED 2-20-81 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 4881 GL 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 5220' 21. PLUG, BACK T.D., MD & TVD P&A 22. IF MULTIPLE COMPL., HOW MANY* 3 23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS Surface to TD

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 DLL, Micro, SFL, GR, FDC, CNL 27. WAS WELL CORED Yes

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48#	90'	17-1/2	85 SX	
8-5/8"	32#	392'	12-1/4	205 SX	
8-5/8"	32#	500'	12-1/4	270 SX	
5-1/2"	15.5#	5208'	7-7/8	610 SX	

29. LINER RECORD 30. TUBING 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 3-14-81 (Swab) PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or shut-in) P&A

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

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

35. LIST OF ATTACHMENTS
Perforation and Breakdown

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED Richard Bauman TITLE Engineering Tech. DATE 6-18-81

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

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.
Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	
					TOP	
					TRUE VERT. DEPTH	
				Green River	1674'	+3216
				X Marker	2362'	+2528
				D zone	3512'	+1378
				G zone	3790'	+1100
				I zone	4072'	+ 813
				K zone	4336'	+ 554
				Wasatch Tongue	4778'	+ 112
				Gr River Tongue	5172'	- 282

Fed. 5-25A

Perforations 2 spf

4923-4932', 4866-4869', 4890-4898' - Wasatch Tongue, 48 holes
Breakdown 2000 gal. 15% HCl

4282-4290' - Green River J zone; 4426-4431', 4441-4446' - Green River K
zone, 24 holes
1200 gal. 15% HCl

