

Plugg 2 & Abandoned - 5/17/80

** FILE NOTATIONS **

DATE: January 15, 1980

Operator: Mapco Production Company

Well No: Federal # 11-26A

Location: Sec. 26 T. 9S R. 18E County: Uintah

File Prepared:

Entered on N.I.D.:

Card Indexed:

Completion Sheet:

API Number 43-047-30672

CHECKED BY:

Geological Engineer: _____

Petroleum Engineer: _____

Director: OK C-3 I

APPROVAL LETTER:

Bond Required:

Survey Plat Required:

Order No. _____

O.K. Rule C-3

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

Lease Designation Fed

Plotted on Map

Approval Letter Written

Utm

#1

*nl
PI*

January 25, 1980

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

Re: Well No. Federal #11-26A
Sec. 26, T. 9S, R. 18E.,
Uintah County, Utah

Insofar as this office is concerned, approval to drill the above referred to gas 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
Geological Engineer
Office: 533-5771
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-047-30672.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Michael T. Minder
Geological Engineer

/b:tm

cc: USGS



mapco PRODUCTION COMPANY

March 21, 1980

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

Attention: Mr E W Guynn

Well file copy

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

Gentlemen:

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

Thank you,

MAPCO Production Company

Richard Baumann

Richard Baumann
Engineering Technician

REB/jlu
Enclosure

RECEIVED

MAR 24 1980

DIVISION OF
OIL, GAS & MINING



mapco PRODUCTION COMPANY

March 24, 1980

U.S. Geological Survey
Conservation Division
Branch of Oil & Gas
2000 Administration Bldg.
1745 West 1700 South
Salt Lake City, Utah 84104

Attention: Mr E W Guynn

Re: Designation of Operator and
Bonding for the Federal 11-26A

Gentlemen:

Please find enclosed three (3) copies of the Designation of Operator and verification of bonding for Merle C. Chambers which are needed for final approval of the APD for the Federal 11-26A. If there is any other information which is needed, please notify us.

Thank you,

MAPCO Production Company

Richard Baumann

Richard Baumann
Engineering Technician

REB/jlu
Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR MAPCO PRODUCTION COMPANY
Alpine Executive Center

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2098' FWL & 1926' FSL
AT TOP PROD. INTERVAL: SAME
AT TOTAL DEPTH: SAME

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

5. LEASE U-19266

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO. Federal 11-26A

10. FIELD OR WILDCAT NAME Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 26,
T. 9 S., R. 18 E.

12. COUNTY OR PARISH Uintah 13. STATE Utah

14. API NO. 43-047-30672

15. ELEVATIONS (SHOW DF, KDB, AND WD) 4935' Ungraded 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) Change Production Facilities

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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

SEE ATTACHED FOR AMENDED FACILITIES

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING

DATE: 3/31/80

BY: [Signature]

RECEIVED
MAR 24 1980
DIVISION OF
OIL, GAS & MINING

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

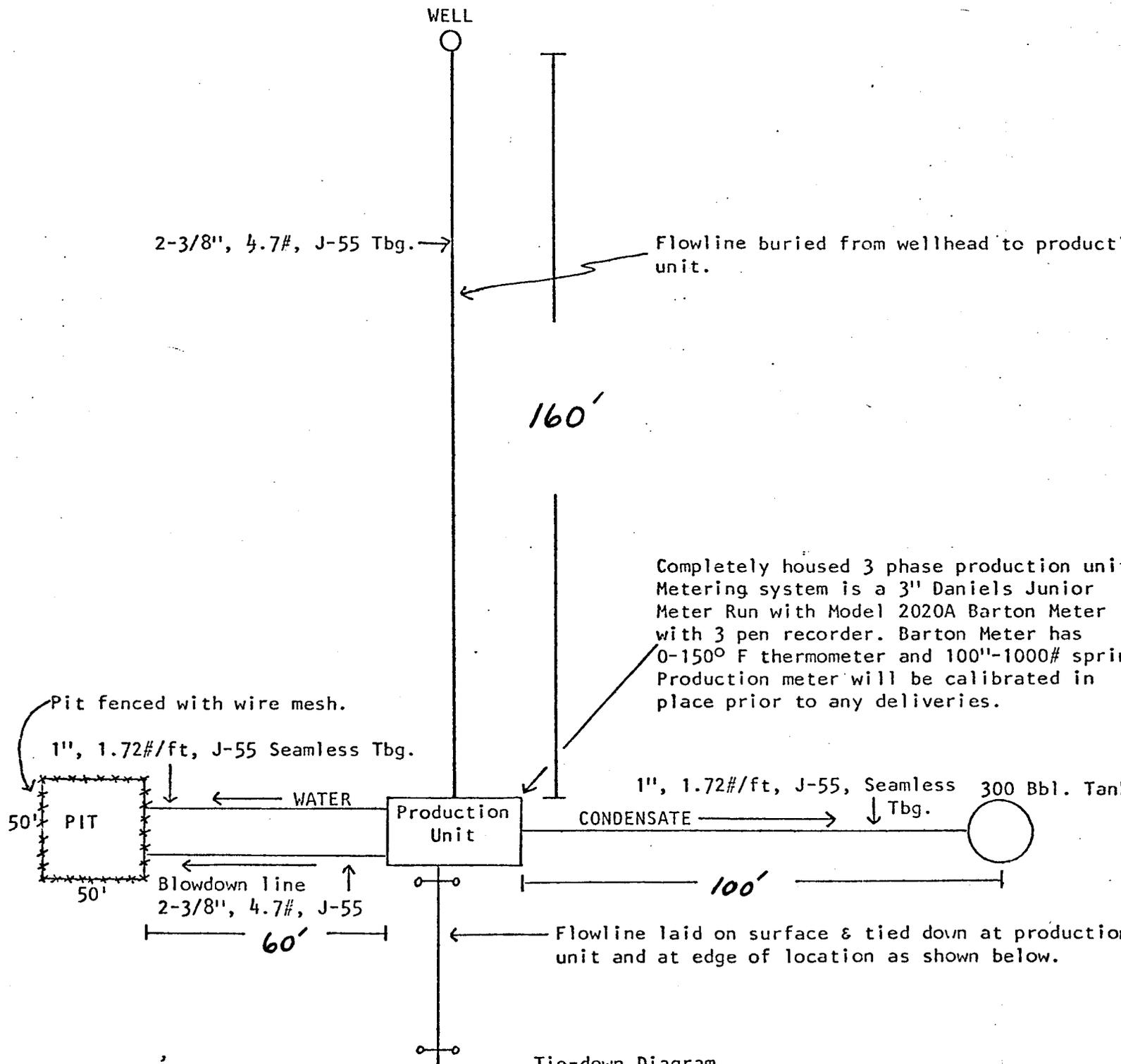
18. I hereby certify that the foregoing is true and correct

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

(This space for Federal or State office use)

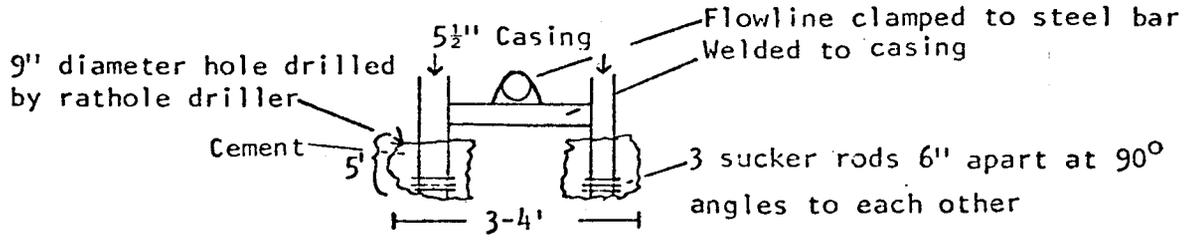
APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:



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





United States Department of the Interior

IN REPLY REFER TO

T & R
U-801

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

February 26, 1980

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

Re: MAPCO Production Company
~~11-26A~~ Section 26, T9S, R18E
Well #12-30B Section 30, T9S, R19E.

Dear Mr Guynn:

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

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



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

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

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

Sincerely:



Ralph J. Heft
Diamond Mountain Area Manager

cc: USGS, Vernal

DESIGNATION OF OPERATOR

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

DISTRICT LAND OFFICE: Salt Lake City, Utah
SERIAL No.: Utah-19266

RECEIVED
MAR 26 1980

and hereby designates

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

DIVISION OF
OIL, GAS & MINING

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

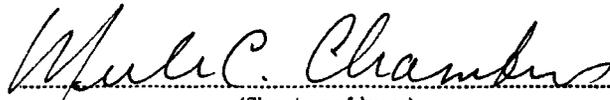
Township 9 South, Range 18 East, S.L.M.
Section 26: All

Uintah County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.


.....
(Signature of lessee)

Merle C. Chambers
410 17th St., Suite 1130
Denver, CO 80202
.....
(Address)

February 21, 1980
.....
(Date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR MAPCO PRODUCTION COMPANY
Alpine Executive Center

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2098' FWL & 1926' FSL
AT TOP PROD. INTERVAL: SAME
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 type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) <u>CHANGE PLANS</u>	

5. LEASE U-19266

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO. Federal 11-26A

10. FIELD OR WILDCAT NAME Wildcat

11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA Sec. 26,
T. 9 S., R. 18 E.

12. COUNTY OR PARISH Uintah 13. STATE Utah

14. API NO. 43-047-30672

15. ELEVATIONS (SHOW DF, KDB, AND WD)
4935' Ungraded G.L.

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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

MAPCO proposes to change the T.D. of its well from 9312' in the Mesaverde formation to 5300' in the Green River formation. Please see the attached revised Casing, Cementing and Drilling Program.

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING
DATE: 4-22-80
BY: W. J. Minder



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

18. I hereby certify that the foregoing is true and correct
SIGNED Richard Baumann TITLE Eng. Technician DATE 4-14-80
Richard Baumann

(This space for Federal or State office use)
APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

PROPOSED CASING, CEMENTING AND DRILLING PROGRAM
MAPCO PRODUCTION COMPANY
FEDERAL 11-26A

<u>SIZE OF HOLE</u>	<u>SIZE OF CASING</u>	<u>WEIGHT PER FOOT</u>	<u>SETTING DEPTH</u>	<u>QUANTITY CEMENT</u>
12-1/4"	8-5/8"	24# H-40	400'	Cmt to surface
7-7/8"	5-1/2"	14# K-55	5300'	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 5300' 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 5-1/2", 14#, K-55 casing. Casing program may be modified to provide added burst strength if needed for frac program.
6. Primary zone of interest is the Green River section.
7. All zones indicating potential for economically recoverable reserves will be tested in a normal, prudent manner.

RECEIVED
APR 16 1980

DIVISION OF
OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DUPLICATE

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, MONTANA 59102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface 2098' FWL & 1926' FSL
 At proposed prod. zone NE SW Sec. 26, T. 9 S., R. 18 E
 Same

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

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1926'

16. NO. OF ACRES IN LEASE 640

17. NO. OF ACRES ASSIGNED TO THIS WELL 640

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

19. PROPOSED DEPTH 9312'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4935' GL ungraded

22. APPROX. DATE WORK WILL START* 2-15-80

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH*	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48# K-55	150'	Cement to surface
12-1/4"	8-5/8"	24 & 32# K-55	4000'	Cement to surface
7-7/8"	5-1/2"	15.5# & 17# K-55 & N-80	9312'	Cement to 3500'

1. Drill a 17 1/2" hole with air rig to 150', run 13-3/8", 48#, H-40 casing and cement to surface. Release air rig and rig up big rig.
2. Nipple up and pressure test to 3000 psi WP BOP stack (see Fig. 1) prior to drilling out below surface pipe.
3. Test pipe ram daily and blind ram operation as possible.
4. Drill a 12 1/4" hole to 4000', run 24# and 32#, 8-5/8" K-55 casing. Cement to surface. A fresh water mud system will be used. No coring or DST's are planned.
5. Nipple up and pressure test BOP stack prior to drilling out.
6. Drill a 7-7/8" hole to 9312', using a salt water mud system.
7. A mud logger will be used from 150' to T.D.
8. Run logs and set 5 1/2", 15.5# and 17# K-55 and N-80 casing. Cement to 3500'.
9. The main objective zones are the Green River, Wasatch and Mesaverde.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to State of Utah, Department of Natural Resources Division of Oil, Gas, and Mining 1588 West North Temple, Salt Lake City, Utah 84114 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

1588 West North Temple
 Salt Lake City, Utah 84114
 APR 17 1980

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE APR 21 1980

APPROVED BY (Orig. Sgd.) R. A. Henricks FOR E. W. GUYNN
 TITLE _____ DISTRICT ENGINEER DATE APR 17 1980

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

*See Instructions On Reverse Side

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

NOTICE OF APPROVAL Production Facilities and Flowline NOT Approved

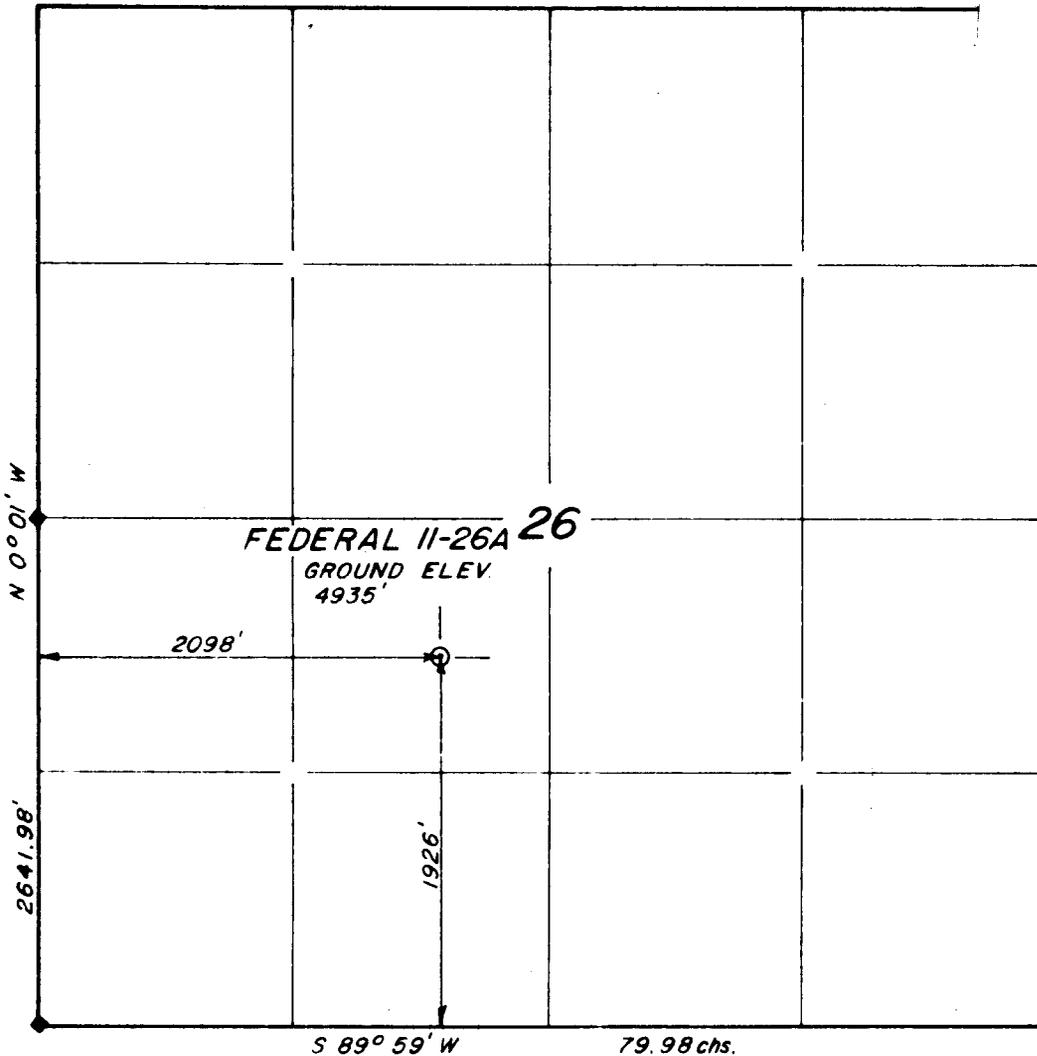
ut. O+G

MAPCO INC.
WELL LOCATION
FEDERAL 11-26A

LOCATED IN THE NE¹/₄ OF THE SW¹/₄ OF
 SEC. 26, T19S, R18E, S.L.B.&M.

Exhibit A

BEST COPY
 AVAILABLE



LEGEND & NOTES

- ◆ SECTION CORNERS FOUND AND USED.
- GENERAL LAND OFFICE NOTES AND PLAT WERE USED FOR REFERENCE AND CALCULATIONS.

SURVEYOR'S CERTIFICATE

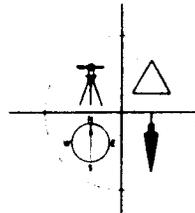
I hereby certify that this plat was prepared from field notes of an actual survey performed by me, during which the shown monuments were found or established.

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

REV. 10 DEC. '79

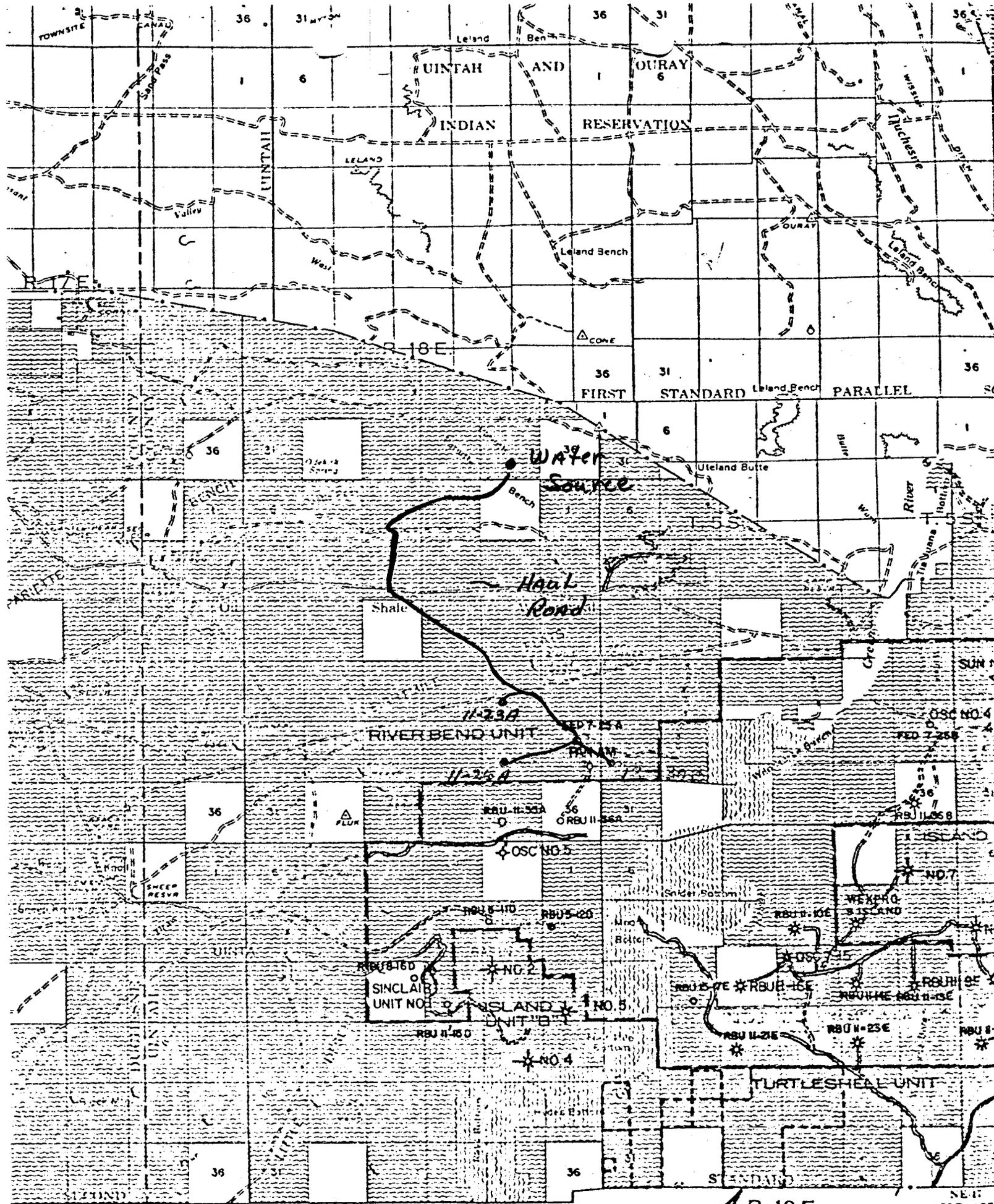
20 NOV '79

79-128-012



JERRY D. ALLRED & ASSOCIATES
 Surveying & Engineering Consultants

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



R. 17 E.

R. 18 E.

MAPCO ACREAGE R. 19 E.

NE 1/4
AUG. 1971
(REVISED)

720
SERIES

Exhibit C

Subject

Date 10-16-78

Sheet of

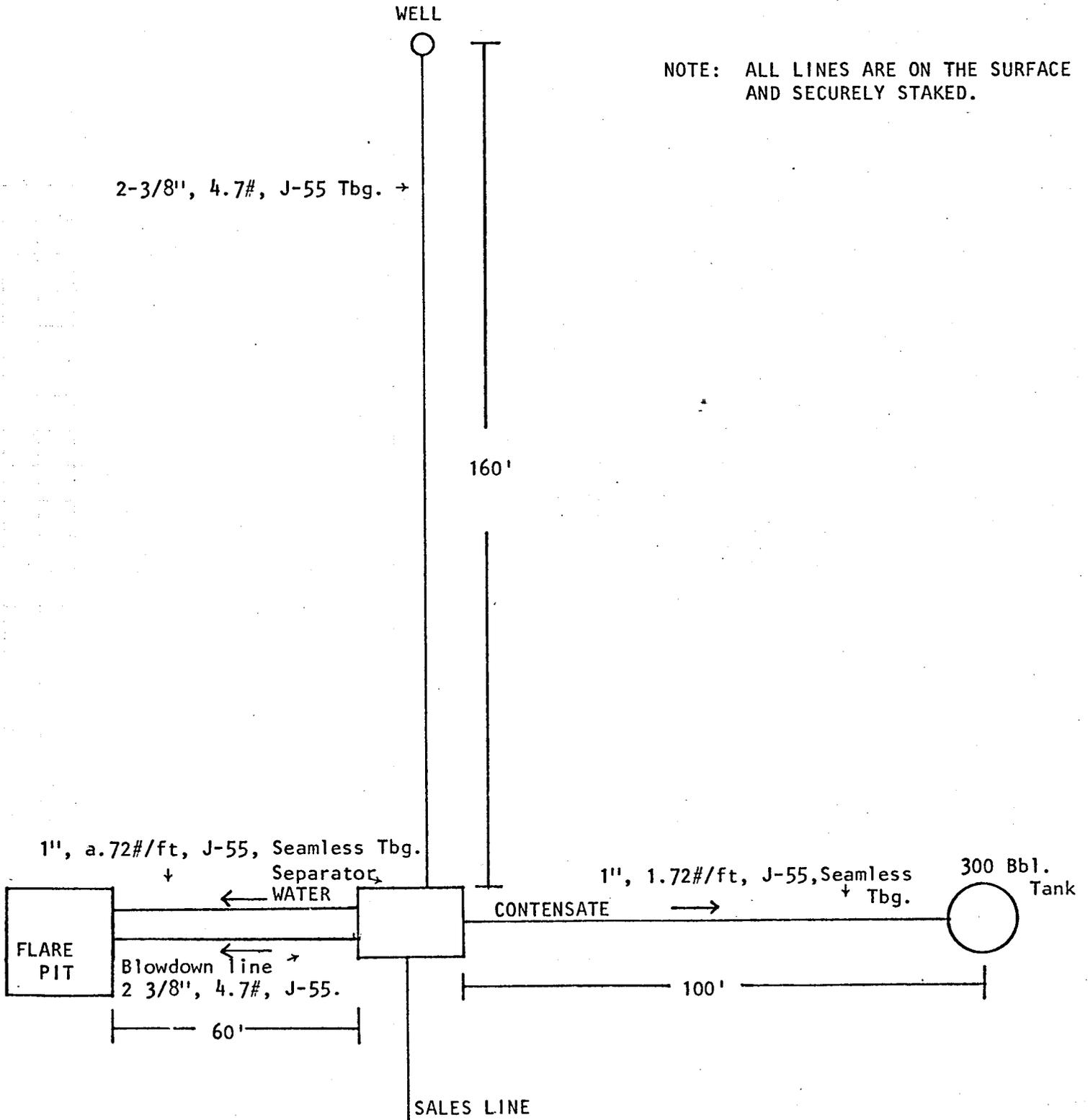
11-26A

By GLE

ATTACHMENT NO. 2

Exhibit D

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



T
9
S

Exhibit E

R 18 E

27

Sheep

26

13 mi. Access

25

Fd 11-26A

Fd 7-25A-7

Actual
Access Point

South side
of Rd
is part
of road

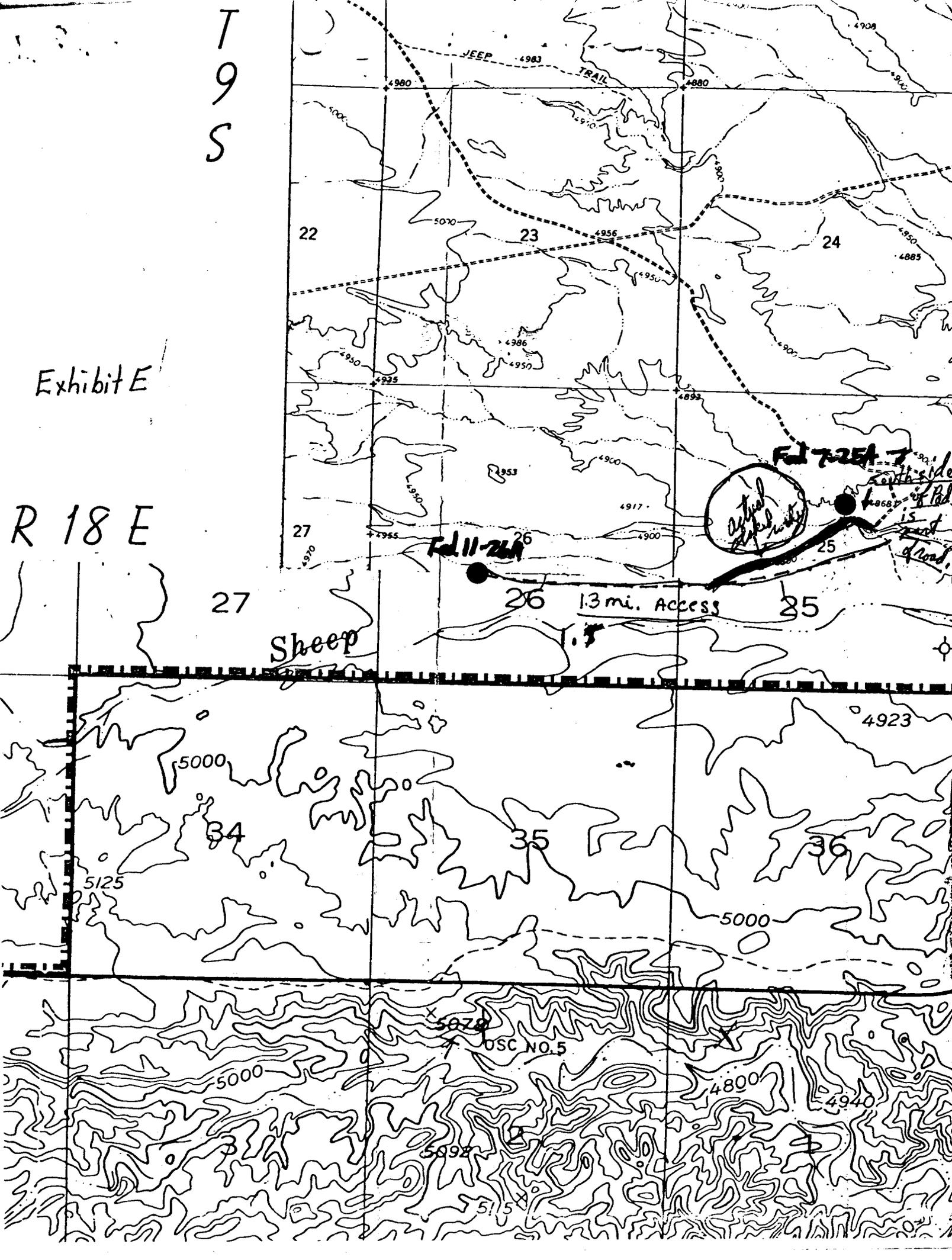
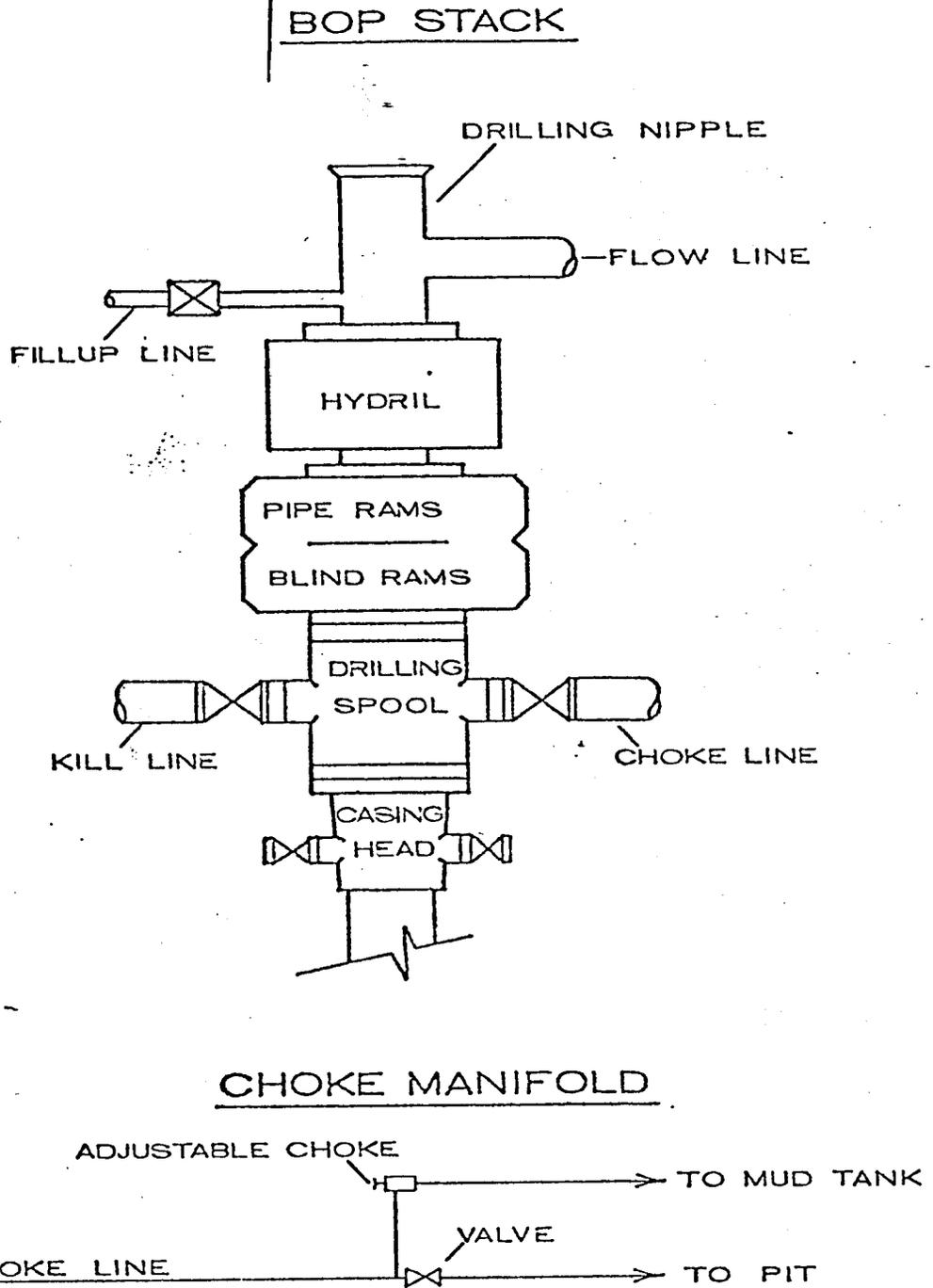


FIGURE 1



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

Attached to Form 9-331C

Company: MAPCO PRODUCTION COMPANY

Well: Federal 11-26A

Well Location: 2098' FWL & 1926' FSL

Section 26, T. 9 S., R. 18 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	1837
Wasatch	5297
Chapita Wells	6057
Uteland Buttes	7207
Mesaverde	8377

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

<u>Formation</u>	<u>Depth</u>	<u>Remarks</u>
Green River	2630	Water zone
Green River	4030	Oil zone
Wasatch	5297	Gas Zone
Mesaverde	8377	Gas Zone

4. The Proposed Casing Program

150'	Surface	13-3/8"	48#	H-40	Cement to surface
4000'	Intermediate String	8-5/8"	24# & 32#	K-55	Cement to surface
8377'	Production String	5-1/2"	15.5# & 17#	K-55 & N-80	Cement to 3500'.

TEN-POINT COMPLIANCE PROGRAM OF NTL-6

Well:

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

9. Any Anticipated Abnormal Pressures or Temperatures Expected

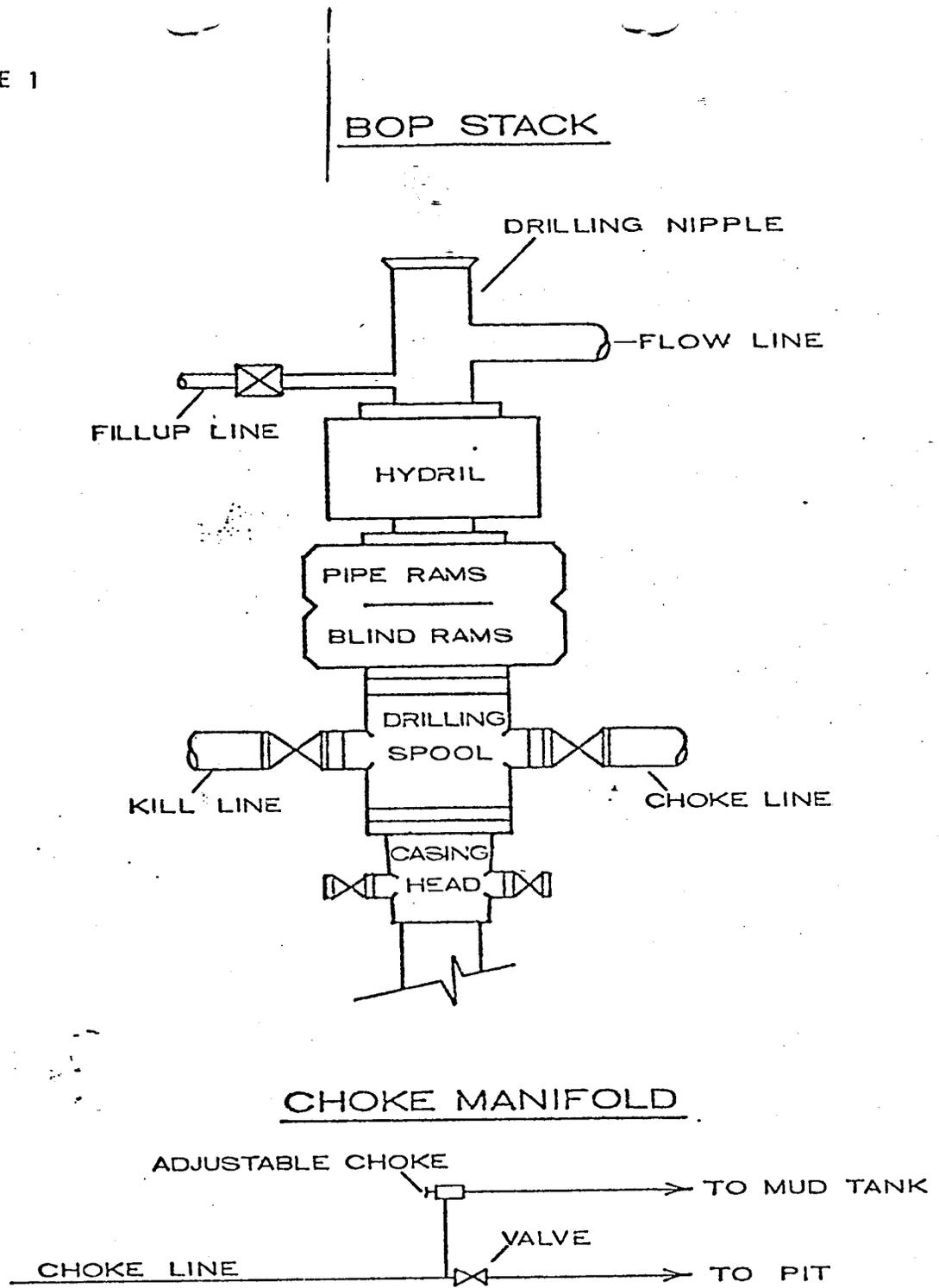
No abnormal pressures are anticipated nor is the area known for abnormal temperatures. The formations to be penetrated do not contain H₂S gas.

10. The Anticipated Starting Date and Duration of the Operations

Starting Date: 2-15-80

Duration: 30 days

FIGURE 1



MULTI-POINT REQUIREMENTS TO ACCOMPANY APD

Attached to Form 9-331C

COMPANY: MAPCO PRODUCTION COMPANY

WELL: Federal 11-26A

WELL LOCATION: 2098' FWL & 1926' FSL

Section 26, T. 9 S., R. 18 E.

County: Uintah

State: Utah

1. Existing Roads

- A. The proposed well site and elevation plat is shown as Exhibit A.
- B. Location is as shown in Exhibit E.
- C. An access road of about 1.2 mi. will be needed to reach the location from the existing road as shown in red on Exhibit E.
- D. All existing roads are shown on Exhibit C.
- E. There is no anticipated construction on any existing roads.

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 E. within the one-mile radius.

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

4. Location of Existing and/or Proposed Facilities

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

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

5. Injection Lines: None
6. Disposal Lines: None

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

1. No flagging then will be needed.

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

5. Water Supply

Water source is shown on Exhibit C.

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

6. Source of Construction Materials

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

7. Handling Waste Disposals

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

MULTI-POINT REQUIREMENTS TO ACCOMPANY APD

Well:

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

8. Ancillary Facilities

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

9. Well Site Layout

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

10. Plans for Restoration

1. Backfilling, leveling and gentle sloping is planned and will be accomplished as soon as possible after plugging or setting of production casing. Waste disposal and spoils materials will be burried 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 location is on a sandy clay flat area that slopes gently toward the East.

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

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

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

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

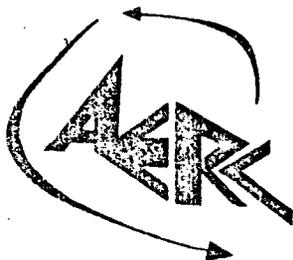
Surface ownership of all involved lands: BLM

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

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

Archaeological or historical sites (if any, shown on Exhibit B): A survey of the area has been done by the Archeological-Environmental Research Corporation (AERC). A report of their work is enclosed. No Archeological or Historical Sites were found. See Exhibit B.

NOV 27 1979



ARCHEOLOGICAL - ENVIRONMENTAL RESEARCH CORPORATION

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

November 26, 1979

Exhibit B

Fed. 11-26A

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

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

Project No.: MPC-79-5

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

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

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

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

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

GENERAL INFORMATION:

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

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

RESULTS AND RECOMMENDATIONS:

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

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

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

U.S.
Department of the Interior
Bureau of Land Management
Utah State Office

Summary Report of
Inspection for Cultural Resources

For BLM Use Only Attachment

BLM Report ID No. 1 - 10
Report Acceptable Yes No
Mitigation Acceptable Yes No
Comments: _____

1. Cultural Report or Project Eightmile Flat Drill Locations

2. Development Company Mapco, Inc.

3. BLM Mini Permit No. 41 45 4. BLM Antiquities Permit No. 179-114-b1d1

5. Report Date 56 58 59 62 6. Field Work Dates November 13 & 16, 1979

7. Responsible Institution AERC Fill in spaces 81, 85, 93, 97 only if:
V = Vernal Meridian
H = Half Township

8. Fieldwork Location: TWN 9 S 81 Range 18 E 85 Section(s) 9 14 15, 16, 23, 24
TWN 9 S 93 Range 19 E 97 Section(s) 310 100 101 25, 26

9. Resource Area DM Other: Uintah
102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120
County

BO = Bonneville, WA = Wasatch, HR = House Range, WS = Warm Springs,
SE = Sevier River, HM = Henry Mtns., BR = Beaver River, DX = Dixie,
KA = Kanab, ES = Escalante, SJ = San Juan, GR = Grand, PR = Price River,
SR = San Rafael, DM = Diamond Mountain, BC = Book Cliffs.

10. Description of Examination Procedures: Archeologists walked parallel and zigzag transects 15 meters apart inspecting a 150-foot radius from the center stake of drill locations; and also inspecting a 30-meter corridor for access roads and pipeline routes. Well locations included 11-23-A, 11-26-A, and 12-30-B.

11. Linear Miles Surveyed 7.7 and/or
Definable Acres Surveyed 104 and/or
*Legally Undefinable Acres Surveyed 113 121 122 130
(*A parcel hard to cadastrally locate i.e., center of section)

12. Inventory Type I
R = Reconnaissance
I = Intensive
S = Statistical Sample

13. Description of Findings (attach appendices, if appropriate) No cultural resources were observed during the survey.

14. Number Sites Found: 0 132
No sites = 0 132
15. Collection: N Y = Yes, N = No
138

16. Actual/Potential National Register Properties Affected:
No National Register Properties will be affected by this project.

17. Conclusion/Recommendations:
AERC recommends that a cultural resource clearance be granted to Mapco, Inc. based on adherence to the following stipulations:
(see reverse)

18. Signature of person in direct charge of field work: W. Smith

19. Signature and Title of Institutional Officer Responsible F. R. Hauck, Ph.D.

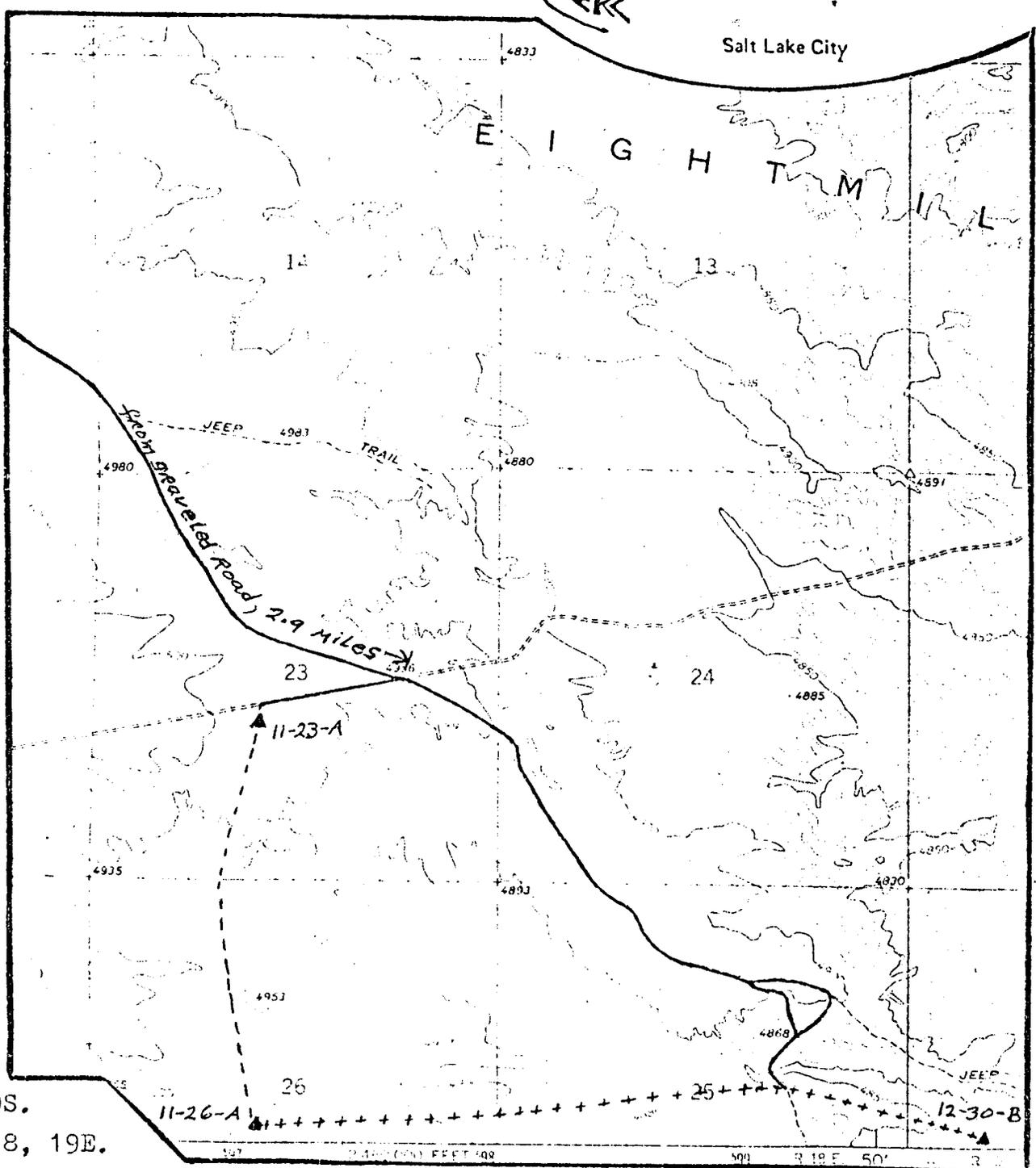
1. All vehicular traffic, personnel movement, and construction to be confined to the locations examined and to access roads leading into these locations.

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

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



Salt Lake City



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

Meridian: Salt Lake B. & M.

Quad:

Uteland Butte,
Utah
7.5 Minute
USGS

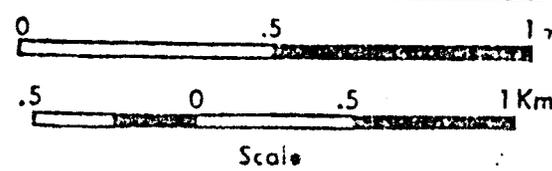


Project: MPC-79-5
Series: Uintah Basin
Date: 11-26-79

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

Legend:

- Proposed Drill Location
- Dirt Road to be Improved
- Proposed Access Road & Pipeline
- Proposed Pipeline



Subject

Date 10-16-78

Sheet of

11-26A

By GLE

ATTACHMENT NO. 2

Exhibit D

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

WELL

2-3/8", 4.7#, J-55 Tbg. →

160'

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

← WATER

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

→ CONTENSATE

300 Bbl. Tank

FLARE PIT

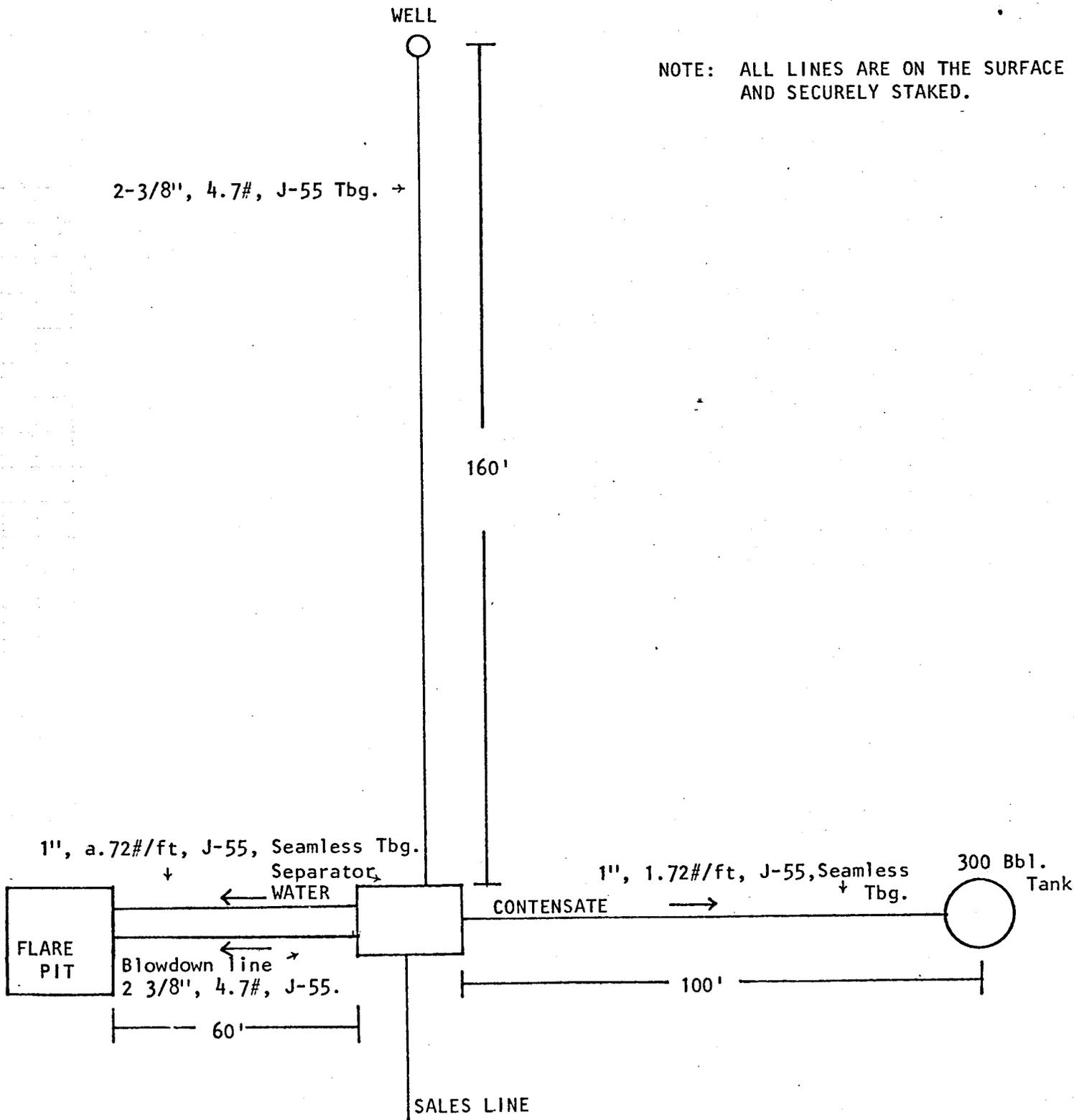
Blowdown line →
2 3/8", 4.7#, J-55.

60'

100'

SALES LINE

4



U. S. GEOLOGICAL SURVEY - CONSERVATION DIVISION

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

LEASE NO. U-19266

OPERATOR: MAPCO PRODUCTION CO.

WELL NO. FEDERAL 11-26 A

LOCATION: SE 1/4 NE 1/4 SW 1/4 sec. 26, T. 9 S., R. 10 E., SLM

VINTAH County, UTAH

1. Stratigraphy: ELEV. 4935 GL

SURFACE VINTA FM

ACCORDING TO PAN AMERICAN WELL #1 UNIT IN SEC. 25 OF SAME TP,
 EXPECTED TOPS WOULD BE AS FOLLOWS:

FORMATION	DEPTH
GREEN RIVER	886
WASATCH	5299
CHAPITA WELLS	6059
UTELAND BUTES	7209
MESAVERDE	8379

2. Fresh Water:

WATER RESOURCES DIVISION REPORTS FRESH OR USABLE WATER TO 3500'

3. Leasable Minerals:

PROSPECTIVELY VALUABLE FOR OIL SHALE

GILSONITE VEINS POSSIBLE

Additional Logs Needed: NONE

Potential Geologic Hazards: POSSIBLE ~~LO~~ LOSS OF CIRCULATION IN GREEN RIVER
 BELOW OIL SHALE INTERVAL

References and Remarks: 1 MILE NORTH OF BITTER CREEK - REDWASH 1K65

USGS PROF PADER 548
 USGS FILES, SALT LAKE CITY

Signature: J. Owen Billingsley

Date: 2-21-80

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

Mapco also plans to drill wells in Section 24 of T.9S, R.18E, and Section 30 of T.9S, R.19E. An onsite for the well to be in section 30 was also conducted on February 25. The south side of the well pad of recently completed Mapco #7-25A well in Section 25, T.9S, R.18 E. will be used for part of the access road to the well described in this EA.

7. Status of variance requests:

None known.

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

1. A drill pad 190' wide x 400' long and a reserve pit 150' x 175' would be constructed. Approximately, 1.3 miles of new access road, averaging 18' in width, would be constructed from a maintained road. 5.2 acres of disturbed surface would be associated with the project.

A cattleguard will be required at a fence crossing the access road. The fence is near the ease side section line of section 26.

2. Drilling would be to a proposed depth of 9312 feet.

The access road was changed per the attached map to allow the actual route flagged to be shown on the map more closely.

Environmental Considerations of the Proposed Action:

Regional Setting/Topography: The location is on a flat open area gently sloping to the west.

PARAMETER

A. Geology: The surface formation is the Uintah formation. Oil is anticipated in the Green River formation and gas is anticipated in the Wasatch and Mesaverde formation.

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

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

Possible Gilsonite veins.

Information Source: Mining Report.

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

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

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

Information Source: Onsite.

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

Information Source: Onsite.

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

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

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

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

B. Soils:

1. Soil Character: The soils of this area are light brownish-gray clays (OL) to sandy soils (SM-ML) with poorly graded gravels and shales and small outcroppings of rock, sandstone, mudstone, conglomerates and shales.

Information Source: The APD and the onsite.

2. Erosion/Sedimentation: Some impact will result from the 5.2 acres of surface disturbed by pad and access road construction. The new construction will not cross any significant drainages.

Information Source: Onsite.

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

Information Source: Onsite.

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

Information Source: Onsite.

E. Water Resources

1. Hydrologic Character

a. Surface Waters: The well would be located about 3 miles from the Green River.

Information Source: APD map exhibit D.

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

Information Source: APD.

2. Water Quality

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

Information Source: APD.

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

Information Source: APD.

F. Flora and Fauna

1. Endangered and Threatened Species Determination

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

2. Flora: Vegetation in the area consists of shadscale, native grasses and some sagebrush.

Information Source: Onsite.

3. Fauna: Is sparse but consists of mule deer, coyotes, pronghorn antelope, rabbits, rodents, and various small reptiles. Birds of the area are raptors, finches, ground sparrows, magpies, crows and jays.

Information Source: The 13-Point Plan of the APD.

G. Land Uses

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

Information Source: Onsite information.

2. Affected Floodplains and/or Wetlands: None.

Information Source: Onsite.

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

Information Source: Onsite.

I. Socioeconomics: This one well would represent only a minor impact to the socio-economical development of the area. The cumulative effect of the impact of many wells is becoming significant in this part of Uintah County.

Information Source: Onsite.

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

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

K. Adequacy of Restoration Plans: The APD outlines an adequate plan. The Surface Managing Agency will also be further consulted when the restoration processes are ready to begin.

Information Source: BLM Stipulations.

Alternatives to the Proposed Action:

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

Adverse Environmental Effects:

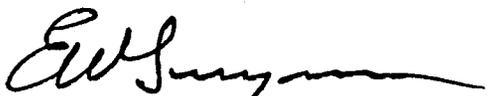
1. If approved as proposed:
 - a. About 5.2 acres of vegetation would be removed, increasing and accelerating erosion potential.
 - b. Pollution of groundwater systems would occur with the introduction of drilling fluids into the aquifers. The potential for interaquifer leakage and lost circulation is ever-present, depending on the casing program.
 - c. Minor air pollution would be induced on a temporary basis due to exhaust emissions from rig engines and support traffic.
 - d. The potential for fires, leaks, spills of gas and oil or water exists.
 - e. During construction and drilling phases of the operation, noise and dust levels would increase.
 - f. Distractions from aesthetics during the lifetime of the project would exist.
 - g. Erosion from the site would eventually be carried as sediment in the Green River. The potential for pollution to Green River would exist through leaks and spills.

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

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

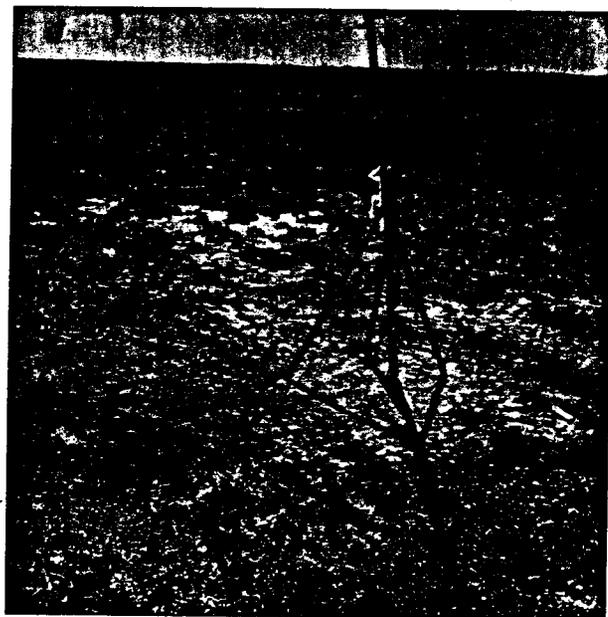
FEB 29 1980

Signature & Title of Approving Official

Date



Mapco 11-26A
Sec. 26, T. 9 S., R. 18 E.
Facing North



Mapco 11-26A
Sec. 26, T. 9 S., R. 18 E.
Facing South



United States Department of the Interior

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

2/13/80
Well # 11-26A
26-95-18E U19266
MAPCO
ECW # 245-80

RECEIVED

FEB 15 1980

OFFICE OF
AREA OIL SHALE SUPERVISOR
U.S. G.S.

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

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

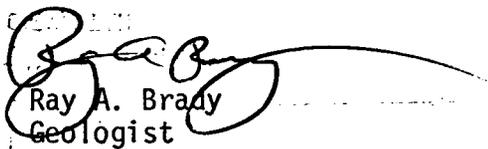
MAPCO 11-26A

February 19, 1980

Proposed casing and cementing program appears adequate for protection of the upper part of the Green River Formation. Production string would adequately protect the lower part of the Green River Formation. If the production string is not set, a cementing program will be required for protection of the lower Green River up to the 8-5/8" casing.

CERTIFIED COPY

1980


Ray A. Brady
Geologist

MULTI-POINT REQUIREMENTS TO ACCOMPANY APD

Attached to Form 9-331C

COMPANY: MAPCO PRODUCTION COMPANY

WELL: Federal 11-26A

WELL LOCATION: 2098' FWL & 1926' FSL

Section 26, T. 9 S., R. 18 E.

County: Uintah

State: Utah

1. Existing Roads

- A. The proposed well site and elevation plat is shown as Exhibit A.
- B. Location is as shown in Exhibit E.
- C. An access road of about 1.2 mi. will be needed to reach the location from the existing road as shown in red on Exhibit E.
- D. All existing roads are shown on Exhibit C.
- E. There is no anticipated construction on any existing roads.

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 E. within the one-mile radius.

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

4. Location of Existing and/or Proposed Facilities

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

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

5. Injection Lines: None

6. Disposal Lines: None

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

1. No flagging then will be needed.

2. The dimensions of the production facilities and the location of facilities is drafted on Exhibit D. If production is obtained, then the unused areas will be restored as later described.
 3. Concrete as needed and any gravels needed will be purchased from private sources.
 4. All pits will be fenced to minimize any hazard to sheep, cattle, antelope and other animals that graze the area. Flagging material will be used as needed, if water or other fluid is produced.
- C. 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 C.

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

6. Source of Construction Materials

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

7. Handling Waste Disposals

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

MULTI-POINT REQUIREMENTS TO ACCOMPANY APD

Well:

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

8. Ancillary Facilities

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

9. Well Site Layout

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

10. Plans for Restoration

1. Backfilling, leveling and gentle sloping is planned and will be accomplished as soon as possible after plugging or setting of production casing. Waste disposal and spoils materials will be burried 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 location is on a sandy clay flat area that slopes gently toward the East.

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

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

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

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

Surface ownership of all involved lands: BLM

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

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

Archaeological or historical sites (if any, shown on Exhibit B):
A survey of the area has been done by the Archeological-Environmental Research Corporation (AERC). A report of their work is enclosed. No Archeological or Historical Sites were found. See Exhibit B.

DESIGNATION OF OPERATOR

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

DISTRICT LAND OFFICE: Salt Lake City, Utah
SERIAL No.: Utah-19266

and hereby designates

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

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

Township 9 South, Range 18 East, S.L.M.
Section 26: All

Uintah County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.



(Signature of lessee)

Merle C. Chambers
410 17th St., Suite 1130
Denver, CO 80202

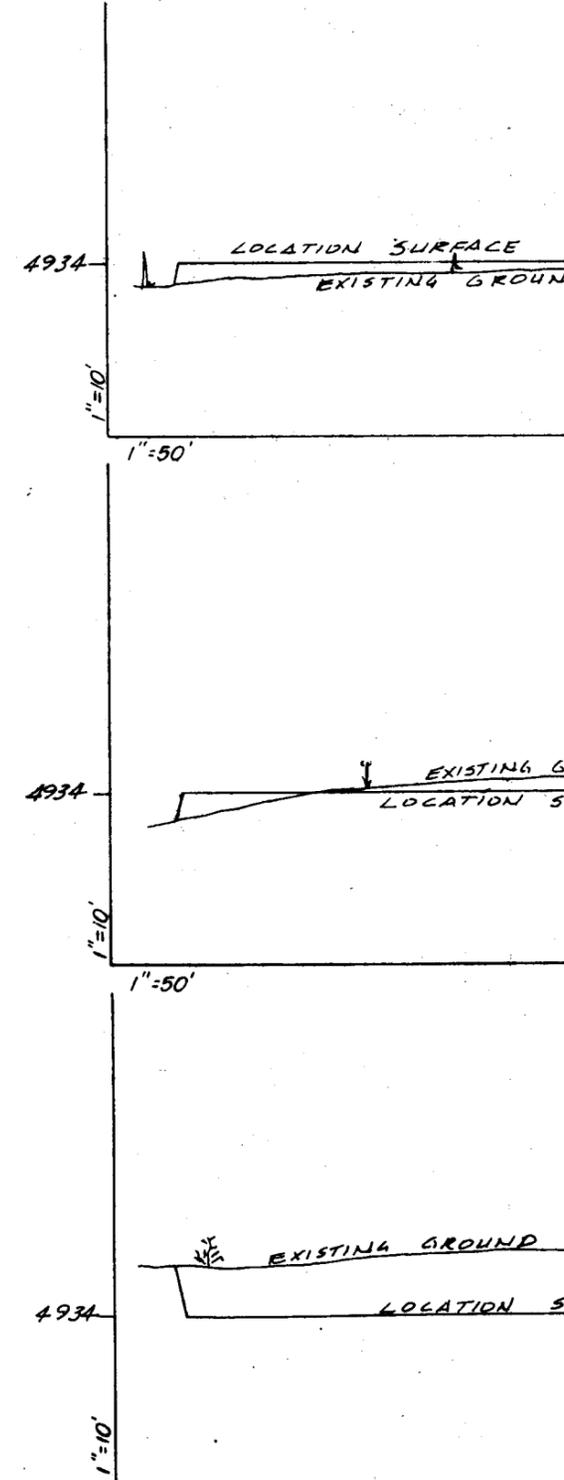
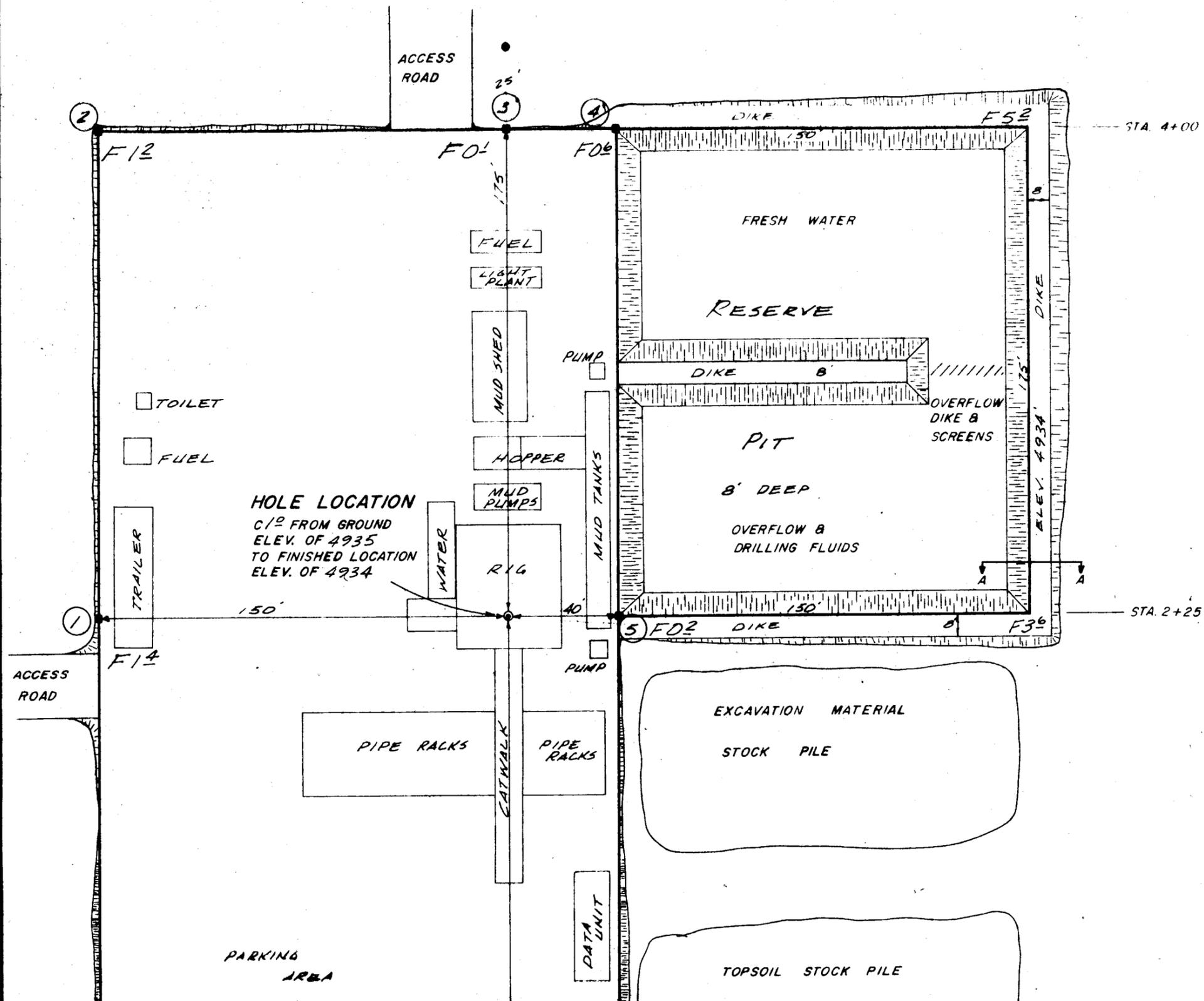
(Address)

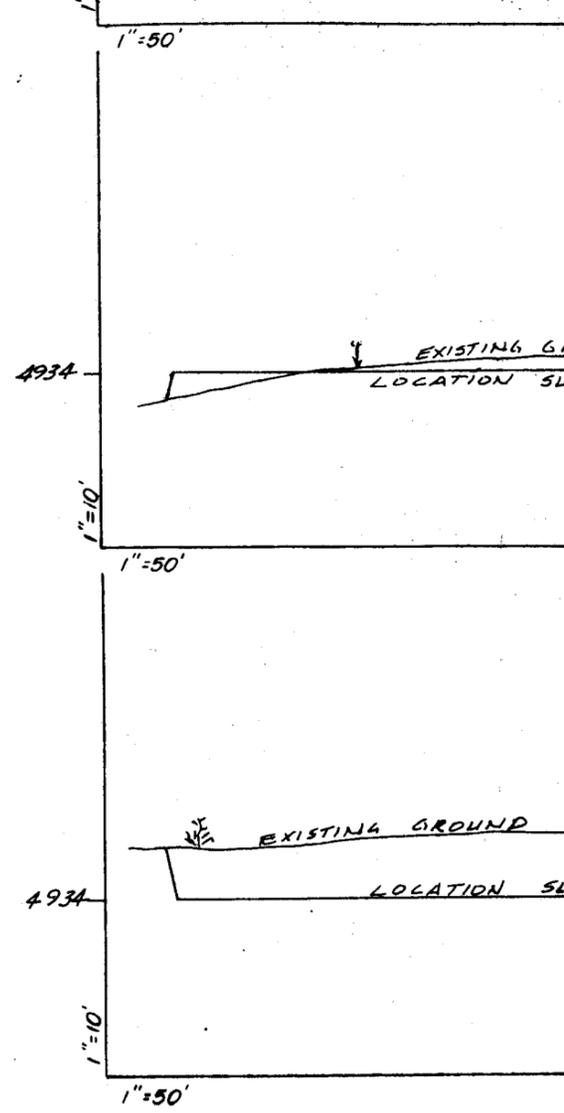
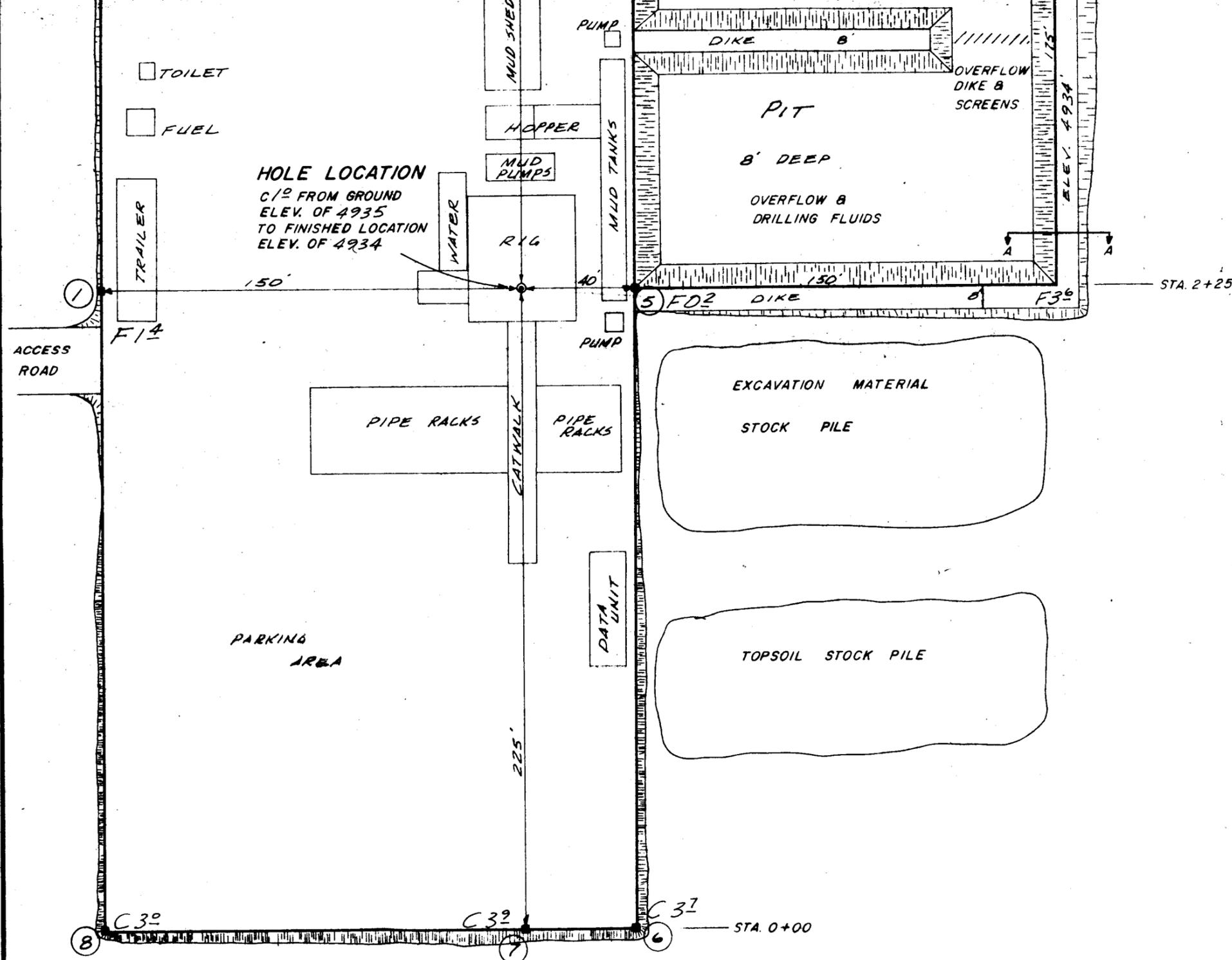
February 21, 1980

(Date)

MAPCO, INC.

FEDERAL 11-26A



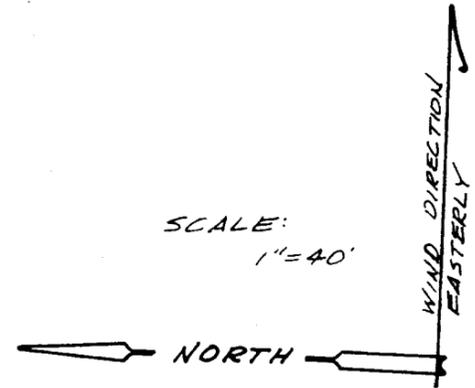


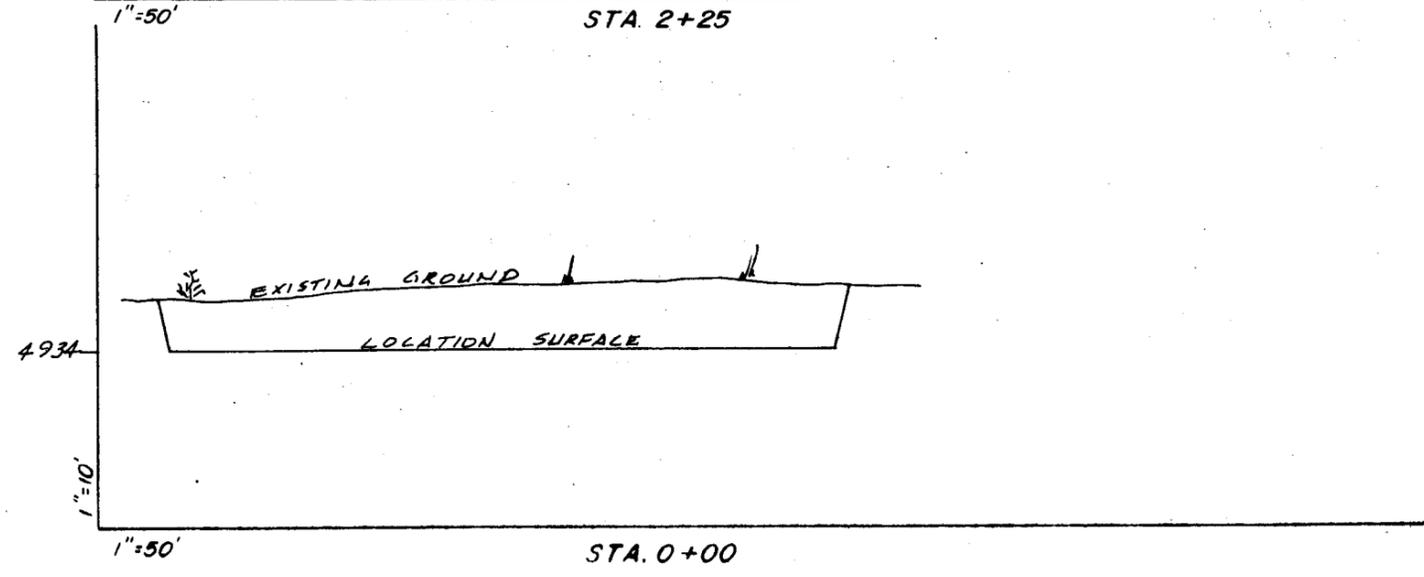
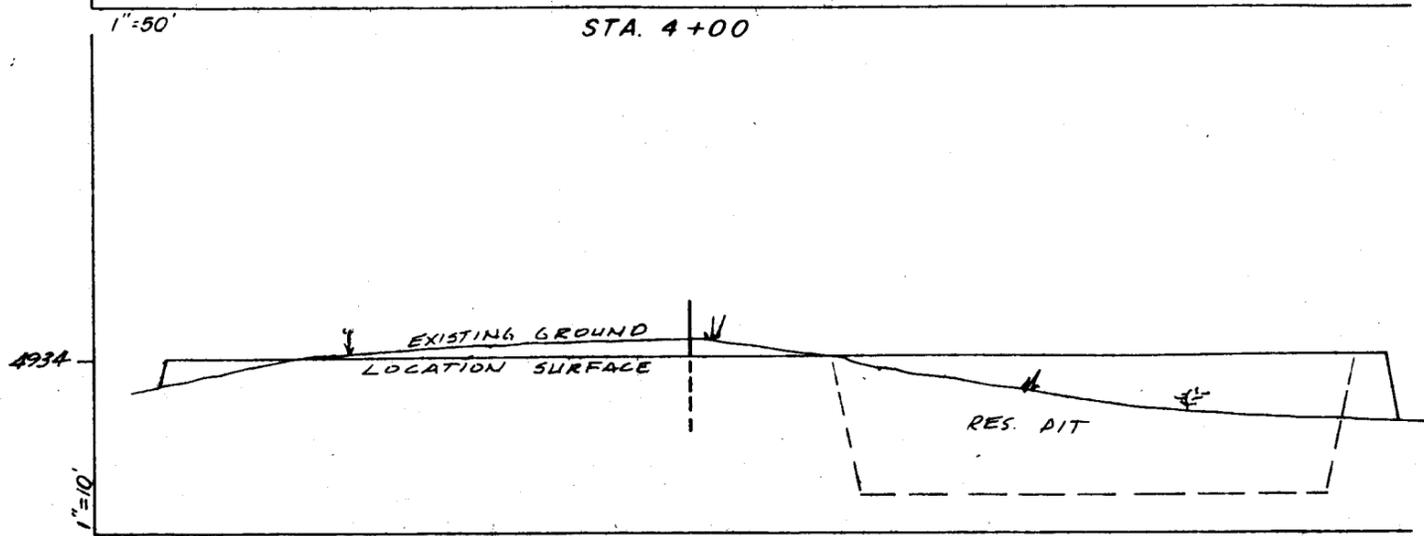
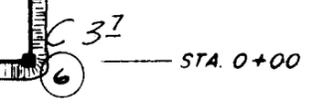
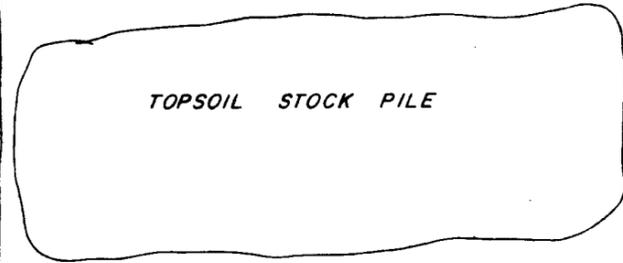
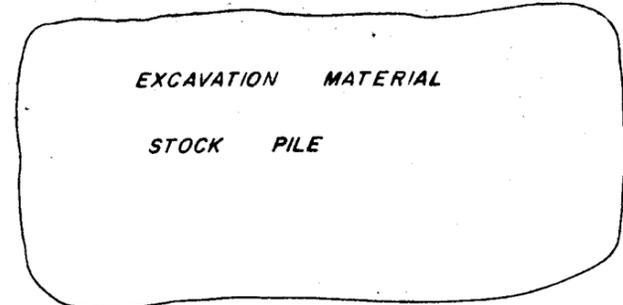
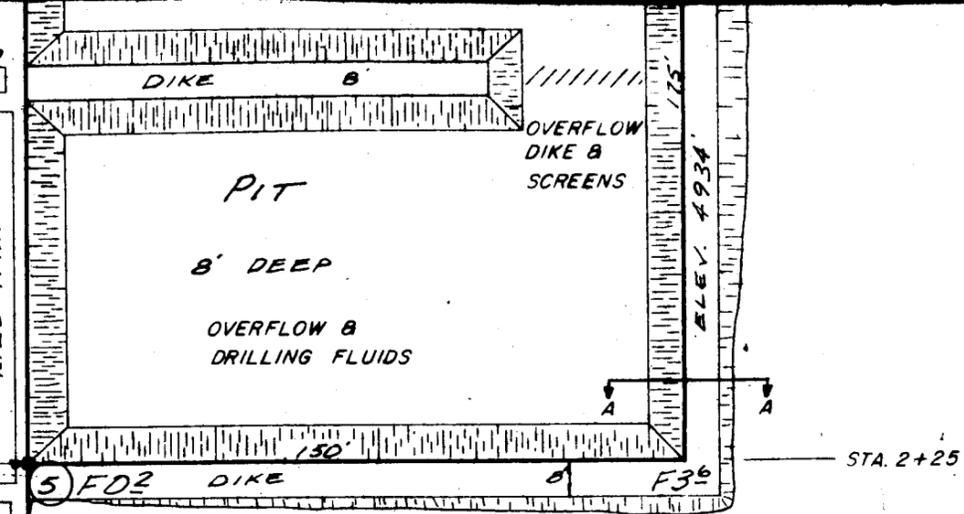
NOTES

- OVERHEAD FLAGGING TO BE INSTALLED OVER RESERVE PIT
- SOIL IS LIGHT BROWN SANDY CLAY & SANDSTONE.
- 1"X2"X24" STAKES SET AT THESE POINTS
- 1/2"X24" REBAR w/ LATH SET AT 200' REFERENCE POINT.

APPROXIMATE QUANTITIES

CUT: 4350 CU. YDS
 FILL: 1210 CU. YDS



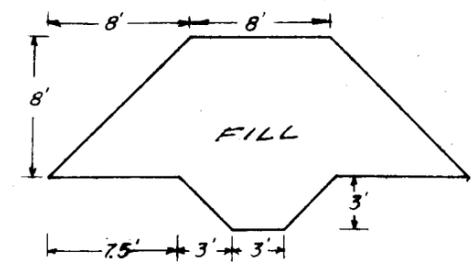


NOTES

- OVERHEAD FLAGGING TO BE INSTALLED OVER RESERVE PIT
- SOIL IS LIGHT BROWN SANDY CLAY & SANDSTONE.
- 1"X2"X24" STAKES SET AT THESE POINTS
- 1/2"X24" REBAR w/ LATH SET AT 200' REFERENCE POINT.

APPROXIMATE QUANTITIES

CUT: 4350 CU. YDS
 FILL: 1210 CU. YDS



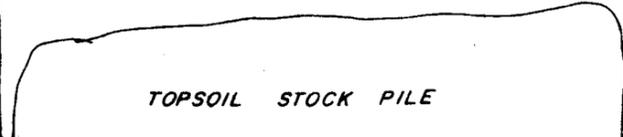
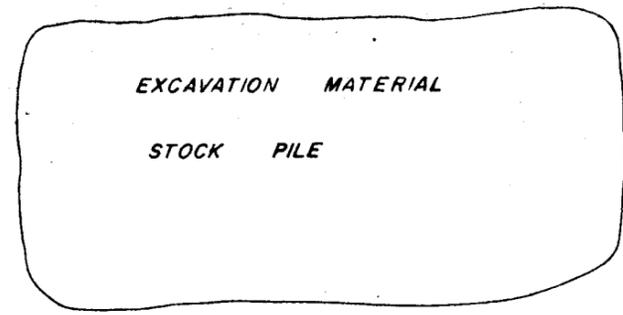
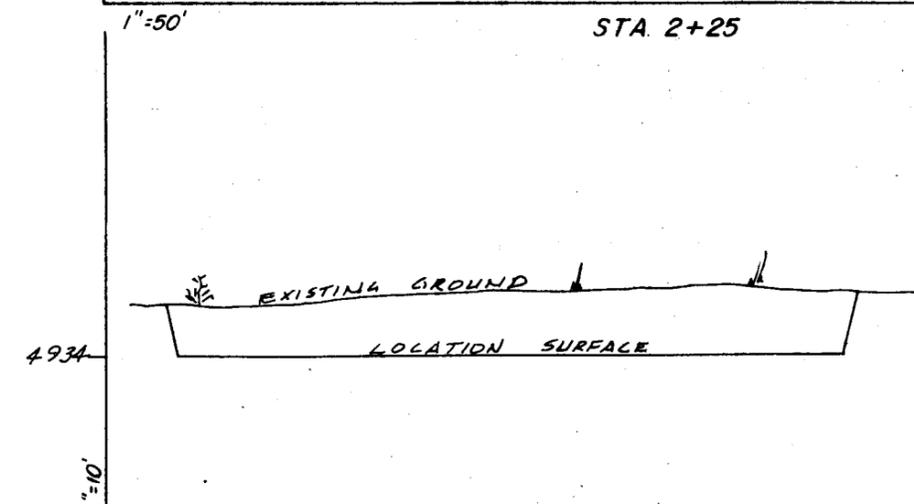
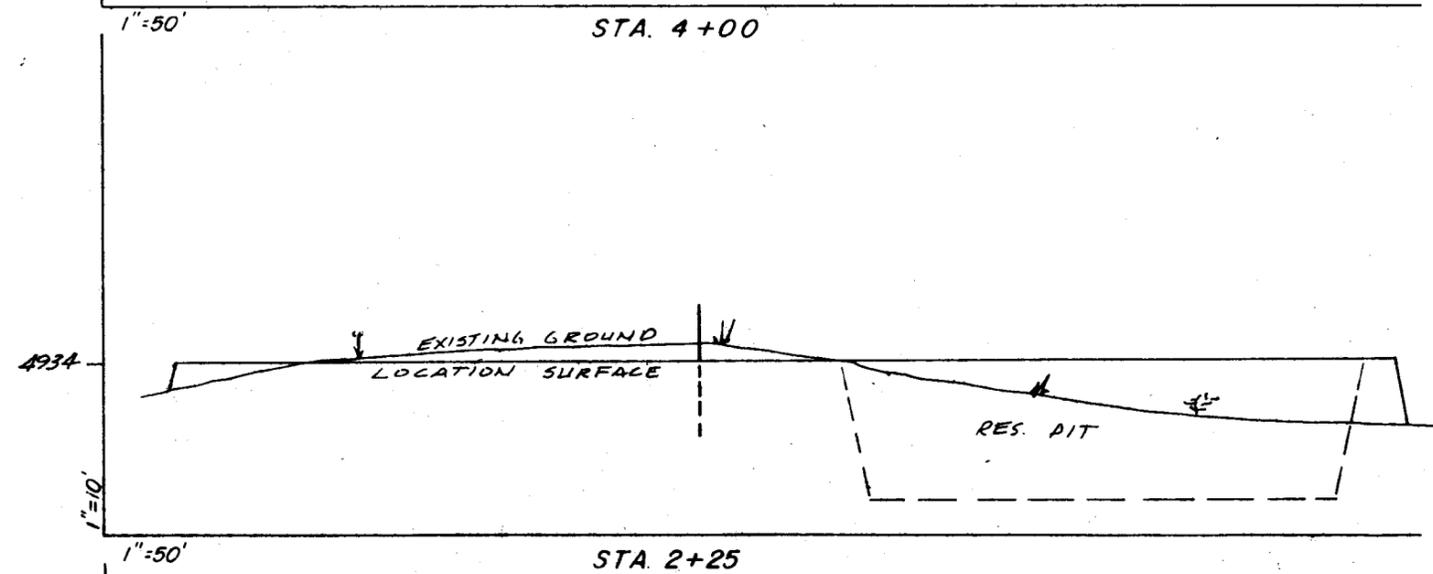
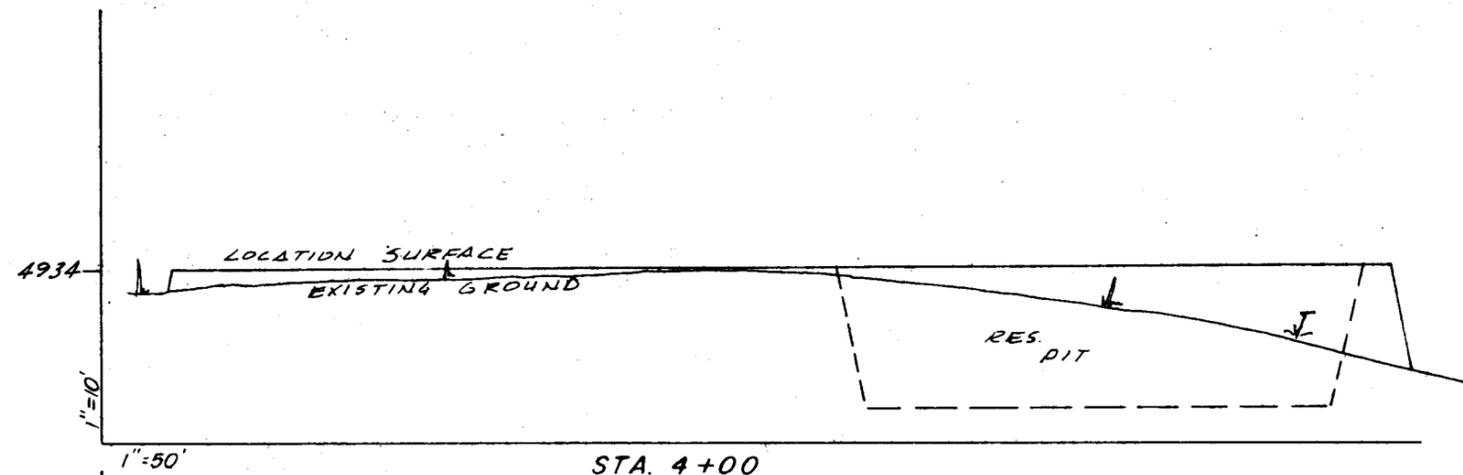
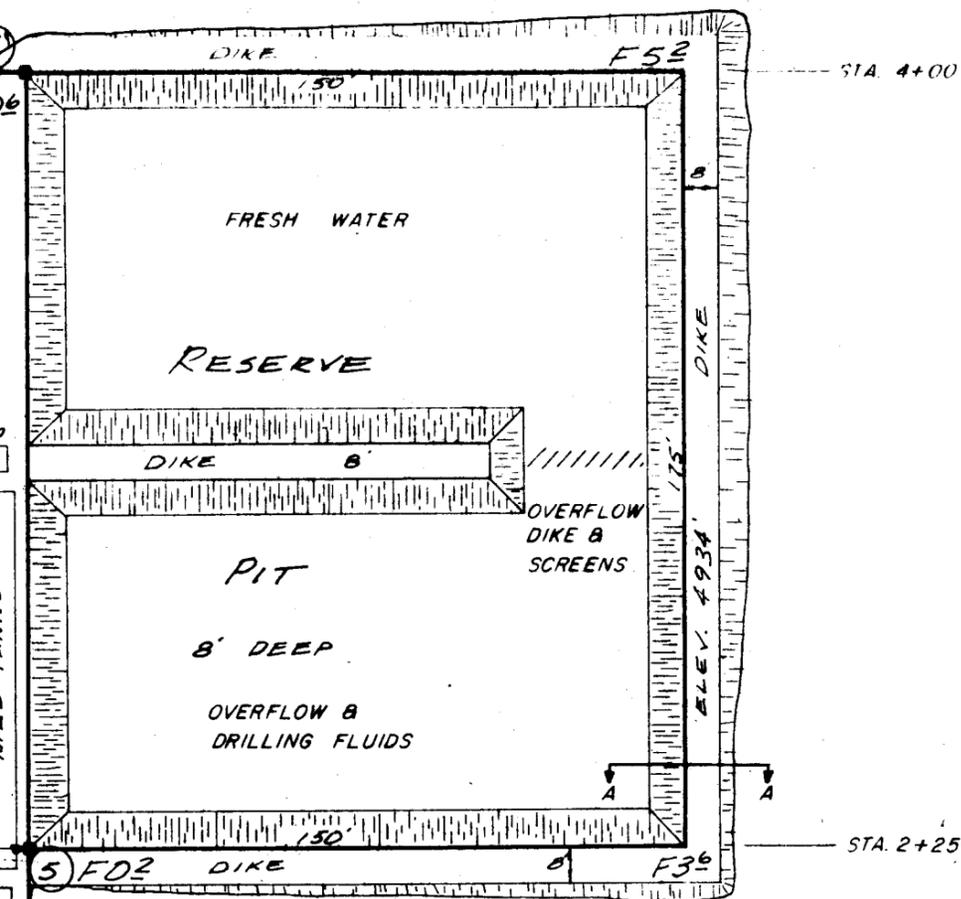
KEYWAY A-A

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

MAPCO, INC.

FEDERAL 11-26A

LOCATED IN THE NE 1/4 OF THE SW 1/4 OF SECTION 26, T9S, R18E, S.L.B.M.



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

MONTHLY REPORT
OF
OPERATIONS

Lease No. 9266
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 80.

(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
11-26A	26 NESW	<u>9</u> S	18E	DRL					
	Drl d to 295' Set csg 13 3/8" 48# set @ 125.98' cmt with 210 sacks Drl d to 405' Set 8 5/8" 24# csg @ 384.21' w 305 sacks Drl d to T.D. 5360' Ran 6 DST with no hydrocarbon recoveries PLUG DESCRIPTION: Set plugs as follows - 5000'-4800' 96 sacks Class H 3900'-3700' 87 sacks Class H 1550'-1110' 96 sacks Class H 500'-300' 92 sacks Class H, 2% CaCl ₂ 67' - Surface 5 sacks Class G Set EZ Drill bridge plug at 277' with 100' cement on top. Rig Released @ 7:30 P.M. 5-24-80								

*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 Bauerman Address: 1643 Lewis Ave. Billings, Mt. 59102
Title: Engineering Technician

Contractor Atco Drilling Co. Top Choke 1/4"
 Rig No. 5 Bottom Choke 1"
 Spot NE-SW Size Hole 7 7/8"
 Sec. 26 Size Rat Hole --
 Twp. 9 S Size & Wt. D. P. 4" 14.40
 Rng. 18 E Size Wt. Pipe --
 Field Wildcat I. D. of D. C. 2 3/8"
 County Uintah Length of D. C. 300'
 State Utah Total Depth 5360'
 Elevation 4946' "K.B." Interval Tested 4030-4080'
 Formation Green River Type of Test Inflate
Straddle

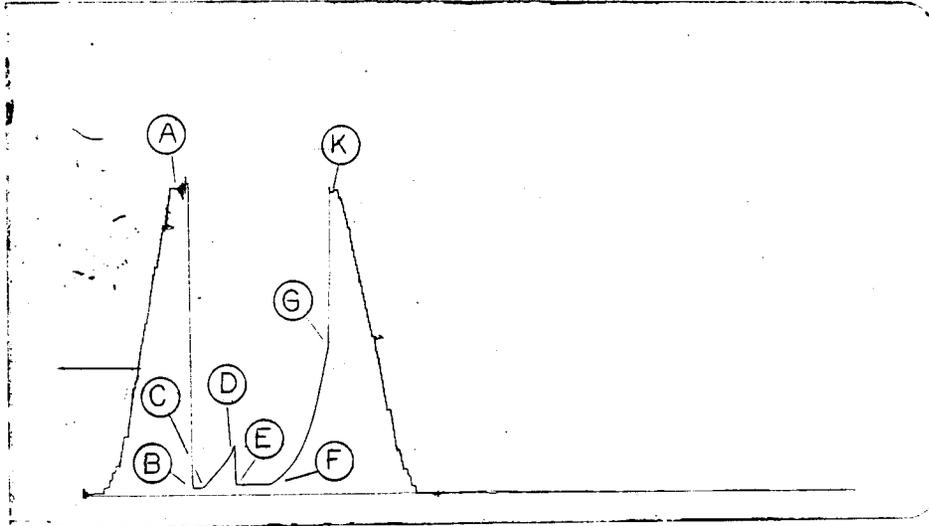
Flow No. 1 15 Min.
 Shut-in No. 1 60 Min.
 Flow No. 2 60 Min.
 Shut-in No. 2 120 Min.
 Flow No. 3 -- Min.
 Shut-in No. 3 -- Min.
 Bottom Hole Temp. --
 Mud Weight 8.9
 Gravity --
 Viscosity --

Tool opened @ 12:11 AM

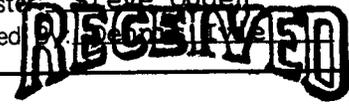
Outside Recorder

PRD Make Kuster K-3
 No. 13005 Cap. 2900 @ 4035'
 Press Corrected

	Press	Corrected
Initial Hydrostatic	A	1882
Final Hydrostatic	K	1867
Initial Flow	B	40
Final Initial Flow	C	45
Initial Shut-in	D	272
Second Initial Flow	E	61
Second Final Flow	F	65
Second Shut-in	G	911
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--



Lynes Dist.: Rock Springs, Wyo.
 Our Tester: Steve Oaden
 Witnessed: [Signature]



JUN 2 1980

Did Well Flow - Gas no Oil no Water no
 RECOVERY IN PIPE: 93' Water cut mud = .51 bbl.

Top Sample R.W.: .34 @ 65°F = 20,000 ppm. Cl.
 Bottom Sample R.W.: .34 @ 65°F = 20,000 ppm. Cl.
 DIVISION OF OIL, GAS & MINING

Blow Description:

- 1st Flow: Tool opened with a 1/2" underwater blow; increased to 3" at end of flow period and remained.
- 2nd Flow: Tool opened with a strong blow; increased to bottom of bucket in 1 minute and continued to increase to 7 oz. in 50 minutes and remained.

Operator Mapco Production Co.
 Well Name and No. Federal #11-26A
 Address See Distribution
 Ticket No. 20829
 Date 5-23-80
 No. Final Copies 6

WELL NAME: FEDERAL 11-26 A

DST NUMBER: 005

RECORDER NUMBER: 013005

INTERVAL TESTED: 4030FT TO 4080FT

RECORDER DEPTH: 4035.000FT

TOTAL FLOW TIME: 15.0MIN

FIRST SHUT IN PRESSURE (LIQUID)

TIME (MIN)	(T+PHI)	PRESSURE
PHI	/PHI	(PSI)
.0	.0000	45.0
1.0	16.0000	46.0
2.0	8.5000	49.0
3.0	6.0000	53.0
4.0	4.7500	56.0
5.0	4.0000	60.0
6.0	3.5000	64.0
7.0	3.1429	68.0
8.0	2.8750	71.0
9.0	2.6667	76.0
10.0	2.5000	79.0
12.0	2.2500	85.0
14.0	2.0714	91.0
16.0	1.9375	98.0
18.0	1.8333	105.0
20.0	1.7500	113.0
22.0	1.6818	119.0
24.0	1.6250	125.0
26.0	1.5769	133.0
28.0	1.5357	140.0
30.0	1.5000	146.0
35.0	1.4286	165.0
40.0	1.3750	184.0
45.0	1.3333	205.0
50.0	1.3000	225.0
55.0	1.2727	249.0
60.0	1.2500	272.0

Both shut-in pressure build-up curves have insufficient character to permit the use of a Horner plot to determine reliable extrapolated shut-in pressures.

WELL NAME: FEDERAL 11-26 A

DST NUMBER: 005

RECORDER NUMBER: 013005

INTERVAL TESTED: 4030FT TO 4080FT

RECORDER DEPTH: 4035.000FT

TOTAL FLOW TIME: 75.0MIN

SECOND SHUT IN PRESSURE (LIQUID)

TIME (MIN)	(T+PHI)	PRESSURE
PHI	/PHI	(PSI)
.0	.0000	65.0
1.0	76.0000	65.0
2.0	38.5000	66.0
3.0	26.0000	67.0
4.0	19.7500	69.0
5.0	16.0000	70.0
6.0	13.5000	71.0
7.0	11.7143	73.0
8.0	10.3750	76.0
9.0	9.3333	79.0
10.0	8.5000	81.0
12.0	7.2500	85.0
14.0	6.3571	89.0
16.0	5.6875	94.0
18.0	5.1667	100.0
20.0	4.7500	105.0
22.0	4.4091	110.0
24.0	4.1250	115.0
26.0	3.8846	120.0
28.0	3.6786	126.0
30.0	3.5000	133.0
40.0	2.8750	166.0
50.0	2.5000	208.0
60.0	2.2500	260.0
70.0	2.0714	327.0
80.0	1.9375	404.0
90.0	1.8333	504.0
100.0	1.7500	629.0
110.0	1.6818	771.0
120.0	1.6250	911.0

HORNER PLOT

TEST DATE: 05 23 80

WELL NAME: FEDERAL 11-26 A

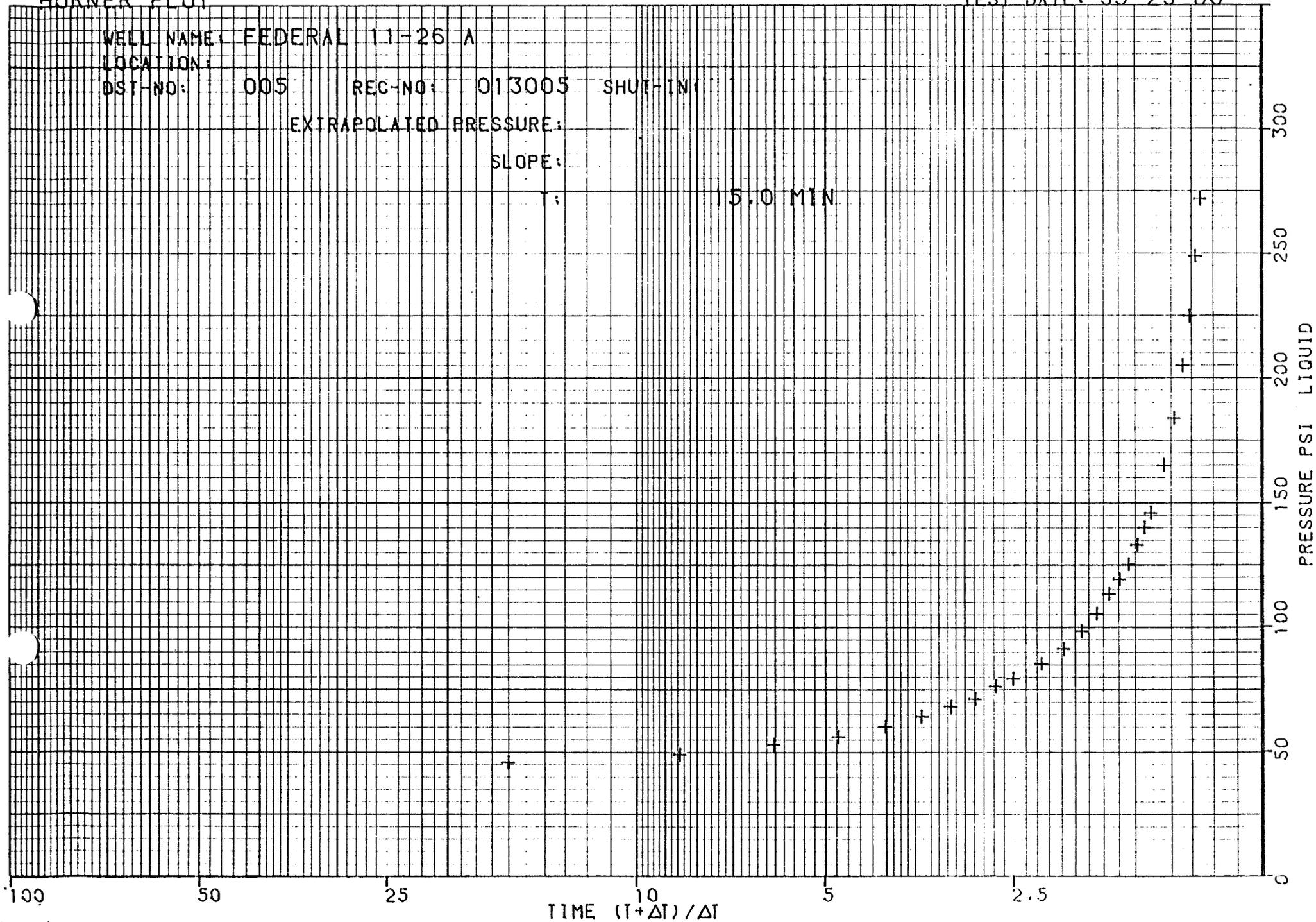
LOCATION:

DST-NO: 005 REC-NO: 013005 SHUT-IN:

EXTRAPOLATED PRESSURE:

SLOPE:

15.0 MIN



HORNER PLOT

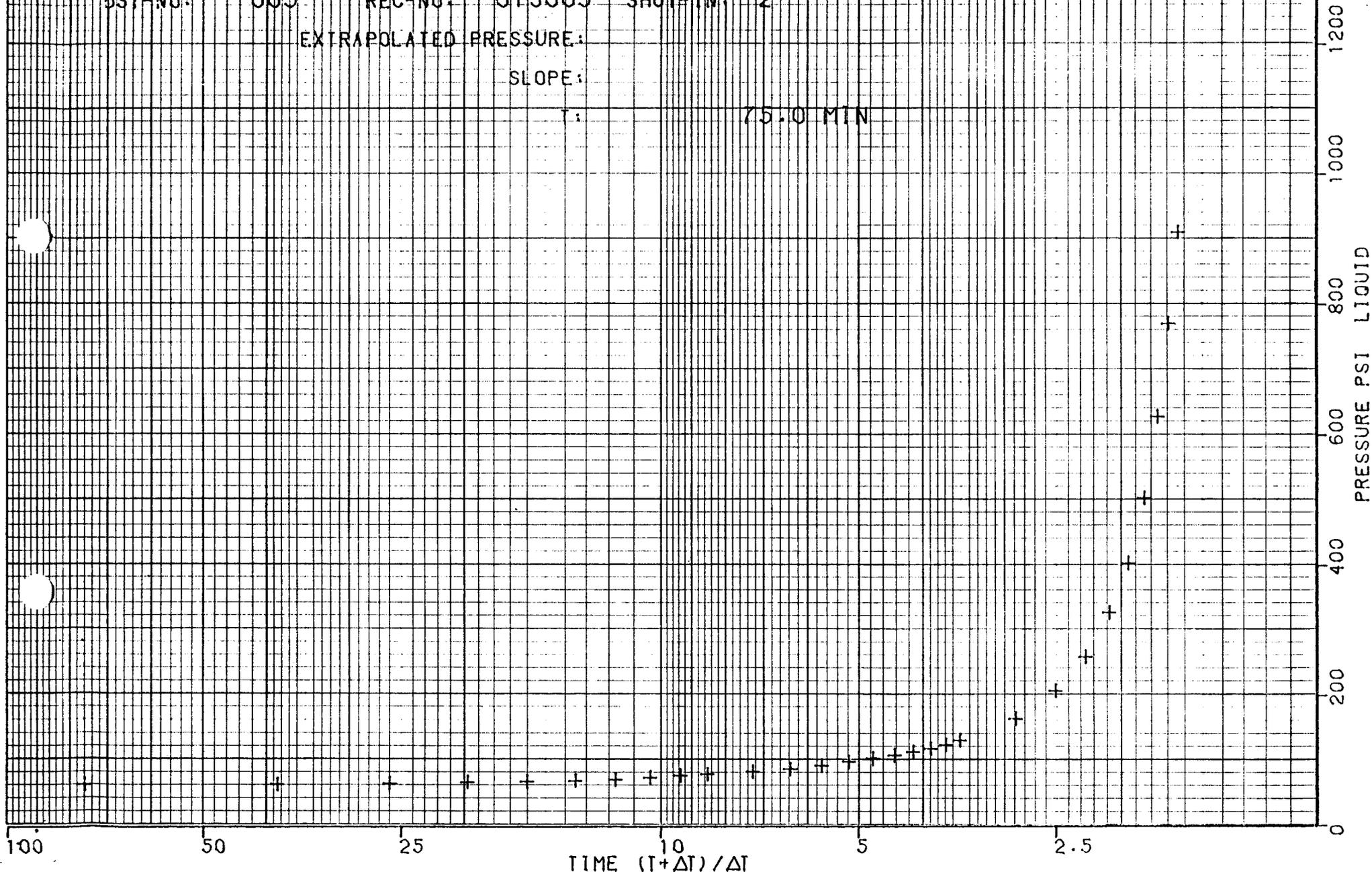
TEST DATE: 05 23 80

WELL NAME: FEDERAL 11-26 A
LOCATION:
DST-NO: 005 REC-NO: 013005 SHUT-IN: 2

EXTRAPOLATED PRESSURE:

SLOPE:

T: 75.0 MIN



LYNES, INC.

Sampler Report

Company Mapco Production Co. Date 5-23-80
Well Name & No. Federal #11-26A Ticket No. 20829
County Uintah State Utah
Test Interval 4030-4080' DST No. 5

Total Volume of Sampler: 2000 cc.
Total Volume of Sample: 2000 cc.
Pressure in Sampler: 22 psig
Oil: None cc.
Water: None cc.
Mud: 2000 Water cut cc.
Gas: None cu. ft.
Other: None

Sample R.W.: .34 @ 65°F = 20,000 ppm. Cl.

Resistivity

Make Up Water 10.0+ @ _____ of Chloride Content _____ ppm.
Mud Pit Sample R.W. .34 @ 65°F of Chloride Content 20,000 ppm.
Gas/Oil Ratio _____ Gravity _____ °API @ _____ °F

Where was sample drained On location

Remarks: _____

LYNES, INC.

Distribution of Final Reports

Mapco Production Co.
Operator

Federal #11-26A
Well Name and No.

Original &

1 copy: Mapco Production Co., Suite 202, Alpine Executive Center, 1643 Lewis Ave.,
Billings, Montana 59102

1 copy: Mapco Production Co., Box 1360, Roosevelt, Utah 84066

1 copy: Gilman A. Hill, 6200 Plateau Drive, Englewood, Co. 80110

1 copy: Axem Resources, Inc., Suite 1130, 410-17th St., Denver, Co. 80202

1 copy: State of Utah, Department of Natural Resources, Division of Oil & Gas
Minerals, 1588 W. North Temple, Salt Lake City, Utah 84116

Contractor Atco Drilling Inc.
 Rig No. 5
 Spot NE-SW
 Sec. 26
 Twp. 9 S
 Rng. 18 E
 Field Wildcat
 County Uintah
 State Utah
 Elevation 4946' "K.B."
 Formation Green River

Top Choke 1/4"
 Bottom Choke 9/16"
 Size Hole 7 7/8"
 Size Rat Hole --
 Size & Wt. D. P. 4" 14.40
 Size Wt. Pipe --
 I. D. of D. C. 2 3/8"
 Length of D. C. 240'
 Total Depth 5360'
 Interval Tested 5030-5065'
 Type of Test Inflate
Straddle

Flow No. 1 15 Min.
 Shut-in No. 1 60 Min.
 Flow No. 2 50 Min.
 Shut-in No. 2 120 Min.
 Flow No. 3 -- Min.
 Shut-in No. 3 -- Min.

Bottom Hole Temp. 140° F
 Mud Weight 9.0
 Gravity --
 Viscosity --

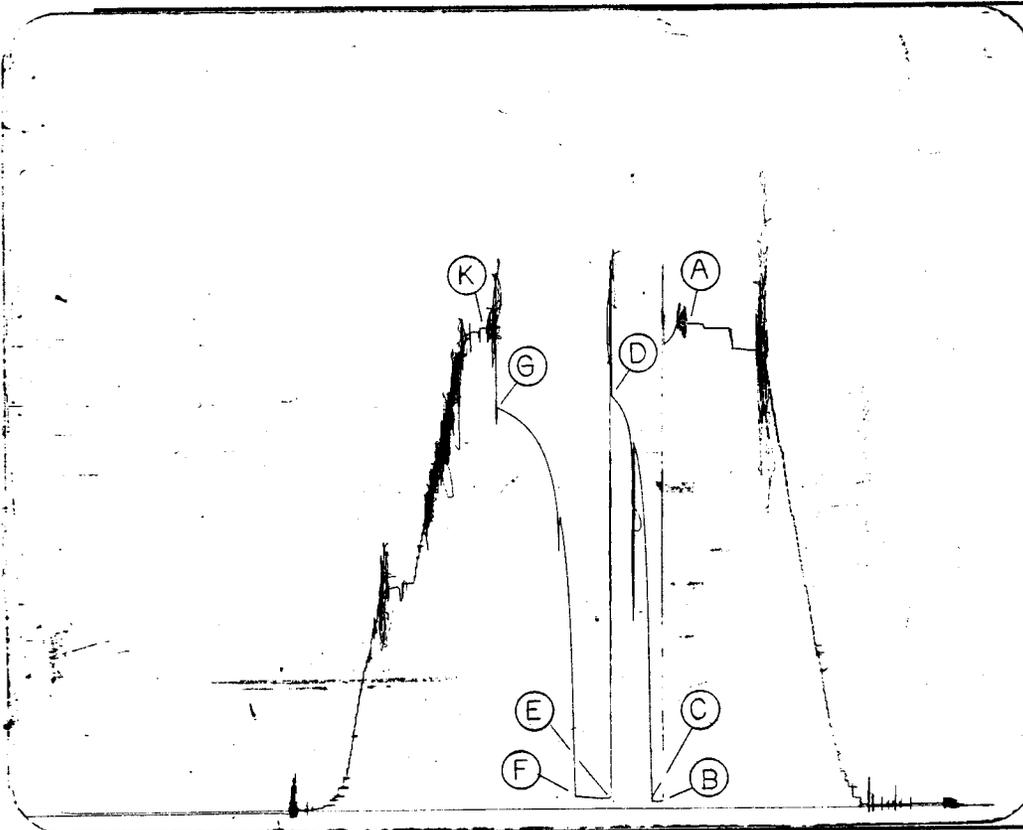
Tool opened @ 2:44 PM

Inside Recorder

PRD Make Kuster AK-1
 No. 3697 Cap. 3700 @ 5010'

	Press	Corrected
Initial Hydrostatic	A	2291
Final Hydrostatic	K	2277
Initial Flow	B	25
Final Initial Flow	C	26
Initial Shut-in	D	1946
Second Initial Flow	E	43
Second Final Flow	F	53
Second Shut-in	G	1900
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--

Lynes Dist.: Rock Springs, Wyo.
 Our Tester: Steve Ogden
 Witnessed By: Dennis Ivie



Did Well Flow - Gas no Oil no Water no (Test was reverse circulate)
 RECOVERY IN PIPE: None

Bottom Sample R.W.: 10.0+

Blow description:

1st Flow: Tool opened with a 1" underwater blow; decreased to 3/4" after 7 minutes and remained thru flow period.

2nd Flow: Tool opened with a weak blow and remained thru flow period.

RECEIVED

JUN 2 1980

DIVISION OF
OIL, GAS & MINING

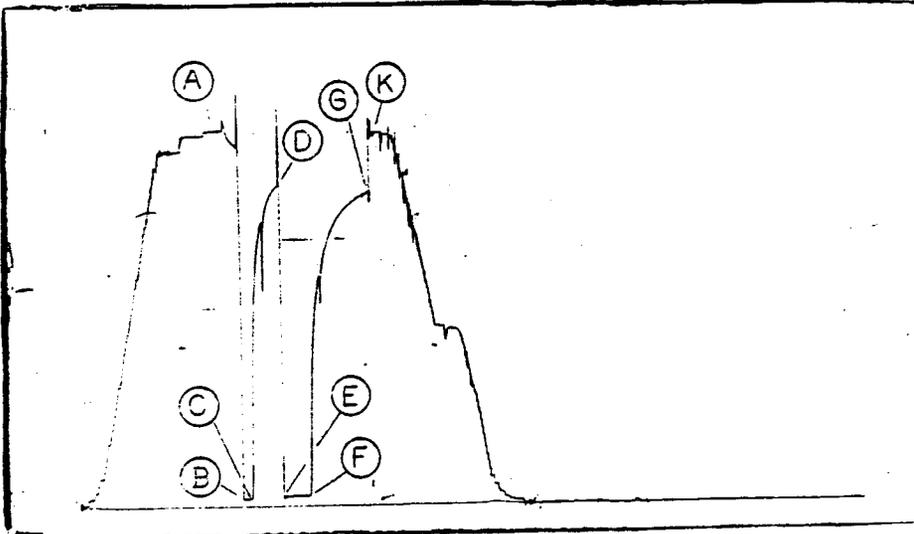
Operator Mapco Production Co.
 Well Name and No. Federal #11-26A
 Ticket No. 20828
 Date 5-21-80
 No. Final Copies 6
 DST No. 4A

LYNES, INC.

Mapco Production Co.
Operator

Federal #11-26A
Well Name and No.

4A
DST No.

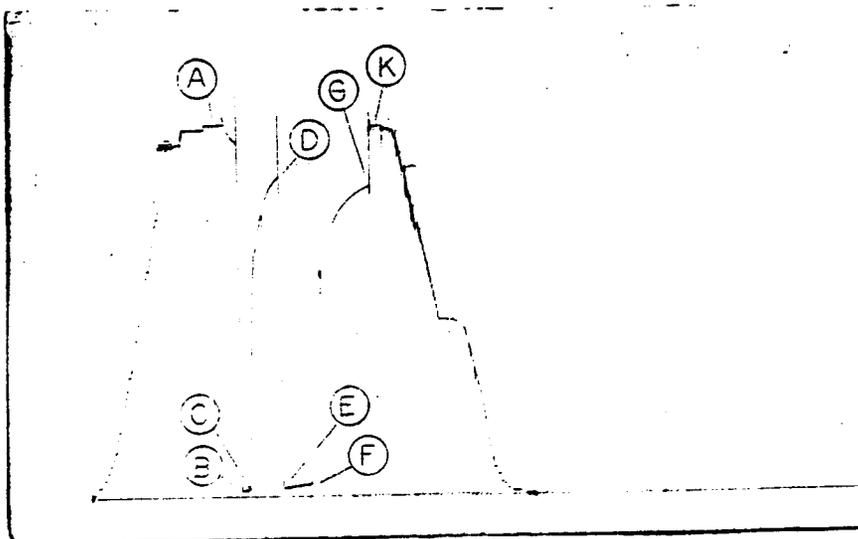


Outside Recorder
Kuster K-3

PRD Make
No. 13005 Cap. 2900 @ 5040'

Press		Corrected
Initial Hydrostatic	A	2306
Final Hydrostatic	K	2287
Initial Flow	B	35
Final Initial Flow	C	37
Initial Shut-in	D	1955
Second Initial Flow	E	51
Second Final Flow	F	64
Second Shut-in	G	1913
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--

Pressure Below Bottom
Packer Bled To



Outside Recorder
Kuster K-3

PRD Make
No. 13735 Cap. 2900 @ 5040'

Press		Corrected
Initial Hydrostatic	A	2309
Final Hydrostatic	K	2291
Initial Flow	B	40
Final Initial Flow	C	41
Initial Shut-in	D	1959
Second Initial Flow	E	56
Second Final Flow	F	67
Second Shut-in	G	1916
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--

Pressure Below Bottom
Packer Bled To

WE NAME: FEDERAL 11-26 A

DST NUMBER: 004A

RECORDER NUMBER: 003697

INTERVAL TESTED: 5030FT TO 5065FT

RECORDER DEPTH: 5010.000FT

TOTAL FLOW TIME: 15.0MIN

FIRST SHUT IN PRESSURE (LIQUID)

TIME (MIN)	(T+PHI)	PRESSURE
PHI	/PHI	(PSI)
.0	.0000	26.0
1.0	16.0000	79.0
2.0	8.5000	283.0
3.0	6.0000	524.0
4.0	4.7500	786.0
5.0	4.0000	951.0
6.0	3.5000	1086.0
7.0	3.1429	1174.0
8.0	2.8750	1244.0
9.0	2.6667	1309.0
10.0	2.5000	1367.0
12.0	2.2500	1457.0
14.0	2.0714	1520.0
16.0	1.9375	1577.0
18.0	1.8333	1618.0
20.0	1.7500	1658.0
22.0	1.6818	1687.0
24.0	1.6250	1709.0
26.0	1.5769	1588.0
28.0	1.5357	1598.0
30.0	1.5000	1723.0
35.0	1.4286	1813.0
40.0	1.3750	1858.0
45.0	1.3333	1889.0
50.0	1.3000	1910.0
55.0	1.2727	1930.0
60.0	1.2500	1946.0

Both shut-in pressure build-up curves have insufficient character to permit the use of a Horner plot to determine reliable extrapolated shut-in pressures.

WI NAME: FEDERAL 11-26 A

DST NUMBER: 004A

RECORDER NUMBER: 003697

INTERVAL TESTED: 5030FT TO 5065FT

RECORDER DEPTH: 5010.000FT

TOTAL FLOW TIME: 65.0MIN

SECOND SHUT IN PRESSURE (LIQUID)

TIME (MIN)	(T+PHI)	PRESSURE
PHI	/PHI	(PSI)
.0	.0000	53.0
1.0	66.0000	89.0
2.0	33.5000	216.0
3.0	22.6667	411.0
4.0	17.2500	598.0
5.0	14.0000	732.0
6.0	11.8333	849.0
7.0	10.2857	922.0
8.0	9.1250	985.0
9.0	8.2222	1034.0
10.0	7.5000	1082.0
12.0	6.4167	1160.0
14.0	5.6429	1219.0
16.0	5.0625	1270.0
18.0	4.6111	1315.0
20.0	4.2500	1357.0
22.0	3.9545	1350.0
24.0	3.7083	1299.0
26.0	3.5000	1417.0
28.0	3.3214	1469.0
30.0	3.1667	1505.0
40.0	2.6250	1625.0
50.0	2.3000	1700.0
60.0	2.0833	1754.0
70.0	1.9286	1793.0
80.0	1.8125	1824.0
90.0	1.7222	1848.0
100.0	1.6500	1869.0
110.0	1.5909	1884.0
120.0	1.5417	1900.0

HORNER PLOT

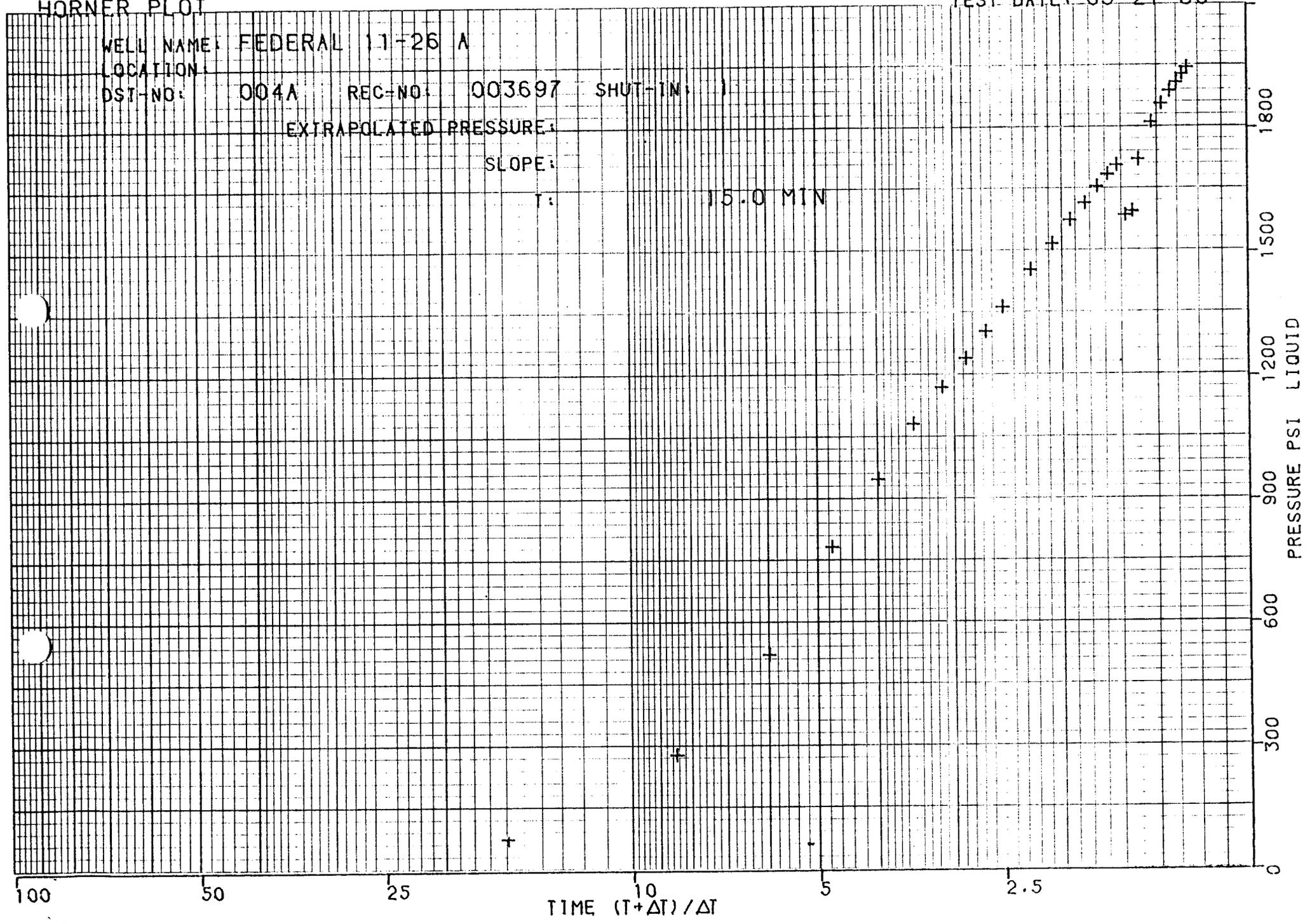
TEST DATE: 05 21 80

WELL NAME: FEDERAL 11-26 A
LOCATION:
DST-NO: 004A REC-NO: 003697 SHUT-IN:)

EXTRAPOLATED PRESSURE:

SLOPE:

t: 15.0 MIN



HORNER PLOT

TEST DATE: 05 21 80

WELL NAME: FEDERAL 11-26 A

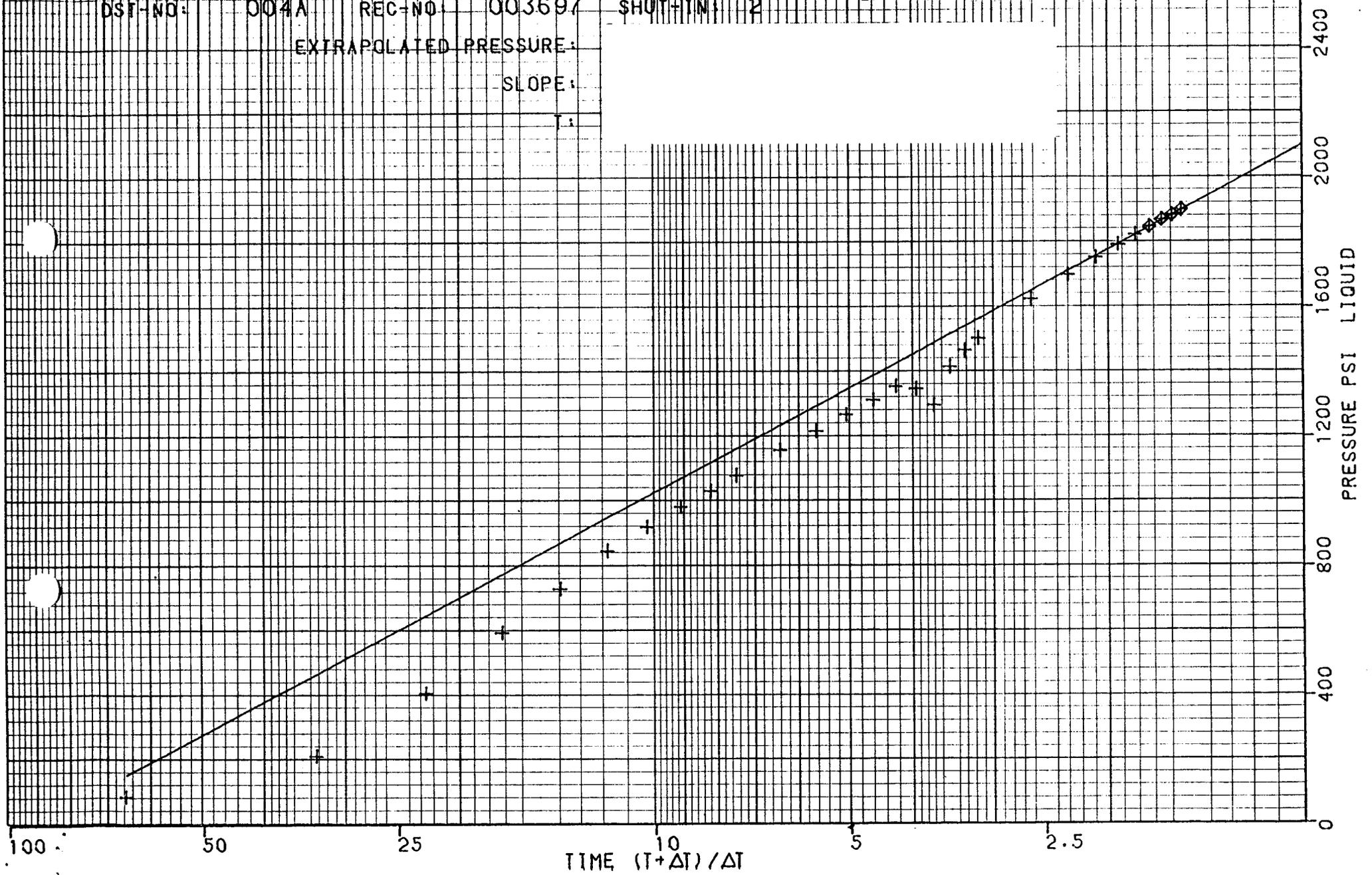
LOCATION:

DST-NO: 004A REC-NO: 003697 SHUT-IN: 2

EXTRAPOLATED PRESSURE:

SLOPE:

T_i:



LYNES, INC.

Sampler Report

Company Mapco Production Co. Date 5-21-80
Well Name & No. Federal #11-26A Ticket No. 20828
County Uintah State Utah
Test Interval 5030-5065' DST No. 4A

Total Volume of Sampler: 2000 cc.
Total Volume of Sample: 2000 cc.
Pressure in Sampler: 17 psig
Oil: None cc.
Water: 2000 Mud cut cc.
Mud: -- cc.
Gas: None cu. ft.
Other: None

Sample R.W.: 10.0+

Resistivity

Make Up Water R.W. 10.0+ @ _____ of Chloride Content _____ ppm.

Mud Pit Sample R.W. 10.0+ @ _____ of Chloride Content _____ ppm.

Gas/Oil Ratio _____ Gravity _____ °API @ _____ °F

Where was sample drained On location

Remarks: _____

LYNES, INC.

Distribution of Final Reports

Mapco Production Co.

Federal #11-26A

Operator

Well Name and No.

Original &

1 copy: Mapco Production Co., Suite 202, Alpine Executive Center, 1643 Lewis Ave.,
Billings, Montana 59102

1 copy: Mapco Production Co., Box 1360, Roosevelt, Utah 84066

1 copy: Gilman A. Hill, 6200 Plateau Drive, Englewood, Co. 80110

1 copy: Axem Resources, Inc., Suite 1130, 410-17th St., Denver, Co. 80202

1 copy: State of Utah, Department of Natural Resources, Division of Oil & Gas
Minerals, 1588 W. North Temple, Salt Lake City, Utah 84116

Contractor Atco Drilling Co. Top Choke 1/4"
 Rig No. 5 Bottom Choke 1"
 Spot NE-NW Size Hole 7 7/8"
 Sec. 26 Size Rat Hole --
 Twp. 9 S Size & Wt. D. P. 4" 14.40
 Rng. 18 E Size Wt. Pipe --
 Field Wildcat I. D. of D. C. 2 3/8"
 County Uintah Length of D. C. 240'
 State Utah Total Depth 5360'
 Elevation 4946' "K.B." Interval Tested 5137'-5172'
 Formation Green River Type of Test Inflate
Straddle

Flow No. 1 15 Min.
 Shut-in No. 1 60 Min.
 Flow No. 2 30 Min.
 Shut-in No. 2 120 Min.
 Flow No. 3 -- Min.
 Shut-in No. 3 -- Min.

Bottom
 Hole Temp. --
 Mud Weight 8.9
 Gravity --
 Viscosity --

Tool opened @ 11:05 PM

Inside Recorder

PRD Make Kuster AK-1
 No. 3697 Cap. 3700 @ 5117'

	Press	Corrected
Initial Hydrostatic	A	2399
Final Hydrostatic	K	2377
Initial Flow	B	35
Final Initial Flow	C	32
Initial Shut-in	D	59
Second Initial Flow	E	43
Second Final Flow	F	40
Second Shut-in	G	59
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--

Lynes Dist.: Rock Springs, WYO
 Our Tester: Steve Odgen
 Witnessed By: Dennis Tyie

RECEIVED

JUN 2 1980

**DIVISION OF
OIL, GAS & MINING**

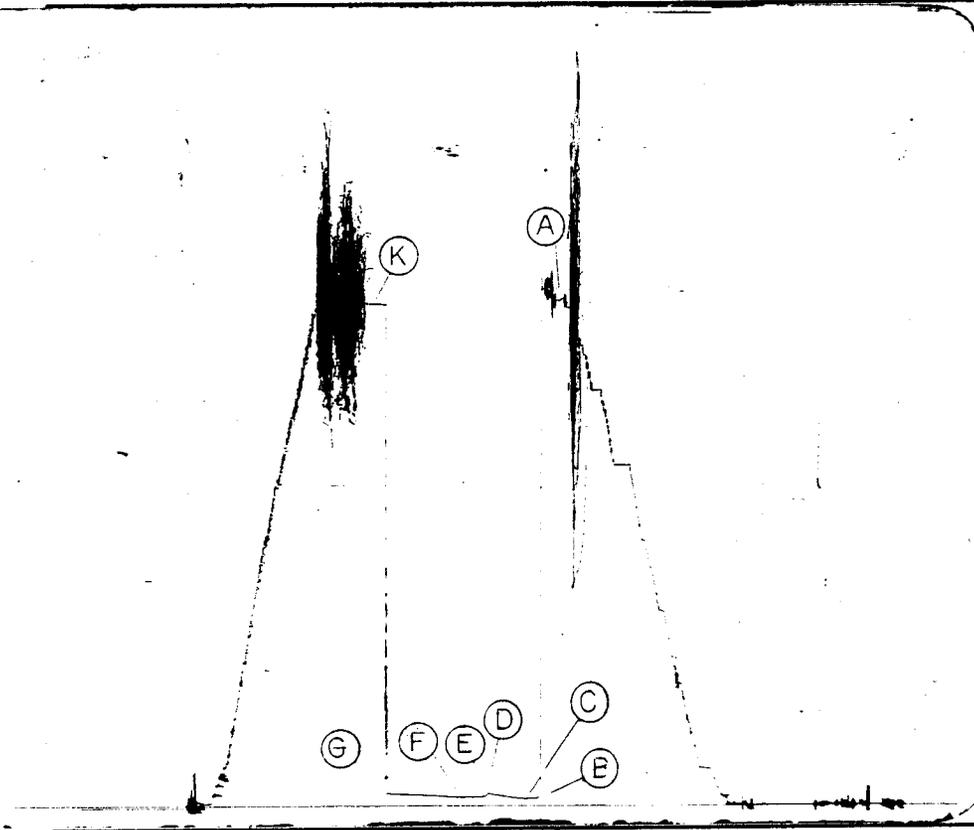
Did Well Flow - Gas no Oil no Water no
 RECOVERY IN PIPE: 20' Water cut mud = .11 bbl.

Bottom Sample R.W.: 10.0+

Blow Description:

- 1st Flow: Tool opened with a 1/2" underwater blow; slightly decreased at end of flow period.
- 2nd Flow: Tool opened with a weak blow; decreased and died in 10 minutes.

Breakdown of shut-in pressures is not practical for Horner explorations.



Operator Mapco Production Co.
 Address See Distribution
 Well Name and No. Federal 1 #11-26A
 Ticket No. 20827
 Date 5-21-80
 No. Final Copies 6

LYNES, INC.

Mapco Production Co.

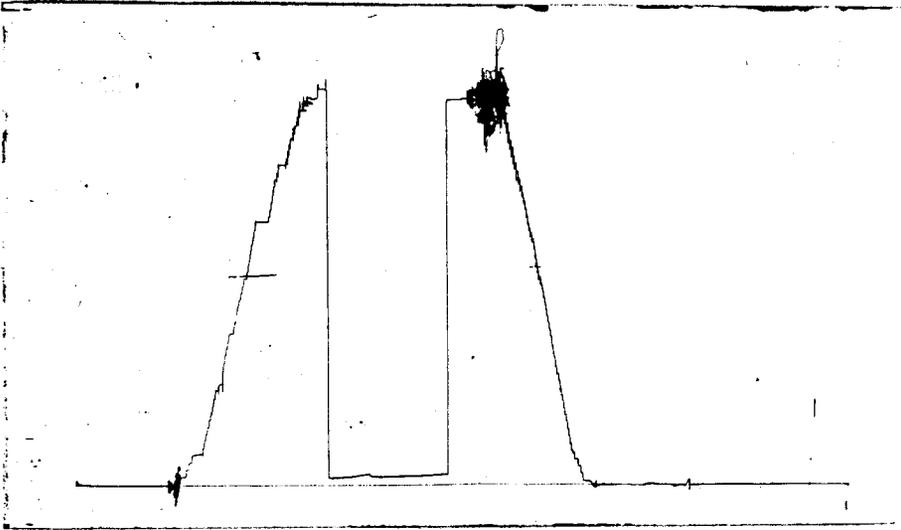
Federal #11-26A

3A

Operator

Well Name and No.

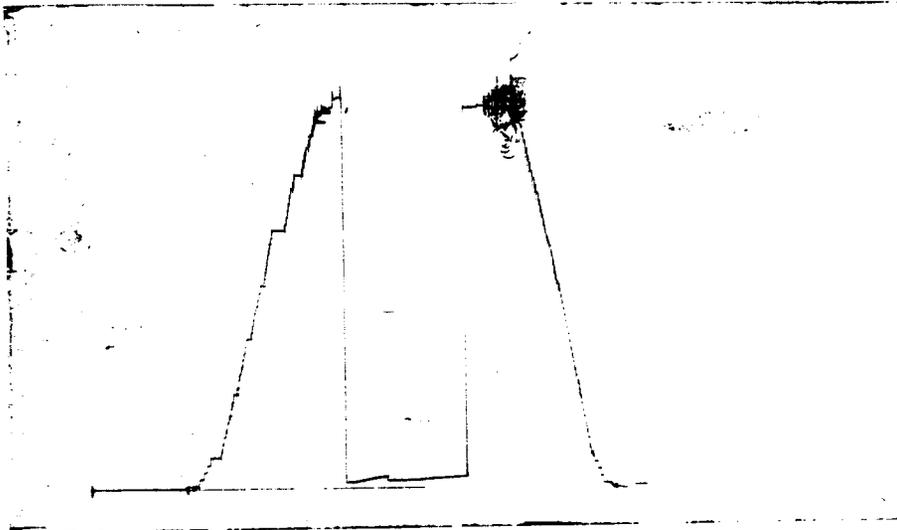
DST No.



Outside Recorder

PRD Make Kuster K-3
 No. 13005 Cap. 2900 @ 5140'

	Press	Corrected
Initial Hydrostatic	A	2412
Final Hydrostatic	K	2384
Initial Flow	B	43
Final Initial Flow	C	42
Initial Shut-in	D	70
Second Initial Flow	E	51
Second Final Flow	F	50
Second Shut-in	G	69
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--
Pressure Below Bottom Packer Bled To		



Outside Recorder

PRD Make Kuster K-3
 No. 13735 Cap. 2900 @

	Press	Corrected
Initial Hydrostatic	A	2309
Final Hydrostatic	K	2386
Initial Flow	B	45
Final Initial Flow	C	44
Initial Shut-in	D	74
Second Initial Flow	E	54
Second Final Flow	F	51
Second Shut-in	G	74
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 5-21-80
Well Name & No. Federal #11-26A Ticket No. 20827
County Uintah State Utah
Test Interval 5137-5172' DST No. 3A

Total Volume of Sampler: 2000 cc.

Total Volume of Sample: 2000 cc.

Pressure in Sampler: 0 psig

Oil: None cc.

Water: None cc.

Mud: 2000 water cut cc.

Gas: None cu. ft.

Other: None

Sample R.W.: 10.0+

Resistivity

Make Up Water R.W. 10.0+ @ _____ of Chloride Content _____ ppm.

Mud Pit Sample R.W. .04 @ 68°F of Chloride Content 16,000 ppm.

Gas/Oil Ratio _____ Gravity _____ °API @ _____ °F

Where was sample drained On location

Remarks: _____

LYNES, INC.

Distribution of Final Reports

Mapco Production Co.

Federal #11-26A

Operator

Well Name and No.

Original &

1 copy: Mapco Production Co., Suite 202, Alpine Executive Center, 1643 Lewis Ave.,
Billings, Montana 59102

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1 copy: State of Utah, Department of Natural Resources, Division of Oil & Gas
Minerals, 1588 W. North Temple, Salt Lake City, Utah 84116

Contractor Atco Drilling Inc.
Rig No. 5
Spot NE-SW
Sec. 26
Twp. 9 S
Rng. 18 E
Field Wildcat
County Uintah
State Utah
Elevation 4946' "K.B."
Formation --

Top Choke 1/4"
Bottom Choke 1"
Size Hole 7 7/8"
Size Rat Hole --
Size & Wt. D. P. 4" 14.40
Size Wt. Pipe --
I. D. of D. C. 2 1/4"
Length of D. C. 240'
Total Depth 5360'
Interval Tested 4982-5017'
Type of Test Inflate
Straddle

Flow No. 1 15 Min.
Shut-in No. 1 60 Min.
Flow No. 2 15 Min.
Shut-in No. 2 120 Min.
Flow No. 3 -- Min.
Shut-in No. 3 -- Min.

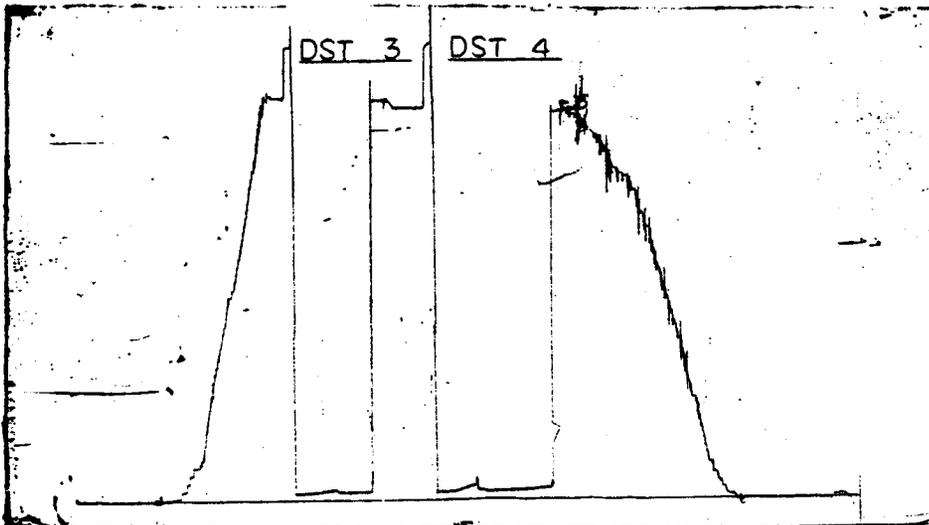
Bottom
Hole Temp. 150° F
Mud Weight 9.2
Gravity --
Viscosity --

Tool opened @ 1:05 PM

Outside Recorder

PRD Make Kuster K-3
No. 13005 Cap. 2900 @ 4990'

	Press	Corrected
Initial Hydrostatic	A	2393
Final Hydrostatic	K	2364
Initial Flow	B	48
Final Initial Flow	C	46
Initial Shut-in	D	90
Second Initial Flow	E	60
Second Final Flow	F	56
Second Shut-in	G	70
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--



Lynes Dist.: Rock Springs, Wyo.
Our Tester: Steve Ogden
Witnessed By: _____

RECEIVED

JUN 2 1980

DIVISION OF
OIL, GAS & MINING

Did Well Flow - Gas no Oil no Water no

RECOVERY IN PIPE: 30' Drilling mud with a trace of oil = .15 bbl.

Bottom Sample R.W.; 1.2 @ 75° F = 5000 ppm. Cl.

Blow Description:

1st Flow: Tool opened with a very weak blow and remained thru flow period.

2nd Flow: Tool opened with no blow and remained thru flow period.

Second of two tests on the same run in hole.

Breakdown of shut-in pressures not practical for Horner extrapolations.

Operator Mapco Production Co.
 Well Name and No. Federal #11-26A
 Address See Distribution
 Ticket No. 20826
 Date 5-19-80
 No. Final Copies 6

LYNES, INC.

Mapco Production Co.

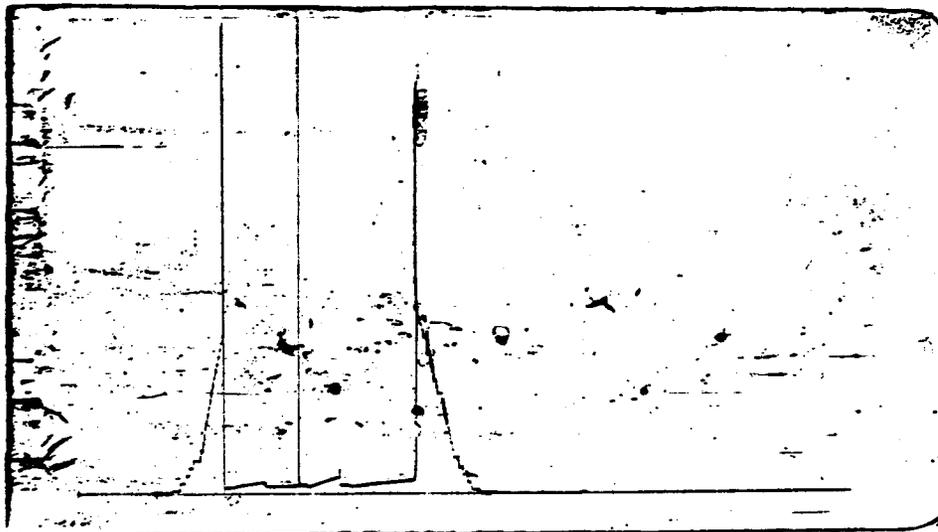
Operator

Federal #11-26A

Well Name and No.

4

DST No.



Outside Recorder

PRD Make **Kuster K-3**
 No. **13735** Cap. **2900** @ **4990'**

	Press	Corrected
Initial Hydrostatic	A	*
Final Hydrostatic	K	*
Initial Flow	B	54
Final Initial Flow	C	52
Initial Shut-in	D	97
Second Initial Flow	E	55
Second Final Flow	F	52
Second Shut-in	G	77
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--
*Unreadable		

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 5-19-80
Well Name & No. Federal #11-26A Ticket No. 20826
County Uintah State Utah
Test Interval 4982-5017' DST No. 4

Total Volume of Sampler: 2000 cc.
Total Volume of Sample: 2000 cc.
Pressure in Sampler: 0 psig
Oil: Trace cc.
Water: None cc.
Mud: 2000 cc.
Gas: None cu. ft.
Other: None

Sample R.W.: 1.1 @ 75°F 5000 ppm. Cl.

Resistivity

Make Up Water R.W. 10.0+ @ _____ of Chloride Content _____ ppm.

Mud Pit Sample R.W. 1.1 @ 75°F of Chloride Content 5000 ppm.

Gas/Oil Ratio _____ Gravity _____ °API @ _____ °F

Where was sample drained On location

Remarks: _____

LYNES, INC.

Distribution of Final Reports

Mapco Production Co.
Operator

Federal #11-26A
Well Name and No.

Original &

1 copy: Mapco Production Co., Suite 202, Alpine Executive Center, 1643 Lewis Ave.,
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Contractor Atco Drilling Inc.
 Rig No. 5
 Spot NE-SW
 Sec. 26
 Twp. 9 S
 Rng. 18 E
 Field Wildcat
 County Uintah
 State Utah
 Elevation 4946' "K.B."
 Formation --

Top Choke 1/4"
 Bottom Choke 1"
 Size Hole 7 7/8"
 Size Rat Hole --
 Size & Wt. D. P. 4" 14.40
 Size Wt. Pipe --
 I. D. of D. C. 2 1/4"
 Length of D. C. 240'
 Total Depth 5360'
 Interval Tested 5089-5124'
 Type of Test Inflate
Straddle

Flow No. 1 15 Min.
 Shut-in No. 1 60 Min.
 Flow No. 2 10 Min.
 Shut-in No. 2 50 Min.
 Flow No. 3 -- Min.
 Shut-in No. 3 -- Min.

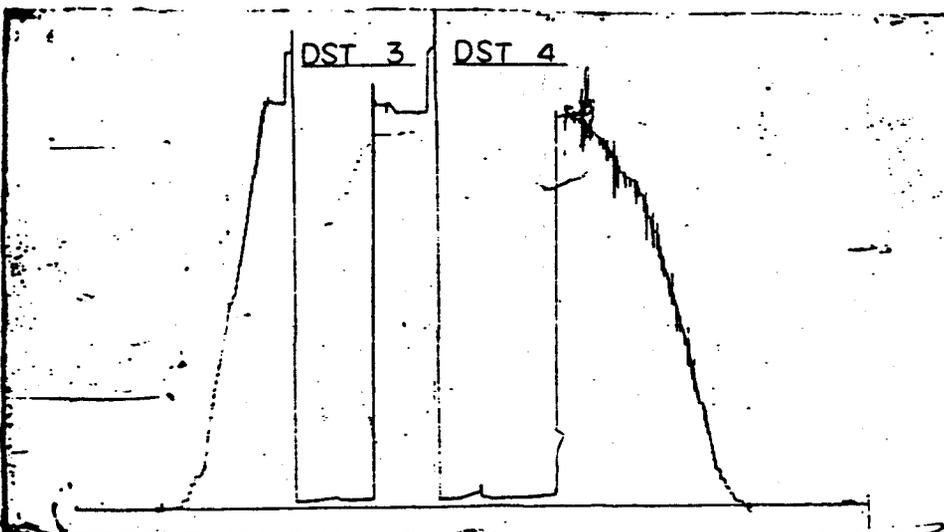
Bottom Hole Temp. 150°F
 Mud Weight 9.2
 Gravity --
 Viscosity --

Tool opened @ 8:45 AM

Outside Recorder

PRD Make Kuster K-3
 No. 13005 Cap. 2900 @ 5097'

	Press	Corrected
Initial Hydrostatic	A	2461
Final Hydrostatic	K	2441
Initial Flow	B	38
Final Initial Flow	C	39
Initial Shut-in	D	60
Second Initial Flow	E	44
Second Final Flow	F	45
Second Shut-in	G	48
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--



Lynes Dist.: Rock Springs, Wyo.
 Our Tester: Steve Ogden
 Witnessed By: RECEIVED

Did Well Flow - Gas no Oil no Water no

RECOVERY IN PIPE: 30' Drilling mud with a trace of oil = .15 bbl.

Bottom Sample R.W.: 1.1 @ 75°F = 5000 ppm. Cl.

JUN 2 1980

**DIVISION OF
OIL, GAS & MINING**

Blow Description:

1st Flow: Tool opened with a 1/4" underwater blow and remained thru flow period.

2nd Flow: Tool opened with a weak blow decreased and died at end of flow period.

First of two tests on the same run in hole.

Breakdown of shut-in pressures not practical for Horner extrapolations.

Operator Mapco Production Co.
 Address See Distribution
 Well Name and No. Federal #11-26A
 Ticket No. 20426
 Date 5-19-80
 No. Final Copies 5
 DST No. 5

LYNES, INC.

Mapco Production Co.
Operator

Federal #11-26A
Well Name and No.

3
DST No.



Outside Recorder
PRD Make Kuster K-3
No. 13735 Cap. 2900 @ 5097'

	Press	Corrected
Initial Hydrostatic	A	*
Final Hydrostatic	K	*
Initial Flow	B	34
Final Initial Flow	C	36
Initial Shut-in	D	64
Second Initial Flow	E	43
Second Final Flow	F	44
Second Shut-in	G	--
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--
*Unreadable		

Pressure Below Bottom
Packer Bled To

PRD Make _____
No. _____ Cap. _____ @ _____
Press Corrected

	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

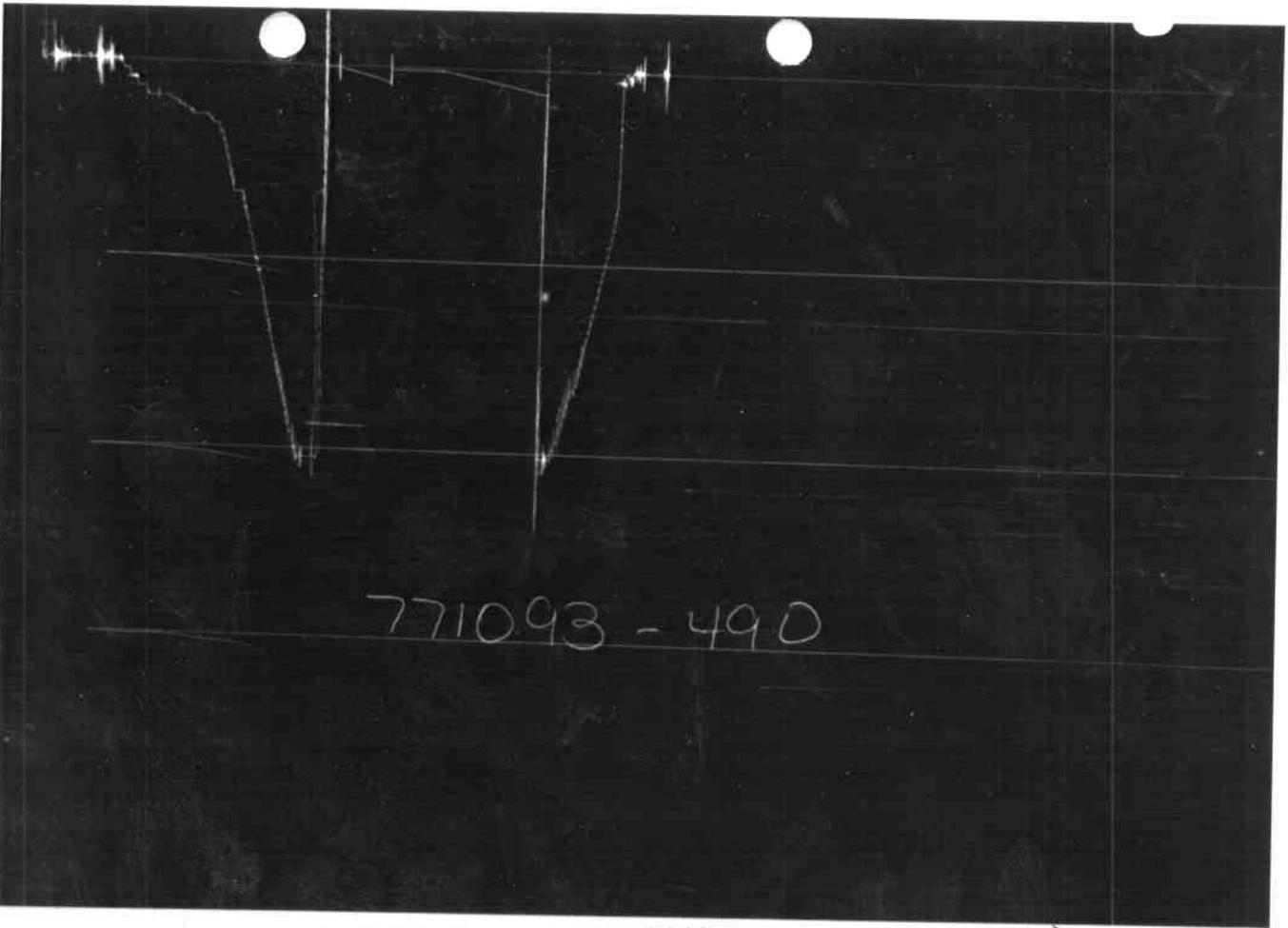
Casing perms. _____ Bottom choke _____ Surf. temp _____ °F Ticket No. 771093
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED _____

Date Time	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
5-11-80 a.m. p.m.					
2300					On location.
5-12-80 0130					Picked up tools.
0330					Went in hole with tools.
0730	1/8"				Opened tool with 1/4" blow.
0735	"				1" blow in water.
0740	"				1/2" blow in water.
0745					1/4" blow in water.
0745					Closed tool.
0845	1/8"				Reopened tool with a 1 1/2" blow.
0850	"				1 1/2" blow in water.
0855	"				3/4" blow in water.
0900	"				1/2" blow in water.
0905	"				1/2" blow in water.
0910	"				1/4" blow in water.
0915	"				"
0920	"				"
0925	"				1/8" blow in water.
0930	"				"
0935	"				"
0940	"				"
0945	"				"
0945					Closed tool.
1145					Pulled tool loose.
1415					Break down tools.
1520					Laid down tools.
1600					Through with job.

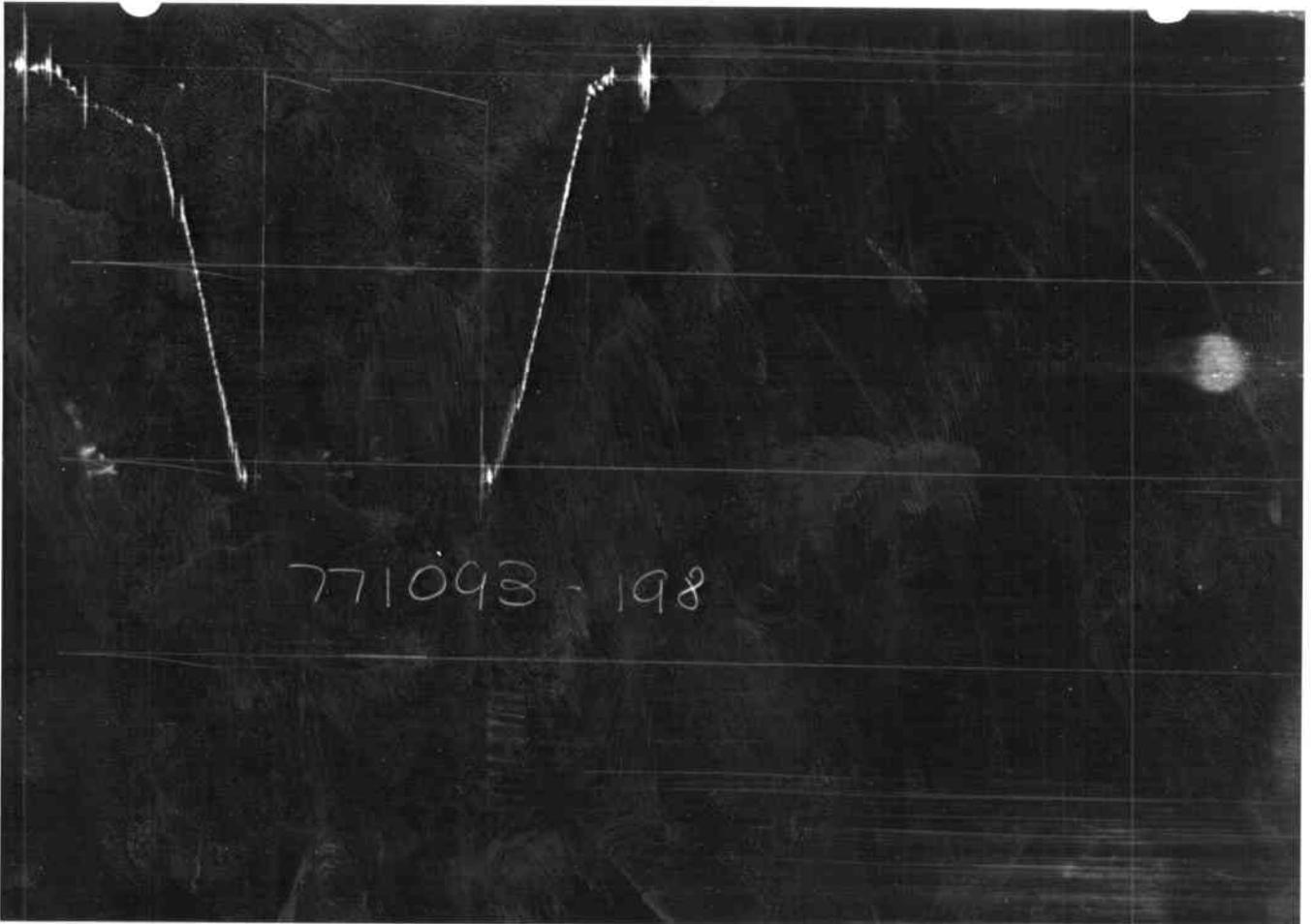
	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	4"	3.340"	4035'	
Drill Collars				
Reversing Sub	6 1/4"	2 1/4"	1'	4284'
Water Cushion Valve				
Drill Pipe				
Drill Collars	6 1/4"	2 1/4"	341'	
Handling Sub & Choke Assembly				
Dual CIP Valve X-Over	6"	2 3/4"	.71'	
Dual CIP Sampler	5"	.75"	6.75'	4383'
Hydro-Spring Tester	5"	.75"	5'	4388'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.06"	4'	4390'
Hydraulic Jar	5"	1.75"	5'	
VR Safety Joint	5"	1.00"	2.78'	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	1.53"	5.81'	4405'
Distributor	5"	1.68"	2'	
Packer Assembly	6 3/4"	1.53"	5.81'	4413'
Flush Joint Anchor				
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor	5 3/4"	2.87"	34'	
Blanked-Off B.T. Running Case	5 3/4"	2.50"	4.16'	4450'
Total Depth				4453'

↑
PRESSURE
↓



TIME →

↑
PRESSURE
↓



771093 - 198

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

Gauge No. 490			Depth 4391.09'				Clock No. 2290			24 hour		Ticket No. 771092			
First Flow Period			First Closed In Pressure			Second Flow Period		Second Closed In Pressure			Third Flow Period		Third Closed In Pressure		
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.
0	.0000	344.4	.0000		344.4	.0000	345.7	.0000		345.7					
1	.0520	344.4	.0168		465.4*	.1020	345.7	.0296		433.5					
2			.0369		598.6			.0592		535.9					
3			.0571		703.9			.0888		637.3					
4			.0772		813.3			.1184		739.9					
5			.0973		918.6			.1480		838.6					
6			.1175		991.9			.1776		934.6					
7			.1376		1059.8			.2072		1025.2					
8			.1577		1123.6			.2368		1109.0					
9			.1779		1187.5			.2664		1190.1					
10			.1980		1242.0			.2960		1264.6					
11															
12															
13															
14															
15															

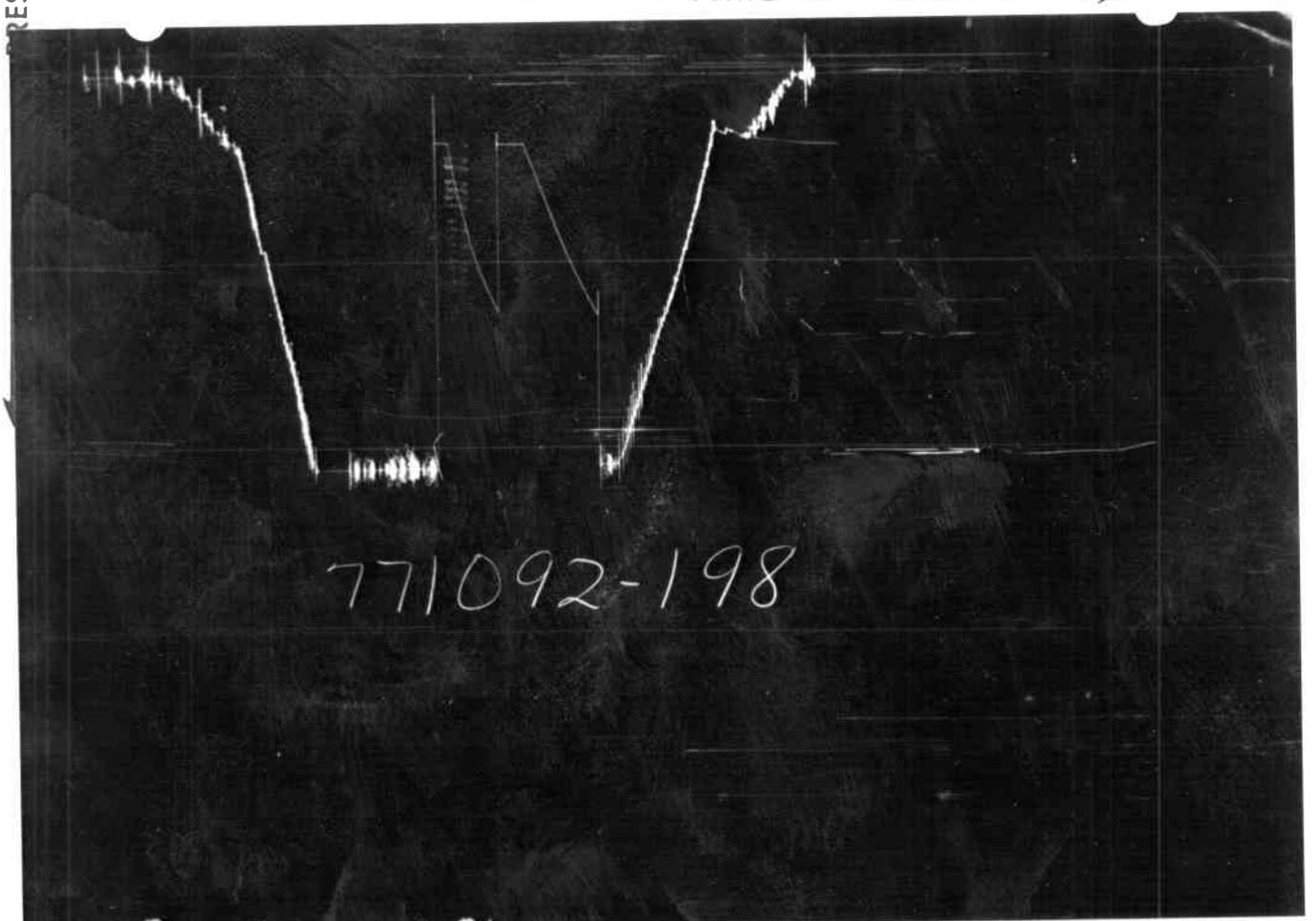
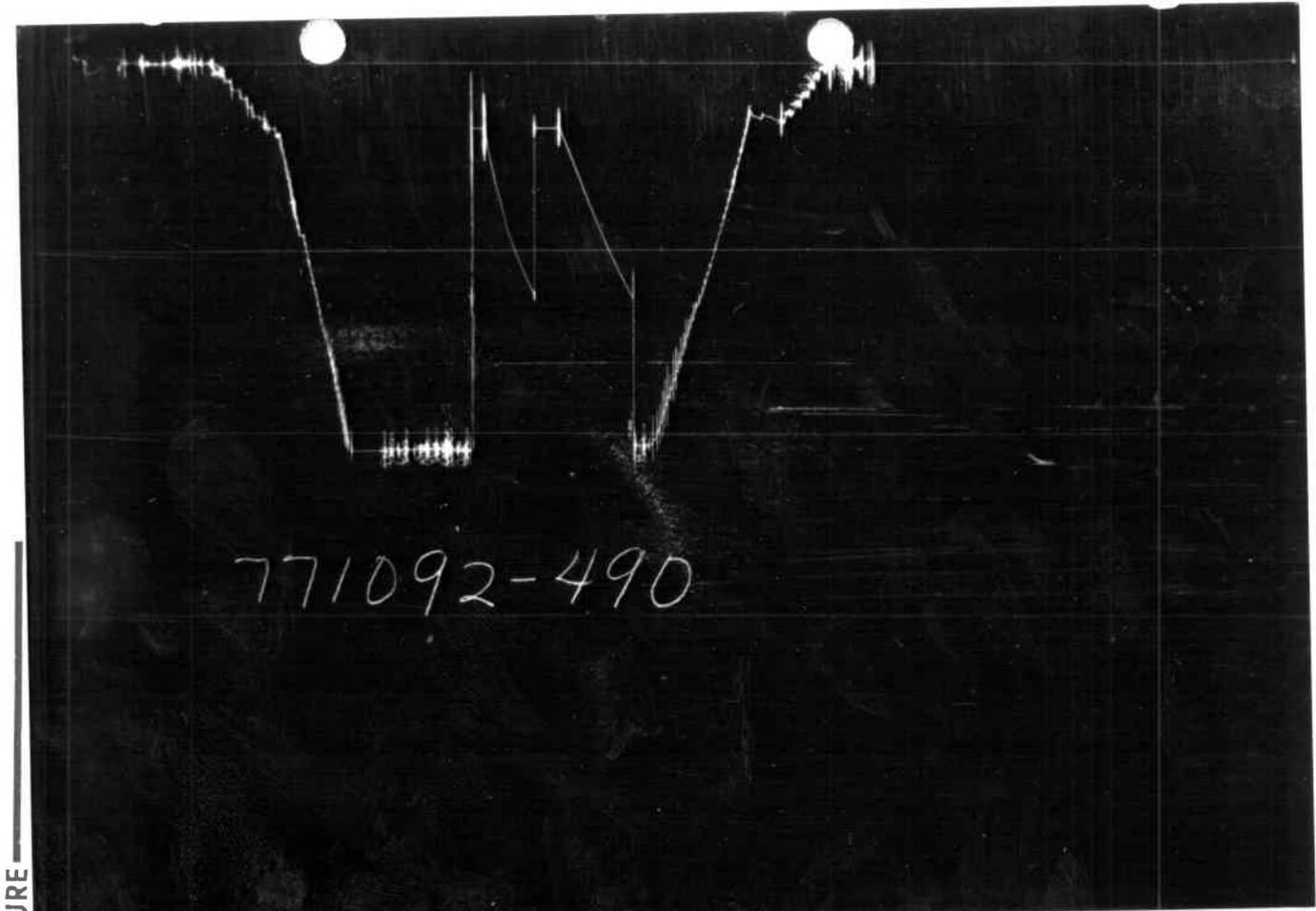
Gauge No. 198			Depth 4449'				Clock No. 2786			24 hour		
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.
0	.0000	360.7	.0000		362.0	.0000	368.7	.0000		368.7		
1	.0520	362.0	.0166		501.3*	.1070	368.7	.0298		457.5		
2			.0365		628.9			.0596		559.2		
3			.0565		734.2			.0894		661.8		
4			.0764		842.1			.1192		767.1		
5			.0963		943.4			.1490		868.4		
6			.1163		1022.3			.1788		963.1		
7			.1362		1090.7			.2086		1050.0		
8			.1561		1150.0			.2384		1132.8		
9			.1761		1209.2			.2682		1211.8		
10			.1960		1263.1			.2980		1284.2		
11												
12												
13												
14												
15												

Reading Interval 6 9 Minutes

REMARKS: *Interval = 5 minutes

101

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	??	??	3732.18'	
Drill Collars	6 1/4"	2 1/4"	552.75'	
Reversing Sub	6 1/4"	2 3/4"	1'	4284.93'
Water Cushion Valve				
Drill Pipe				
Drill Collars	6 1/4"	2 1/4"	93.45'	
Handling Sub & Choke Assembly X over	6"	2 3/4"	.71'	
Dual CIP Valve				
Dual CIP Sampler	5"	.75"	6.75'	4384.09'
Hydro-Spring Tester	5"	.75"	5'	4390.09'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.06"	4'	4391.09'
Hydraulic Jar	5"	1.50"	5'	
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	1.68"	5.80'	4407.09'
Distributor	5"	1.68"	2'	
Packer Assembly	6 3/4"	1.68"	5.80'	4415.09'
Flush Joint Anchor				
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor	5 3/4"	3.86"	32'	
Blanked-Off B.T. Running Case	5 3/4"	3.86"	4.16'	4449'
Total Depth				4453'



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

Contractor Atco Drilling Co.
Rig No. 5
Spot NE-SW
Sec. 26
Twp. 9 S
Rng. 18 E
Field Wildcat
County Uintah
State Utah
Elevation 4946' "K.B."
Formation Green River

Top Choke 1/4"
Bottom Choke 1"
Size Hole 7 7/8"
Size Rat Hole --
Size & Wt. D. P. 4" 14.40
Size Wt. Pipe --
I. D. of D. C. 2 3/8"
Length of D. C. 340'
Total Depth 5360'
Interval Tested 3480-3520'
Type of Test Inflate
Straddle

Flow No. 1 15 Min.
Shut-in No. 1 60 Min.
Flow No. 2 60 Min.
Shut-in No. 2 120 Min.
Flow No. 3 -- Min.
Shut-in No. 3 -- Min.

Bottom
Hole Temp. --
Mud Weight 8.9
Gravity --
Viscosity --

Tool opened @ 5:24 PM

Outside Recorder

PRD Make Kuster K-3
No. 13005 Cap. 2900 @ 3485'

	Press	Corrected
Initial Hydrostatic	A	1618
Final Hydrostatic	K	1602
Initial Flow	B	110
Final Initial Flow	C	419
Initial Shut-in	D	1595
Second Initial Flow	E	489
Second Final Flow	F	1086
Second Shut-in	G	1584
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--

Lynes Dist.: Rock Springs, Wyo.
Our Tester: Steve Ogden
Witnessed By: Dennis Ivie

RECEIVED

JUN 2 1980

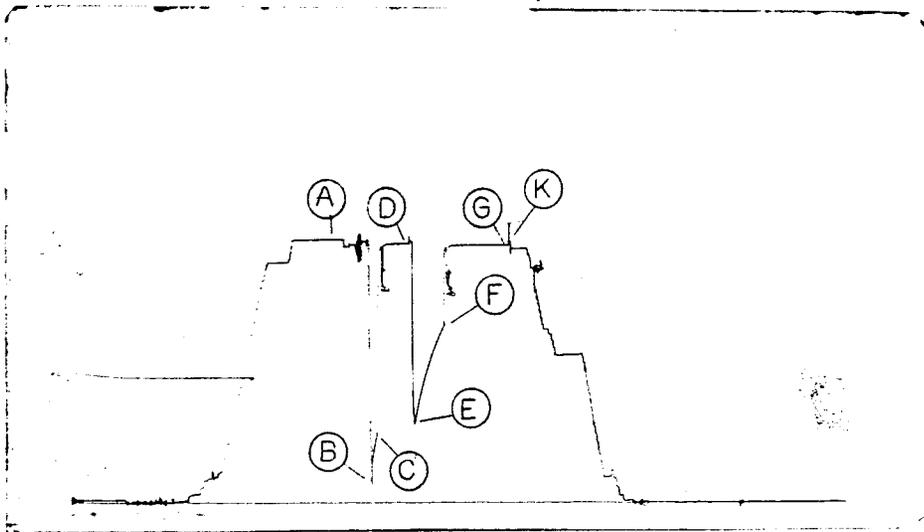
Did Well Flow - Gas no Oil no Water no
RECOVERY IN PIPE: 2336' Sulfur water = 23.43 bbl.

Top Sample R.W.: .4 @ 70°F = 16,000 ppm. Cl.
Middle Sample R.W.: .5 @ 70°F = 13,000 ppm. Cl. **DIVISION OF OIL, GAS & MINING**

Blow description:

1st Flow: Tool opened with a fair blow; increased to bottom of bucket in 2 minutes and continued to increase to 2 psi. at end of flow period.

2nd Flow: Tool opened with bottom of bucket in 1 minute and continued to increase to 2 psi. in 10 minutes; decreased to 7 oz at end of flow period.



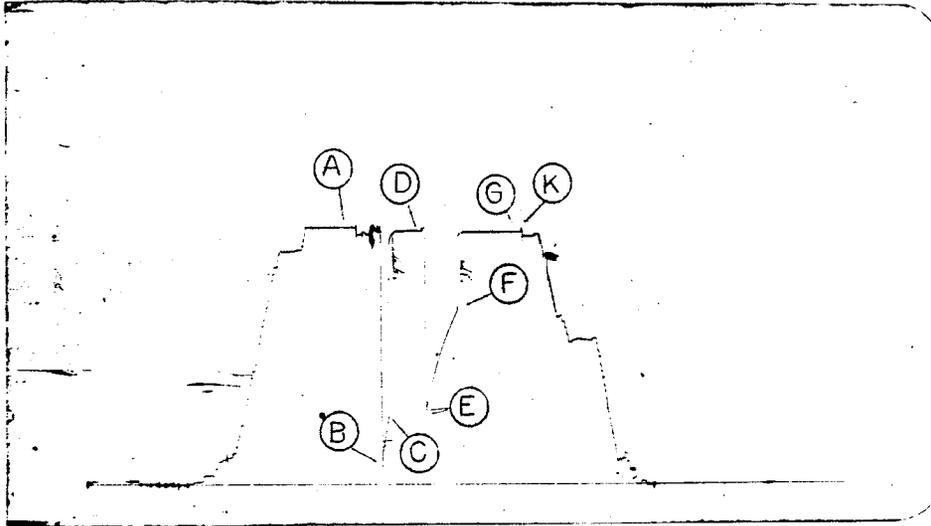
Operator **Mapco Production Co.**
 Well Name and No. **Federal #11-26A**
 Ticket No. **20830**
 Date **5-24-80**
 No. Final Copies **6**
 DST No. **6**

LYNES, INC.

Mapco Production Co.
Operator

Federal #11-26A
Well Name and No.

6
DST No.



Outside Recorder

PRD Make Kuster K-3
No. 13735 Cap. 2900 @ 3485'

	Press	Corrected
Initial Hydrostatic	A	1612
Final Hydrostatic	K	1594
Initial Flow	B	104
Final Initial Flow	C	412
Initial Shut-in	D	1591
Second Initial Flow	E	483
Second Final Flow	F	1080
Second Shut-in	G	1579
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		

WELL NAME: FEDERAL 11-26 A

DST NUMBER: 006

RECORDER NUMBER: 013005

INTERVAL TESTED: 3480FT TO 3520FT

RECORDER DEPTH: 3485.000FT

TOTAL FLOW TIME: 15.0MIN

FIRST SHUT IN PRESSURE (LIQUID)

TIME (MIN)	(T+PHI)	PRESSURE
PHI	/PHI	(PSI)
.0	.0000	419.0
1.0	16.0000	997.0
2.0	8.5000	1491.0
3.0	6.0000	1533.0
4.0	4.7500	1547.0
5.0	4.0000	1557.0
6.0	3.5000	1565.0
7.0	3.1429	1571.0
8.0	2.8750	1576.0
9.0	2.6667	1349.0
10.0	2.5000	1400.0
12.0	2.2500	1582.0
14.0	2.0714	1586.0
16.0	1.9375	1588.0
18.0	1.8333	1590.0
20.0	1.7500	1591.0
22.0	1.6818	1591.0
24.0	1.6250	1592.0
26.0	1.5769	1592.0
28.0	1.5357	1593.0
30.0	1.5000	1593.0
35.0	1.4286	1595.0 *
40.0	1.3750	1595.0 *
45.0	1.3333	1595.0 *
50.0	1.3000	1595.0 *
55.0	1.2727	1595.0 *
60.0	1.2500	1595.0 *

* VALUES USED IN HORNER ANALYSIS

SLOPE: .00000 PSI/CYCLE

EXTRAPOLATED PRESSURE: 1595.0 PSI

WELL NAME: FEDERAL 11-26 A

DST NUMBER: 006

RECORDER NUMBER: 013005

INTERVAL TESTED: 3480FT TO 3520FT

RECORDER DEPTH: 3485.000FT

TOTAL FLOW TIME: 75.0MIN

SECOND SHUT IN PRESSURE (LIQUID)

TIME (MIN)	(T+PHI)	PRESSURE
PHI	/PHI	(PSI)
.0	.0000	1086.0
1.0	76.0000	1553.0
2.0	38.5000	1560.0
3.0	26.0000	1566.0
4.0	19.7500	1570.0
5.0	16.0000	1383.0
6.0	13.5000	1377.0
7.0	11.7143	1375.0
8.0	10.3750	1375.0
9.0	9.3333	1404.0
10.0	8.5000	1576.0
12.0	7.2500	1578.0
14.0	6.3571	1582.0
16.0	5.6875	1583.0
18.0	5.1667	1584.0
20.0	4.7500	1584.0
22.0	4.4091	1584.0
24.0	4.1250	1584.0
26.0	3.8846	1584.0
28.0	3.6786	1584.0
30.0	3.5000	1584.0
40.0	2.8750	1584.0
50.0	2.5000	1584.0 *
60.0	2.2500	1584.0 *
70.0	2.0714	1584.0 *
80.0	1.9375	1584.0 *
90.0	1.8333	1584.0 *
100.0	1.7500	1584.0 *
110.0	1.6818	1584.0 *
120.0	1.6250	1584.0 *

* VALUES USED IN HORNER ANALYSIS

SLOPE: .00000 PSI/CYCLE

EXTRAPOLATED PRESSURE: 1584.0 PSI

HORNER PLOT

TEST DATE: 05 24 80

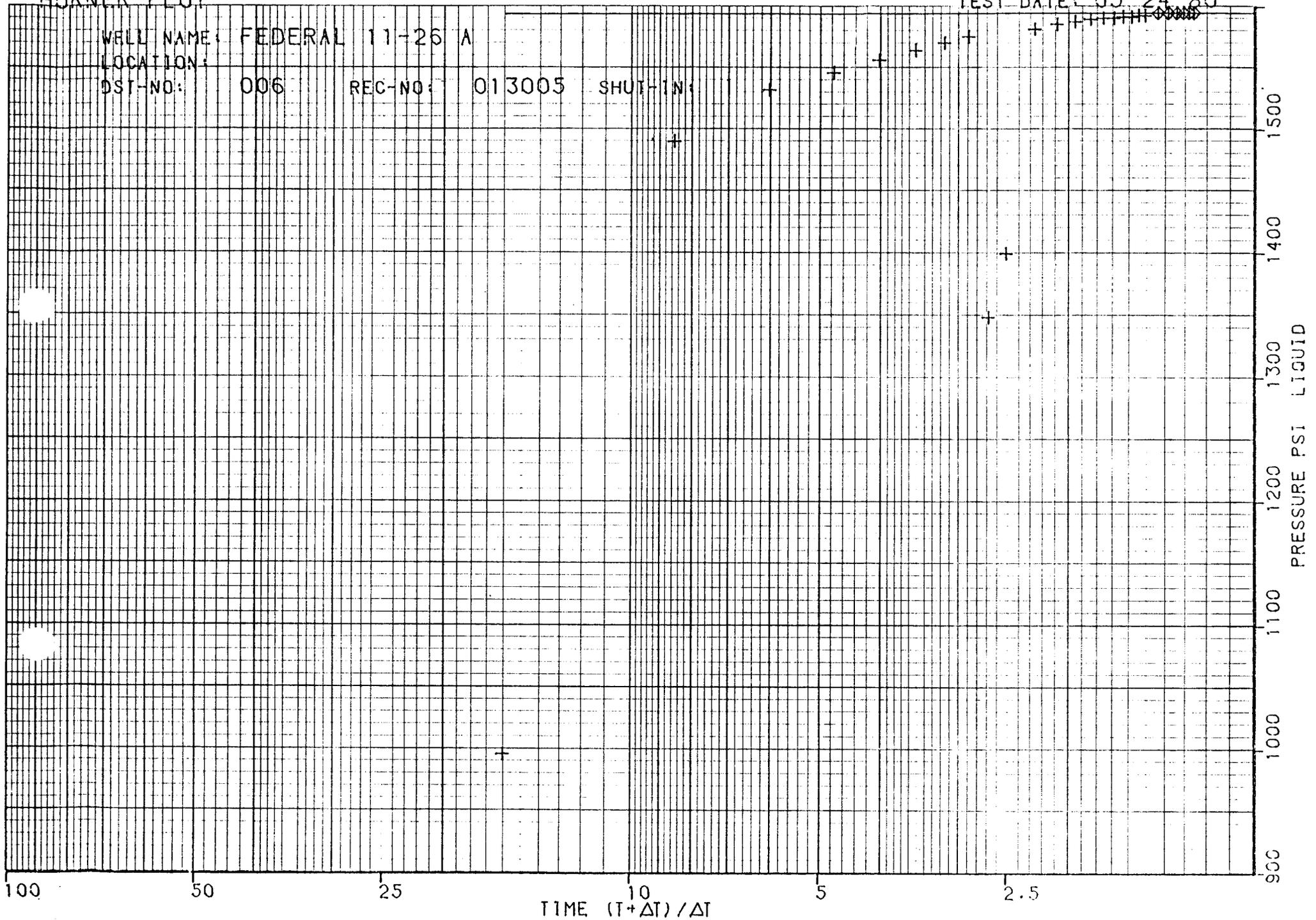
WELL NAME: FEDERAL 11-26 A

LOCATION:

DST-NO: 006

REC-NO: 013005

SHUT-IN:



HORNER PLOT

TEST DATE: 05 24 80

WELL NAME: FEDERAL 11-26 A

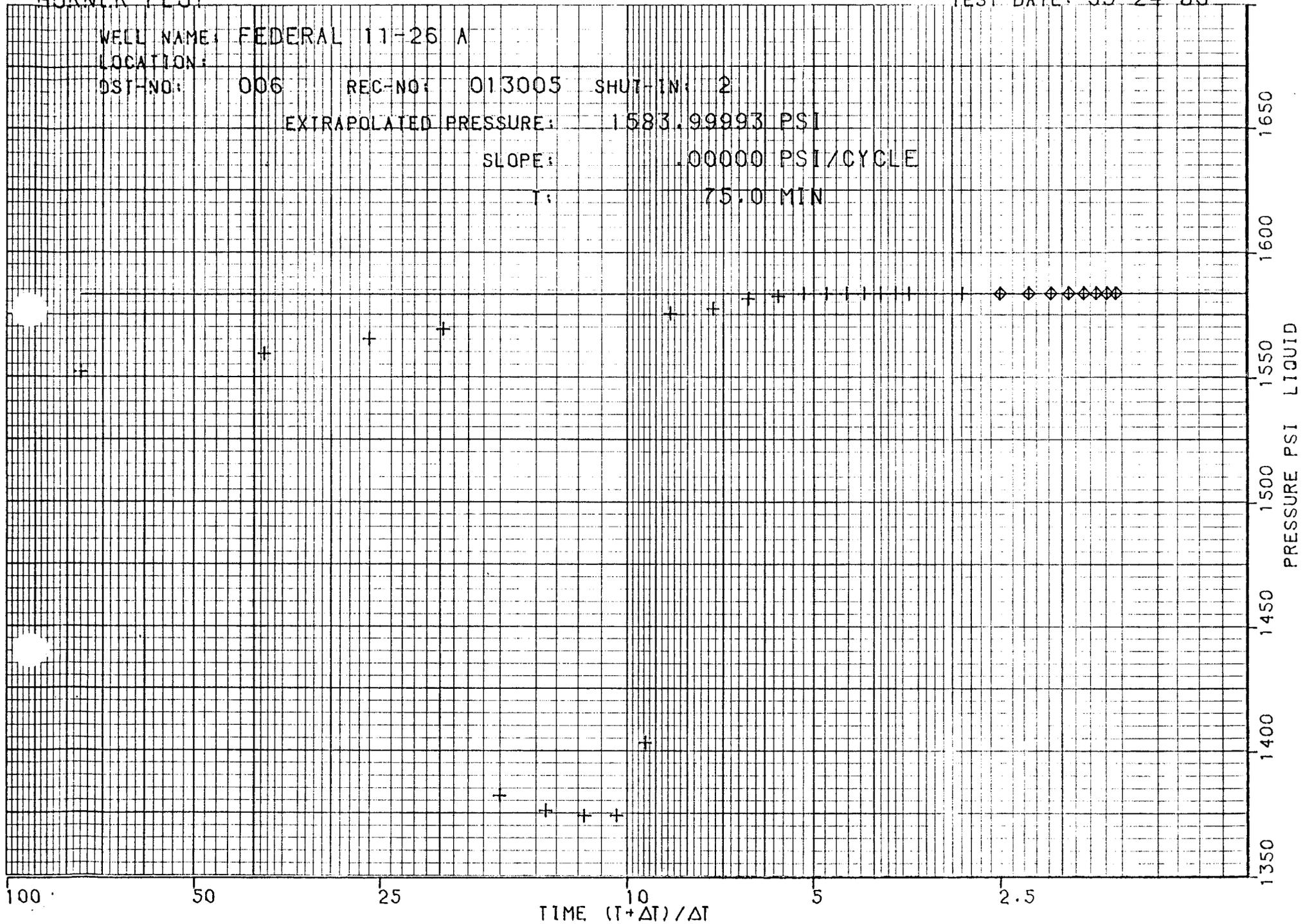
LOCATION:

DST-NO: 006 REC-NO: 013005 SHUT-IN: 2

EXTRAPOLATED PRESSURE: 1583.99993 PSI

SLOPE: 1.00000 PSI/CYCLE

T: 75.0 MIN



LYNES, INC.

Sampler Report

Company Mapco Production Co. Date 5-24-80
Well Name & No. Federal #11-26A Ticket No. 20830
County Uintah State Utah
Test Interval 3480-3520' DST No. 6

Total Volume of Sampler: 2000 cc.
Total Volume of Sample: 2000 cc.
Pressure in Sampler: 37 psig
Oil: None cc.
Water: 2000 cc.
Mud: None cc.
Gas: None cu. ft.
Other: None

Sample R.W.: .5 @ 70°F = 13,000 ppm. Cl.

Resistivity

Make Up Water R.W. 10.0+@ of Chloride Content _____ ppm.

Mud Pit Sample R.W. .4 @ 70°F of Chloride Content 16,000 ppm.

Gas/Oil Ratio _____ Gravity _____ °API @ _____ °F

Where was sample drained On location

Remarks: _____

LYNES, INC.

Distribution of Final Reports

Mapco Production Co.

Federal #11-26A

Operator

Well Name and No.

Original &

1 copy: Mapco Production Co., Suite 202, Alpine Executive Center, 1643 Lewis Ave.,
Billings, Montana 59102

1 copy: Mapco Production Co., Box 1360, Roosevelt, Utah 84066

1 copy: Gilman A. Hill, 6200 Plateau Drive, Englewood, Co. 80110

1 copy: Axem Resources, Inc., Suite 1130, 410-17th St., Denver, Co. 80202

1 copy: State of Utah, Department of Natural Resources, Division of Oil & Gas
Minerals, 1588 W. North Temple, Salt Lake City, Utah 84116

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See instructions on reverse side)

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

5. LEASE DESIGNATION AND SERIAL NO.

U-19266

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.

Federal 11-26A

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 26, T9S, R18E

12. COUNTY OR PARISH

Uintah

13. STATE

Utah

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 Abandon

2. NAME OF OPERATOR
MAPCO Production Company
Alpine Executive Center

3. ADDRESS OF OPERATOR
1643 Lewis Ave., Suite 202
Billings, Montana 59101

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 2098' FWL & 1926' FSL, NE SW
At top prod. interval reported below
At total depth Same

14. PERMIT NO. 43-047-30672
DATE ISSUED 1-25-80

15. DATE SPUDED 4-24-80
16. DATE T.D. REACHED 5-17-80
17. DATE COMPL. (Ready to prod.) P&A 5-17-80
18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 4935' Ungraded GL
19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 5356'
21. PLUG, BACK T.D., MD & TVD
22. IF MULTIPLE COMPL., HOW MANY*
23. INTERVALS DRILLED BY Surface-T.D. →
ROTARY TOOLS
CABLE TOOLS None

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
NO PRODUCING INTERVALS
25. WAS DIRECTIONAL SURVEY MADE NO

26. TYPE ELECTRIC AND OTHER LOGS RUN
-DIL, FDC-CNL-GR w/Caliper, BHC-Sonic
27. WAS WELL CORED NO

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#	125.98'	17-1/2"	210 sacks	
8-5/8"	24#	384.21'	12-1/4"	305 sacks	

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)
None
See back for Formation Tops and Plug Description

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
DEPTH INTERVAL (MD)
AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION
DATE FIRST PRODUCTION None
PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)
WELL STATUS (Producing or shut-in)

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

FLOW. TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE
OIL—BBL. GAS—MCF. WATER—BBL.

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
TEST WITNESSED JUN 5 1980

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.
DIVISION OF OIL, GAS & MINING

SIGNED Richard Baumann TITLE Engineering Technician DATE 5-27-80

*(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.)

37. SUMMARY OF POROUS ZONES:
 SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			<p>PLUG DESCRIPTION:</p> <p>Set plugs as follows -</p> <p>5000' - 4800' 96 sacks Class H</p> <p>3900' - 3700' 87 sacks Class H</p> <p>1550' - 1110' 196 sacks Class H</p> <p>500' - 300' 92 sacks Class H, 2% CaCl₂</p> <p>67' - Surface 5 sacks Class G</p> <p>Set EZ Drill bridge plug at 277' with 100' cement on top.</p>

38. GEOLOGIC MARKERS	NAME	TOP	
		MEAS. DEPTH	TRUE VERT. DEPTH
	Uintah	Surface	
	X Marker	2342'	
	I Zone	4044'	
	K Zone	4307'	
	Wasatch Tongue	4750'	
	Gr River Tongue	5144'	
	Wasatch	5312'	
	T.D.	5356'	

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR MAPCO PRODUCTION COMPANY
Alpine Executive Center

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2098' FWL & 1926' FSL
AT TOP PROD. INTERVAL: SAME
AT TOTAL DEPTH: SAME

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

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

PULL OR ALTER CASING

MULTIPLE COMPLETE

CHANGE ZONES

ABANDON*

(other) _____

SUBSEQUENT REPORT OF:

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING
DATE: 6-13-80
BY: M. J. [Signature]

5. LEASE U-19266

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO. Federal 11-26A

10. FIELD OR WILDCAT NAME Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 26,
T. 9 S., R. 18 E.

12. COUNTY OR PARISH Uintah 13. STATE Utah

14. API NO. 43-047-30672

15. ELEVATIONS (SHOW DF, KDB, AND WD) 4935' Ungraded G.L.

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 Plug & Abandon the Federal 11-26A as follows

5000'-4800' 96 sacks class H
3900'-3700' 87 sacks class H
1550'-1110' 196 sacks class H
500'-300' 92 sacks class H, 2% CaCl₂
67'-Surface 5 sacks class G
Set EZ Drill BP at 277' with 100' class N cement, 2% CaCl₂, on top.

Verbal approval received 5-23-80 from Assatt Raffal.

Subsurface Safety Valve: Manu. and Type _____

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

SIGNED Richard Baumann TITLE Engineering Tech. DATE 5-23-80

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

JUN 5 1980

DIVISION OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR MAPCO PRODUCTION COMPANY
Alpine Executive Center

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2098' FWL & 1926' FSL
AT TOP PROD. INTERVAL: SAME
AT TOTAL DEPTH:

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

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

5. LEASE U-19266	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
7. UNIT AGREEMENT NAME	
8. FARM OR LEASE NAME	
9. WELL NO. Federal 11-26A	
10. FIELD OR WILDCAT NAME Wildcat	
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 26, T. 9 S., R. 18 E.	
12. COUNTY OR PARISH Uintah	13. STATE Utah
14. API NO. 43-047-30672	
15. ELEVATIONS (SHOW DF, KDB, AND WD) 4935' Ungraded G.L.	

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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

The Federal 11-26A has been plugged & abandoned. Plugs have been set at the following intervals:

5000'-4800' 96 sacks class H
3900'-3700' 87 sacks class H
1550'-1110' 196 sacks class H
500'-300' 92 sacks class H, 2% CaCl₂
67'-Surface 5 sacks class G
Set EZ Drill BP @ 277' with 100' class N cement, 2% CaCl₂ on top

Subsurface Safety Valve: Manu. and Type _____

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

SIGNED Richard Baumann TITLE Engineering Tech. DATE 5-27-80 JUN 5 1980
Richard Baumann

(This space for Federal or State office use)

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

