

UTAH DIVISION OF OIL, GAS AND MINING

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

U.S.G.S. resented application for permit to Drill 12-17-81

DATE FILED 8-4-80

LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. U-10987 INDIAN

DRILLING APPROVED: 8-8-80

SPUDED IN:

COMPLETED: PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED: 12-16-81 LOCATION ABANDONED

FIELD: UNDESIGNATED 3/86 Natural Buttes

UNIT: RIVER BEND UNIT

COUNTY: UINTAH

WELL NO. RBU 11-30C

API NO: 43-047-30753 ³⁰⁷⁶⁴

LOCATION 2236' FT. FROM (MX) (S) LINE. 3224' FT. FROM (E) ~~XXX~~ LINE. NE SW 1/4-1/4 SEC 30

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
9S	20E	30	MAPCO PRODUCTION CO.				

FILE NOTATIONS

Entered in NID File _____

Checked by Chief _____

Entered on SR Sheet _____

Copy NID to Field Office _____

Location Map Pinned _____

Approval Letter _____

Card Indexed _____

Disapproval Letter _____

IWR for State or Fee Land _____

COMPLETION DATA:

Date Well Completed _____

Location Inspected _____

OW _____ WW _____ TA _____

Band released _____

GW _____ OS _____ PA _____

State of Fee Land _____

LOGS FILED

Driller's Log _____

Electric Logs (No.) _____

E _____ I _____ E-I _____ GR _____ GR-N _____ Misc _____

Lat _____ Mi-L _____ Sonic _____ Others _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.
U-10987

6. INDIAN ALLOTTEE OR TRIBE NAME
None

7. AGREEMENT NAME
Silver Bend Unit

8. FARM OR LEASE NAME
None

9. WELL NO.
RBO 17-300

10. FIELD AND POOL, OR WILDCAT
Wasatch

11. SEC. T. R. M. OR BLM. AND SURVEY OR AREA
Sec 30, T9S, R20E

12. COUNTY OR PARISH AND STATE
Utah, Utah

13. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
8 miles South of Ouray, Utah

14. TYPE OF WORK
DRILL DEEPEN PLUG BACK

15. TYPE OF WELL
OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

16. NAME OF OPERATOR
MAPCO Production Company
Alpine Executive Center

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

18. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface: 2236' FSL & 3224' FEL, NE SW Sec 30, T9S, R20E
At proposed prod. zone: Same

19. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)
2236'

20. NO. OF ACRES IN LEASE
1340.05

21. NO. OF ACRES ASSIGNED TO THIS WELL
640

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

23. PROPOSED DEPTH
7000'

24. ROTARY OR CABLE TOOLS
Rotary

25. ELEVATIONS (Show whether DF, RT, GR, etc.)
4689 G.L.

26. APPROX. DATE WORK WILL START*
Summer 1980

27. 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#	400'	Cement to surface
7-7/8"	4-1/2"	9.5# & 10.5#	7000'	Cement to surface

1. Drill a 12-1/4" hole with an air rig to 400', run 8-5/8", 24#, H-40 casing and cement to surface.
2. NU and pressure test BOP stack (see Fig 1) 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 7000' with a salt water mud system. No cores are planned. DST's will be run as needed to evaluate unexpected shows.
5. Run logs. Set 4-1/2", 9.5# & 10.5#, K-55 casing as dictated by drilling show tests and logs. Casing program may be modified to provide added burst strength if needed for frac program.
6. Primary zones of interest are the Chapita Wells and Uteland Butte sections of the Wasatch.
7. All zones indicating potential for economically recoverable reserves will be tested in a normal, prudent manner.

SEE BACK FOR FORMATION LOG TOPS
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.

28. SIGNED Richard Baumann TITLE Engineering Technician DATE 7-25-80

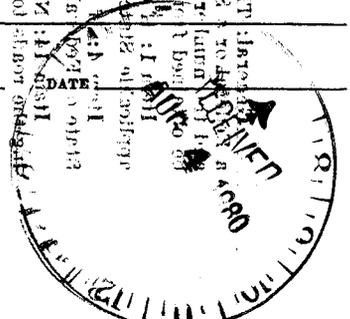
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING TITLE _____ DATE _____

DATE: 8-16-80

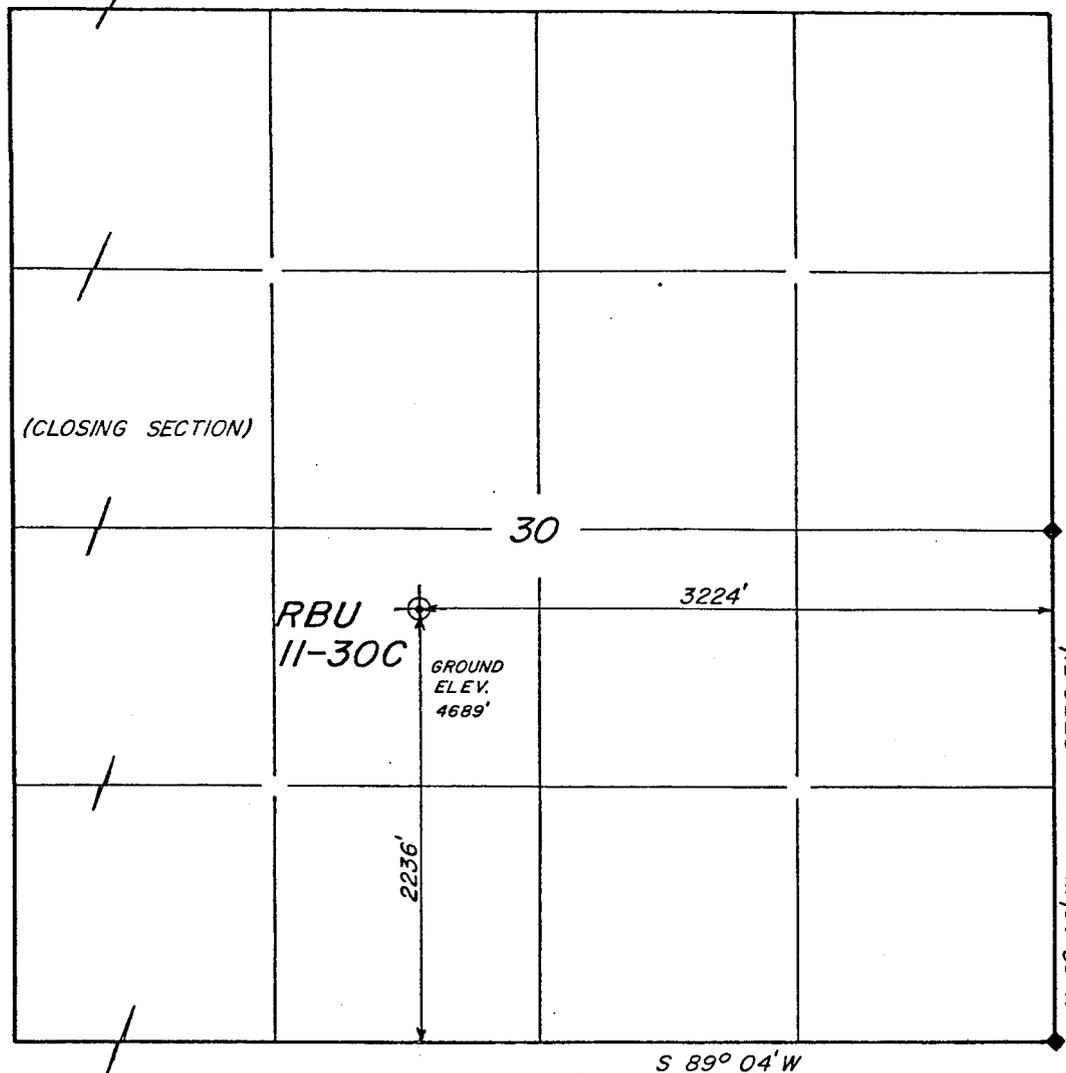
BY: M. G. Minder *See Instructions On Reverse Side



MAPCO, INC.
 WELL LOCATION
 RBU 11-30C

LOCATED THE NE $\frac{1}{4}$ OF THE SW $\frac{1}{4}$ OF
 SECTION 30, T9S, R20E, S. L. B. & M.

MAY 5 1980



SCALE: 1"=1000'

Exhibit
 A.

LEGEND & NOTES

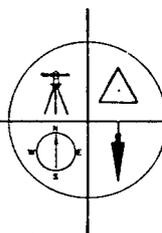
- ◆ FOUND BRASS CAP ON PIPE MONUMENTS
 USED FOR THIS SURVEY.

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

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

Attached to Form 9-331C

Company: MAPCO PRODUCTION COMPANY

Well: RBU 11-30C

Well Location: 2236' FSL & 4689' FEL

Section 30, T9S, R20E

County: Uintah

State: Utah

1. Geologic Surface Formation

UINTAH

2. Estimated Important Geologic Markers

<u>Formation</u>	<u>Depth</u>
Uintah	Surface
Green River	1587'
Wasatch	5151'
Chapita Wells	5821'
Uteland Buttes	6901'

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

<u>Formation</u>	<u>Depth</u>	<u>Remarks</u>
Green River X marker	2329'	Oil zone
Green River I zone	3987'	Oil zone
Green River Brown zone	4617'	Oil zone
Chapita Wells	5821'	Gas 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'	Cement to surface
4-1/2"	9.5# & 10.5#, K-55	7000'	Cement 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

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 400 ' to T.D. No drill stem tests will be run. No coring will be done. The logging program will include Dual Laterolog BHC Sonic-Neutron with F log, caliper, and G.R. from T.D. to 3200'. Gamma Ray will be run from 7000' to surface.

9. Any Anticipated Abnormal Pressures or Temperatures Expected

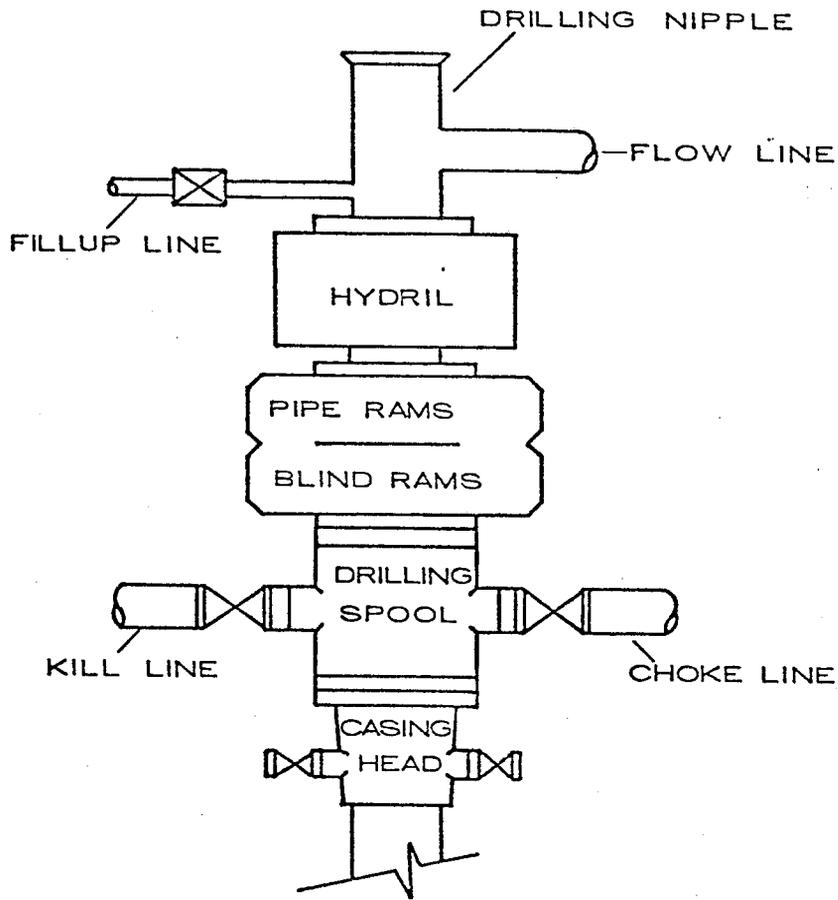
No abnormal pressures are anticipated nor is the area known for abnormal temperatures. The formations to be penetrated do not contain H₂S gas.

10. The Anticipated Starting Date and Duration of the Operations

Starting Date: Summer 1980

Duration: 20 days

BOP STACK



CHOKE MANIFOLD

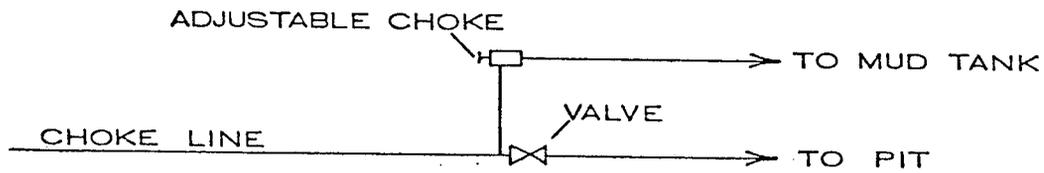


FIGURE 1

MULTI-POINT REQUIREMENTS TO ACCOMPANY APD

Attached to Form 9-331C

COMPANY: MAPCO PRODUCTION COMPANY

WELL: RBU 11-30C

WELL LOCATION: 2236' FSL & 3324' FEL

Section 30, T9S, R20E

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 B₁.
- C. An access road of about 250' will be needed to reach the location from the existing road as shown in Exhibit B.
- D. All existing roads are shown on Exhibit B₂.
- 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: None
3. Temporarily abandoned wells: OSC #4, OSC #4A
4. Disposal wells: None
5. Drilling wells: None
6. Producing wells: None
7. Shut-in wells: Federal 7-25B
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: Federal 7-25B
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 B2.

- A. Water will be hauled from Willow Creek, located 3500' FWL & 500' FNL Section 24, T9S, R19E. Permit No 54802 49-368.
- 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 D is the drill pad layout on a scale of 1" = 40'.
2. & 3. Exhibit D is a layout of the drilling rig, pits, and burn pits. Parking and trailers will be along the North side of the area as shown. The access road will be from the North. Soil stockpiles are also shown on Exhibit D.
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 location is situated in the bottom of the canyon of Willow Creek, with high sandstone ridges south and west.

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, magpies, 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 B2):

Occupied dwellings (if any, shown on Exhibit B): None

Archaeological or historical sites (if any, shown on Exhibit B):
A unit-wide Cultural Mitigation study, AERC Paper No. 18, has been conducted.

12. Lessee's or Operator's Representative

James D. Holliman
Manager of Operations
MAPCO Production Company
Alpine Executive Center
1643 Lewis Ave., Suite 202
Billings, Montana 59102

Phone: (406) 248-7406
or
(406) 656-8435

or

Darwin Kulland
District Superintendent
MAPCO Production Company
P.O. Box 1360
Roosevelt, Utah 84066

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

DATE

7/30/80

NAME J.D. Holliman

Manager of Operations

TITLE

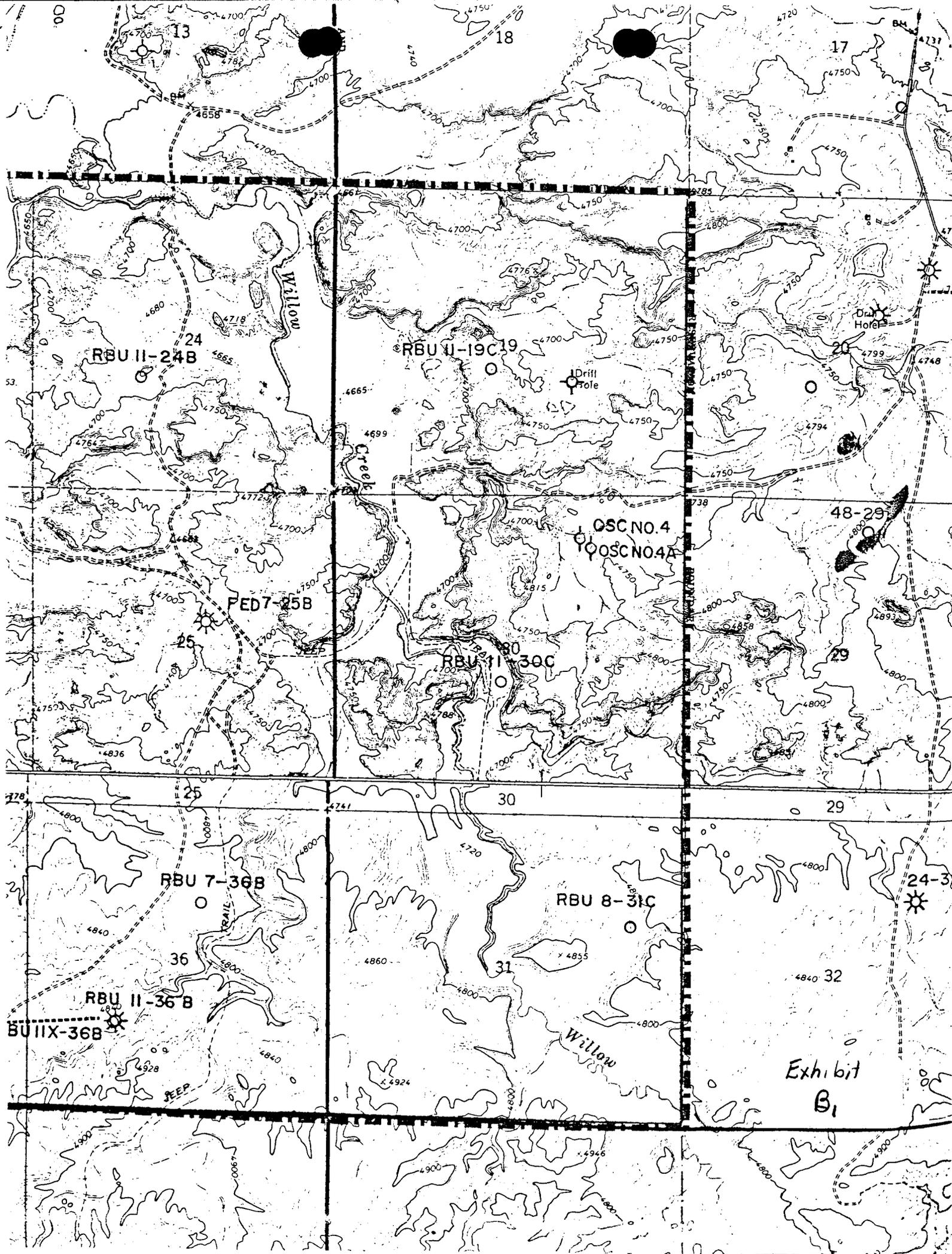
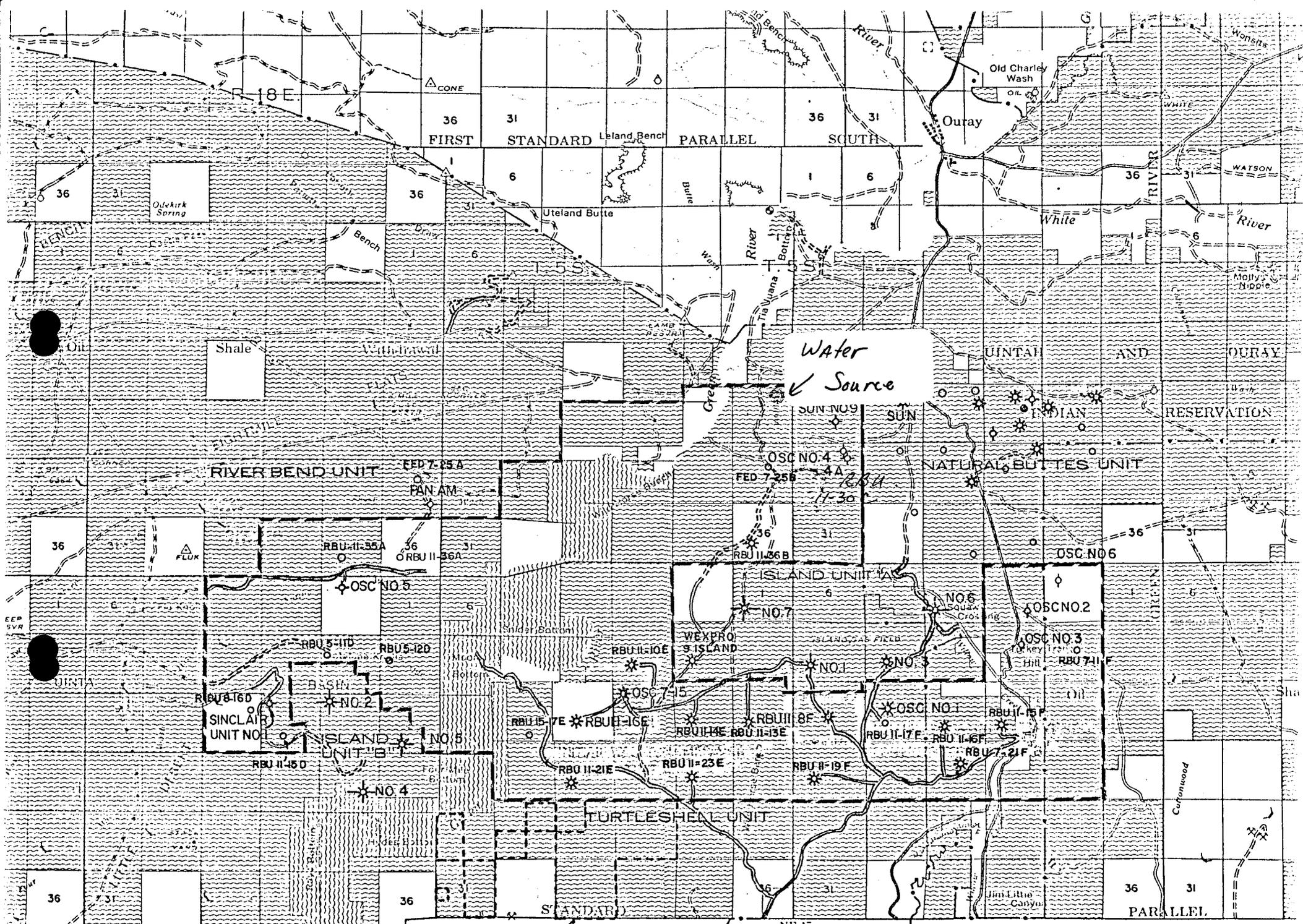


Exhibit
B1



R. 18 E.

MAPCO ACREAGE R. 19 E.

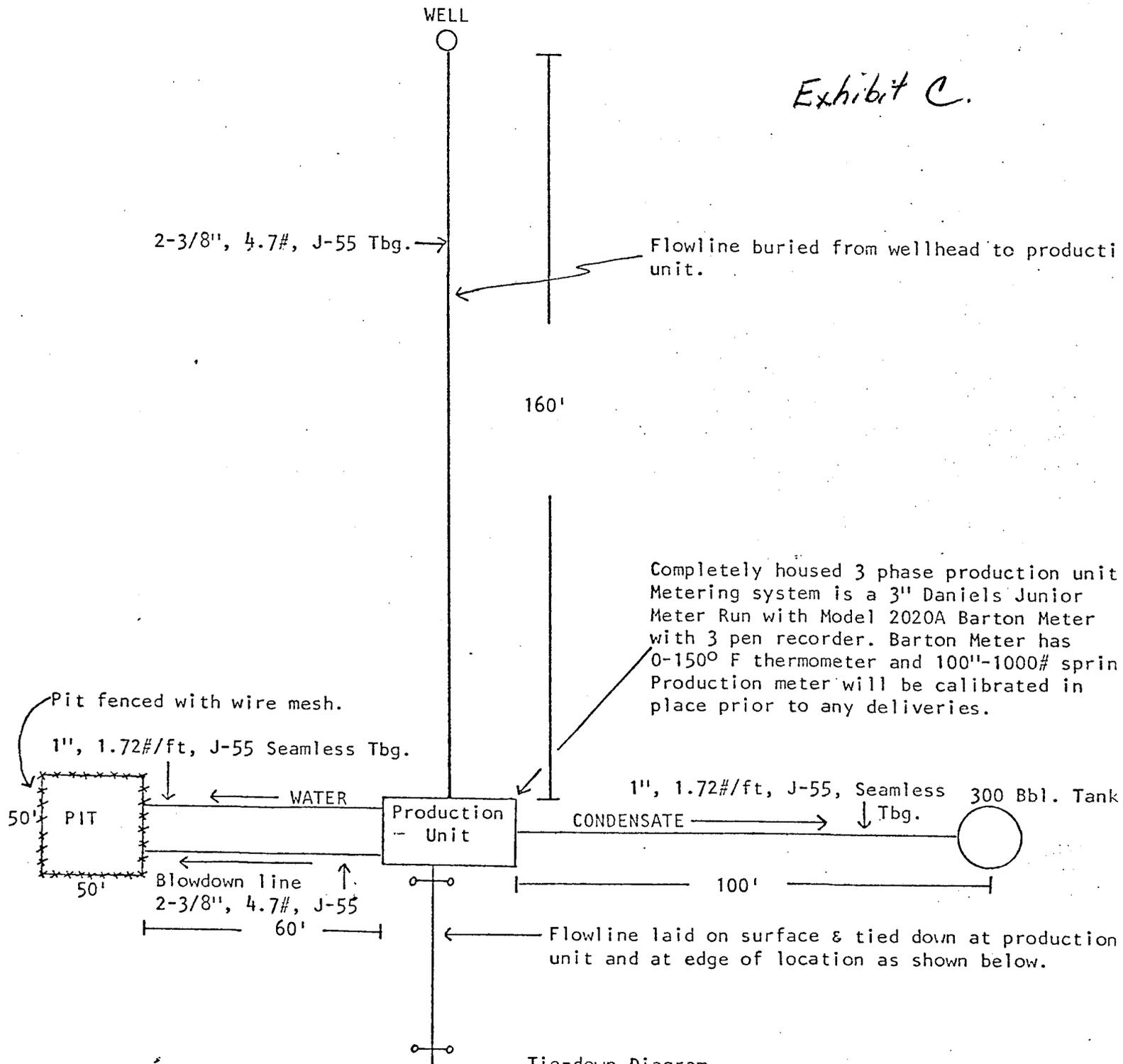
NE-17
AUG. 1975
(REVISED)

R. 20 E.

Exhibit

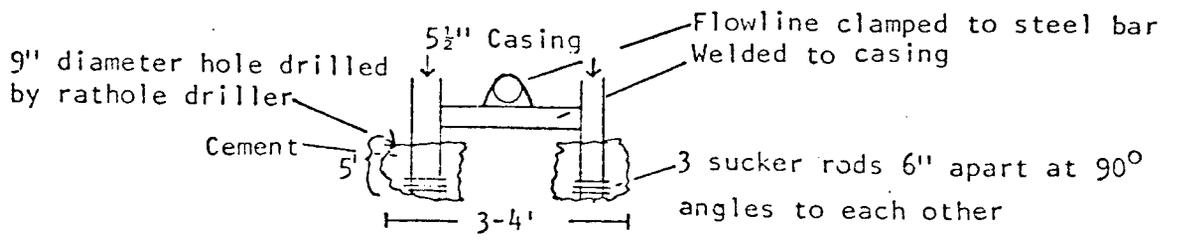
B₂

Exhibit C.



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# spring Production meter will be calibrated in place prior to any deliveries.

Tie-down Diagram



** FILE NOTATIONS **

DATE: Aug 4, 1980
OPERATOR: Mapco Production Co.
WELL NO: RBV 11-30C
Location: Sec. 30 T. 9S R. 20E County: Uintah

File Prepared: Entered on N.I.D:
Card Indexed: Completion Sheet:

API Number 43-047-30753

CHECKED BY:

Petroleum Engineer: M.J. Minder 9-6-80

Director: _____

Administrative Aide: _____

APPROVAL LETTER:

UNIT

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 Ad Plotted on Map

Approval Letter Written

Hot Line P.I.

August 8, 1980

MAPCO Production Company
Alpine Executive Center
1643 Lewis Avenue, Suite 202
Billings, Montana 59102

RE: Well No. RBU 8-31C, Sec. 31, T. 9S, R. 20E, Uintah County, Utah
Well No. RBU 11-15D, Sec. 15, T. 10S, R. 18E, Uintah County, Utah
Well No. RBU 11-15E, Sec. 15, T. 10S, R. 19E, Uintah County, Utah
Well No. RBU 1-16E, Sec. 16, T. 10S, R. 19E, Uintah County, Utah
Well No. RBU 9-16E, Sec. 16, T. 10S, R. 19E, Uintah County, Utah
Well No. RBU 11-24E, Sec. 24, T. 10S, R. 19E, Uintah County, Utah
Well No. RBU 11-2F, Sec. 2, T. 10, R. 20E, Uintah County, Utah
Well No. RBU 7-10F, Sec. 10, T. 10S, R. 20E, Uintah County, Utah
Well No. RBU 6-20F, Sec. 20, T. 10S, R. 20E, Uintah County, Utah
Well No. RBU 11-19C, Sec. 19, T. 9S, R. 20E, Uintah County, Utah
Well No. RBU 11-30C, Sec. 30, T. 9S, R. 20E, Uintah County, Utah

Insofar as this office is concerned, approval to drill the above referred to gas wells are hereby granted in accordance with Section 40-6-11, Utah Code Annotated 1953; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon these wells, 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 numbers are listed on the following page.

MAPCO Production Company
August 8, 1980
Page Two

The API numbers assigned to these wells are RBU 8-31C: 43-047-30754,
RBU 11-15D: 43-047-30755, RBU 11-15E: 43-047-30756, RBU 1-16E: 43-047-30757,
RBU 9-16E: 43-047-30758, RBU 11-24: 43-047-30759, RBU 11-2F: 43-047-30760,
RBU 7-10F: 43-047-30761, RBU 6-20F: 43-047-30762, RBU 11-19C: 43-047-30752,
RBU 11-30C: 43-047-30753.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Michael T. Minder
Petroleum Engineer

/bh

cc: USGS



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
 VERNAL DISTRICT OFFICE
 170 South 500 East
 Vernal, Utah 84078

T & R
 U-802



September 19, 1980

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

Re: MAPCO Production Company
 River Bend Unit
 Well #6-20F, U-013793-A,
 Sec. 20, T10S, R20E;
 Well #11-30C, U-10987,
 Sec. 30, T9S, R20E;
 Well #11-19C, U-0141644,
 Sec. 19, T9S, R20E;
 Uintah County, Utah

Dear Mr. Guynn:

A joint field examination was made on August 28, 1980, of the above referenced well site locations and proposed access roads. We feel that the surface use and operating plans are adequate with the following stipulations:

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 Operation Standards for Oil and Gas Exploration and Development."
2. Traveling off access road rights-of-way will not be allowed. The maximum width of access roads (both existing and planned) will be 30 feet total disturbed area, except where backslope and fills require additional area. Turn-outs will not be required. Roads are to be crowned and bar ditched where needed.
3. Topsoil will be stockpiled as addressed in the applicant's 13 Point Plan. The BLM recommends that the top 4-6 inches of topsoil materials be stockpiled at wells 6-20F and 11-19C. At well #11-30C the top 10 inches of topsoil will be stockpiled. The topsoil will be stockpiled separately from excess cut material.
4. The BLM must be contacted at least 24 hours prior to any construction activities.



5. The BLM will be contacted at least 24 hours prior to any rehabilitation activities. The operator may be informed of any additional needed seeding and restoration requirements.
6. In the event that oil storage tanks are used, earth dikes will be built around the tanks in order to contain accidental spills. The height of the dikes will be sufficient to contain the entire contents of the tanks.
7. A wire mesh or web type fence will be used around the reserve pits. At least two strands of barbed wire will top this fence. The reserve pit of well #11-30C will be lined with plastic.
8. At well #6-20F the topsoil and excess cut will be stored between stakes 5 and 6.
9. Well #11-30C will be rotated 30° to the east and its reserve pit dimensions reduced from 150 X 175 feet to 100 X 125 feet. Well #6-20F will have its reserve pit reduced to 125 x 125 feet.
10. Production facilities will be painted with a color which blends in with the natural background. Various earth tones can accomplish this.

An archaeological study has been conducted by Archaeological-Environmental Research Corporation. No cultural resources were located at any of the proposed sites.

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

The BLM representative will be Ron Rogers, 789-1362.

Sincerely,



Dean L. Evans
Area Manager
Bookcliffs Resource Area

cc: ✓ USGS, Vernal

Mapco
30-95-20E

Memorandum

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

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

Subject: Application for Permit to Drill (form 9-331c) Federal oil and gas lease No. U-10987 Well No. RBU-11-306

1. The location appears potentially valuable for:

- strip mining*
- underground mining** *oil shale, Bitumens*
- 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

Jug

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-10987

OPERATOR: MAPCO Prod. Co.

WELL NO. FBU-11-30C

LOCATION: NE 1/4 NE 1/4 SW 1/4 sec. 30, T. 9S, R. 20E, S1M

Uintah County, Utah

1. Stratigraphy: *projected tops appear reasonable:*

- Uintah - surface
- Green River - 1587'
- Wasatch - 5151'
- Chapata Well - 5821'
- Uteland Buttes - 6901'

T. D. 7000
2. Fresh Water: *probable in the Uintah Fm.
possible useable water to base of Green River Fm.*

3. Leasable Minerals:

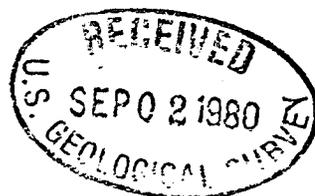
*prospectively valuable for solid/semi-solid bitumen
prospectively valuable for oil shale in Mahogany zone
of Green River Fm; it should be 2200 ft deep, 98 ft
thick and has a sequence of 45 ft which should
yield 25 gals. of oil per ton.*

4. Additional Logs Needed:

adequate, but should be run through oil shale to

5. Potential Geologic Hazards:

none expected



6. References and Remarks:

Cashman '68 + '76

signature: Joseph A. Inaudine

Date: 8-12-80

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

5. LEASE DESIGNATION AND SERIAL NO.

U-10987

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

River Bend Unit

8. FARM OR LEASE NAME

9. WELL NO.

RBU 1F-30C

10. FIELD AND POOL, OR WILDCAT

11. T. 14. M. OR B.L. AND SURVEY OR ALIA

Sec 30, T9S, R20E

12. COUNTY OR PARISH

Uintah

13. STATE

Utah

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL

DEEPEN

PLUG BACK

b. TYPE OF WELL

OIL WELL

GAS WELL

OTHER

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

2236' FSL & 3224' FEL, NE SW Sec 30, T9S, R20E

At proposed prod. zone

Same

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

8 miles South of Ouray, Utah

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

2236'

16. NO. OF ACRES IN LEASE

1340.05

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.

2800'

19. PROPOSED DEPTH

7000'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4689 G.L.

22. APPROX. DATE WORK WILL START*

Summer 1980

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#	400'	Cement to surface
7-7/8"	4-1/2"	9.5# & 10.5#	7000'	Cement to surface

1. Drill a 12-1/4" hole with an air rig to 400', run 8-5/8", 24#, H-40 casing and cement to surface.
2. NU and pressure test BOP stack (see Fig 1) 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 7000' with a salt water mud system. No cores are planned.
5. Run logs. Set 4-1/2", 9.5# & 10.5#, K-55 casing as dictated by drilling show tests and logs. Casing program may be modified to provide added burst strength if needed for frac program.
6. Primary zones of interest are the Chapita Wells and Uteland Buttes sections of the Wasatch.
7. All zones indicating potential for economically recoverable reserves will be tested in a normal, prudent manner.

SEE BACK FOR FORMATION LOG TOPS

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 7-25-80
Richard Baumann

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

(ORIG. SGD.) R. A. HENRICKS

FOR E. W. GUYNN
DISTRICT ENGINEER

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

NOV 25 1980
NOV 23 1980

State of Utah, Department of Natural Resources
Division of Oil, Gas, and Mining
1588 West North Temple
Salt Lake City, Utah 84116

CONDITIONS OF APPROVAL ATTACHED OF
*See Instructions on Reverse Side COPY OIL, GAS & MINING OR VENTING OF
GAS IS SUBJECT TO NTL 4-A
DATED 1/1/80

NOTICE OF APPROVAL

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of land and leases for appropriate action by either a Federal 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.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

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 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plat, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any near-surface or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

U.S. GOVERNMENT PRINTING OFFICE : 1963—O-711-306

B 39-171

FORMATION LOG TOPS

Uintah	Surface
Green River	1587'
Wasatch	5151'
Chapita Wells	5821'
Uteland Buttes	6901'

U. S. GEOLOGICAL SURVEY - CONSERVATION DIVISION

FROM: DISTRICT GEOLOGIST, ME, SALT LAKE CITY, UTAH
TO: DISTRICT ENGINEER, C&G, SALT LAKE CITY, UTAH
SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. 11-10987
WELL NO. ABU-11-30C

OPERATOR: MAPCO Prod. Co.

LOCATION: NE 1/4 NE 1/4 SW 1/4 sec. 30, T. 9S, R. 20E, S1M
Uintah County, Utah

1. Stratigraphy: *projected tops appear reasonable.*

- Uintah - Surface
- Green River - 1507'
- Wasatch - 5151'
- Chapita Well - 5821'
- Uteland Buttes - 6901'

T. D. 2000
2. Fresh Water: *probable in the Uintah Fm.
possible useable water to base of Green River Fm.*

3. Leasable Minerals:

*prospectively valuable for solid/semi-solid bitumen
prospectively valuable for oil shale in Mahogany zone
of Green River Fm; it should be 2200 ft deep, 90 ft
thick and has a sequence of 45 ft which should
yield 25 gals. of oil ton.*

4. Additional Logs Needed:

adequate, but should be run through oil shale to

5. Potential Geologic Hazards:

none expected

6. References and Remarks:

Cashion '68+'76

Signature: Joseph Incardine

Date: 8-12-80

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

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator Mapco Production Company
 Project Type Gas well drilling in the River Bend Unit
 Project Location 2236' FSL & 3224' FEL, Section 30, T.9S, R.20E
 Well No. RBU-11-30C Lease No. U-10987
 Date Project Submitted August 4, 1980

FIELD INSPECTION

Date August 28, 1980

Field Inspection
 Participants

<u>Greg Darlington</u>	<u>U.S.G.S.- Vernal, Utah</u>
<u>Ron Rogers</u>	<u>BLM, Vernal, Utah</u>
<u>Larry England</u>	<u>BLM, Vernal, Utah</u>
<u>Darwin Kulland</u>	<u>Mapco Production Company</u>

Typing In & Out: September 22, 1980 October 23, 1980

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

September 22, 1980
 Date Prepared

/s/ Gregory Darlington
 Environmental Scientist

I concur

10/23/80
 Date


 District Supervisor

United States Department of the Interior
 Geological Survey
 Oil and Gas Operations
 2000 Administration Building
 1745 West 1700 South
 Salt Lake City, Utah 84104

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator/Project Name Mapco Production Company Well RBV 11-30G
 Project Type Gas well drilling in the River Bend Unit
 Project Location 2236' FSL. 3224' FEL Section 30, T9S, R20E
 Date Project Submitted August 4, 1980

FIELD INSPECTION

Date August 28, 1980

Field Inspection
 Participants

Greg Darlington - USGS - Vernal
Ron Rogers - BLM - Vernal
Larry England - BLM - Vernal
Darwin Kulland - Mapco Production Company

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

September 22, 1980
 Date Prepared

Greg Darlington
 Environmental Scientist

I concur

_____ Date

_____ District Supervisor

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria 516 DM 2.3.A	Federal/State Agency			Local and private correspondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other information
	Corre- spondence (date)	Phone check (date)	Meeting (date)						
1. Public health and safety							Onsite Participants	8/28/80	BLM expertise in the Willow Creek area
2. Unique charac- teristics									
3. Environmentally controversial									
4. Uncertain and unknown risks									
5. Established precedents									
6. Cumulatively significant							↓		
7. National Register historic places							Ron Rogers		
8. Endangered/ threatened species							Larry England		↓
9. Violate Federal, State, local, tribal law						Staff	Onsite Participant	↓	Salt Lake District Office USGS.

Proposed Action;

Mapco Production Company proposes to drill the RBU 11-30C well, a 7200 foot test of the Green River and Wasatch formations. The primary objective is gas in the Wasatch. An access road of about 250 feet length would be needed, also an existing maintained road. These roads are shared with Mapco's proposed RBU 8-31C and 11-19C wells which were also looked at on August 28, 1980 for onsites. The 1.4 mile stretch of jeep road will basically need upgrading and not require much reconstruction, at least not much compared to the 1.1 miles between this well and the RBU 8-31C. The well pad, will be about 190' x 400' with a pit about 100' x 75'. The water source is nearby Willow Creek. The location is about 300 feet from Willow Creek and the reserve pit will be about 100 feet from an old channel of Willow Creek which could be classed a large nonperennial drainage. Disturbed area for this project will be about 2.6 acres for the pad and new road and about three acres of increased disturbance along the present jeep trail.

Recommended Approval Conditions:

Drilling should be allowed, provided the following measures are incorporated into the proposed Application for Permit to Drill and adhered to by the operator:

1. Lease Stipulations.
2. BLM Stipulations.
3. Logs are suitably furnished for the identification and protection of other potentially valuable mineral zones as requested by the Mineral Evaluation Report and Mining Report. (Oil shale, bitumens).
4. The pits are to be lined by the operator.
5. The pad as proposed in the layout diagram together with the pit would be rotated to place corner 4 about 100 feet closer to the drainage channel of Willow Creek's former location and move corner 2 out of steep ledges. Part of corner 2 may still be contoured off to avoid the rocky ledges involved somewhat better. Corners 4 and 2 would be roughly 100 feet South of their previous positions. This would considerably reduce hillside cuts involved although the pits would be moved closer to the drainage. The reserve pit edge if the pit is built 100' x 175' would then be about 100 feet from the large old drainage channel of Willow Creek which has been formerly used for irrigation farming purposes, but is no longer used.

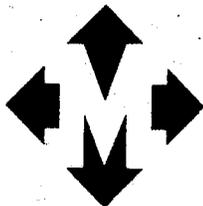
CER No. 626-80



Mapco 11-30C North View
Sec. 30, T9S, R20E

CATEGORICAL EXCLUSION REVIEW COMMON REFERENCE LEGEND

1. Surface Management Agency Input
2. Reviews Reports, or information received from Geological Survey
(Conservation Division, Geological Division, Water Resource Division,
Topographic Division)
3. Lease Stipulations/Terms
4. Application Permit to Drill
5. Operator Correspondence
6. Field Observation
7. Private Rehabilitation Agreement



MAPCO

PRODUCTION COMPANY

June 1, 1981

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

OIL, GAS & MINING
DIVISION OF

JUN 2 1981

DEANESS

Attn: Debbie

Dear Debbie;

Upon your request, I have listed the wells and status of each:

<u>Well Name</u>	<u>Location</u>	<u>Status</u>
Fed 12-30B	Sec 30, T9S, R19E	Will Not Drill
RBU 7-36B	Sec 36, T9S, R19E	" " "
RBU 11X-36B	Sec 36, T9S, R19E	" " "
RBU 11-24B	Sec 24, T9S, R19E	" " "
RBU 5-12D	Sec 12, T10S, R18E	Plan to Drill
RBU 11-19C	Sec 19, T9S, R20E	" " "
RBU 11-30C	Sec 30, T9S, R20E	Will Not Drill
RBU 11-15D	Sec 15, T10S, R18E	" " "
RBU 11-15E	Sec 15, T10S, R19E	" " "
RBU 1-16E	Sec 16, T10S, R19E	" " "
RBU 9-16E	Sec 16, T10S, R19E	" " "
RBU 2-11D	Sec 11, T10S, R18E	Plan to Drill
RBU 11X-2F	Sec 2, T10S, R20E	Will Not Drill
RBU 8-31C	Sec 31, T9S, R20E	" " "
Fed 1-25A	Sec 25, T9S, R18E	" " "
Fed 3-25A	Sec 25, T9S, R18E	" " "
Fed 9-25A	Sec 25, T9S, R18E	" " "
Fed 11-25A	Sec 25, T9S, R18E	" " "
Fed 13-25A	Sec 25, T9S, R18E	" " "
Fed 15-25A	Sec 25, T9S, R18E	" " "
Fed 11-24A	Sec 24, T9S, R18E	" " "
Fed 13-24A	Sec 24, T9S, R18E	" " "
Fed 15-24A	Sec 24, T9S, R18E	" " "

June 1, 1981
Page 2

If there is any more information I can give you please let me know.

Very truly yours,

MAPCO Production Company

Dick Baumann

Dick Baumann
Engineering Technician

REB/jlu

RECEIVED

JUN 2

DIVISION OF
OIL, GAS & MINING

Conservation Division
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104-3684

December 16, 1981

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

Re: Return Application for
Permit to Drill
Well No. 11-19C
Section 19, T. 9S, R. 30E.
Uintah County, Utah
Lease No. U-0141544

Well No. 11-20C
Section 30, T. 9S., R. 20E.
Uintah County, Utah
Lease No. U-10987

Gentlemen:

The Application for Permit to Drill the referenced wells were approved November 12, 1980 and November 25, 1980 respectively. Since that date no known activity has transpired at the approved locations. Under current District policy, application's 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 applications without prejudice. If you intend to drill at these locations 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 these drill sites. Any surface disturbance associated with the approved locations of these wells is to be rehabilitated. A schedule for this rehabilitation must, then be submitted. Your cooperation in this matter is appreciated.

Sincerely,

(ORIG. SGD.) W. P. MARTENS
Sgt. W. Guynn
District Oil and Gas Supervisor

cc: DCA, CR, O&G, Denver
EIF-Vernal
State Office (O&G)
State Office (ALM)
US&S-Vernal
Well File
APD Control