

UTAH DIVISION OF OIL, GAS AND MINING

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

DATE FILED 8-4-80

LAND: FEE & PATENTED STATE LEASE NO. ML-13214 PUBLIC LEASE NO. 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: 5189' 6L

DATE ABANDONED: 6-1-81 LA

FIELD: UNDESIGNATED NATURAL BUTTES 3/86

UNIT: RIVER BEND UNIT

COUNTY: UINTAH

WELL NO. RBU 9-16E API NO: 43-047-30758

LOCATION 1993' FT. FROM (~~XX~~) (S) LINE. 320' FT. FROM (E) (~~XX~~) LINE. NE SE $\frac{1}{4}$ - $\frac{1}{4}$ SEC 16

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
10S	19E	16	MAPCO PRODUCTION CO.				

FILE NOTATIONS

Entered in NID File ✓
Entered On S R Sheet
Location Map Planned
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-N Micro
Lat. M-L Sonic Others

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 320' FEL & 1993' FSL, Sec 16, T10S, R19E.
At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
22 miles SW of Ouray, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 320'

16. NO. OF ACRES IN LEASE 640

17. NO. OF ACRES ASSIGNED TO THIS WELL 160

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

19. PROPOSED DEPTH 6500'

20. ROBERTS OR OILABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5189' Ungraded G.L.

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"	28#	400'	Cement to surface
7-7/8"	4-1/2"	11.6#	6550'	Cement to surface

1. Drill a 12-1/4" hole with an air rig to 400', run 8-5/8", 28# 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 6550' 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", 11.6#, N-80 casing as dictated by drilling shows, test 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 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 depth. 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 _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE DIVISION
OF OIL, GAS AND MINING

*See Instructions On Reverse Side

DATE 8-6-80
W.J. Minder

5. LEASE DESIGNATION AND SERIAL NO.
ML 1324
6. INDIAN ALLOTTEE OR TRIBAL NAME
AGREEMENT NAME
OR LEASE NAME
7. COUNTY OR PARISH AND STATE
Utah
8. FIELD AND POOL, OR FIELD CATEG
9. SURVEY AND AREA
10. COUNTY OR PARISH AND STATE
Utah

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands 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 plats, 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 present 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-711-396

839-171

FORMATION TOPS

Uintah	Surface
Green River	1286'
Wasatch	4763'
Chapita Wells	5483'
Uteland Buttes	6543'

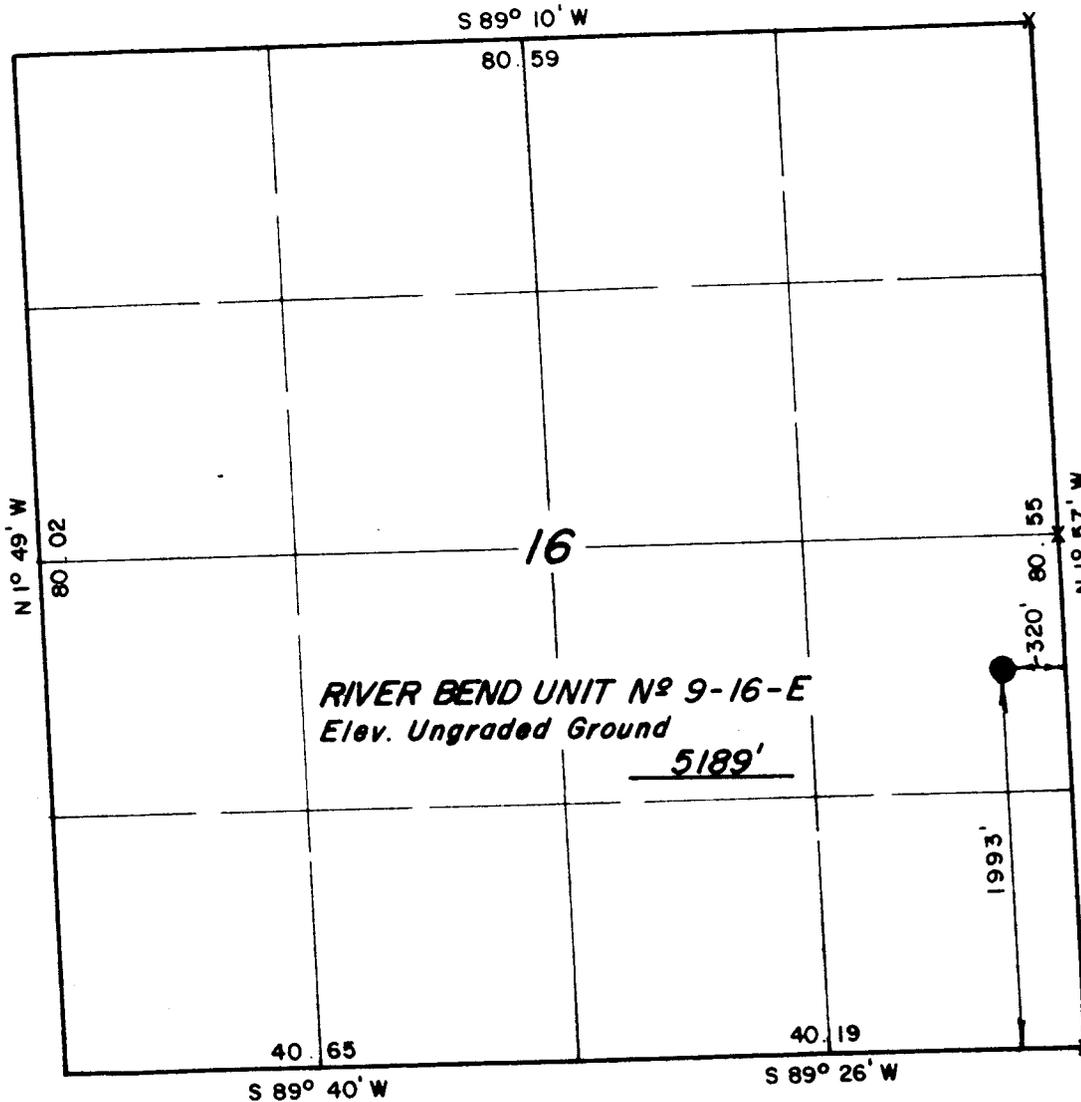
MAR 30 1978

PROJECT

MAPCO INCORPORATED

Well location, *RIVER BEND UNIT N^o 9-16-E*, located as shown in the NE 1/4 SE 1/4 Section 16, T 10 S, R 19 E, S.L.B.&M. Uintah County, Utah.

T 10 S, R 19 E, S.L.B.&M.



X = Section Corners Located

EXHIBIT A



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION N^o 2454
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P. O. BOX Q - 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 3/14/78
PARTY D. D.S.	REFERENCES GLO Plat
WEATHER Cold	FILE MAPCO. INC.

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

Attached to Form 9-331C

Company: MAPCO PRODUCTION COMPANY

Well: RBU 9-16E

Well Location: 320' FEL & 1993' FSL

Section 16, T. 10 S., R. 19 E.

County: Uintah

State: Utah

1. Geologic Surface Formation

UINTAH

2. Estimated Important Geologic Markers

<u>Formation</u>	<u>Depth</u>
Uintah	Surface
Green River	1286'
Wasatch	4763'
Chapita Wells	5483'
Uteland Buttes	6543'

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

<u>Formation</u>	<u>Depth</u>	<u>Remarks</u>
Wasatch	4763'	Gas Zone
Chapita Wells	5483'	Gas Zone

4. The Proposed Casing Program

8-5/8", 28#/ft, H-40, 0'-400' - Cement to surface.

4-1/2", 11.6#/ft, N-80, 0'-6550' - Cement to surface.

TEN-POINT COMPLIANCE PROGRAM OF NTL-6

Well: RBU 9-16E

Page 2

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 T.D. to surface.

9. Any Anticipated Abnormal Pressures or Temperatures Expected

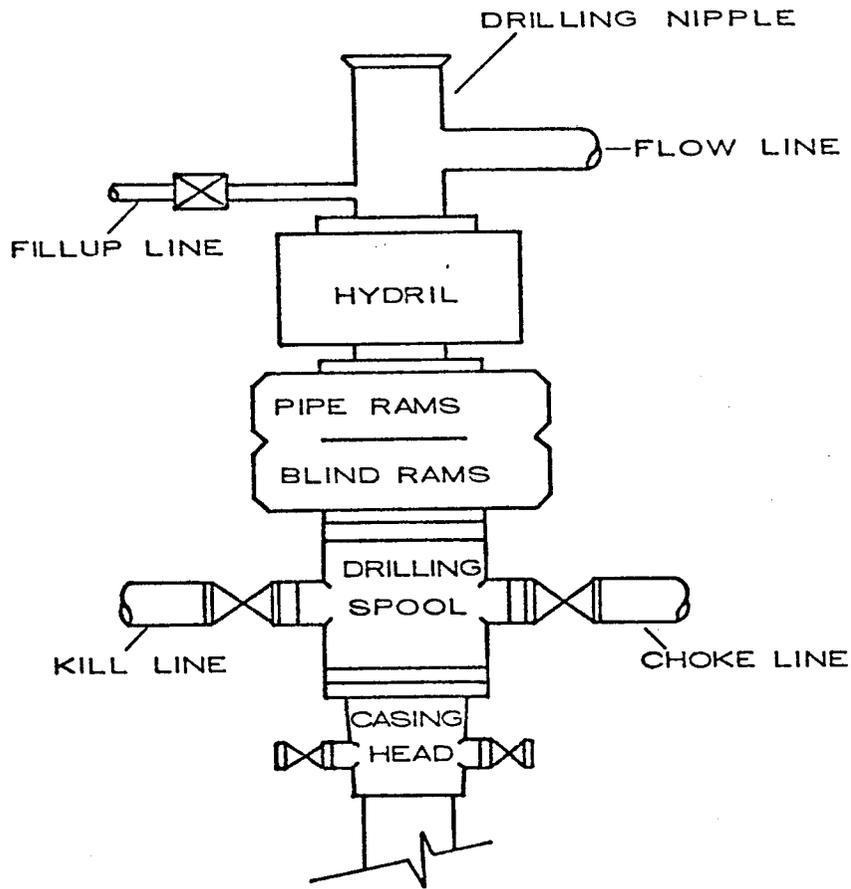
No abnormal pressures are anticipated nor is the area known for abnormal temperatures. The formations to be penetrated do not contain H₂S gas.

10. The Anticipated Starting Date and Duration of the Operations

Starting Date: Summer 1980

Duration: 20 days

BOP STACK



CHOKE MANIFOLD

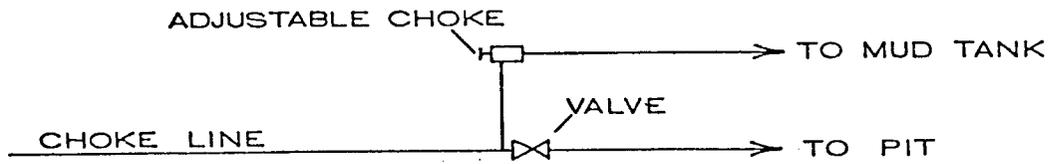


FIGURE 1

MULTI-POINT REQUIREMENTS TO ACCOMPANY APD

Attached to Form 9-331C

COMPANY: MAPCO PRODUCTION COMPANY

WELL: RBU 9-16E

WELL LOCATION: 320' FEL & 1993' FSL

Section 16, T. 10 S., R. 19 E.

County: Uintah

State: Utah

1. Existing Roads

- A. The proposed well site and elevation plat is shown as Exhibit A.
- B. Location is as shown in Exhibit B.
- C. An access road of about 800' 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:

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: None
4. Disposal wells: None
5. Drilling wells: None
6. Producing wells: Two (RBU 11-16E, OSC 7-15)
7. Shut-in wells: None
8. Injection wells: None
9. Monitoring or observation wells: None

4. Location of Existing and/or Proposed Facilities

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

1. Tank batteries: None
2. Production facilities: RBU 11-16E, OSC 7-15
3. Oil gathering lines: None
4. Gas gathering lines: RBU 11-16E, OSC 7-15

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. Rehabilitation, whether the well is productive or dry, will be accomplished as soon as possible in those areas already described, and in accordance with Item 10 following.

5. Water Supply

Water source is shown on Exhibit D.

- A. Water will be hauled by truck from the Willow Creek located 3500' FWL and 500' FNL, Sec 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 Item 1.

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 built 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" = 50'.
2. & 3. Exhibit E is a layout of the drilling rig, pits, and burn pits. Parking and trailers will be along the S side of the area as shown. The access road will be from the S. 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 BLM.

The access road to the drill pad will be revegetated, if needed. Any damage to present existing roads will be repaired as needed.
3. Prior to rig release, the pits will be fenced on the fourth side and so maintained until cleanup is accomplished. The reserve pit will have fencing on three sides during drilling.

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 area slopes from the rim of the Book Cliff Mountains to the South to the White River to the North, & is a portion of the Roan Plateau. The area is interlaced w/numerous canyons & ridges which are extremely steep w/numerous ledges formed in sandstone, conglomerates, and shale deposits.

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): None
Archaeological research & study done by AERC, SLC, Utah.

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

or

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

Phone : (801) 722-4521

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

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.

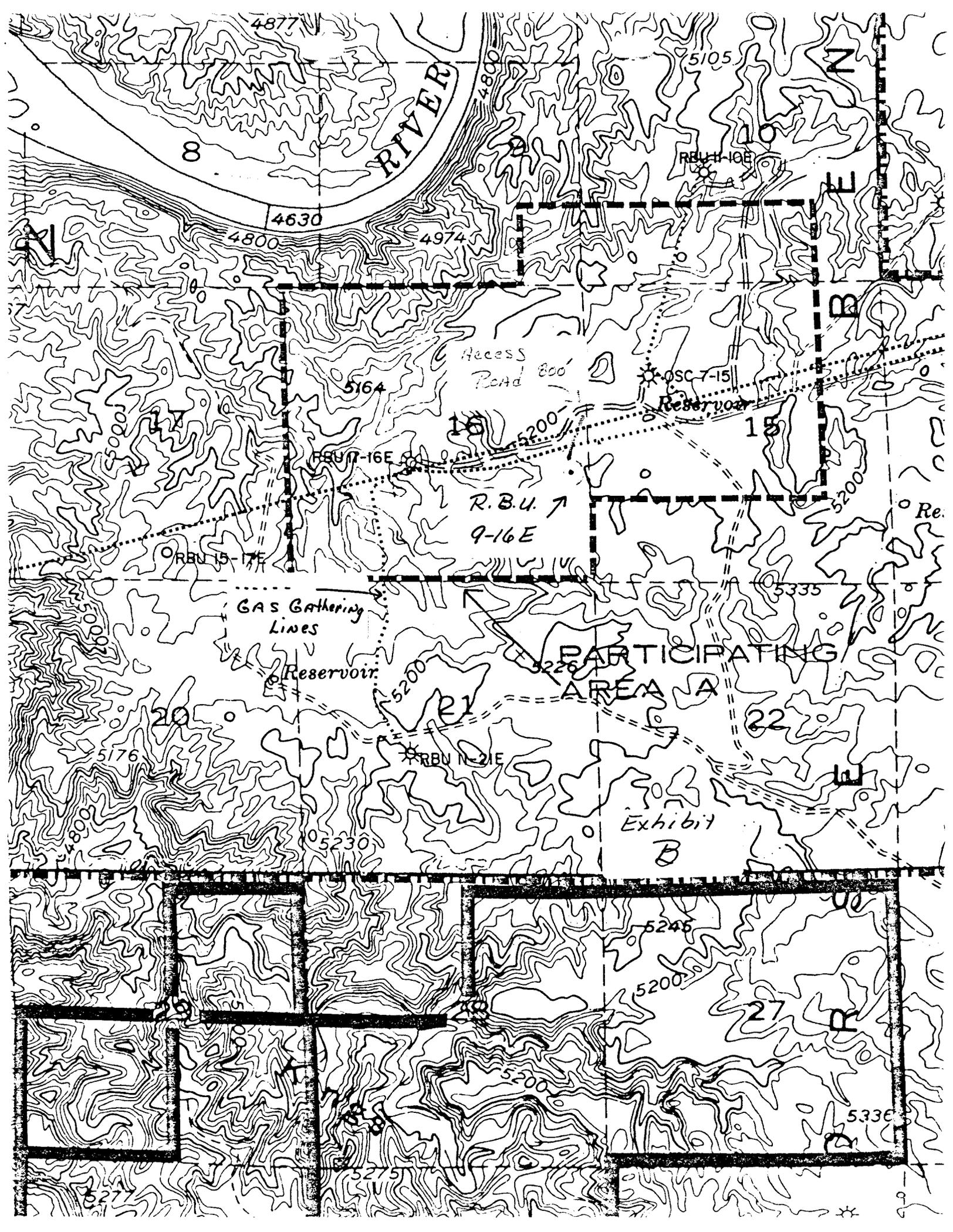
DATE

7/30/80

NAME J.D. Holliman

Manager of Operations

TITLE



RIVER

RBUT-10E

Access Road 800'

OSC 7-15
Reservoir

RBUT-16E

R.B.U. 7
9-16E

RBUT-15-17E

GAS Gathering Lines
Reservoir

PARTICIPATING
AREA A

RBUT-12E

Exhibit
B

5245

5200

27

5330

5275

4877

5105

4630

4974

5164

5200

15

5335

5226

20

5176

5230

28

5275

Subject

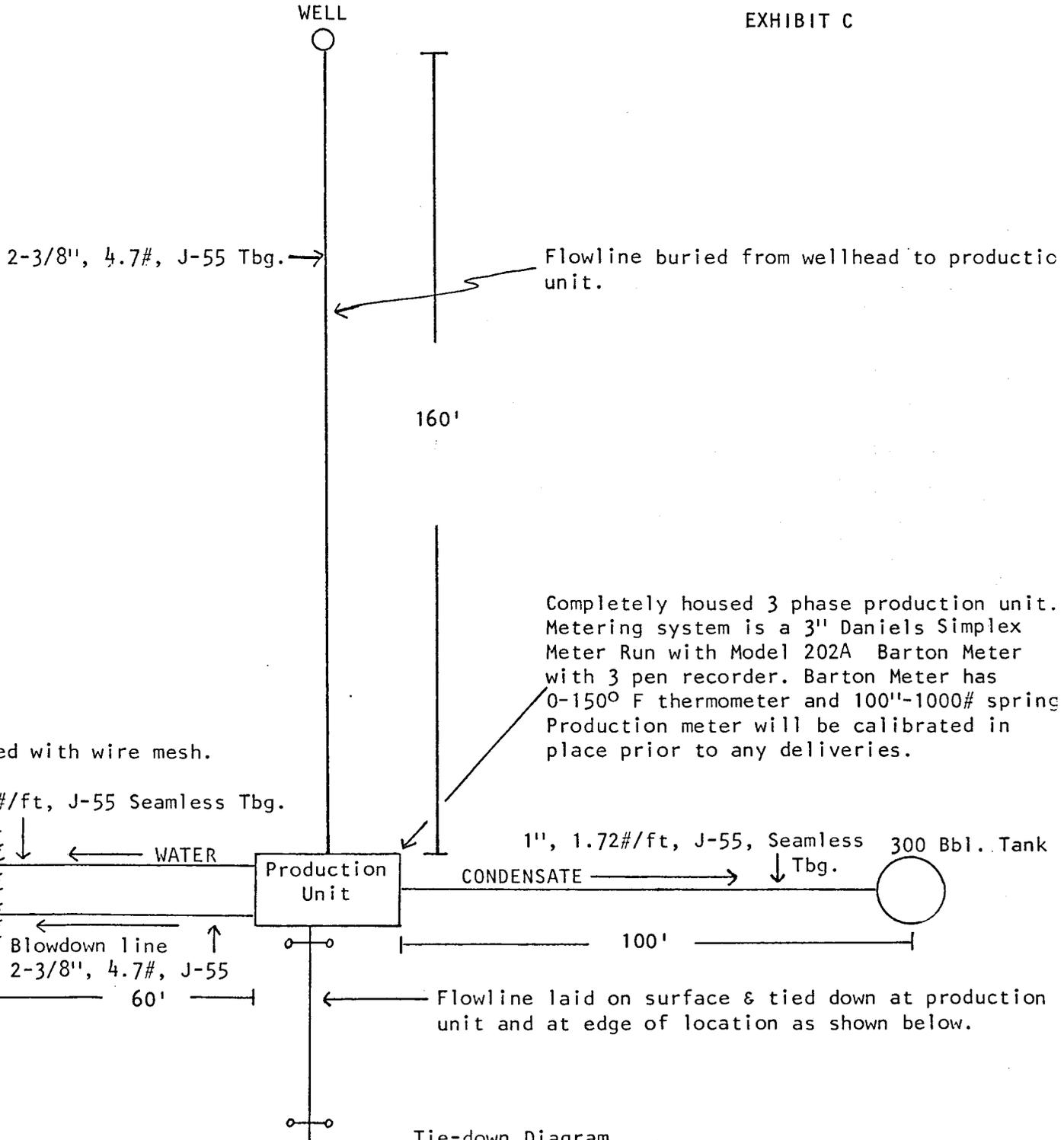
RIVER BEND UNIT NO 9-16E

Date

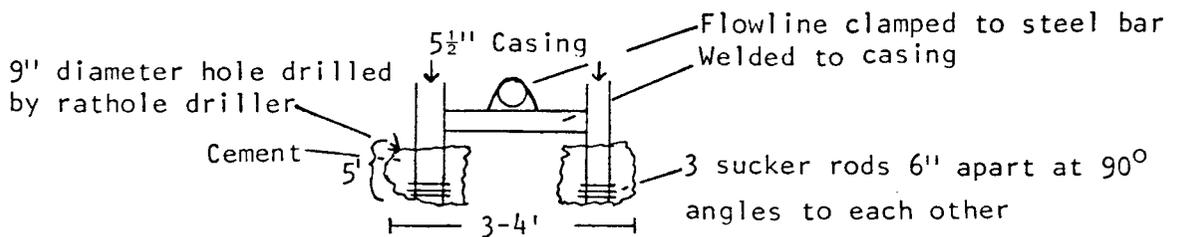
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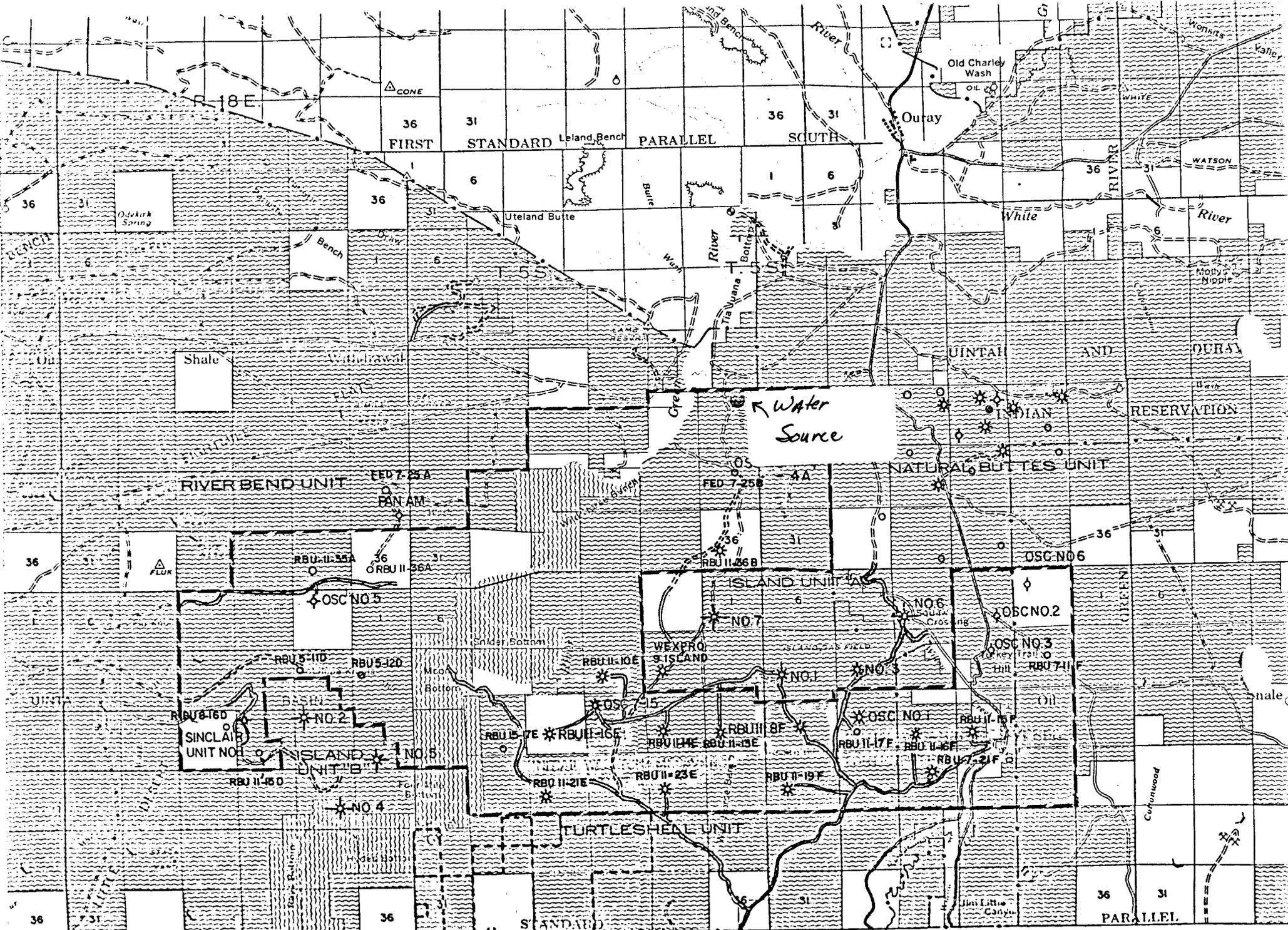
By

EXHIBIT C



Tie-down Diagram





R. 18 E.

MAPCO ACREAGE R. 19 E.

NE-17
AUG. 1975
(REVISED)

R. 20 E.

Exhibit
D.

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

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OIL WELL GAS WELL OTHER _____
SINGLE ZONE MULTIPLE ZONE

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Alpine Executive Center

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

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

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

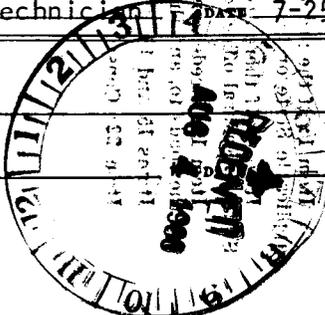
5. LEASE DESIGNATION AND SERIAL NO.
ML-13214

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
River Bend Unit

7. UNIT AGREEMENT NAME
RBU 9-16E

8. FIELD AND POOL, OR SURVEY OR AREA
Sec 16, T10S, R19E

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Uintah Utah



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U.S. GOVERNMENT PRINTING OFFICE : 1963-O-711-396
839-171

FORMATION TOPS

Uintah	Surface
Green River	1286'
Wasatch	4763'
Chapita Wells	5483'
Uteland Buttes	6543'

DATE OF BORE	4-11-64	WELL NO.	2501
NAME OF OPERATOR	U.S. GEOLOGICAL SURVEY	WELL DEPTH (FEET)	1286
FORMATION TOPS AND CEMENTED DEPTH			

OF VERTICAL FEET OF THE FETTER IN
 SO THAT THE WELL WILL BE PROTECTED
 FROM COLLAPSE AND FROM DAMAGE
 TO THE SURFACE OF THE LAND
 BY THE WEIGHT OF THE SOIL
 AND ROCK ABOVE THE WELL
 AND TO PREVENT THE WELL
 FROM COLLAPSE AND FROM
 DAMAGE TO THE SURFACE OF
 THE LAND BY THE WEIGHT
 OF THE SOIL AND ROCK
 ABOVE THE WELL

WELL NO. 2501
 DATE OF BORE 4-11-64
 WELL DEPTH (FEET) 1286
 FORMATION TOPS AND CEMENTED DEPTH
 U.S. GEOLOGICAL SURVEY
 WASHINGTON, D.C. 20540

WELL NO. 2501
 DATE OF BORE 4-11-64
 WELL DEPTH (FEET) 1286
 FORMATION TOPS AND CEMENTED DEPTH
 U.S. GEOLOGICAL SURVEY
 WASHINGTON, D.C. 20540

MAR 29 1978

PROJECT

MAPCO INCORPORATED

Well location, **RIVER BEND UNIT N^o 9-16-E**, located as shown in the NE 1/4 SE 1/4 Section 16, T 10 S, R 19 E, S.L.B.&M. Uintah County, Utah.

T 10 S, R 19 E, S.L.B.&M.

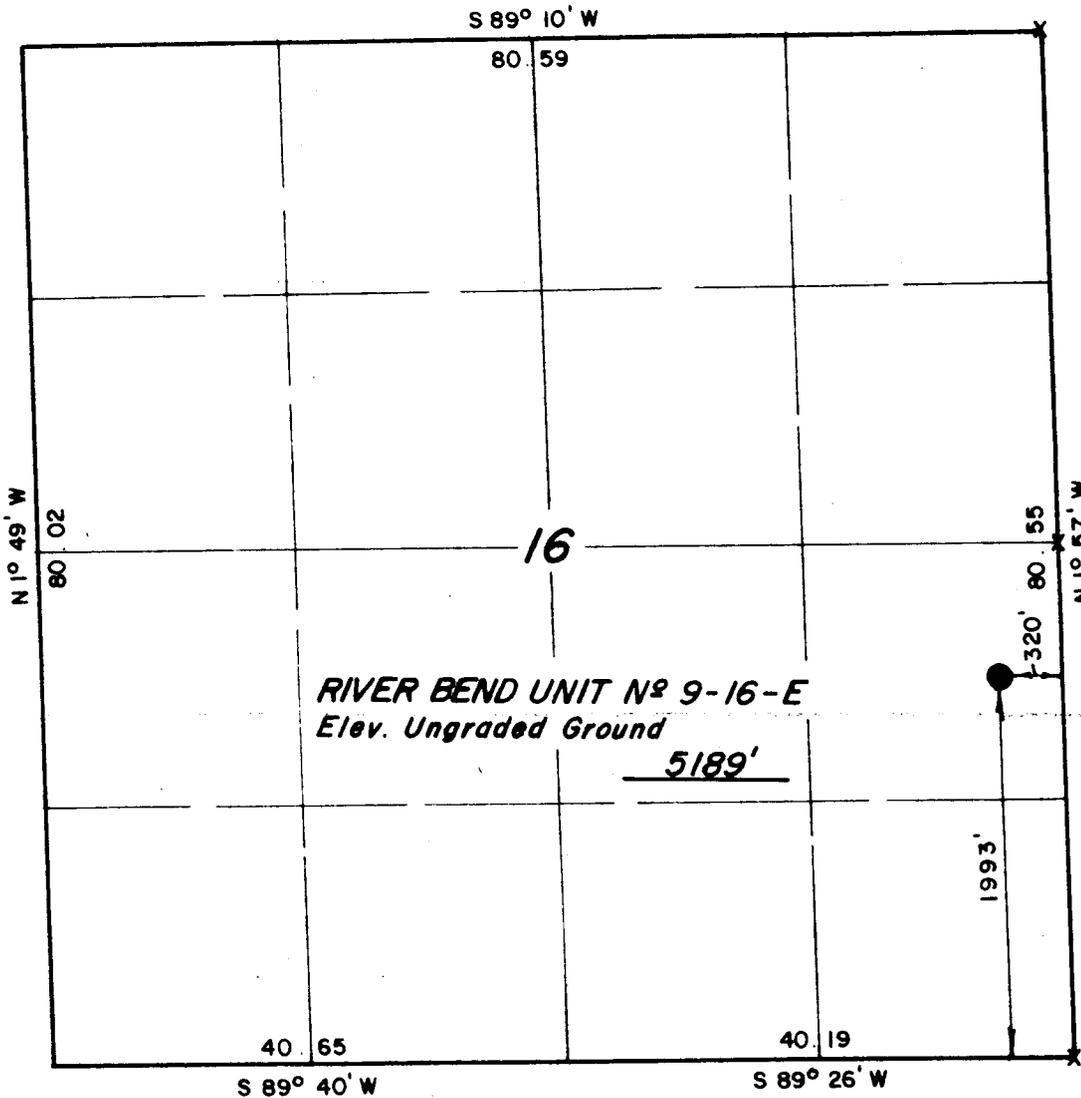


Exhibit A



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION N^o 2454
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P.O. BOX Q - 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 3/14/78
PARTY D. D.S. BFW	REFERENCES GLO Plat
WEATHER Cold	FILE MAPCO. INC.

X = Section Corners Located

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

Attached to Form 9-331C
Company: MAPCO PRODUCTION COMPANY
Well: RBU 9-16E
Well Location: 320' FEL & 1993' FSL
Section 16, T. 10 S., R. 19 E.
County: Uintah State: Utah

1. Geologic Surface Formation

UINTAH

2. Estimated Important Geologic Markers

<u>Formation</u>	<u>Depth</u>
Uintah	Surface
Green River	1286'
Wasatch	4763'
Chapita Wells	5483'
Uteland Buttes	6543'

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

<u>Formation</u>	<u>Depth</u>	<u>Remarks</u>
Wasatch	4763'	Gas Zone
Chapita Wells	5483'	Gas Zone

4. The Proposed Casing Program

8-5/8", 28#/ft, H-40, 0'-400' - Cement to surface.

4-1/2", 11.6#/ft, N-80, 0'-6550' - 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 T.D. to surface.

9. Any Anticipated Abnormal Pressures or Temperatures Expected

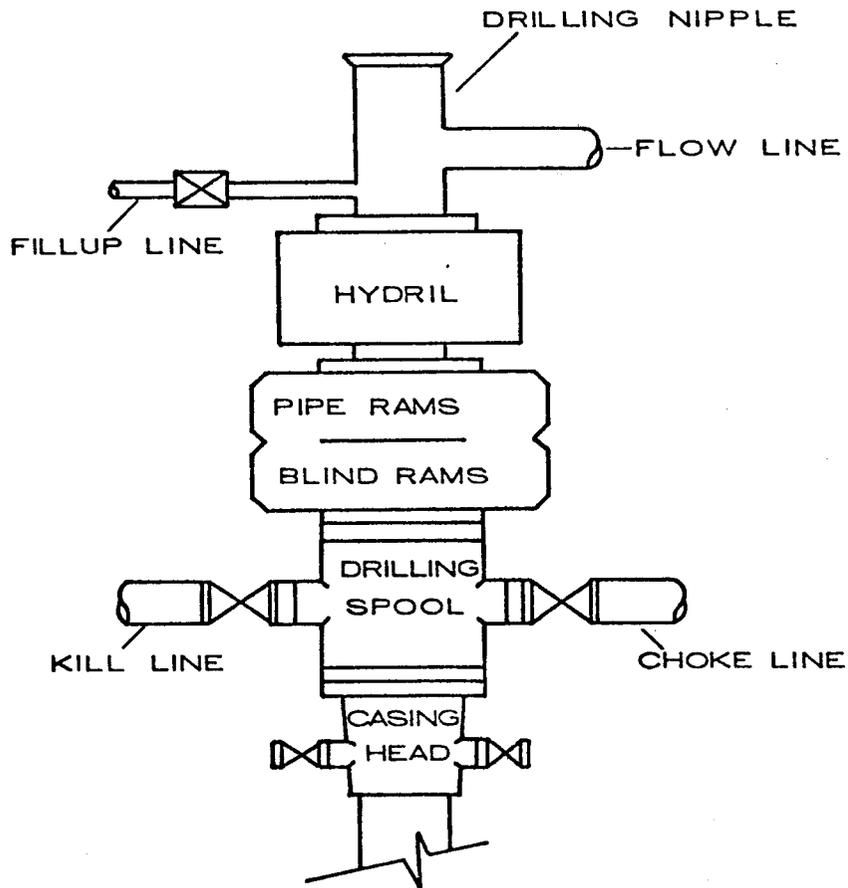
No abnormal pressures are anticipated nor is the area known for abnormal temperatures. The formations to be penetrated do not contain H₂S gas.

10. The Anticipated Starting Date and Duration of the Operations

Starting Date: Summer 1980

Duration: 20 days

BOP STACK



CHOKE MANIFOLD

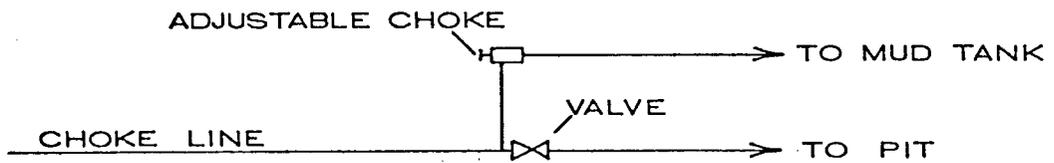


FIGURE 1

MULTI-POINT REQUIREMENTS TO ACCOMPANY APD

Attached to Form 9-331C

COMPANY: MAPCO PRODUCTION COMPANY

WELL: RBU 9-16E

WELL LOCATION: 320' FEL & 1993' FSL

Section 16, T. 10 S., R. 19 E.

County: Uintah

State: Utah

1. Existing Roads

- A. The proposed well site and elevation plat is shown as Exhibit A.
- B. Location is
as shown in Exhibit B.
- C. An access road of about 800' 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:

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: None
4. Disposal wells: None
5. Drilling wells: None
6. Producing wells: Two (RBU 11-16E, OSC 7-15)
7. Shut-in wells: None
8. Injection wells: None
9. Monitoring or observation wells: None

4. Location of Existing and/or Proposed Facilities

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

1. Tank batteries: None
2. Production facilities: RBU 11-16E, OSC 7-15
3. Oil gathering lines: None
4. Gas gathering lines: RBU 11-16E, OSC 7-15

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. Rehabilitation, whether the well is productive or dry, will be accomplished as soon as possible in those areas already described, and in accordance with Item 10 following.

5. Water Supply

Water source is shown on Exhibit D.

- A. Water will be hauled by truck from the Willow Creek located 3500' FWL and 500' FNL, Sec 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 Item 1.

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 built 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" = 50'.
2. & 3. Exhibit E is a layout of the drilling rig, pits, and burn pits. Parking and trailers will be along the S side of the area as shown. The access road will be from the S. 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 BLM.

The access road to the drill pad will be revegetated, if needed. Any damage to present existing roads will be repaired as needed.
3. Prior to rig release, the pits will be fenced on the fourth side and so maintained until cleanup is accomplished. The reserve pit will have fencing on three sides during drilling.

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 area slopes from the rim of the Book Cliff Mountains to the South to the White River to the North, & is a portion of the Roan Plateau. The area is interlaced w/numerous canyons & ridges which are extremely steep w/numerous ledges formed in sandstone, conglomerates, and shale deposits.

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): None
Archaeological research & study done by AERC, SLC, Utah.

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

or

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

Phone : (801) 722-4521

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

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

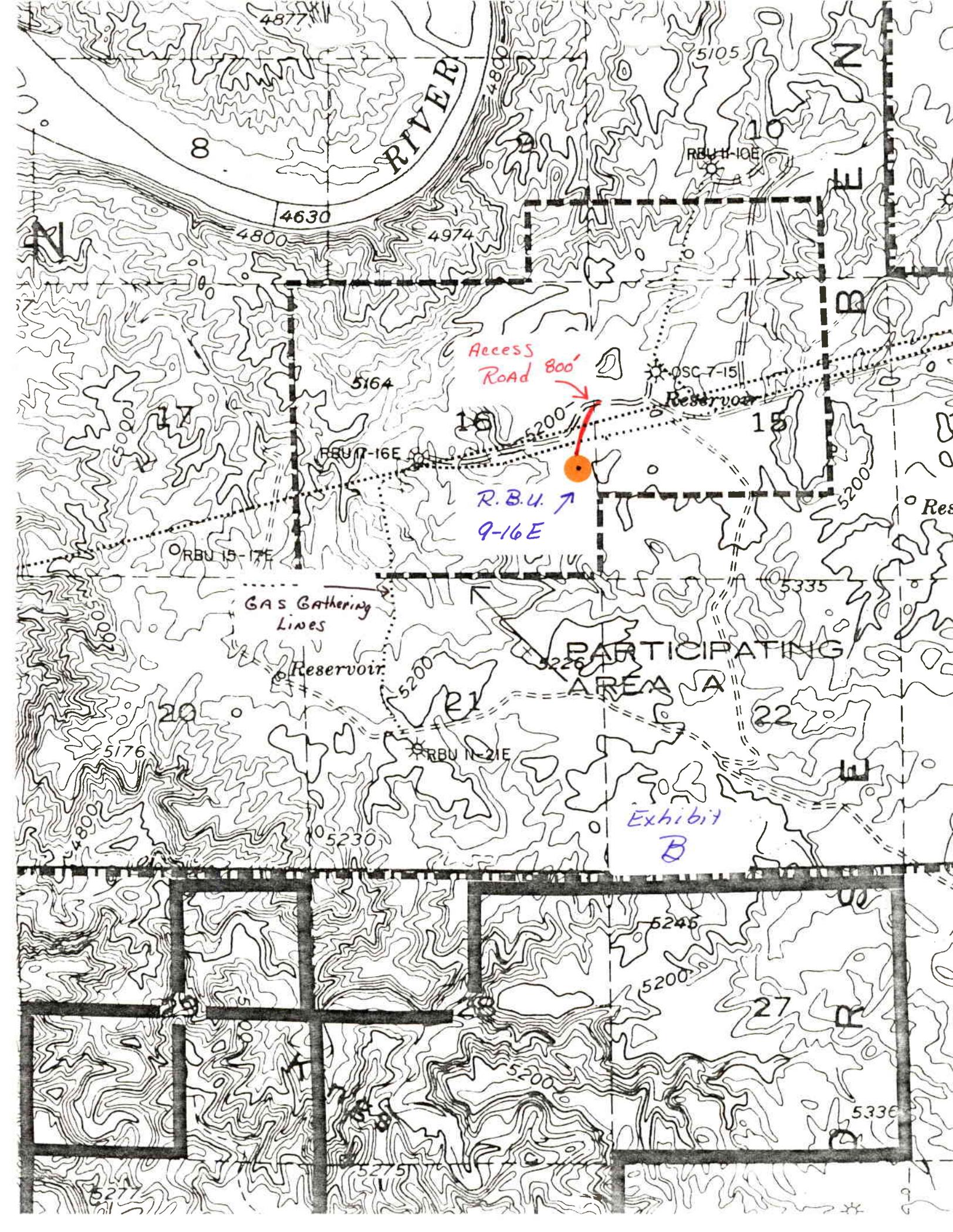
7/30/80

NAME

J.D. Holliman
J.D. Holliman

Manager of Operations

TITLE



RIVER

Access Road 800'

R.B.U. 9-16E

PARTICIPATING AREA A

Exhibit B

GAS Gathering Lines

Reservoir

OSC-7-15

Reservoir

RBU 7-16E

RBU 15-17E

RBU 11-21E

RBU 11-10E

4630

4800

4974

5164

5105

10

16

18

5335

5226

5176

5230

5245

5200

27

5336

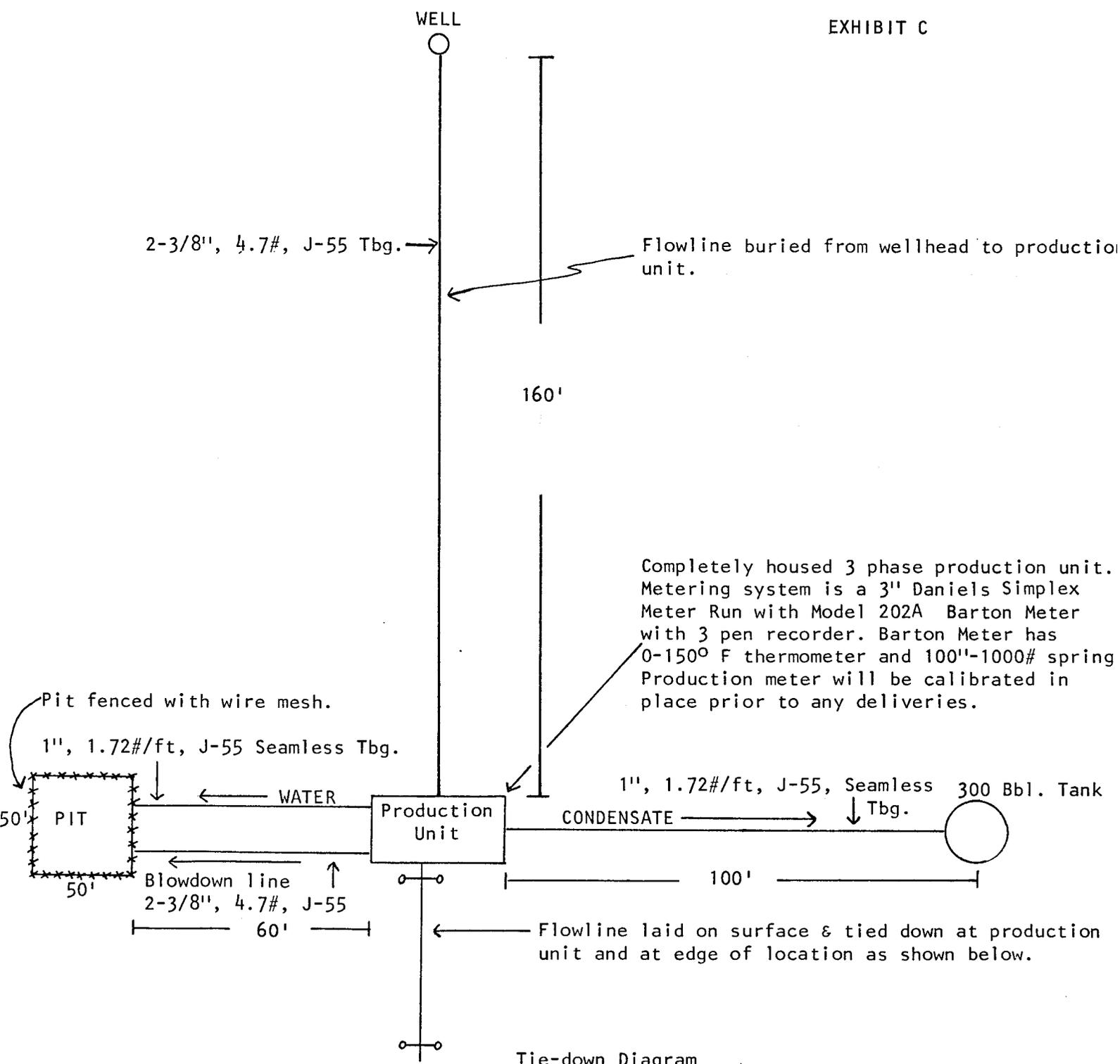
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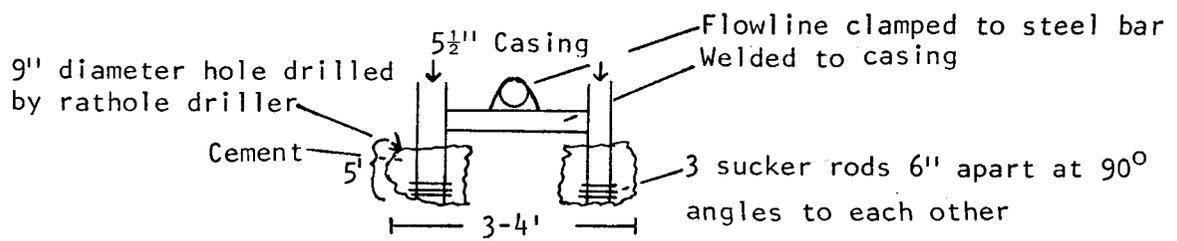
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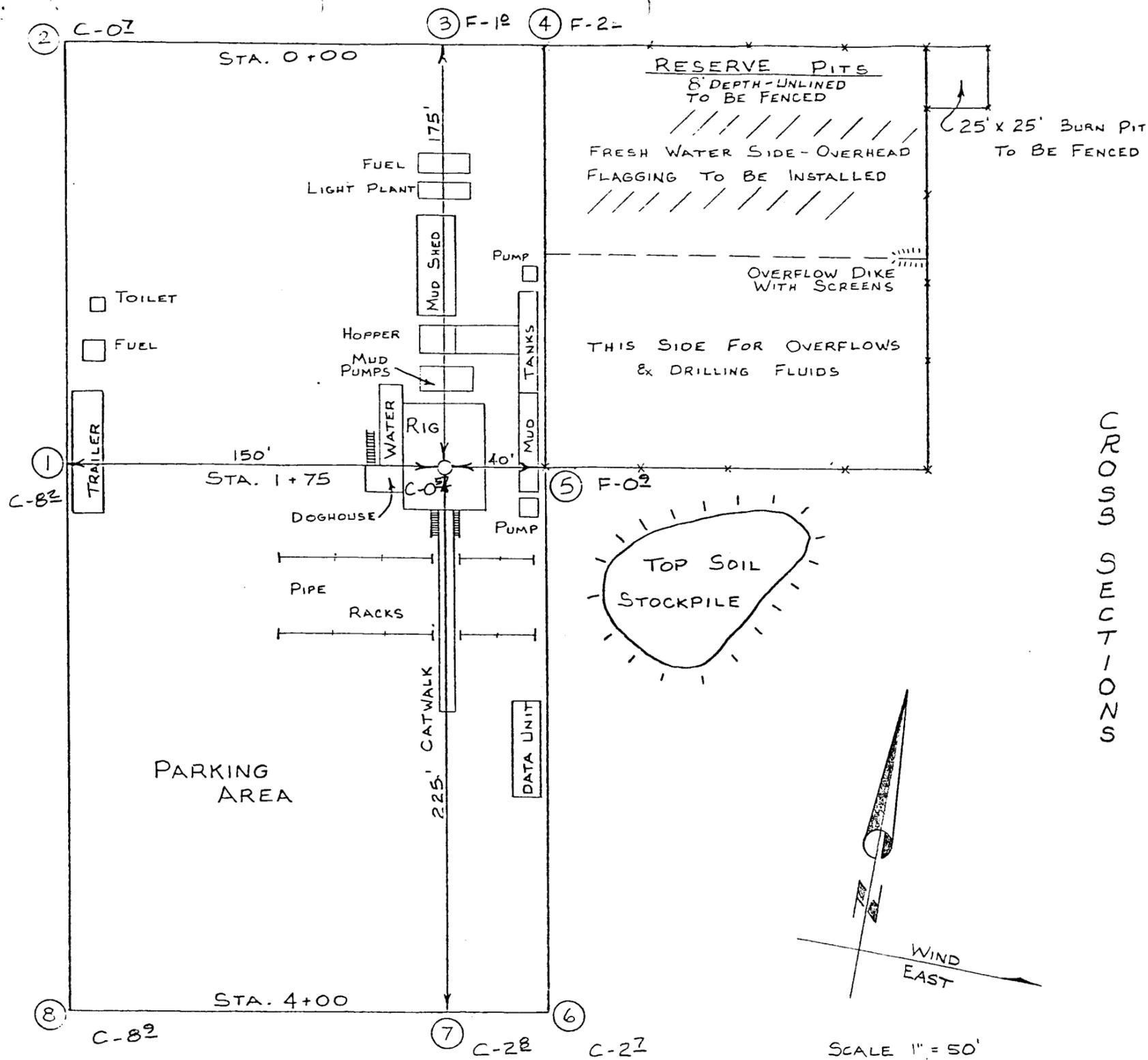
Subject	RIVER BEND UNIT NO 9-16E	Date	
		Sheet	of
		By	

EXHIBIT C

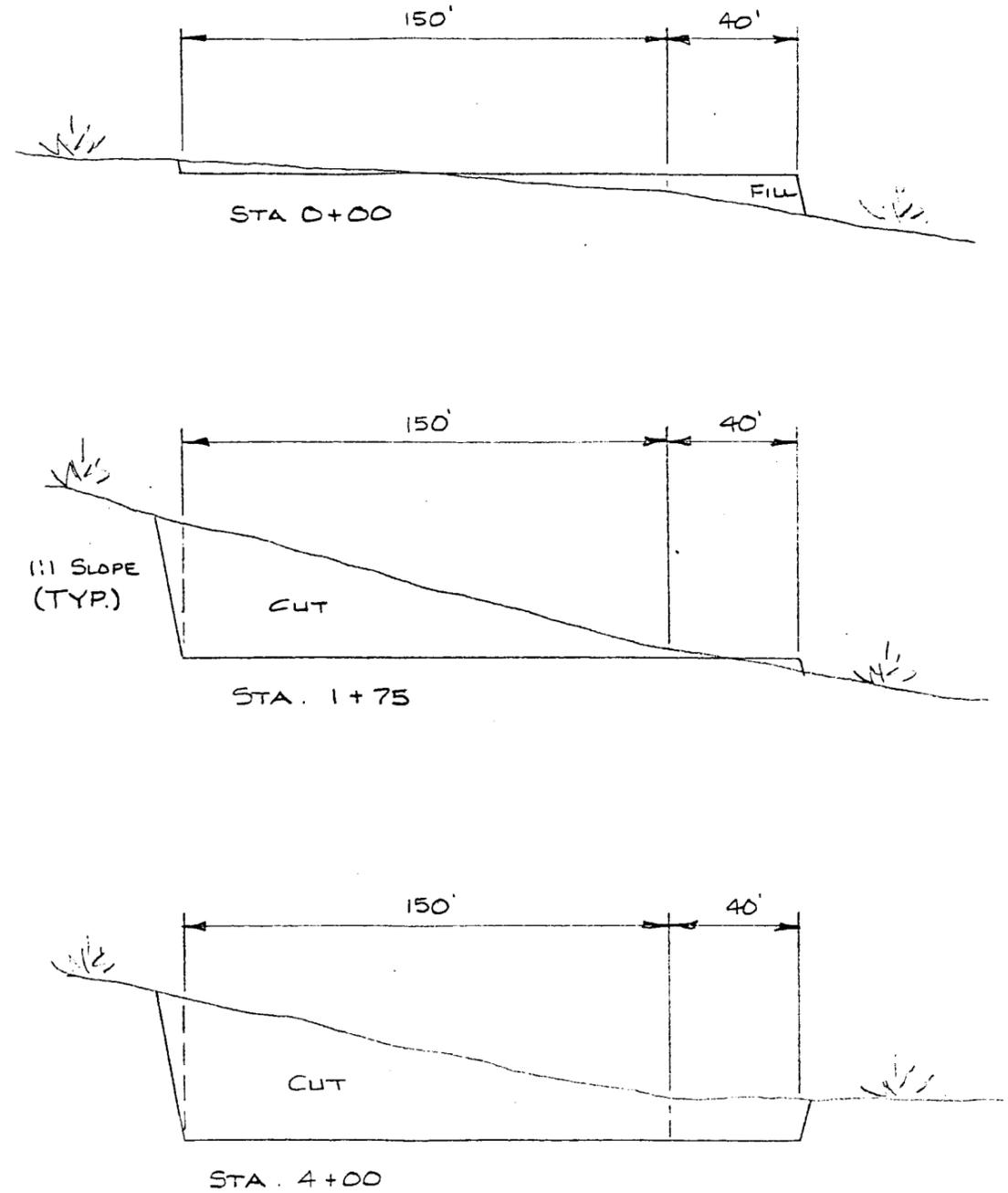


Tie-down Diagram





MAPCO INCORPORATED
RIVER BEND UNIT № 9-16-E
CUT SHEET

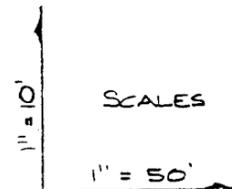


CROSS SECTIONS

SOILS LITHOLOGY
- NO SCALE -



SCALE 1" = 50'



APPROX. YARDAGES

CUT	9,494	CU. YDS.
FILL	446	CU. YDS.

Exhibit E.

** FILE NOTATIONS **

DATE: Aug 4, 1980

OPERATOR: Masco Production Co.

WELL NO: RBV 9-16E

Location: Sec. 16 T. 10S R. 19E County: Utah

File Prepared:

Entered on N.I.D:

Card Indexed:

Completion Sheet:

API Number 43-047-30758

CHECKED BY:

Petroleum Engineer: M.S. Minder 8-6-80

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: State
Oil

Plotted on Map

Approval Letter Written

Hot Line

P.I.

Utah

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. 10S, 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.

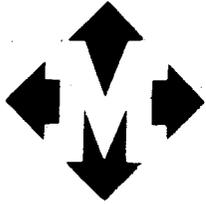
Sincerely,

DIVISION OF OIL, GAS AND MINING

Michael T. Minder
Petroleum Engineer

/bh

cc: USGS



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

DIVISION OF
OIL, GAS & MINING

JUN 3 1981

[Handwritten signature]

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 1981

DIVISION OF
OIL, GAS & MINING