

GW - 60

MONITORING REPORTS

DATE:

1989-1956

RECEIVED

BLM .

Form 9-331
JAN 1989 39 AM '89Form Approved.
Budget Bureau No. 42-R1424CAR.
ARE.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.)

RECEIVED

1. oil well ☐ gas well ☒ other2. NAME OF OPERATOR
LANEXCO, INC.

JUL 07 '89

3. ADDRESS OF OPERATOR

P.O. BOX 1206 Jal, NM 88252 C. C. D.

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 1986' FNL & 330' FEL

AT TOP PROD. INTERVAL:

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 ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐CHANGE ZONES ☐ABANDON* ☐

(other)

5. LEASE

NM 0558959

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

H

8. FARM OR LEASE NAME

BR 4 FEDERAL

9. WELL NO.

3

10. FIELD OR WILDCAT NAME

WASHINGTON RANCH DELEWARE

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 4; T 26S; R.24E

12. COUNTY OR PARISH

EDDY

13. STATE

NM

14. API NO.

30-015-20815

15. ELEVATIONS (SHOW DF, KDB, AND WD)

(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.)*

Change of operator from ALPHA TWENTY-ONE PRODUCTION COMPANY to
LANEXCO, INC.

RECEIVED

JUL 10 1989

OIL CONSERVATION DIV.

LAW, A FE

Subsurface Safety Valve: Manu. and Type

Set @ _____ Ft.

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

SIGNED

TITLE Exec. Vice Pres. DATE 1/10/89

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

JUL 3 8 40 AM '89

ACCEPTED FOR RECORD

JUL 6 1989

CAGLE, B. D. LEXCO

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
PRODUCTION OFFICE	

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RECEIVED
FEB 09 1988

Form C-104
Revised 10-01-78
Format 06-01-83
Page 1

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I. Operator LANEXCO, INC.

Address P.O. BOX 1206 JAL, NEW MEXICO 88252

Reason(s) for filing (Check proper box)

<input type="checkbox"/> New Well	Change in Transporter of:	<input type="checkbox"/> Dry Gas
<input type="checkbox"/> Recompletion	<input type="checkbox"/> Oil	<input type="checkbox"/> Condensate
<input type="checkbox"/> Change in Ownership	<input type="checkbox"/> Casinghead Gas	

Other (Please explain)
Change of operator effective 2/1/88 (Well was formerly operated by Alpha Twenty-One Production Company)

If change of ownership give name and address of previous owner _____

II. DESCRIPTION OF WELL AND LEASE

Lease Name <u>BR 4 FEDERAL</u>	Well No. <u>3</u>	Pool Name, including Formation <u>WASHINGTON RANCH - DELEWARE</u>	Kind of Lease <u>State, Federal or Fee FEDERAL</u>	Lease No. <u>NM055891</u>
Location				
Unit Letter <u>H</u>	<u>1986</u>	Feet From The <u>North</u>	Line and <u>330</u>	Feet From The <u>East</u>
Line of Section <u>4</u>	Township <u>26 S</u>	Range <u>24 E</u>	<u>NMPM,</u>	<u>EDDY</u> County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS


Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
<u>El Paso Natural Gas Company</u>	<u>P.O. Box 1492- El Paso, Texas 79978</u>
If well produces oil or liquids, give location of tanks.	Is gas actually connected? When
	<u>YES</u> <u>11/22/76</u>

If this production is commingled with that from any other lease or pool, give commingling order number: _____

NOTE: Complete Parts IV and V on reverse side if necessary.

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given is true and complete to the best of my knowledge and belief.


(Signature)
Executive Vice President
(Title)
February 2, 1988
(Date)

OIL CONSERVATION DIVISION
APR 25 1988
APPROVED _____, 19____
BY Mike W. Miller
TITLE OIL AND GAS INSPECTOR

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY 1987

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 ☐ gas ☒ other ☐

APR 21 1987

2. NAME OF OPERATOR
Alpha Twenty-One Production Company

O. C. D.
ARTESIA OFFICE

3. ADDRESS OF OPERATOR
P. O. Box 1206 Jal, N. M. 88252

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1986' FNL & 330' FEL Sec. 4
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

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

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

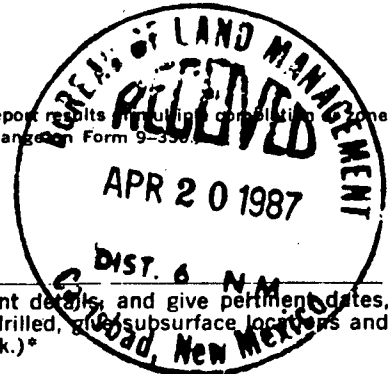
TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐

☐
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☐

(other) Continue Temporary Abandonment

5. LEASE
NM-0558959
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
BR 4 Federal
9. WELL NO.
3
10. FIELD OR WILDCAT NAME
Washington Ranch Delaware
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 4, T 26 S, R-24 E
12. COUNTY OR PARISH
Eddy
13. STATE
New Mexico
14. API NO.
Approved 2-22-73 30-015-208
15. ELEVATIONS (SHOW DF, KDB, AND WD)
3773.5' KB

(NOTE: Report results of drilling operations and changes on Form 9-331-C)



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.)*

Due to the present depressed market in oil and gas, the well is uneconomical to operate under present pricing and cost conditions. We request a continuance of our temporary abandonment status.

The well was pressure tested on February 27, 1987 to 500 psi for 15 minutes.

APPROVED FOR ¹² MONTH PERIOD
ENDING April 15, 1988

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

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

SIGNED Mike Capeland TITLE Production Supt. DATE April 15, 1987

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE

4/20/87

RECEIVED
MAY 26 1986
ARTESIA, OFFICE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil ☐ gas ☒ other ☐

2. NAME OF OPERATOR

Alpha Twenty-One Production Company C. D.

3. ADDRESS OF OPERATOR

P.O. Box 1206 Jal, NM 88252

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 1986' FNL & 330' FEL Sec 4

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

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) Continue Temporary Abandonment

SUBSEQUENT REPORT OF:

☐

☐

☐

☐

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☐

☐

☐

☐

5. LEASE

NM-0558959

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

BR 4 Federal

9. WELL NO.

3

10. FIELD OR WILDCAT NAME

Washington Ranch Delaware

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

Sec 4, T26S, R24E

12. COUNTY OR PARISH

Eddy

13. STATE

NM

14. API NO.

Approved 2-22-73

15. ELEVATIONS (SHOW DF, KDB, AND WD)

3773.5' KB

(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.)*

Due to the present depressed market in oil and gas, the well is uneconomical to operate under present pricing and cost conditions. We request a continuance of our Temporary Abandonment Status.

This well was pressure tested on February 20, 1986 to 500 psi for 15 mins.

ACCEPTED FOR RECORD

MAY 21 1986

Subsurface Safety Valve: Manu. and Type CARLSBAD, NEW MEXICO

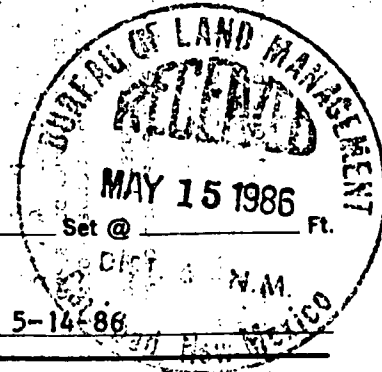
18. I hereby certify that the foregoing is true and correct

SIGNED Robert W. Lansford TITLE VP/Energy Resources DATE 5-14-86

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____ DATE _____



DEPARTMENT OF THE INTERIOR BY
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

DO NOT use this form for proposals to drill or to deepen a well back to a different reservoir. Use Form 9-331-C for such proposals.

1. oil well ☐ gas well ☐ other Gas Storage

2. NAME OF OPERATOR

El Paso Natural Gas Co.

3. ADDRESS OF OPERATOR

1800 Wilco Bldg., Midland, Tx 79701

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below)

AT SURFACE: 412' FWL & 2090' FNL

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

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

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF

FRACURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

PULL OR ALTER CASING

MULTIPLE COMPLETE

CHANGE ZONES

ABANDON •

(other)

SUBSEQUENT REPORT OF:

☐ ☐ ☐ ☒ ☐ ☐ ☐ ☐

RECEIVED (NOTE: Ref. chas)

SEP 17 1964

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

OIL CONSERVATION DIVISION

SANTA FE

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.)^a

- 1.) Set tubing plug. RU and install 5000 psi hydraulic BOP.
- 2.) RU Snubbing unit, pull and lay down 2 7/8" production tubing.
- 3.) RU wireline unit and set Baker Model D permanent packer at 6710' wlm, with blanking plug below packer.
- 4.) Load 7" casing with water and pressure test to 3000 psig.
- 5.) Run 2 7/8" J-55 6.5# tubing with Baker E-22 latch in seal assembly, circulate inhibited packer fluid, latch into packer.
- 6.) Nipple down BOP, Nipple up wellhead.
- 7.) Pressure test tubing to 3000 psig. Retrieve blanking plug, return to service.

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

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

SIGNED

TITLE Area Prod. Eng.

DATE _____

9-10-84

~~ACCEPTED FOR RECORD~~

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

SEP 17 1984

Carlstrand

NEW ZEALAND

*See Instructions on Reverse Side

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 ☐ gas ☐ other ☐ Gas Storage Well
2. NAME OF OPERATOR
El Paso Natural Gas Co.
3. ADDRESS OF OPERATOR
1800 Wilco Bldg., Midland, Texas 79701
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 412' FWL & 2090' FNL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

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:

- ☐
☐
☐
☐
☐
☐
☐
☐
☐
☐

RECEIVED BY

JUN 21 1984

O. C. D.
ARTESIA, OFFICE

5. LEASE

NM-0525452-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Washington Ranch Storage Project W

9. WELL NO.

8

10. FIELD OR WILDCAT NAME

Washington Ranch Morrow

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

Sec. 3, T-26-S, R-24-E

12. COUNTY OR PARISH

Eddy

N. Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD) GR 3757'

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.)*

- 1.) Move in and Rig up workover unit, set tubing plug.
- 2.) Remove wellhead and install BOP.
- 3.) Pull production tubing with snubbing unit.
- 4.) Run permanent packer on wireline and set +100' above perforations.
- 5.) Run production tubing, circulate treated packer fluid.
- 6.) Land tubing with latch in sub in packer, remove BOP, install wellhead.
- 7.) Remove tubing plug, release workover unit, return to service.

Subsurface Safety Valve: Manu. and Type

Set @ _____ Ft.

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

SIGNED

David E. Myer

TITLE Sr. Production Eng. DATE June 15, 1984

(This space for Federal or State office use)

APPROVED BY

P. R. Pritchard

TITLE P.E.

DATE

6/20/84

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

W. A. T. CONS. COMMISSION
Artesia, NM 88210
Instructions on
reverse side)Form approved.
Budget Bureau No. 42-R355.8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

5. LEASE DESIGNATION AND SERIAL NO

NM 0525452-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
WASHINGTON RANCH GAS
STORAGE PROJECT

9. WELL NO.

8

10. FIELD AND POOL, OR WILDCAT

WASHINGTON RANCH/GAS 1

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

Sec. 3, T-26-S, R-24-I

12. COUNTY OR
PARISH
EDDY13. STATE
NEW MEXICO

12. TYPE OF WELL:

OIL
WELL ☐GAS
WELL ☒DRY ☐

Other GAS STORAGE

1. TYPE OF COMPLETION:

NEW
WELL ☒WORK
OVER ☐DEEP-
EN ☐PLUG
BACK ☐DIFF.
RESER. ☐

Other

2. NAME OF OPERATOR

EL PASO NATURAL GAS COMPANY

3. ADDRESS OF OPERATOR

1800 WILCO BUILDING - MIDLAND, TEXAS 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 412' FWL & 2090' FNL

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

N/A

15. DATE SPUDDED

11-2-81

16. DATE T.D. REACHED

11-28-81

17. DATE COMPL. (Ready to prod.)

12-4-81

18. ELEVATIONS (OF, RKB, RT, OR, ETC.)*

3769 KB

19. ELEV. CASINGHEAD

3757'

20. TOTAL DEPTH, MD & TVD

7104'

21. PLUG, BACK T.D., MD & TVD

7046'

22. IF MULTIPLE COMPL.,
HOW MANY*23. INTERVALS
DRILLED BY

ROTARY TOOLS

CABLE TOOLS

X

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

6834' - 7008' Morrow Clastics

25. WAS DIRECTIONAL
SURVEY MADE

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

Comp Neutron FD, DIL/SFL, BCS, Cyberlook & CBL

27. WAS WELL CORED

YES

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8	32.30	795'	12 1/2	500 sxs Class "C"	None
7	23.00	7099'	8 3/4	405 sxs Class "H"	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8	6913'	

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

6834' - 7008' 4 SPF (172 holes)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)

None

AMOUNT AND KIND OF MATERIAL USED

JUL 12 1982

33. PRODUCTION DIVISION

DATE FIRST PRODUCTION

N/A

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)

No test

U.S. GEOLOGICAL SURVEY

WELL STATUS (Producing or shut-in)

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.

CASINO PRESSURE

CALCULATED
24-HOUR RATE

OIL—BBL.

GAS—MCF. FOR RECORD—BBL.

OIL GRAVITY-API (CORR.)

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

EPNG Pipeline

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and was obtained from all available records

SIGNED

John D. Deek

TITLE

SUPERVISOR, NEW MEXICO
GEOLOGICAL SURVEY

DATE

6-29-82

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

SANITARY	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
PRORATION OFFICE	

**REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS**

Form C-104
Supersedes Old C-104 and
Effective 1-1-85

RECEIVED

JUL 12 1982

Operator EL PASO NATURAL GAS COMPANY		O. C. D. ARTESIA, OFFICE
Address 1800 WILCO BUILDING - MIDLAND, TEXAS 79701		
Reason(s) for filing (check proper box)		
New Well <input checked="" type="checkbox"/>	Change in Transporter of: Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>	Other (Please explain) GAS STORAGE WELL
Recompleting <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>	
Change in Ownership <input type="checkbox"/>		

If change of ownership give name and address of previous owner _____

II. DESCRIPTION OF WELL AND LEASE

Lease Name WASHINGTON RANCH GAS STORAGE PROJECT	Well No. 8	Pool Name, Including Formation WASHINGTON RANCH/GAS POOL MORROW	Kind of Lease State, Federal or Fee FEDERAL
Location Unit Letter E ; 412' Feet From The West Line and 2090' Feet From The North			
Line of Section 3 , Township 26-S Range 24E , NMPM, EDDY Coun			

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent) ATTN: PRODUCTION CONTROL
EL PASO NATURAL GAS COMPANY	P. O. BOX 1492, EL PASO, TEXAS 79788
If well produces oil or liquids, give location of tanks.	Is gas actually connected? When
	No

If this production is commingled with that from any other lease or pool, give commingling order number: _____

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well <input type="checkbox"/>	Gas Well <input checked="" type="checkbox"/>	New Well <input checked="" type="checkbox"/>	Workover <input type="checkbox"/>	Deepen <input type="checkbox"/>	Plug Back <input type="checkbox"/>	Same Res'v. <input type="checkbox"/>	Diff. Re <input type="checkbox"/>
Date Spudded 11-2-81	Date Compl. Ready to Prod. 12-4-81		Total Depth 7104'		F.B.T.D. 7046'			
Pool WASHINGTON RANCH/GAS POOL	Name of Producing Formation MORROW		Top Oil/Gas Pay 6834'		Tubing Depth 6913'			
Perforations 6834' - 7008'					Depth Casing Shoe 7099'			
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
12 1/4	9 5/8		795'		500 sxs Class "C"			
8 3/4	7		7099'		405 sxs Class "H"			
6 1/8	2 7/8		6913'					

V. TEST DATA AND REQUEST FOR ALLOWABLE (Text must be after recovery of total volume of load oil and must be equal to or exceed top oil oil well. able for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test SEP 28 1982	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure OIL CONSERVATION DIVISION	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-RHS. SANTA FE	Water-RHS.	Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D N/A	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure	Casing Pressure	Choke Size

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

John P. Deek
(Signature)
Supervisor Production Services

6-29-82
(Date)

OIL CONSERVATION COMMISSION

JUL 28 1982

APPROVED _____, 19____
BY *W.A. Burnett*
SUPERVISOR, DISTRICT II

TITLE _____

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out Sections I, II, III, and VI only for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiple completed wells.

N.M.O.C.D. COPY

Form 9-331 C
(May 1963)SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)Form approved.
Budget Bureau No. 42-R1425.UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☐

OTHER

Storage

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

El Paso Natural Gas Company

3. ADDRESS OF OPERATOR

1800 Wilco Building - Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

412' FWL, 2090' FNL, Sec. 3

At proposed prod. zone

Same

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

6 miles SW Whites City, New Mexico

10. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest urlg. unit line, if any)

NA

16. NO. OF ACRES IN LEASE

NA

17. NO. OF ACRES ASSIGNED
TO THIS WELL

NA

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

NA

19. PROPOSED DEPTH

+ 7,050'

20. ROTARY OR CABLE TOOLS

Rotary

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

3,757' GR

22. APPROX. DATE WORK WILL START*

July 1, 1981

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
16"	13 2/8" Cond.	29.3 H-40	40'	30 cu. ft. <u>CIRCULATE</u>
12 1/4"	9 5/8"	32.3 H-40	800'	630 cu. ft. to circulate
8 1/2"	7"	23.0 H-80	7,050'	1341 cu. ft.

Project approved by NMOCD Order No. R-6175-A.

Selectively perforate and treat the Morrow formation for gas storage.

A 3000 psi W.P. and 6000 psi test double gate BOP with blind and pipe rams
will be used for blowout prevention.RECEIVED
JUL 09 1981RECEIVED
MAY 21 1981
OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM. If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

(This space for Federal or State office use)

PERMIT NO.

APPROVED BY

CONDITIONS OF A

TITLE

Drilling Engineer

DATE

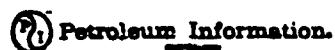
May 20, 1981

APPROVAL DATE

TITLE

DATE

JUL - 1 1981
FOR
DAVID S. GILLHAM
DISTRICT SUPERVISOR



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COUNTY EDDY FIELD Washington Ranch STATE NM
OPR EL PASO NATURAL GAS CO. API 30-015-23856
NO LPG-8 LEASE Washington Ranch Storage Project/ MAP
Sec 3, T26S, R24E /"WI" Federal CO-ORD
2090 FNL, 412 FWL of Sec 11-2-29 NM
11 mi SW/White City SPD 11-2-81 CMP 6-29-82

ISC

9 5/8-795-500 sx
7-7099-405 sx
2 7/8-6913

WELL CLASS: INIT IW FIN U LSE CODE

FORMATION	DATUM	FORMATION	DATUM
TD	7104 (MORW)	PBD	7046

(Morrow) Perfs 6834-7008 GAS STORAGE WELL

CONTR Young #5 OPERATED 3757 GL, 3769 KB sub-s 11

F.R. 6-8-81
PD 7050 RT (Morrow)
11-13-82 AMEND WELL NUMBER & ADD LEASE DESIGNATION:
Formerly WI-8
11-3-81 Drlg 246
11-10-81 Drlg 4170
11-17-81 Drlg 6724
12-1-81 Coring @ 6999
12-8-81 TD 7104; PBD 7046: SI
Cores (NA)
Perf (Morrow) 6834-55, 6899-6910, 6969-77,
7005-08 w/4 SPF
Natural

11-2-29 NM

EDDY
EL PASO NATURAL
GAS CO.

Washington Ranch NM
LPG-8 Washington Ranch Page #2
Storage Project "WI" Federal
Sec 3, T26S, R24E

11-8-82 TD 7104; PBD 7046; Complete
LOG TOPS; Delaware 560, Cherry Canyon 1436,
Bone Spring 3625, Wolfcamp 5510, Strawn 5796,
Atoka 6070, Morrow Lime 6622, Morrow Clastics
7010
LOGS RUN: CNL, FDC, DI, SONL, FOCL, BHC,
CBND
Rig Released 11-29-81
11-13-82 COMPLETION ISSUED

11-2-29 NM
IC 30-015-70259-81

El Paso EXPLORATION
COMPANY

1800 WILCO BUILDING
MIDLAND, TEXAS 79701

PHONE: 915-684-5701

RECEIVED

Gas WI 9-12
WASHINGTON RANCH STORAGE PROJECT NO. 8

JUL 12 1982

Sec. 3 , T-26-S, R-24-E
Eddy County, New Mexico

O. C. D.
ARTESIA, OFFICE

<u>DEPTH</u>	<u>HOLE SIZE</u>	<u>DEVIATION-DEGREES</u>
886	8 3/4"	2
1,398	8 3/4"	2 1/2
1,896	8 3/4"	3
2,389	8 3/4"	1/2
2,890	8 3/4"	1 3/4
3,420	8 3/4"	1 1/4
4,412	8 3/4"	1 1/2
4,911	8 3/4"	2 1/2
6,219	8 3/4"	2 1/2
6,720	8 3/4"	1 1/4

SWORN TO and SUBSCRIBED before me by John S. Delk on this the 11th
Day of June, 1982.

John S. Delk
John S. Delk

Judy Sandelf
Judy Sandelf, Notary Public
State of Texas

My commission expires June 29, 1984

UNITED STATES NM OIL CONS.
DEPARTMENT OF THE INTERIOR Drawer DD
GEOLOGICAL SURVEY Artesia, NMSF
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 <input type="checkbox"/> gas well <input checked="" type="checkbox"/> other <input type="checkbox"/> Storage
2. NAME OF OPERATOR El Paso Natural Gas Company /
3. ADDRESS OF OPERATOR 1800 Wilco Building, Midland, TX 79701
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) AT SURFACE: 412' FWL & 2090 FNL AT TOP PROD. INTERVAL: AT TOTAL DEPTH:
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) Run casing and Perforate ☐

SUBSEQUENT REPORT OF:

RECEIVED
DEC 10 1981OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

(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.)*

Drilled to 7100', ran 7" 23#, N-80 casing set at 7099.48'. Cemented with 405 sxs. Class "H" cement. Job complete at 2:30 a.m. 11-29-81. W.O.C. 25½ hrs. and tested casing 3000#, test OK. Top of cement @ 5750'. R.U. McCullough and perforated 7005-7008, 6969-6977, 6899-6910, 6834-6855, 4 spf, .34" holes (172 holes). TIH w/ 2 7/8", 6.5# J-55 EUE ABC tubing. and set at 6912.97. Released rig and shut in for test.

OIL CONSERVATION DIVISION
SANTA FE

Subsurface Safety Valve: Manu. and Type _____

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

SIGNED

ACCEPTED FOR RECORD
ROGER A. CHAPMAN

TITLE

Supervisor Production
Services

DATE

12-8-81

(This space for Federal or State office use)

APPROVED BY

DEC 11 1981

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

*See Instructions on Reverse Side

COMMISSION	
5. LEASE	
NM 0525452-A	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
7. UNIT AGREEMENT NAME	
8. FARM OR LEASE NAME Washington Ranch Storage Project	
9. WELL NO. W. I. Federal No. 8	
10. FIELD OR WILDCAT NAME Washington Ranch Morrow REEVE	
11. SEC. T., R., M. OR BLK. AND SURVEY OR AREA Sec. 3, T-26-S, R-24-E	
12. COUNTY OR PARISH Eddy	13. STATE New Mexico
14. API NO. N/A	
15. ELEVATIONS (SHOW DF, KDB AND WD) GR-3757	

DEC 14 1981

O. C. D.
ARTESIA, OFF.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

N^o OIL CONS.
Driller DD
Artesia, NM

5. LEASE
NM 0525452-A
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Washington Ranch Storage Project
9. WELL NO.
WI-Federal #8
10. FIELD OR WILDCAT NAME
Washington Ranch
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 3, T-26-S, R-24-E
12. COUNTY OR PARISH
Eddy
13. STATE
NM
14. API NO.
NA
15. ELEVATIONS (SHOW DF, KDB, AND WD)
GR 3757'

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 ☐ Storage
2. NAME OF OPERATOR
El Paso Natural Gas Co./
3. ADDRESS OF OPERATOR
1800 Wilco Bldg; Midland, Texas 79701
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 412' FWL & 2090' FNL
AT TOP PROD. INTERVAL:
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"/>
FRACTURE TREAT	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>
(other) Spud & Drilling Operations	

(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.)*

On 11/2/81 spudded 12 1/4" hole @ 9 AM, Young Drilling (Rig #5). Drilled to 795', ran 9 5/8", 32.3#, H-40 casing and set @ 795'. Cemented w/500 sx Class "C" cement. Circulated 50 sx to surface. Job complete @ 2 PM, 11/4/81. WOC 18 1/2 hrs and tested casing 800# for 30 minutes, test-OK. Reduced hole to 8 3/4" and resumed drilling operations.

RECEIVED
OIL CONSERVATION DIVISION
SANTA FE

RECEIVED
NOV 20 1981

ACCEPTED FOR RECORD
Subsurface Safety Valve: Make and Type
ROGER A. CHAPMAN

OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

Set @ _____ Ft.

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

SIGNED *John D. 11/1981*

TITLE Suprv. Prod. Svc. DATE 11/18/81

(This space for Federal or State office use)

U.S. GEOLOGICAL SURVEY
APPROVED BY _____
CONDITIONS OF APPROVAL _____

TITLE _____ DATE _____

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form 1-10-77
Supersedes C-128
Effective 1-1-85

All distances must be from the outer boundaries of the Section.

Operator El Paso Natural Gas Co.		Lease Washington Ranch Storage Project		Well No. WI #8
Unit Letter E	Section 3	Township 26-S	Range 24-E	County Eddy County, New Mexico

Actual Footage Location of Well: 412 feet from the West line and 2090 feet from the North line				
Ground Level Elev. 3757 Ft.	Producing Formation Morrow	Pool Washington Ranch Morrow	Dedicated Acreage: N/A Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below. **NA**
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). **NA**
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc? **NA**

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

Project approved by NMOCD
Order No. R-6175-A

2090'

412'

WI #8

SECTION 3

RECEIVED
JUL 09 1981
OIL CONSERVATION DIVISION
SANTA FE

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name

G. D. Mickey

Position

Drilling Engineer

Company

El Paso Natural Gas Co.

Date

May 20, 1981

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

4-24-81

Registered Professional Engineer
and/or Land Surveyor

Certificate No.

LS #1317

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

Artesia, NM 83210

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 ☐ gas ☐ other ☐ Storage

2. NAME OF OPERATOR

El Paso Natural Gas Co.

3. ADDRESS OF OPERATOR

1800 Wilco Bldg., Midland, Tx 79701

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below)

AT SURFACE: 687' FNL & 2017' FWL

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

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:

☐
☐
☒
☐
☐
☐
☐
☐

5. LEASE

NM-22207

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Washington Ranch Storage Project

9. WELL NO.

WZ Fed.

19

10. FIELD OR WILDCAT NAME

Washington Ranch Morrow

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

Sec. 34, T-25-S, R-24-E

12. COUNTY OR PARISH

Eddy

13. STATE

N. Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
GR 3712'

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

RECEIVED BY

O. C. D.
ARTESIA, OFFICE

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.)*

7-5/18-1984

- 1.) Set tubing plug. RU and install 5000 psi hydraulic BOP.
- 2.) RU Snubbing unit, pull and lay down 2 7/8" production tubing.
- 3.) RU wireline unit and set Baker Model D permanent packer at 6,620' wlm, with blanking plug below packer.
- 4.) Load 7" casing with water and pressure test to 3000 psig.
- 5.) Run 2 7/8" J-55 6.5# tubing with Baker E-22 latch in seal assembly, circulate inhibited packer fluid, latch into packer.
- 6.) Nipple down BOP, Nipple up wellhead.
- 7.) Pressure test tubing to 3000 psig. Retrieve blanking plug, return to service.

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

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

SIGNED

TITLE

Area Prod. Eng

DATE

7-19-84

ACCEPTED FOR RECORD

(This space for Federal or State office use)

APPROVED BY

TITLE

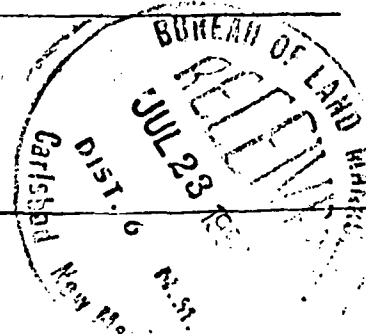
DATE

CONDITIONS OF APPROVAL, IF ANY:

JUL 24 1984

Carlsbad, NEW MEXICO

*See Instructions on Reverse Side



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 ☐ Gas Storage Well

2. NAME OF OPERATOR

El Paso Natural Gas Co. ✓

3. ADDRESS OF OPERATOR

1800 Wilco Bldg., Midland, Texas 79701

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 687' FNL & 2017' FWL

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

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:

☐

☐

☐

☐

☐

☐

☐

☐

☐

RECEIVED BY

JUN 2 1984

O. C. D.

ARTESIA, OFFICE

5. LEASE

NM-22207

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Washington Ranch Storage Project

9. WELL NO.

19

10. FIELD OR WILDCAT NAME

Washington Ranch Morrow

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

Sec. 34, T-25-S, R-24-E

12. COUNTY OR PARISH

Eddy

13. STATE

N. Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
GR 3712'

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.)*

1.) Move in and Rig up workover unit, set tubing plug.

2.) Remove wellhead and install BOP.

3.) Pull production tubing with snubbing unit.

4.) Run permanent packer on wireline and set +100' above perforations.

5.) Run production tubing, circulate treated packer fluid.

6.) Land tubing with latch in sub in packer, remove BOP, install wellhead.

7.) Remove tubing plug, release workover unit, return to service.

Subsurface Safety Valve: Manu. and Type

Set @ _____ Ft.

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

SIGNED

David E. Meyer

TITLE Sr. Production Eng. DATE June 15, 1984

APPROVED BY

R. P. Stahler

TITLE

P.E.

DATE

6/20/84

CONDITIONS OF APPROVAL, IF ANY:

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	<input checked="" type="checkbox"/>
FILE	<input type="checkbox"/>
U.S.G.S.	<input type="checkbox"/>
LAND OFFICE	<input type="checkbox"/>
TRANSPORTER	<input type="checkbox"/>
OIL	<input type="checkbox"/>
GAS	<input type="checkbox"/>
OPERATOR	<input type="checkbox"/>
PRORATION OFFICE	<input type="checkbox"/>

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and
Effective 1-1-65

RECEIVED

I. Operator EL PASO NATURAL GAS COMPANY

Address 1800 WILCO BUILDING - MIDLAND, TEXAS 79701

Reason(s) for filing (check proper box)

New Well ☒ Change in Transporter of ☐ Oil ☐ Dry Gas ☐
 Recombination ☐ Casinghead Gas ☐ Condensate ☐
 Change in Ownership ☐

Other (Please explain) GAS STORAGE WELL

If change of ownership give name
and address of previous owner _____

II. DESCRIPTION OF WELL AND LEASE

Lease Name WASHINGTON RANCH GAS STORAGE PROJECT 19 Well No. W1 Pool Name, Including Formation WASHINGTON RANCH/GAS POOL MORROW Kind of Lease FEDERAL

Location

Unit Letter C ; 687 Feet From The North Line and 2017 Feet From The West

Line of Section 34 , Township 25S Range 24E , NMPM, EDDY Coun

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☐ Address (Give address to which approved copy of this form is to be sent) _____

Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒ Address (Give address to which approved copy of this form is to be sent) ATTN: PRODUCTION CONTROL
EL PASO NATURAL GAS COMPANY P.O. BOX 1492, EL PASO, TEXAS 79788

If well produces oil or liquids, give location of tanks. Unit Sec. Twp. Rge. Is gas actually connected? When No

If this production is commingled with that from any other lease or pool, give commingling order number: _____

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Re
		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
Date Spudded <u>2-12-82</u>	Date Compl. Ready to Prod. <u>3-20-82</u>	Total Depth <u>7000</u>	P.B.T.D. <u>6940</u>					
Pool <u>WASHINGTON RANCH/GAS POOL MORROW</u>	Name of Producing Formation <u>MORROW</u>	Top Oil/Gas Pay <u>6750</u>	Tubing Depth <u>6823</u>					
Perforations <u>6750-6810</u>	Depth Casing Shoe							

TUBING, CASING, AND CEMENTING RECORD			
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
<u>12 1/4</u>	<u>9 5/8</u>	<u>822</u>	<u>700 sx Class C</u>
<u>8 3/4</u>	<u>7</u>	<u>6,982</u>	<u>500 sx Class H</u>
<u>6 1/8</u>	<u>2 7/8</u>	<u>6,823</u>	

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D <u>777</u>	Length of Test <u>24 hrs</u>	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.) <u>Back pressure</u>	Tubing Pressure <u>107 psi</u>	Casing Pressure <u>176 psi</u>	Choke Size <u>1/2</u>

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

John P. Deek
(Signature)
Supervisor Production Services
(Title)

July 2, 1982
(Date)

OIL CONSERVATION COMMISSION

JUL 28 1982

APPROVED _____ 19
BY W. A. Gussett
TITLE SUPERVISOR, DISTRICT II

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepen well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out Sections I, II, III, and VI only for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiple completed wells.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)
Artesia, NMForm approved
Budget Bureau No. 42-R355.6.

SF

COMMISSION

5. LEASE DESIGNATION AND SERIAL NO.

88210 22207

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

16. FARM OR LEASE NAME
WASHINGTON RANCH GAS
STORAGE PROJECT WT

9. WELL NO.

19

10. FIELD AND POOL, OR WILDCAT

WASHINGTON RANCH/GAS P

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

Sec 34, T-25-S, R-24-E

12. COUNTY OR PARISH

EDDY

13. STATE

NEW MEXICO

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other GAS STORAGE

1. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other RECEIVED

2. NAME OF OPERATOR

EL PASO NATURAL GAS COMPANY

3. ADDRESS OF OPERATOR

1800 WILCO BUILDING - MIDLAND, TEXAS 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface

687 ENL 16 2017 FWD

At top prod. interval reported below

At total depth

JUL 29 1982

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, REB, RT, OR, ETC.)* 19. ELEV. CASINGHEAD

2-12-82

3-7-82

3-20-82

3724 DF

3712

20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 24. ROTARY TOOLS 25. CABLE TOOLS

7000

6940

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

6750-6810

Morrow Clastics

25. WAS DIRECTIONAL SURVEY MADE

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

Comp Neutron/Dens, DIL, HBC Acoustilog, Prolog, CBL

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
9 5/8	32.30	822	12 1/4	700 sx Class "C"	None
7	23.00	6,982 "	8 3/4	500 sx Class "H"	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BAGS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8	6823	---

31. PERFORATION RECORD (Interval, size and number)

6750-6810 4 spf

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED

None

ACCEPTED FOR RECORD

33. PRODUCTION

DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)

NA

Flowing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
3-19-82	24	1/2	→	---	777	---	---
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
107 psi	176 psi	→	---	777	---	---	---

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

EPNG Pipeline

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

TITLE

DATE

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

El Paso EXPLORATION
COMPANY

1800 WILCO BUILDING
MIDLAND, TEXAS 79701

PHONE: 915-684-5701

RECEIVED

JUL 12 1982

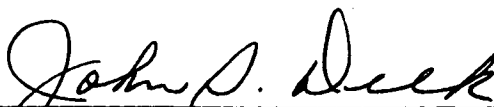
O. C. D.
ARIESIA, OFFICE

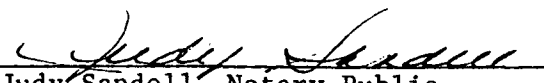
WASHINGTON RANCH STORAGE PROJECT NO. 19

Sec. 34, T-25-S, R-24-E
Eddy County, New Mexico

<u>DEPTH</u>	<u>HOLE SIZE</u>	<u>DEVIATION-DEGREES</u>
1,442	8 3/4"	3/4
1,943	8 3/4"	3/4
2,439	8 3/4"	3/4
2,933	8 3/4"	1 1/2
3,435	8 3/4"	1
3,957	8 3/4"	1 3/4
4,454	8 3/4"	2
4,464	8 3/4"	4
4,578	8 3/4"	4
4,671	8 3/4"	4 1/2
4,856	8 3/4"	3 1/4
5,012	8 3/4"	4 1/4
5,700	8 3/4"	5
6,225	8 3/4"	5
6,717	8 3/4"	4
7,000	8 3/4"	5

SWORN TO and SUBSCRIBED before me by John S. Delk on this the 11th
Day of June, 1982.


John S. Delk


Judy Sandell, Notary Public
State of Texas

My commission expires June 29, 1984

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

COMMISSION
OIL CONS.
Drawer DD
Artesia, NM

Form Approved.
Budget Bureau No. 42-R1424

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 ☐ Storage
2. NAME OF OPERATOR
El Paso Natural Gas Co.
3. ADDRESS OF OPERATOR
1800 Wilco Building; Midland, Texas 79701
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 687' FNL & 2017' FWL
AT TOP PROD. INTERVAL:
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 type="checkbox"/>

(other) Perforate & Rn tbg.

5. LEASE
88210 NM 22207
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
MAY - 6 1982
8. FARM OR LEASE NAME
O. C. D.
Washington Ranch Storage Project
9. WELL NO.
WI-Federal #19
10. FIELD OR WILDCAT NAME
Washington Ranch Morrow
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 34, T-25-S, R-24-E
12. COUNTY OR PARISH
Eddy
13. STATE
NM
14. API NO.
NA
15. ELEVATIONS (SHOW DF, KDB, AND WD)
3712' - GR

(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.)*

On 3/18/82, RU McCullough and perforated 6,804-6,810', 6,782-6,796', 6,768-6,778', 6,750-6,758', 4 spf, .5" holes (168) holes. Ran 2 7/8" 6.4#, J-55 tubing set @ 6,822.60'. Waiting on completion.

MAY 10 1982

Project approved by NMOC Order No. R-6175-A

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

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

SIGNED John D. Deek TITLE Suprv. Prod. Svc. DATE March 23, 1982

(This space for Federal or State office use)

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

ACCEPTED FOR RECORD

APR 27 1982

U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SF

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

El Paso Natural Gas Company

3. ADDRESS OF OPERATOR

1800 Wilco Bldg - Midland, Texas 79701

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 687' FNL & 2017' FWL

AT TOP PROD. INTERVAL:

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 ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

CHANGE ZONES ☐

ABANDON* ☐

(other) Spud & Drig Operations

RECEIVED
MAR 13 1982

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

U.S. GEOLOGICAL SURVEY
DOWNTOWN NEW MEXICO

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.)*

Spudded 12 1/4" hole on 2/12/82 at 10:30 PM, Young Drig. Rig No. 5. Drilled to 834' and ran 9 5/8", 32.3#, H-40 casing set @ 822.18'. Cemented w/500 sx C1 "C" and backsided w/50 sx C1 "C" cement. Job complete @ 10:45 AM, 2-14-82. Top of cement at surface. WOC 15 1/4 hrs and tested casing, test OK. Reduced hole to 8 3/4" and drilled to 7,000' and ran 7", 23#, N-80 Casing set @ 6,981.63'. Cemented with 500 sx C1 "H" cement. Job complete @ 12:30 PM, 3-8-82. Top of cement @ 5,280'. Released rig 3-8-82, WOC.

Project Approved by NMOCD Order No. R-6175-A

APR 06 1982

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

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

SIGNED

John S. Delek

TITLE

Supv. Prod. Svc.

DATE

3/12/82

ROGER A. CHAPMAN

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY

TITLE

DATE

U.S. GEOLOGICAL SURVEY
DOWNTOWN NEW MEXICO

*See Instructions on Reverse Side

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

Operator El Paso Natural Gas Co.			Lease Washington Ranch Storage Project		Well No. WI#19
Unit Letter C	Section 34	Township 25-S	Range 24-E	County West	

Actual Footage Location of Well:
687 feet from the **North** line and **2017** feet from the **West** line

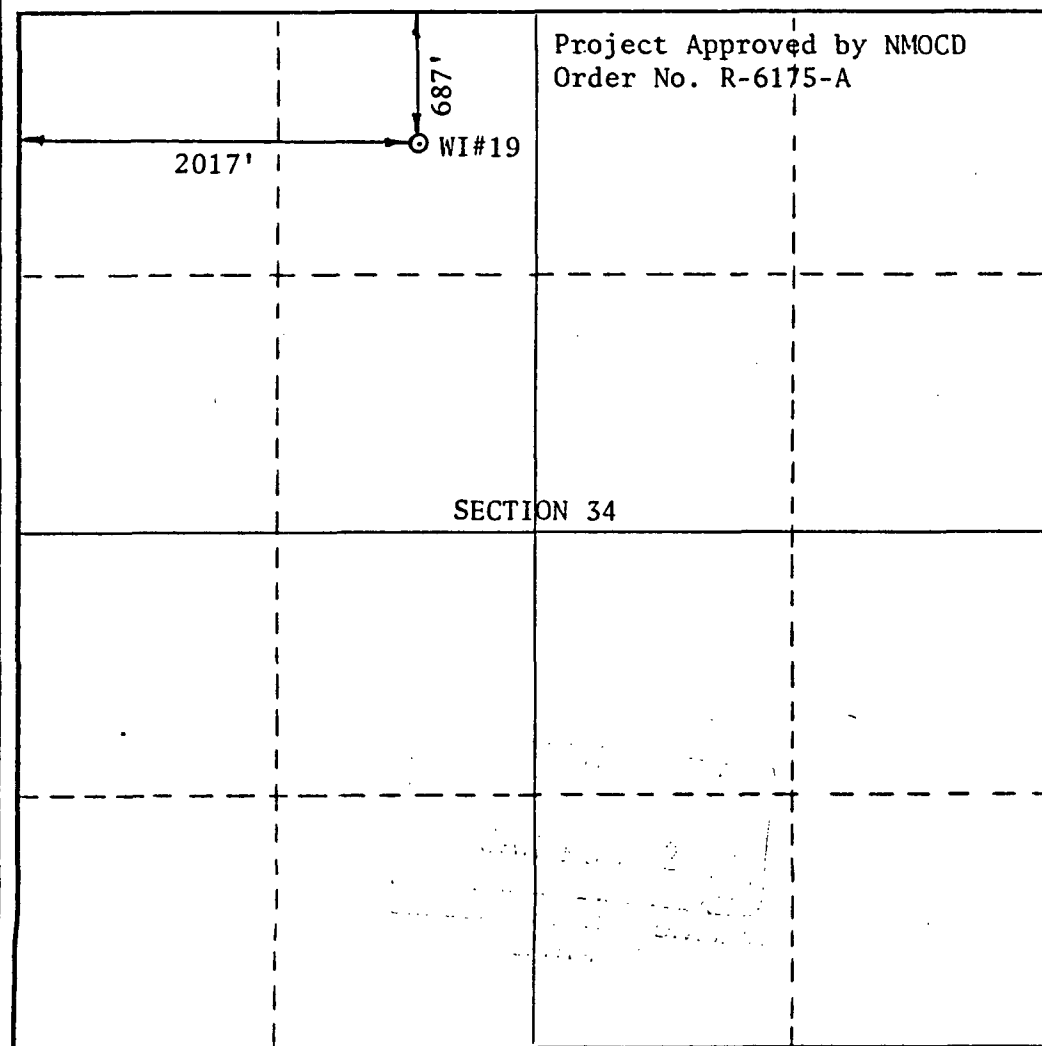
Ground Level Elev. 3712	Producing Formation Morrow	Pool Washington Ranch <i>Morrow</i>	Dedicated Acreage: N/A Acres
-----------------------------------	--------------------------------------	---	--

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. **NA**
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). **NA**
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc? **NA**

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name
G. D. Mickey

Position
Drilling Engineer

Company
El Paso Natural Gas Co.

Date
December 4, 1981

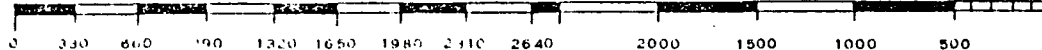
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
4-22-81

Registered Professional Engineer and/or Land Surveyor

[Signature]

Certificate No.
LS #1317



NM OIL CONS. COMMISSION
Drawer DD
ARTESIA, NM
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other Instructions on
reverse side)Form approved.
Budget Bureau No. 42-R14

30-01524051

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

Storage

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

El Paso Natural Gas Company ✓

RECEIVED

3. ADDRESS OF OPERATOR

1800 Wilco Building, Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface

687 FNL 2017 FWL

At proposed prod. zone

Same

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

6 miles SW Whites City, New Mexico

15. DISTANCE FROM PROPOSED*

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

NA

16. NO. OF ACRES IN LEASE

NA

17. NO. OF ACRES ASSIGNED
TO THIS WELL

NA

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

NA

19. PROPOSED DEPTH

±7,050

20. ROTARY OR CABLE TOOLS

Rotary

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

3712 GR

22. APPROX. DATE WORK WILL START

Feb, 1982

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
16"	13 3/8" cond	29.3 H-40	40'	30 cu ft. CIRCULATE
12 1/4"	9 5/8"	32.3 H-40	800'	630 cu. ft. to circulate
8 1/2"	7"	23.0 H-80	7,050'	1341 cu. ft.

Project approved by NMOCD Order No. R-6175-A.

Selectively perforate and treat the Morrow formation for gas storage.

A 300 psi W .P. and 6000 psi test double gate BOP with blind and pipe
rams will be used for blowout prevention.

DEC 30 1981

JAN 15 1982

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

TITLE

Drilling Engineer

DATE

December 4, 1981

(This space for Federal or State office use)

PERMIT NO.

APPROVED

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

JAN 7 1982

JAMES A. GILLHAM
DISTRICT SUPERVISOR

See Instructions On Reverse Side

COUNTY EDDY FIELD Washington Ranch STATE NM
 OPR EL PASO NATURAL GAS CO. API 30-015-24051
 NO 19 LEASE Washington Ranch Gas Storage Project MAP
Sec 34, T25S, R24E /"WI" Federal CO-ORD
687 FNL, 2017 FWL of Sec 8-2-48 NM
9 mi SW/White City SPD 2-13-82 CMP 3-19-82

CSC 9 5/8-822-700 sx 7-6982-500 sx 2 7/8-6823	WELL CLASS: INIT D FIN DG LSE. CODE			
	FORMATION	DATUM	FORMATION	DATUM
ID 7000 (MRRW)			PBD 6940	

IP (Morrow) Perfs 6750-6810 F 777 MCFGPD. Pot based on 24
 hr test thru 1/2 chk. GOR Dry; gty (Gas)(NR); CP 176; TP 107

PLC: El Paso Natural Gas Co.
 CONTR Young #5 OPRN 3712 GL sub-s 11

F.R. 1-11-82
 PD 7050 RT (Morrow)
 2-16-82 Drlg 944
 2-23-82 Drlg 4464
 3-3-82 Drlg 6657
 3-9-82 TD 7000; Prep Run Csg
 3-16-82 TD 7000; WOCU
 8-9-82 TD 7000; PBD 6940; Complete
 Perf (Morrow) 6750-58, 6768-78, 6782-96, 6804-10
 w/4 SPF
 Natural
 LOG TOPS: Delaware Sand 587, Cherry Canyon 1476,
 Bone Spring 3560, Wolfcamp 5540, Strawn 5722,
 Atoka 5972, Morrow Lime 6466, Morrow Clastics 6592
 LOGS RUN: CNDL, DILL, BHC, ACSL, CBND
 Will be used as Gas Storage Well
 8-14-82 COMPLETION ISSUED

8-2-48 NM
 IC 30-015-70001-82

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 ☐ gas ☐ other ☒ Gas Storage Well

2. NAME OF OPERATOR

El Paso Natural Gas Co. ✓

3. ADDRESS OF OPERATOR

1800 Wilco Bldg., Midland, Texas 79701

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 1052' FSL & 2055' FWL

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

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:

☐
☐
☐
☐
☐
☐
☐
☐
☐

RECEIVED BY

JUN 21 1984

O. C. D.

ARTESIA, OFFICE

15. ELEVATIONS (SHOW DF, KDB, AND WD)
GR 3721'

5. LEASE

NM-22207

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Washington Ranch Storage Project WJ

9. WELL NO.

23

10. FIELD OR WILDCAT NAME

Washington Ranch Morrow

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

Sec. 34, T-25-S, R-24-E

12. COUNTY OR PARISH

Eddy

13. STATE

N. Mexico

14. API NO.

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.)*

1.) Move in and Rig up workover unit, set tubing plug.

2.) Remove wellhead and install BOP.

3.) Pull production tubing with snubbing unit.

4.) Run permanent packer on wireline and set +100' above perfs.

5.) Run production tubing, circulate treated packer fluid.

6.) Land tubing with latch in sub in packer, remove BOP, install wellhead.

7.) Remove tubing plug, release workover unit, return to service.

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

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

SIGNED

David E. Myer

TITLE Sr. Production Eng. DATE June 15, 1984

(This space for Federal or State office use)

APPROVED BY

P. E. Pitcher

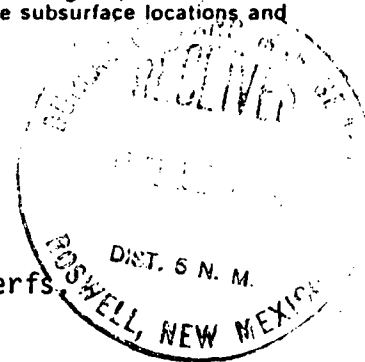
TITLE

P. E.

DATE

6/20/84

CONDITIONS OF APPROVAL, IF ANY:



UNITED STATES

NEW OIL CONSERV. DEPARTMENT OF THE INTERIOR
 DRAWER DD
 ARTESIA, NM 88210

GEOLOGICAL SURVEY

RECEIVED BY

SUNDRY NOTICES AND REPORTS ON WELLS

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

ARTESIA, OFFICE

1. oil ☐ gas ☐ other ☐ Storage

2. NAME OF OPERATOR
 El Paso Natural Gas Co.

3. ADDRESS OF OPERATOR
 1800 Wilco Bldg. Midland, Tx 79701

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
 AT SURFACE: 1052' FSL & 2055' FWL
 AT TOP PROD. INTERVAL:
 AT TOTAL DEPTH:

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:

☐
☐
☐
☒
☐
☐
☐
☐

RECEIVED
 SEP 17 1984
 OIL CONSERVATION DIVISION

5. LEASE
 NM-22207

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Washington Ranch Storage Project

9. WELL NO.

23

10. FIELD OR WILDCAT NAME

Washington Ranch Morrow

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

Sec. 34, T-25-S, R-24-

12. COUNTY OR PARISH | 13. STATE
 Eddy | NM

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
 GR 3721'

(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 sectionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

7-13/8-16/84

- 1.) Set tubing plug, attempt to rig up 5000 psi hyd. BOP, found tbg hanger not locked into wellhead.
- 2.) Perforate tubing above plug, kill well with 2% kcl water and Western Co. High Friction gel. Install 5000 psi hyd. BOP.
- 3.) Pull and lay down 2 7/8" production tubing, repair and redress "B" section of wellhead.
- 4.) RU wireline unit and set Baker Model FA-1 permanent packer at 6615' WLM with blanking plug below packer.
- 5.) Load 7" csg with water and pressure test to 3000 psig.
- 6.) Run 4 1/2" 11.6# K-55 tubing with Baker K-22 latch in Seal Assembly, circulate packer fluid, latch into packer. Nipple down BOP, Nipple up Wellhead.
- 7.) Pressure test tubing to 3000 psi, retrieve blanking plug, return to service.

Subsurface Safety Valve: Manu. and Type

Set @ _____ Ft.

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

SIGNED

TITLE Area Prod. Eng.

DATE

9-10-84

ACCEPTED FOR RECORD

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL IF ANY

SEP 12 1984

Calabro

NEW MEXICO

*See Instructions on Reverse Side

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SANTA FE	
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LAND OFFICE	
TRANSPORTER	OIL GAS
OPERATOR	
PRORATION OFFICE	

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and
Effective 1-1-65

RECEIVED

JUL 29 1982

JUL 12 1982

EL PASO NATURAL GAS COMPANY

OIL CONSERVATION DIVISION
SANTA FE

O. C. D.
ARTESIAN OFFICE

1800 WILCO BUILDING - MIDLAND, TEXAS 79701

Reason(s) for filing (check proper box)

New Well ☒
Recompletion ☐
Change in Ownership ☐

Change in Transporter of:
Oil ☐
Casinghead Gas ☐

Dry Gas ☐
Condensate ☐

Other (Please explain)

GAS STORAGE WELL

If change of ownership give name
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name WASHINGTON RANCH GAS STORAGE PROJECT	Well No. 23	Pool Name, including Formation WASHINGTON RANCH/GAS POOL MORROW	Kind of Lease State, Federal or Fee FEDERAL
Location Unit Letter <u>N</u> ; <u>1052</u> Feet From The <u>South</u> Line and <u>2055</u> Feet From The <u>West</u> Line of Section <u>34</u> , Township <u>25S</u> Range <u>24E</u> , NMPM, <u>EDDY</u> Coun.			

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
EL PASO NATURAL GAS COMPANY	ATTN: PRODUCTION CONTROL P. O. BOX 1492, EL PASO, TEXAS 79788
If well produces oil or liquids, give location of tanks.	Is gas actually connected? When
	No

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v. Diff. Res
			X				
Date Spudded 3-9-82	Date Compl. Ready to Prod. 4-14-82	Total Depth 7000	P.B.T.D. 6920				
Pool WASHINGTON RANCH/GAS POOL	Name of Producing Formation MORROW	Top Oil/Gas Pay 6730	Tubing Depth 6917				
Perforations 6730 - 6704			Depth Casing Shoe 7000.55'				
TUBING, CASING, AND CEMENTING RECORD							
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT				
12 1/4	9 5/8	812	500 sx C1 C				
8 3/4	7	7000.55'	500 sx C1 H				
6 1/8	2 7/8	6917					

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top all able for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D 3369	Length of Test 24 hrs	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure	Casing Pressure	Choke Size
Back pressure	527 psi	619 psi	1/2"

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

John D. Deek
(Signature)

Supervisor Production Services
(Title)

7-2-82
(Date)

OIL CONSERVATION COMMISSION

APPROVED

JUL 28 1982

BY

W. A. Gussitt
SUPERVISOR, DISTRICT II

TITLE

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviate tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out Sections I, II, III, and VI only for changes of owner well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiple completed wells.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN DUPLICATE
(See instructions on reverse side)NM OIL CONS. COMMISSION
Form approved
Budget Bureau No. 42-R355.5

SF

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other GAS STORAGE

2. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. ESSE. ☐ Other JUL 23 1982

3. NAME OF OPERATOR

EL PASO NATURAL GAS COMPANY ✓

4. ADDRESS OF OPERATOR

1800 WILCO BUILDING - MIDLAND, TEXAS 79701

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface

1052' FSL & 2055' FWL

At top prod. interval reported below

At total depth

JUL 29 1982

14. PERMIT NO.

DATE ISSUED

15. DATE SPUNDED

3-9-82

16. DATE T.D. REACHED

3-26-82

17. DATE FIRST PROD. (Ready to prod.)

4-14-82

18. ELEVATIONS (DF, RBB, ST, GR, ETC.)*

3733

19. ELEV. CASINGHEAD

3721

20. TOTAL DEPTH, MD & TVD

7000

21. PLUG, BACK T.D., MD & TVD

6920

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

X

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

6730-6904

25. WAS DIRECTIONAL SURVEY MADE

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

Comp Neutron/Density, DIL, BHC Acoustilog, Computer log, CBL

27. WAS WELL CORED

No

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

CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8	32.30	812	12 1/4	500 sx C1 C	None
7	23.00	7000.55'	8 3/4	500 sx C1 H	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8	6917	

31. PERFORATION RECORD (Interval, size and number)

6730-6904 4 spf

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
None	

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				ROSWELL, NEW MEXICO		WELL STATUS (Producing or shut-in)	
NA		Flowing						SI	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO		
4-14-82	24 hrs	1/2"	→	---	3369	----	----		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)			
527 psi	619 psi	→	-----	3369	-----	-----			

34. DISPOSITION OF GAS (Solid, used for fuel, vented, etc.)

EPNG pipeline

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

John S. Deek

TITLE

Supervisor Prod. Serv.

DATE

6-29-82

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

El Paso EXPLORATION
COMPANY

1800 WILCO BUILDING
MIDLAND, TEXAS 79701
PHONE: 915-684-5701

RECEIVED

WASHINGTON RANCH STORAGE PROJECT NO. 23

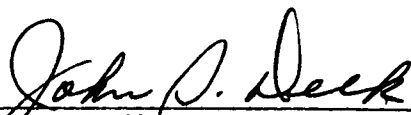
JUL 12 1982

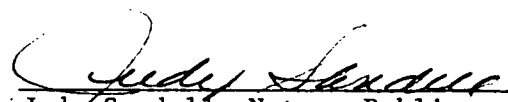
Sec. 34, T-25-S, R-24-E
Eddy County, New Mexico

O. C. D.
ARTESIA, OFFICE

<u>DEPTH</u>	<u>HOLE SIZE</u>	<u>DEVIATION-DEGREES</u>
908	8 3/4"	3/4
1,404	8 3/4"	3/4
1,903	8 3/4"	1
2,400	8 3/4"	3/4
2,899	8 3/4"	1 1/4
3,399	8 3/4"	1 1/4
3,994	8 3/4"	3/4
4,517	8 3/4"	2 3/4
4,736	8 3/4"	1
5,232	8 3/4"	1 1/2
5,729	8 3/4"	1/2
6,132	8 3/4"	1
6,689	8 3/4"	1 1/4
7,000	8 3/4"	1

SWORN TO and SUBSCRIBED before me by John S. Delk on this the 11th
Day of June, 1982.


John S. Delk


Judy Sandell, Notary Public
State of Texas

My commission expires June 29, 1984

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 _____ Storage _____
2. NAME OF OPERATOR
El Paso Natural Gas Co. ✓
3. ADDRESS OF OPERATOR
1800 Wilco Bldg.; Midland, Texas 79701
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1052' FSL & 2055' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

- | | |
|----------------------|--------------------------|
| TEST WATER SHUT-OFF | <input type="checkbox"/> |
| FRACTURE TREAT | <input type="checkbox"/> |
| SHOOT OR ACIDIZE | <input type="checkbox"/> |
| REPAIR WELL | <input type="checkbox"/> |
| PULL OR ALTER CASING | <input type="checkbox"/> |
| MULTIPLE COMPLETE | <input type="checkbox"/> |
| CHANGE ZONES | <input type="checkbox"/> |
| ABANDON* | <input type="checkbox"/> |

(other) Drlg Operations

SUBSEQUENT REPORT OF:

- | | | | | | | |
|--|--|--|--|--|--|--|
| | | | | | | |
|--|--|--|--|--|--|--|

MAY 04 1982

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

CONSERVATION DIVISION
SANTA FE

Aug 19 1982

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.)*

Drilled to 7,000' and ran 7", 23#, N-80 casing set @ 7,000'. Cemented with 500 sx. Class "H" cement. Plug down at 2 AM, 3-27-82. Top of cement @ 3,400'. Released rig @ 6 AM, 3-27-82. RU McCullough and perforated 6,834-6,842'; 6,788-6,796'; 6,730-6,738'. 4 spf, .5" holes, (108) holes. Ran 2 7/8", 6.5# J-55 tubing set @ 6,916.58'. Waiting on completion.

Project approved by NMOCD Order No. R-6175-A

Subsurface Safety Valve: Manu. and Type

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

SIGNED John J. Kelly TITLE Supv. Prod. Svc. DATE _____

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE _____

ACCEPTED FOR RECORD

APR 20 1982

U.S. GEOLOGICAL SURVEY
April 15, 1982
POSWELL, NEW MEXICO

UNITED STATES ~~IN OIL CONS. COMMISSION~~
DEPARTMENT OF THE INTERIOR ~~DAVET DD~~
GEOLOGICAL SURVEY ~~Artesia, NM 88210~~

SF

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 Storage

2. NAME OF OPERATOR

El Paso Natural Gas Company ✓

3. ADDRESS OF OPERATOR

1800 Wilco Bldg. - Midland, Texas 79701

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 1052' FSL # 2055' FWL

AT TOP PROD. INTERVAL:

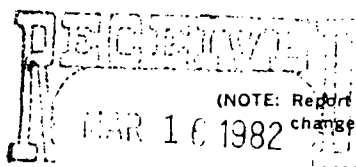
AT TOTAL DEPTH:

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) Spud & drlg. Operation

SUBSEQUENT REPORT OF:



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

OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

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.)*

Spudded 12½" hole on 3-8-82 at 5:00 a.m., Young Drilling Rig No. 5. Drilled to 812' and ran 9 5/8", 32.3#, H-40 casing set at 811.12'. Cemented with 500 sxs. Cl. "C" cement and circulated 50 sxs. to surface. Job complete at 11:45 p.m. 3-9-82. Top of cement at surface. WOC 9½ hours and tested casing 900 psi, test OK. Reduced hole to 8 3/4" and resumed drilling operations.

Project Approved by NMOCD Order No. R-6175-A

Subsurface Safety Valve: Manu. and Type _____

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

SIGNED

TITLE

Suprv. Prod. Svcs.

DATE

March 12, 1982

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, FOR RECORD
ROGER A. CHAPMAN

TITLE

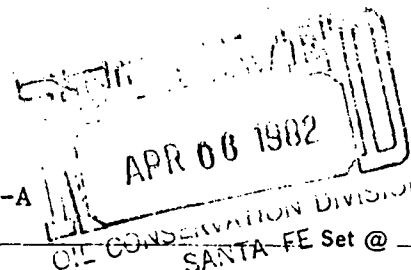
DATE

MAR 19 1982

*See Instructions on Reverse Side

U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

5. LEASE NM 22207		APR 2 1982
6. IF INDIAN, ALLOTTEE OR TRIBE NAME O. C. D.		
7. UNIT AGREEMENT NAME		ARTESIA, OFFICE
8. FARM OR LEASE NAME Washington Ranch Storage Project <u>WI</u>		
9. WELL NO. W-1 Federal #23		
10. FIELD OR WILDCAT NAME Washington Ranch <u>Morrow</u>		
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 34, T-25-S, R-24-E		
12. COUNTY OR PARISH Eddy	13. STATE New Mexico	
14. API NO. NA		
15. ELEVATIONS (SHOW DF, KDB, AND WD) GR 3721.0		



**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

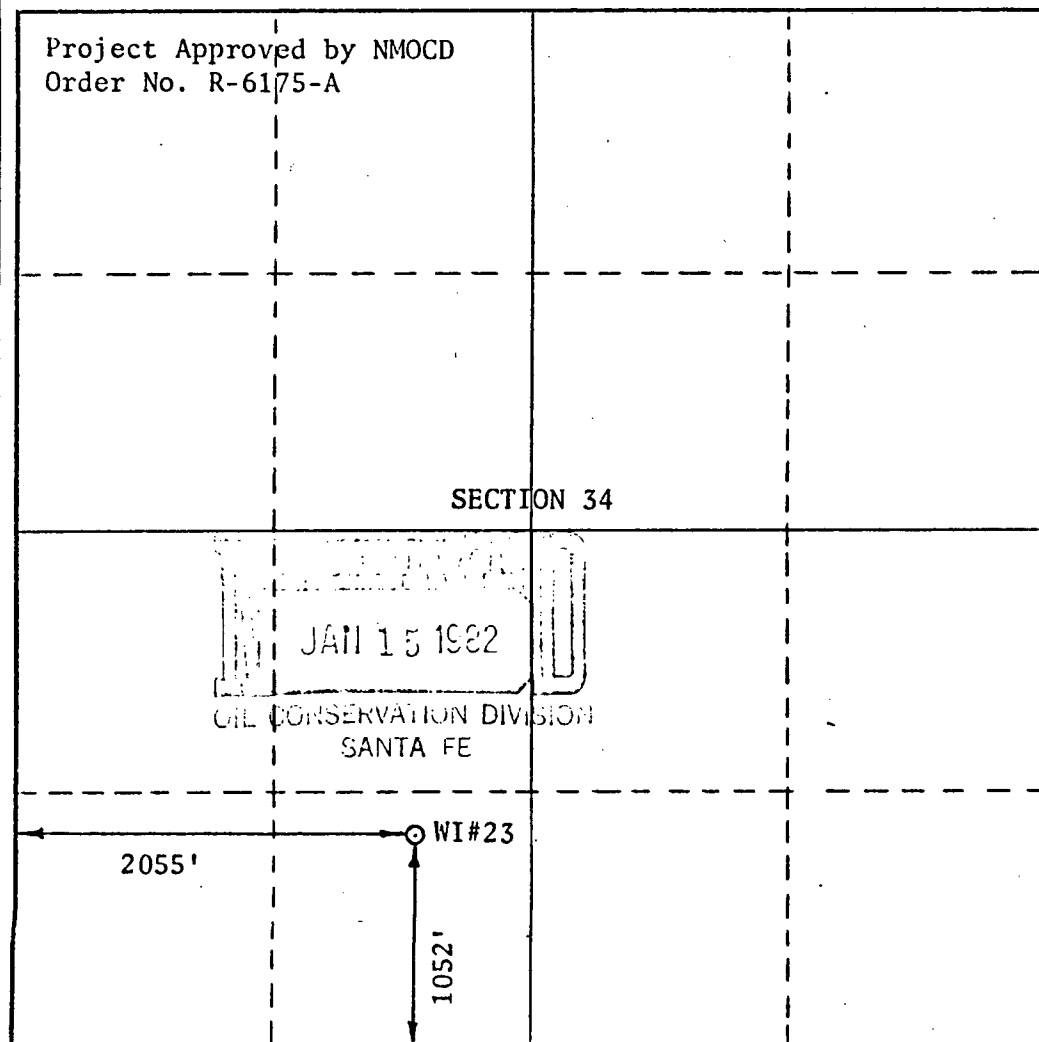
Operator El Paso Natural Gas Co.			Lease Washington Ranch Storage Project		Well No. WI#23
Unit Letter N	Section 34	Township 25-S	Range 24-E	County Eddy County, New Mexico	
Actual Footage Location of Well:					
1052		feet from the South	line and	2055	feet from the West line
Ground Level Elev. 3721	Producing Formation Morrow		Pool Washington Ranch Morrow		Dedicated Acreage: N/A Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. NA
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). NA
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc? NA

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

G. D. Mickey
Name
G. D. Mickey

Position
Drilling Engineer

Company
El Paso Natural Gas Co.

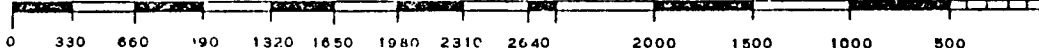
Date
December 4, 1981

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
4-23-81

Registered Professional Engineer
and/or Land Surveyor

E. J. Montell
Certificate No.
LS #1317



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-015-24055

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 Storage

SINGLE ZONE ☒

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

El Paso Natural Gas Company

3. ADDRESS OF OPERATOR

1800 Wilco Building, Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

1052 FSL, 2055 FWL

At proposed prod. zone

Same

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

6 miles SW Whites City, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

NA

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

NA

16. NO. OF ACRES IN LEASE

NA

19. PROPOSED DEPTH

± 7,050'

17. NO. OF ACRES ASSIGNED TO THIS WELL

NA

20. ROTARY OR CABLE TOOLS

Rotary

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

3721 GR

22. APPROX. DATE WORK WILL START*

March, 1982

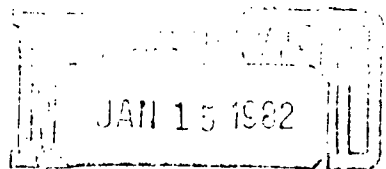
23.

PROPOSED CASING AND CEMENTING PROGRAM

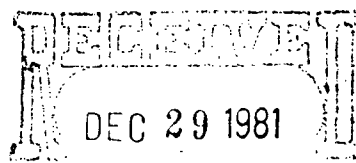
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
16"	13 3/8" Cond.	29.3 H-40	40'	30 cu. ft. CIRCULATE
12 1/4"	9 5/8"	32.3 H-40	800'	630 cu. ft. to circulate
8 1/2"	7"	23.0 H-80	7,050'	1341 cu. ft.

Project approved by NMOCDC Order No. R-6175-A.

Selectively perforate and treat the Morrow formation for gas storage. A 3000 psi W.P. and 6000 psi test double gate BOP with blind and pipe rams will be used for blowout prevention.



OIL CONSERVATION DIVISION
SANTA FE



OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout prevention program, if any.

24.

SIGNED

[Signature]

TITLE

Drilling Engineer

DATE

Dec. 4, 1981

(This space for Federal or State office use)

PERMIT NO.

APPROVED

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

JAN 7 1982

JAMES A. GILLHAM
DISTRICT SUPERVISOR

*See Instructions On Reverse Side

COUNTY **EDDY** FIELD **Washington Ranch** STATE **NM**
 OPR **EL PASO NATURAL GAS CO.** API **30-015-24055**
 NO **23** LEASE **Washington Ranch Gas Storage Project** MAP
Sec 34, T25S, R24E /"WI" Federal CO-ORD
1052 FSL, 2055 FWL of Sec **6-4-45 NM**
9 mi SW/White City SPD **3-9-82** CMP ***4-14-82**
 CSC
9 5/8-811-500 sx
7-7000-500 sx
***2 7/8-6917**
 WELL CLASS: INIT D FIN *DGLSE. CODE

FORMATION	DATUM	FORMATION	DATUM
ID 7000 (MRRW)		PBD 6920	

***IP (Morrow) Perfs 6730-6904 F 3369 MCFGPD. Pot based on**
24 hr test thru 1/2 Chk. GOR Dry; gty (Gas) (NR); CP 619;
TP 527
***PLC: El Paso Natural Gas Co.**
 CONTR **Young *5** OPRSLIV **3721 GL 3733 KB** sub-s **11**

F.R. 1-11-82
 PD 7050 RT (Morrow)
 3-9-82 Drlg 69
 3-16-82 Drlg 4483
 3-23-82 Drlg 6630
 3-31-82 TD 7000; WOCU
 4-13-82 TD 7000; Rng Tbg
 8-9-82 TD 7000; PBD 6920; Complete
 *Perf (Morrow) 6730-6904 w/4 SPF
 *Natural
 *LOG TOPS: Delaware Sand 550, Cherry Canyon
 1468, Bone Spring 3602, Wolfcamp 5526, Strawn
 5719, Atoka 5970, Morrow Lime 6544, Morrow Clastics
 6664
 *LOGS RUN: CNDL, DI, GRL, AVL, DILL, BHC, ACSL,
 CBND, CANL
 BHT 120 deg @ 6999
 *Will be used as Gas Storage Well
 6-5-45 NM

EDDY
EL PASO NATURAL GAS
CO.

Washington Ranch
23 Washington Ranch Gas
Storage Project "WI"
Federal
Sec 34, T25S, R24E

NM
Page #2

8-9-82

Continued
*Denotes changes & additions

6-26-82
8-14-82

TEMPORARY COMPLETION ISSUED
RE-ISSUE OF SUSPENDED COMPLETION

6-4-45 NM
IC 30-015-70004-82

Dec. 1973

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.)

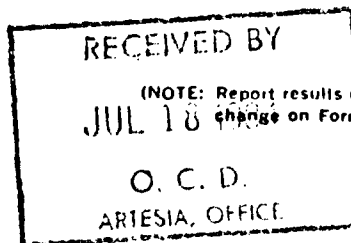
1. oil ☐ well gas ☐ well other Gas Storage
2. NAME OF OPERATOR
El Paso Natural Gas Co.
3. ADDRESS OF OPERATOR
1800 Wilco Bldg., Midland, Tx 79701
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 950' FNL & 950' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:
16. CHECK APPROPRIATE 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:

- ☐
☐
☒
☐
☐
☐
☐
☐



5. LEASE
NM-22207
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Washington Ranch Storage Project
9. WELL NO.
22
10. FIELD OR WILDCAT NAME
Washington Ranch Morrow
11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 34, T-25-S, R-24-E
12. COUNTY OR PARISH
Eddy
13. STATE
N. Mex
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)
GR 3727'

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.)
6-26/7-11, 1984

- 1.) Set tubing plug. RU and install 5000 psi hydraulic BOP.
- 2.) Rig up Snubbing unit, pull and lay down 2 7/8" production tubing.
- 3.) RU wireline unit and set Baker Model FA-1 permanent packer at 6530' wlm, with blanking plug below packer.
- 4.) Load 7" casing with water and pressure test to 3000 psig.
- 5.) Run 4 1/2" 11.6# K-55 tubing with Baker K-22 latch in seal assembly, circulate inhibited packer fluid, latch into packer.
- 6.) Nipple down BOP, Nipple up wellhead.
- 7.) Pressure test tubing to 3000 psig. Retrieve Blanking Plug, return to service.

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

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

SIGNED David E. Nguyen TITLE Area Prod. Eng. DATE 7-13-84

ACCEPTED FOR RECORD (This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL Submittal

JUL 16 1984

Carla

NEW MEXICO

*See Instructions on Reverse Side

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 ☒ Gas Storage Well

2. NAME OF OPERATOR

El Paso Natural Gas Co.

3. ADDRESS OF OPERATOR

1800 Wilco Bldg., Midland, Texas 79701

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 950' FNL & 950' FWL

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

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:

☐

☐

☐

☐

☐

☐

☐

☐

RECEIVED BY

JUN 2 1984

O. C. D.
ARTESIA, OFFICE

5. LEASE

NM-22207

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Washington Ranch Storage Project

9. WELL NO.

22

10. FIELD OR WILDCAT NAME

Washington Ranch Morrow

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

Sec 34, T-25-S, R-24-E

12. COUNTY OR PARISH

Eddy

13. STATE

N. Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
GR 3727'

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.)*

1.) Move in and Rig up workover unit, set tubing plug.

2.) Remove wellhead and install BOP.

3.) Pull production tubing with snubbing unit.

4.) Run permanent packer on wireline and set +100' above perforations.

5.) Run production tubing, circulate treated packer fluid.

6.) Land tubing with latch in sub in packer, remove BOP, install wellhead.

7.) Remove tubing plug, release workover unit, return to service.

Subsurface Safety Valve: Manu. and Type

Set @ _____ Ft.

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

SIGNED

David E. Myer

TITLE Sr. Production Eng.

DATE June 15, 1984

APPROVED BY

R. B. Bittaker

TITLE

P.E.

DATE

6/20/84

CONDITIONS OF APPROVAL, IF ANY:

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	<input checked="" type="checkbox"/>
FILE	<input type="checkbox"/>
U.S.G.S.	<input type="checkbox"/>
LAND OFFICE	<input type="checkbox"/>
TRANSPORTER	OIL <input type="checkbox"/> GAS <input type="checkbox"/>
OPERATOR	<input type="checkbox"/>
PRORATION OFFICE	<input type="checkbox"/>

**NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS**

Form C-104
Supersedes Old C-104 a
Effective 1-1-65

RECEIVED

JUL 29 1982

JUL 12 1982

Operator

EL PASO NATURAL GAS COMPANY ✓

Address

1800 WILCO BUILDING - MIDLAND, TEXAS 79701

Reason(s) for filing (Check proper box)

New Well ☒

Recompletion ☐

Change In Ownership ☐

Change in Transporter of:

Oil ☐

Casinghead Gas ☐

Dry Gas ☐

Condensate ☐

Other (Please explain)

GAS STORAGE WELL

If change of ownership give name
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease
WASHINGTON RANCH GAS STORAGE PROJECT	22	WASHINGTON RANCH/GAS POOL MORROW	State, Federal or Fee FEDERAL
Location			
Unit Letter	D	950 Feet From The	North Line and 950 Feet From The West
Line of Section	34	Township	25S Range 24E, NMPM, EDDY Co

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
EL PASO NATURAL GAS COMPANY	ATTN: PRODUCTION CONTROL P. O. BOX 1492, EL PASO, TEXAS 79788
If well produces oil or liquids, give location of tanks.	Is gas actually connected? When
	No

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. F
		X	X					
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
5-2-82	6-10-82	7000'	6967'					
Pool	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth					
WASHINGTON RANCH/GAS POOL MORROW		6673	6854					
Perforations			Depth Casing Shoe					
6673-6834			6973					

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

NM OIL CONS. COMMISSION
(See other instructions on reverse side)Form Approved
Budget Bureau No. 42-R355.6

5F

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other GAS STORAGE

2. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVL. ☐ Other

3. NAME OF OPERATOR

EL PASO NATURAL GAS COMPANY ✓

4. ADDRESS OF OPERATOR

1800 WILCO BUILDING - MIDLAND, TEXAS 79701A OFF.

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface

950' FNL & 950' FWL

At top prod. interval reported below

At total depth

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NM 22207

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
WASHINGTON RANCH GAS
STORAGE PROJECT WJ

9. WELL NO.

22

10. FIELD AND POOL, OR WILDCAT

WASHINGTON RANCH/GAS P

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

Sec 34, T-25-S, R-24-E

12. COUNTY OR PARISH
EDDY

13. STATE

NEW MEXICO

15. DATE SPUDDED

5-2-82

16. DATE T.D. REACHED

5-27-82

17. DATE COMPL. (Ready to prod.)

SANTA FE 6-10-82

18. ELEVATIONS (DF, RES, RT, GR, ETC.) *

3739'

19. ELEV. CASINGHEAD

3727'

20. TOTAL DEPTH, MD & TVD

7000'

21. PLUG, BACK T.D., MD & TVD

6967'

22. IF MULTIPLE COMPL., HOW MANY *

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

X

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) *

6673'-6834'

25. WAS DIRECTIONAL SURVEY MADE

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

Comp Neutron/Density, BHC Acoustilog, DIL, Prolog, CBL

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
9 5/8	32.30	797'	12 1/4	600 SX C1 C	None
7	23.00	6973'	8 3/4	500 SX C1 H	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT *	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8	6854'	

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

6673-6834' 4 spf (208 shots)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
None	ACCEPTED FOR RECORD

33. PRODUCTION

DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)

NA

Flowing

U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
6-11-82	24 hrs	32/64"	→	---	3011	---	---
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
486 psi	627 psi	→	---	3011	---	---	---

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

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

John P. Deek

TITLE Supv. Prod. Svc.

DATE 7-2-82

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

El Paso EXPLORATION
COMPANY

1800 WILCO BUILDING
MIDLAND, TEXAS 79701

PHONE: 915-684-5701

RECEIVED

JUL 12 1982

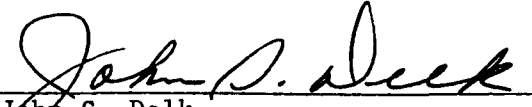
WASHINGTON RANCH STORAGE PROJECT NO. 22

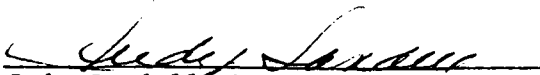
Sec. 34, T-25-S, R-24-E
Eddy County, New Mexico

O. C. D.
ARTESIA OFFICE

<u>DEPTH</u>	<u>HOLE SIZE</u>	<u>DEVIATION-DEGREES</u>
888	8 3/4"	2 1/2
984	8 3/4"	1 1/4
1,409	8 3/4"	3/4
1,782	8 3/4"	1
2,281	8 3/4"	2
2,874	8 3/4"	1
3,372	8 3/4"	3/4
4,000	8 3/4"	3
4,303	8 3/4"	2 1/2
4,658	8 3/4"	1 3/4
4,907	8 3/4"	3
5,424	8 3/4"	1 1/2
6,038	8 3/4"	2 1/4
6,295	8 3/4"	2
6,512	8 3/4"	1 3/4
6,707	8 3/4"	2 1/2
7,000	8 3/4"	2 1/2

SWORN TO and SUBSCRIBED before me by John S. Delk on this the 11th
Day of June, 1982.


John S. Delk


Judy Sandell, Notary Public
State of Texas

My commission expires June 29, 1984

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYOIL & GAS
CONSERVATION COMMISSION

Budget Bureau No. 42-R1424

SF

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 Storage

JUL 2 1982

2. NAME OF OPERATOR

El Paso Natural Gas Co. ✓

O & G
ARTESIA OFFICE

3. ADDRESS OF OPERATOR

1800 Wilco Bldg.; Midland, Texas 79701

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 950' FNL & 950' FWL

AT TOP PROD. INTERVAL:

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 ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐CHANGE ZONES ☐ABANDON* ☐

(other) Spud & Drlg. Operations

5. LEASE

NM 22207

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Washington Ranch Storage Project

9. WELL NO.

WI Federal #22

10. FIELD OR WILDCAT NAME

Washington Ranch

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

Sec. 34, T-25-S, R-24-E

12. COUNTY OR PARISH 13. STATE

Eddy

NM

14. API NO.

NA

15. ELEVATIONS (SHOW DF, KDB, AND WD)

GR 3718

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

RECEIVED
JUL 3 1982

OIL & GAS

GEOLOGICAL SURVEY

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.)*

On 5-2-82 spudded 12 1/4" hole @ 7 PM, Young Drlg Rig No. 5. Drilled to 820' and ran 9 5/8", 32.3#, H-40 casing set @ 796'. Cemented with 500 sx Class "C" cement. Cemented backside with 600 sx Class "C" cement and followed by 6 yds of Redi-Mix to surface. WOC 21 hrs and tested casing to 800 psi, test OK. Top of cement at surface. Reduced hole to 8 3/4" and drilled to 7000' and ran 7", 23#, N-80 casing set @ 6972.52'. Cemented with 500 sx Class "H" cement and plug down at 1 AM, 5-28-82. Top of cement at 3510'. Released rig @ 8 PM, 5-28-82. Waiting on completion.

Project approved by NMOCD Order No. R-6175-A
Subsurface Safety Valve: Manu. and Type

Set @

Ft.

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

SIGNED

John D. Seel

TITLE Supv. Prod. Svc. DATE June 3, 1982

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD

JUL 1 1982

U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

*See Instructions on Reverse Side

**NEW MEXICO OIL CONVEYANCE COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form O-1
Supersedes O-120
Effective 1-1-77

All distances must be from the outer boundaries of the Section

Operator El Paso Natural Gas Co.			Lease Washington Ranch Storage Project		Well No. #22
Section D	Township 34	Range 25-S	County 24-E	Eddy County, New Mexico	
Actual Well Location of Well:					
347		North		497	
feet from the		line and		feet from the	
				West	
Ground Level Elev. 3745'	Producing Formation Morrow	Pool Washington Ranch	Dedicated Acreage N/A		

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

<p>347' 497' WI #22</p>	<p>PROJECT APPROVED BY NMOCD ORDER NO. R-6175-A</p>

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

G. D. Mickey
G. D. Mickey

Name
Drilling Engineer

Position
El Paso Natural Gas Co.

Company
December 4, 1981

Date

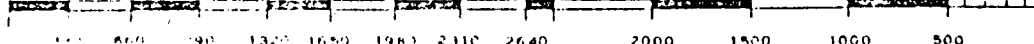
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
11/18/81

Registered Professional Engineer
and/or Land Surveyor

Earl R. Whitcomb
Earl R. Whitcomb

Certificate No.
LS #1317



NM OIL CONS. COMMISSION
Drawer DD
Artesia, NM 88210
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)Form approved.
Budget Bureau No. 42-R1425.

30-015-24054

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 Storage

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

El Paso Natural Gas Company ✓

3. ADDRESS OF OPERATOR

1800 Wilco Building, Midland, Texas

RECEIVED
79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

347 FNL, 497 FWL

JAN 11 1982

At proposed prod. zone

Same

O. C. D.

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

6 miles SW Whites City, New Mexico

ARTESIA, OFFICE

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drilg. unit line, if any)

NA

16. NO. OF ACRES IN LEASE

NA

17. NO. OF ACRES ASSIGNED
TO THIS WELL

NA

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

NA

19. PROPOSED DEPTH

± 7,050'

20. ROTARY OR CABLE TOOLS

Rotary

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

3745 GR

22. APPROX. DATE WORK WILL START*

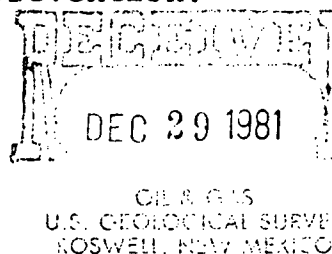
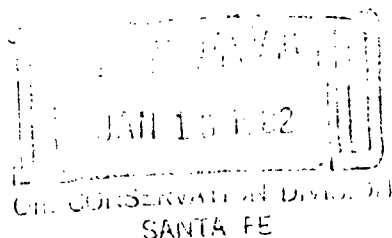
March, 1982

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
16"	13 3/8" Cond.	29.3 H-40	40'	30 cu. ft.
12 1/4"	9 5/8"	32.3 H-40	800'	630 cu. ft. to circulate
8 1/2"	7"	23.0 H-80	7,050'	1341 cu. ft.

Project approved by NMOCDC Order No. R-6175-A.

Selectively perforate and treat the Morrow formation for gas storage.
A 3000 psi W.P. and 6000 psi test double gate BOP with blind and pipe
rams will be used for blowout prevention.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout prevention program, if any.

24.

SIGNED

ED Miskay

TITLE

Drilling Engineer

DATE

Dec. 4, 1981

(This space for Federal or State office use)

PERMIT NO.

APPROVED

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

JAN 7 1982

JAMES A. GILLHAM
DISTRICT SUPERVISOR

TITLE

DATE

*See Instructions On Reverse Side

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-4-65

All distances must be from the outer boundaries of the Section.

Operator El Paso Natural Gas Company			Lease Washington Ranch Storage Project		Well No. WI #22
Unit Letter D	Section 34	Township 25-S	Range 24-E	County Eddy County, New Mexico	

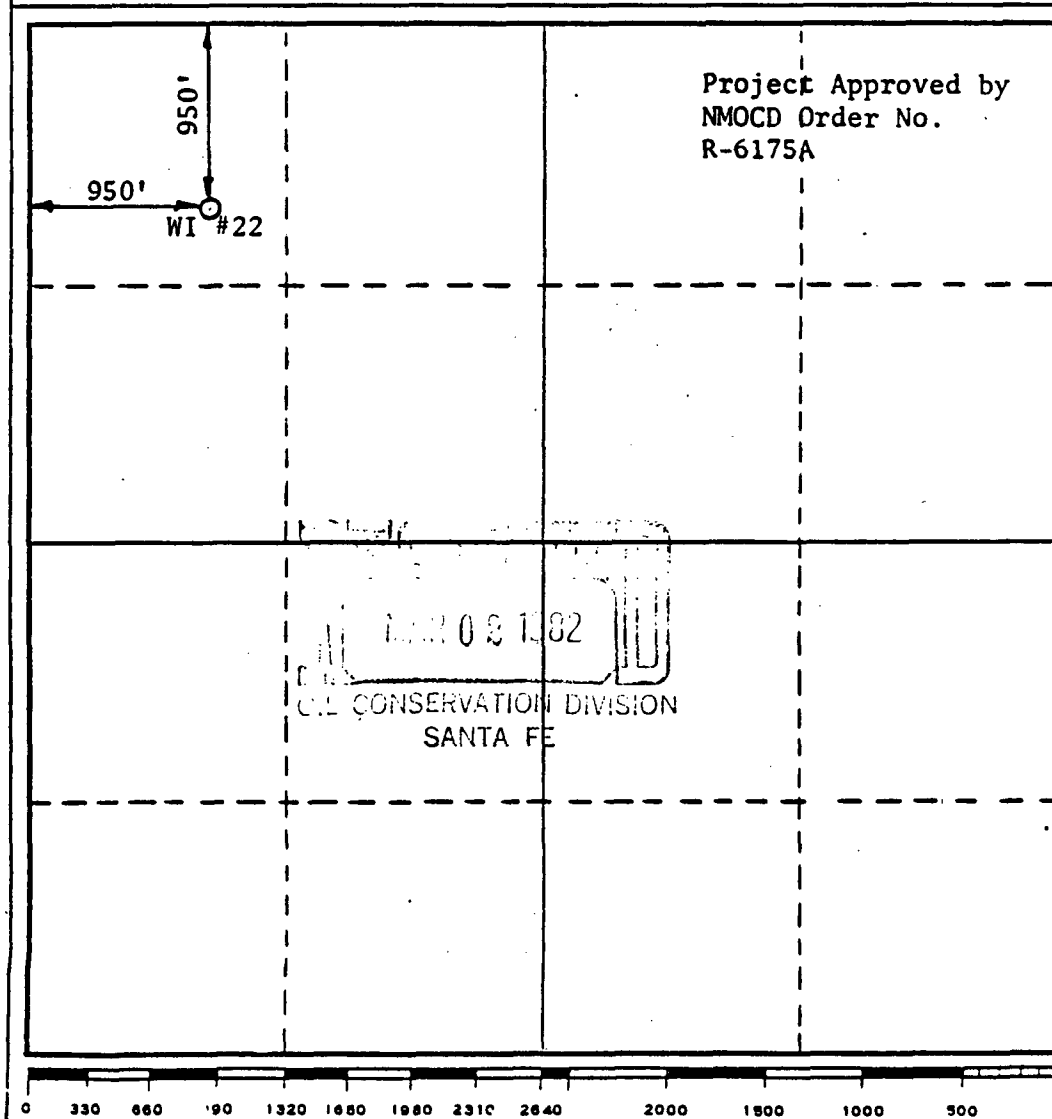
Actual Footage Location of Well: 950 feet from the North line and 950 feet from the West line					
Ground Level Elev: 3727'	Producing Formation Morrow	Pool Washington Ranch		Dedicated Acreage: N/A Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

H. L. Mitchell
Name *H. L. Mitchell*
H. L. Mitchell

Position

Area Drilling Eng.

Company

El Paso Natural Gas Co.

Date

2-4-82

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

1/26/82

Registered Professional Engineer
and/or Land Surveyor

Eugene J. Monteth
Certificate No.

LS #1317

NM OIL CONS. COMMISSION
Drawer DD
Artesia, ⁸⁸⁸¹⁰UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-B142t

30-015-24054

SF

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 Storage

SINGLE ZONE ☒

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

El Paso Natural Gas Co.

3. ADDRESS OF OPERATOR

1800 Wilco Bldg., Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

950' FNL, 950' FWL

At proposed prod. zone

Same

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

6 Miles SW Whites City, NM

10. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)

NA

16. NO. OF ACRES IN LEASE

NA

17. NO. OF ACRES ASSIGNED TO THIS WELL

NA

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

NA

19. PROPOSED DEPTH

7050 +

20. ROTARY OR CABLE TOOLS

Rotary

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

3727 GR

22. APPROX. DATE WORK WILL START*

February 1982

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
16"	13 3/8" Cond	29.3 H-40	40'	30 cu.ft. Circulate
12 1/2"	9 5/8"	32.3 H-40	800'	630 cu.ft. Circulate
8 1/2"	7"	23.0 N-80	7050'	1341 cu.ft.

Project approved by NMOC Order No. R-6175-A.
Selectively perforate and treat the Morrow formation for gas storage.
A 3000 psi W.P. and 6000 psi test double gate BOP with blind and pipe rams will be used for blowout prevention.

RECEIVED
FEB 02 1982
OIL CONSERVATION DIVISION
SANTA FE

RECEIVED
FEB 5 1982
OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout prevention program, if any.

24.

SIGNED

L. P. Mitchell

TITLE Area Drilling Eng.

DATE 2-4-82

(This space for Federal or State office use)

PERMIT NO.

APPROVED

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL

FEB 22 1982

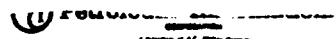
JAMES A. GILHAM
DISTRICT SUPERVISOR

TITLE

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

DATE

*See Instructions On Reverse Side



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COUNTY **EDDY** FIELD **Washington Ranch** STATE **NM**
OPR **EL PASO NATURAL GAS CO.** API **30-015-24054**
NO **22** LEASE **Washington Ranch Gas Storage Project/MAP**
Sec **34, T25S, R24E** /"WI" Federal CO-ORD
950 FNL, 950 FWL of Sec **8-2-50 NM**
9 mi SW/White City SPD **5-2-82** CMP **6-11-82**

CSG 9 5/8-797-600 sx 7-6973-500 sx 2 7/8-6854	WELL CLASS: INIT D FIN DG LSE. CODE			
	FORMATION	DATUM	FORMATION	DATUM
	ID 7000 (MRRW)	PBD 6967		

IP (Morrow) Perfs 6673-6834 F 3011 MCFGPD. Pot based on 24
hr test thru 1/2 Chk. GOR Dry; gty (Gas) (NR); CP 627; TP 486

PLC: El Paso Natural Gas Co.

CONTR **Young #5** OPRSELEV **3745 GL, 3757 KB** sub-s **11**

F.R. 1-11-82
PD 7050 RT (Morrow)
3-8-82 AMEND LOCATION & ELEVATION: Formerly reported
as 347 FNL, 497 FWL Sec & 3745 GL
5-4-82 Drlg 548
5-11-82 Drlg 3229
5-18-82 Drlg 5554
5-25-82 Drlg 6796
6-9-82 TD 7000; PBD 6967; Rng Tbg
Perf (Morrow) 6673-6834 w/4 SPF
Natural
8-9-82 TD 7000; PBD 6967; Complete
LOG TOPS: Delaware Sand 573, Cherry Canyon 1468,
Bone Spring 3568, Wolfcamp 5502, Strawn 5716,
Atoka 5976, Morrow Lime 6432, Morrow Clastics 6606
LOGS RUN: CNDL, BHC, ACSL, DILL, CBND, PDC
BHT 140 deg @ 6959
Will be used as Gas Storage Well
8-14-82 COMPLETION ISSUED 8-2-50 NM
IC 30-015-70003-82

Dec. 1973

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED BY
SEP 18 1984

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.)

O. I. P. ☒ GAS ☐ other Gas Storage
ARIESIA well

2. NAME OF OPERATOR

El Paso Natural Gas Co. ✓

3. ADDRESS OF OPERATOR

1800 Wilco Bldg., Midland, Tx 79701

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below)

AT SURFACE: 136' FSL & 572' FWL

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

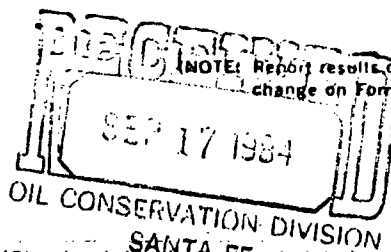
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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:

☐
☐
☒
☐
☐
☐
☐
☐
☐



5. LEASE
NM-22207

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Washington Ranch Storage Project

9. WELL NO.

14

10. FIELD OR WILDCAT NAME

Washington Ranch Morrow

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

Sec. 34, T-25-S, R-24-E

12. COUNTY OR PARISH | 13. STATE
Eddy | N. Mex

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
GR 3741

(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.)*

- 1.) Set tubing plug. RU and install 5000 psi hydraulic BOP.
- 2.) Rig up Snubbing unit, pull and lay down 2 7/8" production tubing.
- 3.) RU wireline unit and set Baker Model FA-1 permanent packer at 6690' wlm, with blanking plug below packer.
- 4.) Load 7" casing with water and pressure test to 3000 psig.
- 5.) Run 4 1/2" 11.6# K-55 tubing with Baker K-22 latch in seal assembly, circulate inhibited packer fluid, latch into packer.
- 6.) Nipple down BOP, Nipple up wellhead.
- 7.) Pressure test tubing to 3000 psig. Retrieve Blanking Plug, return to service.

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

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

SIGNED

[Signature]

TITLE Area Prod. Eng.

DATE 9-10-84

ACCEPTED FOR RECORD

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL *[Signature]*

TITLE

DATE

SEP 12 1984

[Signature] NEW MEXICO

*See Instructions on Reverse Side

Dec. 1973

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 ☐ gas ☐ other ☒ Gas Storage Well

2. NAME OF OPERATOR

El Paso Natural Gas Co. ✓

3. ADDRESS OF OPERATOR

1800 Wilco Bldg., Midland, Texas 79701

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 136' FSL & 572' FWL

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

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:

☐
☐
☐
☐
☐
☐
☐
☐
☐

5. LEASE

NM-22207

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Washington Ranch Storage Project WJ

9. WELL NO.

14

10. FIELD OR WILDCAT NAME

Washington Ranch Morrow

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

Sec. 34, T-25-S, R-24-E

12. COUNTY OR PARISH

Eddy

13. STATE
N, Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
GR 3741'

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

O C D.
ARTESIAN OFFICE

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.)*

1.) Move in and Rig up workover unit, set tubing plug.

2.) Remove wellhead and install BOP.

3.) Pull production tubing with snubbing unit.

4.) Run permanent packer on wireline and set $\pm 100'$ above perfs. DIST. 6

5.) Run production tubing, circulate treated packer fluid.

6.) Land tubing with latch in sub in packer, remove BOP, install wellhead.

7.) Remove tubing plug, release workover unit, return to service.

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

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

SIGNED

David E. Meyer

TITLE Sr. Production Eng. DATE June 15, 1984

(This space for Federal or State office use)

APPROVED BY

R. P. Little

TITLE

P. E.

DATE

6/20/84

CONDITIONS OF APPROVAL, IF ANY:

DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
PRORATION OFFICE	

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and
Effective 1-1-65

RECEIVED

I. OPERATOR
 EL PASO NATURAL GAS COMPANY ✓
 Address: 1800 WILCO BUILDING - MIDLAND, TEXAS 79701
 Reason(s) for filing (check proper box):
 New Well ☒ Change in Transporter of: ☐
 Recompletion ☐ Oil ☐ Dry Gas ☐
 Change in Ownership ☐ Casinghead Gas ☐ Condensate ☐ GAS STORAGE WELL

If change of ownership give name
and address of previous owner _____

II. DESCRIPTION OF WELL AND LEASE

Lease Name WASHINGTON RANCH GAS STORAGE PROJECT	Well No. 14	Pool Name, Including Formation WASHINGTON RANCH/GAS POOL MORROW	Kind of Lease State, Federal or Fee FEDERAL
Location Unit Letter <u>M</u> : <u>136'</u> Feet From The <u>South</u> Line and <u>572'</u> Feet From The <u>West</u> Line of Section <u>34</u> , Township <u>25-S</u> Range <u>24-E</u> , NMPM, <u>EDDY</u> Cour			

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
EL PASO NATURAL GAS COMPANY	ATTN: PRODUCTION CONTROL P. O. BOX 1492, EL PASO, TEXAS 79788
If well produces oil or liquids, give location of tanks.	Is gas actually connected? When
	No

If this production is commingled with that from any other lease or pool, give commingling order number: _____

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well <input type="checkbox"/>	Gas Well <input type="checkbox"/>	New Well <input checked="" type="checkbox"/>	Workover <input type="checkbox"/>	Deepen <input type="checkbox"/>	Plug Back <input type="checkbox"/>	Same Res'v. Diff. Re <input type="checkbox"/>
Date Spudded 12-29-81	Date Compl. Ready to Prod. 2-1-82	Total Depth 7050'	P.B.T.D. 6997'				
Pool WASHINGTON RANCH/GAS POOL MORROW	Name of Producing Formation MORROW	Top Oil/Gas Pay 6792'	Tubing Depth 6968'				
Perforations 6792' - 6953'			Depth Casing Shoe 7018				

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
12 1/2	9 5/8	758'	750 sxs Class "C"
8 3/4	7	7018'	500 sxs Class "H"
6 1/8	2 7/8	6968'	-

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top oil able for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test-MCF/D 119	Length of Test 1 hr.	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (prior, back pr.) Back Pressure	Tubing Pressure 21 psi	Casing Pressure 485 psi	Choke Size 16/64"

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

John P. Deek
(Signature)
Supervisor, Production Services
6-29-82
(Date)

OIL CONSERVATION COMMISSION

APPROVED JUL 28 1982
BY *W.A. Gressett*
SUPERVISOR, DISTRICT II
TITLE _____

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepen well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out Sections I, II, III, and VI only for changes of owner, well name or number, or transporter, or other such change of conditions.

Separate Forms C-104 must be filed for each pool in multiple completed wells.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

SF

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/>	DRY <input type="checkbox"/>	Other GAS STORAGE						
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESEV. <input type="checkbox"/>	Other				
2. NAME OF OPERATOR		EL PASO NATURAL GAS COMPANY				DRAWER DD ARTESIA, NM 88210					
3. ADDRESS OF OPERATOR		1800 WILCO BUILDING - MIDLAND, TEXAS 79701				O.C.D.					
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)		At surface 138° 17' 31" W 572' E				JUL 29 1982					
At top prod. interval reported below											
At total depth											
15. DATE SPEUDED		16. DATE T.D. REACHED		17. DATE COMPL. (Ready to prod.)		18. ELEVATION (DF, REB, RT, OR, ETC.)*		19. ELEV. CASINGHEAD			
12-29-81		1-15-82		2-1-82		3753 OF		3741'			
20. TOTAL DEPTH, MD & TVD		21. PLUG, BACK T.D., MD & TVD		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY		24. ROTARY TOOLS			
7050		6997'				→		X			
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*								25. WAS DIRECTIONAL SURVEY MADE			
6792' - 6958' Morrow Clastics								NO			
26. TYPE ELECTRIC AND OTHER LOGS RUN								27. WAS WELL CORED			
Comp. Neutron/Density, BHC, DIL Prolog, CBL								No			
28. CASING RECORD (Report all strings set in well!)											
CASINO SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED	
9 5/8		32.30		758'		12 1/2		750 sxs. Class "C"		None	
7		23.00		7018'		8 3/4		500 sxs. Class "H"		None	
29. LINER RECORD										30. TUBING RECORD	
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)		SIZE	
										2 7/8	
										6968'	
31. PERFORATION RECORD (Interval, size and number)						32. ACID, SHOT, FRAC, ETC.					
6792' - 6958' 4 SPF						ACCEPTED FOR RECORD					
						DEPTH INTERVAL (MD)					
						None					
						AMOUNT AND KIND OF MATERIAL USED					
						JUL 21 1982					
						U.S. GEOLOGICAL SURVEY					
						ROSWELL, NEW MEXICO					
33. PRODUCTION											
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)						WELL STATUS (Producing or shut-in)			
N/A		Flowing						Shut in			
DATE OF TEST		HOURS TESTED		CHOKER SIZE		PROD'N. FOR TEST PERIOD		OIL—BBL.		GAS—MCF.	
1-30-82		1		16/64"		→		-		119	
FLOW, TUBING PRESS.		CASINO PRESSURE		CALCULATED 24-HOUR RATE		OIL—BBL.		GAS—MCF.		WATER—BBL.	
21 psi		485 psi		→		-		119		-	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)								TEST WITNESSED BY			
EPNG Pipeline											
35. LIST OF ATTACHMENTS											
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records											
SIGNED		John J. Deek				TITLE		Supervisor Production Services		DATE 6-29-82	

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

El Paso EXPLORATION
COMPANY

1800 WILCO BUILDING
MIDLAND, TEXAS 79701

PHONE: 915-684-5701

RECEIVED

Bas WT 3.6
WASHINGTON RANCH STORAGE PROJECT NO. 14

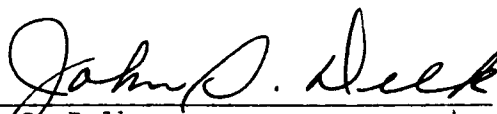
Sec. 34, T-25-S, R-24-E
Eddy County, New Mexico


JUL 12 1982

O. C. D.
ARTESIA, OFFICE

<u>DEPTH</u>	<u>HOLE SIZE</u>	<u>DEVIATION-DEGREES</u>
862	8 3/4"	1 1/4
1,822	8 3/4"	1
2,385	8 3/4"	1/4
2,882	8 3/4"	1/2
3,384	8 3/4"	1 1/4
3,884	8 3/4"	1/4
4,282	8 3/4"	3/4
4,788	8 3/4"	1 1/4
5,241	8 3/4"	1 1/4

SWORN TO and SUBSCRIBED before me by John S. Delk on this the 11th
Day of June, 1982.


John S. Delk


Judy Sandell, Notary Public
State of Texas

My commission expires June 29, 1984

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 ☐ Storage

2. NAME OF OPERATOR

El Paso Natural Gas Co.

3. ADDRESS OF OPERATOR

1800 Wilco Bldg; Midland, Texas 79701

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 136' FWL & 572' FWL

AT TOP PROD. INTERVAL:

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 ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

CHANGE ZONES ☐

ABANDON* ☐

(other) Drilling operations

5. LEASE

NM 22207

RECEIVED

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

FEB 24 1982

7. UNIT AGREEMENT NAME

O. C. D.

8. FARM OR LEASE NAME

ARTESIA, OFFICE

Washington Ranch Storage Project WI F

9. WELL NO.

WI Federal #14

10. FIELD OR WILDCAT NAME

Washington Ranch Morrow

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA ut-M

Sec 34, T-25-S, R-24-E

12. COUNTY OR PARISH 13. STATE

Eddy

NM

14. API NO.

NA

15. ELEVATIONS (SHOW DF, KDB, AND WD)

GR 3741'

(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.)*

Drilled to 7050' and rn 7", 23#, N-80 casing, set @ 7018.32'. Cement w/500 sx Class "H" cement. Job complete @ 7:10 AM, 1-16-82. Top of cement @ 3600'. Released rig @ 10 AM, 1-16-82. On 1-29-82, RU McCullough and perforated 6792-6814, 6857-6868, 6931-6958, 4 spf, .5" holes (240 holes). Ran 2 7/8", 6.5#, J-55 tubing set @ 6967.57'. Waiting on completion.

OIL CONSERVATION DIVISION

SANTA FE

Project approved by NMOCD Order No. R-6175-A

Subsurface Safety Valve: Manu. and Type

Set @ Ft.

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

SIGNED

John A. Chapman
JOHN A. CHAPMAN

TITLE Supv. Prod. Svc. DATE 2-9-82

(This space for Federal or State office use)

APPROVED BY

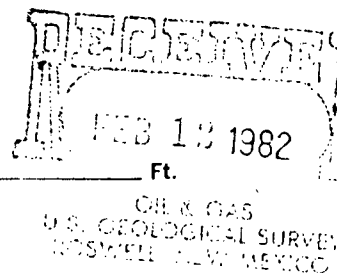
CONDITIONS OF APPROVAL FEB 11 1982

TITLE

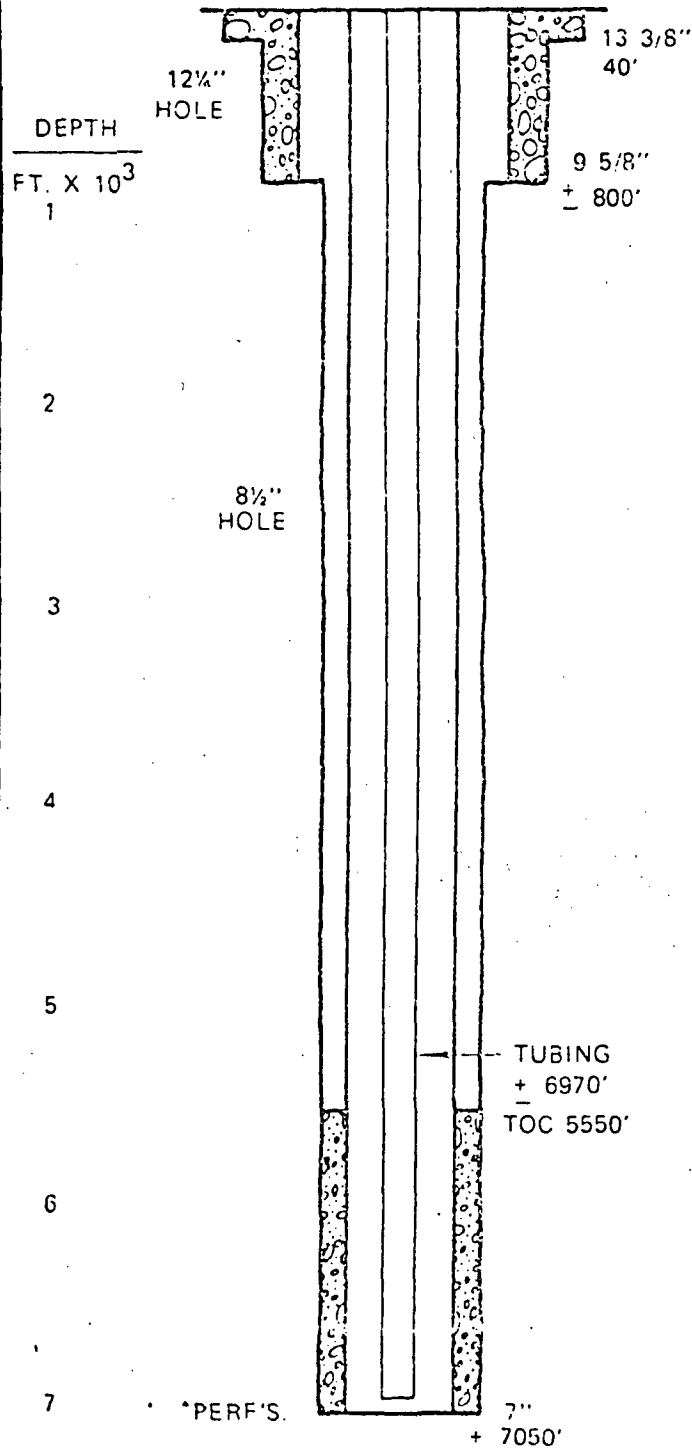
DATE

U.S. GEOLOGICAL SURVEY
POSWELL, NEW MEXICO

*See Instructions on Reverse Side



WASHINGTON RANCH PROPOSED NEW I-W WELL



SIZE	GRADE	WT	BURST	COLLAPSE	DRIFT ID
13 3/8"	USED				
9 5/8"	H-40	32.3	2270	1400	8.845
7"	K-55 *	23	4360	3270	6.241
2 7/8"	J-55	6.5	7260	7680	2.441
*N-80					

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

Operator El Paso Natural Gas Co.			Lease Washington Ranch Storage Project <i>WI Fed.</i>		Well No. WI#14
Unit Letter M	Section 34	Township 25-S	Range 24-E	County Eddy County, New Mexico	
Actual Footage Location of Well: 136 feet from the South line and 572 feet from the West line					
Ground Level Elev. 3741	Producing Formation Morrow	Pool Washington Ranch		Dedicated Acreage: N/A Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. NA
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). NA
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc? NA

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

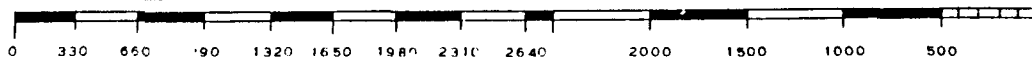
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

Project Approved by NMOCD
Order No. R-6175-A

SECTION 34

572' WI#14

 136'



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

[Signature]
Name

H. L. Mitchell

Position

Drlg. Engr.

Company

El Paso Natural Gas Co.

Date

11-11-81

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

4-20-81

Registered Professional Engineer and/or Land Surveyor

[Signature]
Certificate No.

LS #1317

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPPLICATE*
(Other instructions on
reverse side)Form approved.
Budget Bureau No. 42-R1425.

30-015-24037

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 Storage

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

El Paso Natural Gas Co. ✓

3. ADDRESS OF OPERATOR

1800 Wilco Bldg, Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

136' FSL, 572' FWL

At proposed prod. zone

Same

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

6 miles SW White City, NM

15. DISTANCE FROM PROPOSED*

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

NA

16. NO. OF ACRES IN LEASE

NA

17. NO. OF ACRES ASSIGNED
TO THIS WELL

NA

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

NA

19. PROPOSED DEPTH

+7,050'

20. ROTARY OR CABLE TOOLS

Rotary

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

3741' GR

22. APPROX. DATE WORK WILL START*

Jan. 1, 1982

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
16"	13 3/8" Cond	29.3 H-40	40'	30 cu ft
12 1/4"	9 5/8"	32.3 H-40	800'	630 cu ft to circ.
8 1/2"	7"	23.0 H-80	7,050'	1341 cu ft

Project approved by NMOCD Order No. R-6175-A.

Selectively perforate and treat the Morrow formation for gas storage.

A 3000 psi WP and 6000 psi test double gate BOP w/blind and pipe rams will be used for blowout prevention.

RECEIVED
NOV 16 1981OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout prevention program, if any.

24.

SIGNED

Harry R. Mitchell

TITLE Drlg. Engr

DATE 11-11-81

(This space for Federal or State office use)

PERMIT NO.

APPROVED

APPROVAL DATE

APPROVED BY
CONDITIONS OF APPROVAL

Orig. Sgd. ROGER A. CHAPMAN

TITLE

DATE

DEC 24 1981

for JAMES A. GILLHAM
DISTRICT SUPERVISOR

See Instructions On Reverse Side

COUNTY EDDY FIELD Washington Ranch STATE NM
 OPR EL PASO NATURAL GAS CO. API 30-015-24037
 NO 14 LEASE Washington Ranch Gas Storage Project MAP
 Sec 34, T25S, R24E /"WI" Federal CO-ORD
 136 FSL, 572 FWL of Sec 8-2-45 NM
 9 mi SW/White City SPD 12-29-81 CMP 1-30-82

CSC 9 5/8-758-750 sx 7-7018-500 sx 2 7/8-6968	WELL CLASS: INIT IW FIN DG LSE. CODE			
	FORMATION	DATUM	FORMATION	DATUM
	ID 7050 (MRRW)		PBU 6997	

IP (Morrow) Perfs 6792-6958 F 119 MCFGPD. Pot based on 24 hr test thru 16/64 chk. GOR Dry; gty (Gas) (NR); CP 485; TP 21

PLC: El Paso Natural Gas Co.

CONTR Young #4 OPRSTIV 3741 GL, 3753 KB sub-s 11

F.R. 11-30-81
 PD 7050 RT (Morrow)
 8-14-82 AMEND WELL NUMBER & ADD LEASE DESIGNATION:
 Formerly WI-14
 1-5-82 Drlg 3733
 1-12-82 Drlg 6661
 1-19-82 TD 7050; WOCU
 No Cores or DSTs
 2-2-82 TD 7050; PBD 6997; SI
 Perf (Morrow) 6792-6814, 6857-68, 6931-58 w/4 SPF
 Natural
 8-9-82 TD 7050; PBD 6997; Complete
 LOG TOPS: Delaware Sand 542, Cherry Canyon 1429,
 Bone Spring 3611, Wolfcamp 5526, Strawn 5730,
 Atoka 5982, Morrow Lime 6596, Morrow Clastics 6720
 LOGS RUN: CNDL, BHC, DI, GRL, CBND
 Will be used as Gas Storage Well
 8-14-82 COMPLETION ISSUED 8-2-45 NM
 IC 30-015-70548-81

Dec 1973

NEW OIL CON. COMMISSION UNITED STATES

Drawer DD

Artesia, NM 88210 GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR
RECEIVED BY

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 Gas Storage

2. NAME OF OPERATOR

El Paso Natural Gas Co.

3. ADDRESS OF OPERATOR

1800 Wilco Bldg., Midland, Tx 79701

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 2150' FSL & 2150' FWL

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

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:

☐ **RECEIVED**

☒ **SEP 17 1984**

☐ OIL CONSERVATION DIVISION

☐ SANTA FE

5. LEASE

NM-22207

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Washington Ranch Storage Project

9. WELL NO.

21

10. FIELD OR WILDCAT NAME

Washington Ranch Morrow

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

Sec. 34, T-25-S, R-24-E

12. COUNTY OR PARISH

Eddy

13. STATE

N. Mex

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
GR 3718'

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.)*

- 1.) Set tubing plug. RU and install 5000 psi hydraulic BOP.
- 2.) Rig up Snubbing unit, pull and lay down 2 7/8" production tubing.
- 3.) RU wireline unit and set Baker Model FA-1 permanent packer at 6600' wlm, with blanking plug below packer.
- 4.) Load 7" casing with water and pressure test to 3000 psig.
- 5.) Run 4 1/2" 11.6# K-55 tubing with Baker K-22 latch in seal assembly, circulate inhibited packer fluid, latch into packer.
- 6.) Nipple down BOP, Nipple up wellhead.
- 7.) Pressure test tubing to 3000 psig. Retrieve Blanking Plug, return to service.

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

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

SIGNED

TITLE Area Prod. Eng.

DATE

9-10-84

ACCEPTED FOR RECORD (space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL

TITLE

DATE

SEP 12 1984

*See Instructions on Reverse Side

NEW MEXICO

Dec. 1973

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 ☐ gas ☐ other ☒ Gas Storage Well

2. NAME OF OPERATOR

El Paso Natural Gas Co. ✓

3. ADDRESS OF OPERATOR

1800 Wilco Bldg., Midland, Texas 79701

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 2150' FSL & 2150' FWL

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

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:

☐

☐

☐

☐

☐

☐

☐

☐

☐

RECEIVED BY

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

JUN 21 1984

O. C. D.

ARTESIA, OFFICE

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.)*

1.) Move in and Rig up workover unit, set tubing plug.

2.) Remove wellhead and install BOP.

3.) Pull production tubing with snubbing unit.

4.) Run permanent packer on wireline and set +100' above perfs

5.) Run production tubing, circulate treated packer fluid.

6.) Land tubing with latch in sub in packer, remove BOP, install wellhead.

7.) Remove tubing plug, release workover unit, return to service.

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

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

SIGNED Daniel E. Myer TITLE Sr. Production Eng. DATE June 15, 1984

(This space for Federal or State office use)

APPROVED BY R. R. Ritchie TITLE P.E. DATE 6/20/84

CONDITIONS OF APPROVAL, IF ANY:

5. LEASE

NM-22207

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Washington Ranch Storage Project

9. WELL NO.

21

10. FIELD OR WILDCAT NAME

Washington Ranch Morrow

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

Sec. 34, T-25-S, R-24-E

12. COUNTY OR PARISH

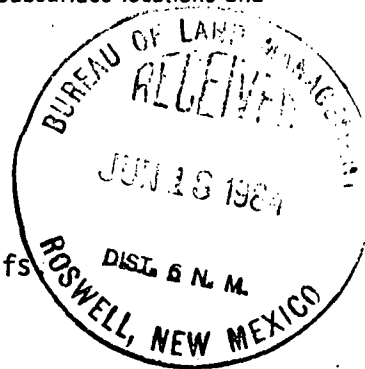
Eddy

13. STATE

N. Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
GR 3718'



NO. OF COPIES RECEIVED	
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FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL GAS
OPERATOR	
PRORATION OFFICE	

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and
Effective 1-1-65

RECEIVED

JUL 12 1982

EL PASO NATURAL GAS COMPANY

Address: 1800 WILCO BUILDING - MIDLAND, TEXAS 79701

Reason(s) for filing (check proper box):
 New Well ☒ Change in Transporter of: Oil ☐ Dry Gas ☐
 Recompletion ☐ Casinghead Gas ☐ Condensate ☐
 Change in Ownership ☐ GAS STORAGE WELL

If change of ownership give name and address of previous owner _____

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease
WASHINGTON RANCH GAS STORAGE PROJECT	21	WASHINGTON RANCH/GAS POOL MORROW	State, Federal or Fee FEDERAL
Location			
Unit Letter	K	2150 Feet From The South Line and 2150 Feet From The West	
Line of Section	34	Township 25S Range 24E, NMPM, EDDY Coun	

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
EL PASO NATURAL GAS COMPANY	ATTN: PRODUCTION CONTROL P. O. BOX 1492, EL PASO, TEXAS 79788
If well produces oil or liquids, give location of tanks.	Is gas actually connected? When
	No

If this production is commingling with that from any other lease or pool, give commingling order number: _____

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Re
		X	X					
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
4-2-82	6-2-82	7001	6914					
Pool	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth					
WASHINGTON RANCH/GAS POOL MORROW		6721	6914					
Perforations			Depth Casing Shoe					
6721-6895			6971					

TUBING, CASING, AND CEMENTING RECORD			
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
12 1/2	9 5/8	815	500 sx Class "C"
8 3/4	7	6,971	500 sx Class "H"
6 1/8	2 7/8	6,914	

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
3378	24 hrs		
Testing Method (pilot, back pr.)	Tubing Pressure	Casing Pressure	Choke Size
Back Pressure	520 psi	650 psi	32/64

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

John D. Deek
(Signature)
Supervisor Production Services
(Title)

July 2, 1982
(Date)

OIL CONSERVATION COMMISSION

JUL 28 1982

APPROVED _____ 19
BY *W. A. Gussitt*
TITLE SUPERVISOR, DISTRICT II

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepen well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for all applicable on new and recompleted wells.

Fill out Sections I, II, III, and VI only for changes of owner well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiple completed wells.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other GAS STORAGE

2. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. EESVR. ☐ Other RECEIVED

3. NAME OF OPERATOR

EL PASO NATURAL GAS COMPANY ✓

JUL 23 1982

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

WASHINGTON RANCH GAS
STORAGE PROJECT WI

9. WELL NO.

21

10. FIELD AND POOL, OR WILDCAT

WASHINGTON RANCH/GAS P

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

Sec 34, T-25-S, R-24-E

12. COUNTY OR
PARISH
EDDY

13. STATE

NEW MEXICO

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

1800 WILCO BUILDING - MIDLAND, TEXAS 79701

At surface

At top prod. interval reported below

At total depth

JUL 29 1982

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

4-2-82

16. DATE TESTED

4-18-82

17. DATE COMPL. (Ready to prod.)

6-2-82

18. ELEVATIONS (DF, REB, RT, GR, ETC.)*

3730 DF

19. ELEV. CASINGHEAD

3718

20. TOTAL DEPTH, MD & TVD

7001

21. PLUG, BACK T.D., MD & TVD

6914

22. IF MULTIPLE COMPL.,
HOW MANY*23. INTERVALS
DRILLED BY

ROTARY TOOLS

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

6721-6895 Morrow Clastic

25. WAS DIRECTIONAL
SURVEY MADE

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

Comp Neut/Density, BHC Acoustilog, DIL, Prolog, CBL

27. WAS WELL CORED

No

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

CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8	32.30	815'	12 1/4	500 sx Class C	None
7	23.00	6,971'	8 3/4	500 sx Class H	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8	6914	----

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

6721-6895 4 spf (252 holes)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
None	

33.*

PRODUCTION

U.S. GEOLOGICAL SURVEY

DATE FIRST PRODUCTION

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
6-2-82	24 hrs	32/64	→	----	3378	----	----
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
520 psi	650 psi	→	----	3378	----	----	----

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

TEST WITNESSED BY

EPNG Pipeline

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

TITLE

DATE

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

El Paso EXPLORATION
COMPANY

1800 WILCO BUILDING
MIDLAND, TEXAS 79701

PHONE: 915-684-5701

RECEIVED

WASHINGTON RANCH STORAGE PROJECT NO. 21

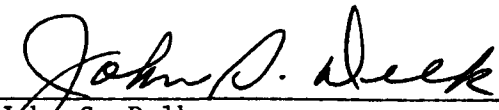
JUL 12 1982

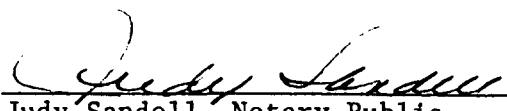
Sec. 3, T-26-S, R-24-E
Eddy County, New Mexico

O. C. D.
ARTESIA, OFFICE

<u>DEPTH</u>	<u>HOLE SIZE</u>	<u>DEVIATION-DEGREES</u>
1,349	8 3/4"	1 1/2
1,849	8 3/4"	1
2,350	8 3/4"	1 1/4
2,850	8 3/4"	1 1/2
3,300	8 3/4"	1 1/4
3,800	8 3/4"	3
3,980	8 3/4"	1 1/4
4,507	8 3/4"	1 1/4
5,254	8 3/4"	1 1/4
5,753	8 3/4"	3
6,065	8 3/4"	1 1/4

SWORN TO and SUBSCRIBED before me by John S. Delk on this the 11th
Day of June, 1982.


John S. Delk


Judy Sandell, Notary Public
State of Texas

My commission expires June 29, 1984

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Drawer DD
Artesia, NM 88230

LEASE

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 Storage JUL 23 1982
2. NAME OF OPERATOR El Paso Natural Gas Co. O. C. D.
3. ADDRESS OF OPERATOR 1800 Wilco Bldg.; Midland, Texas 79701
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2150' FSL & 2150' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

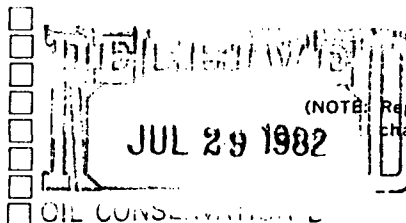
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

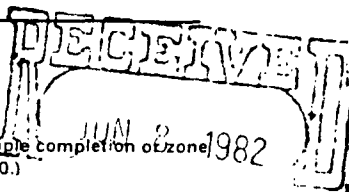
- TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐

SUBSEQUENT REPORT OF:

(other) Drlg Operations & Perforate



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



OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

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.)*

Drilled to 7001' and ran 7", 23#, N-80 casing set @ 6932.23'. Cemented with 500 sx Class "H" cement. Plug down at 1 AM, 4-19-82. Top of cement at 3,600'. Released rig @ 12 PM, 4-19-82. RU CPI Wireline and perforated 6886-6895, 6862-6881, 6852-6860, 6843-6851, 6819-6833, 6721-6729, 6877-6881, 4 spf, .5" holes (252 holes). Ran 2 7/8" 6.5#, J-55 tubing set @ 6905.67'. Waiting on completion.

Project approved by NMOCDC Order No. R-6175-A

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

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

SIGNED John D. Deek TITLE Supv. Prod. Svc. DATE June 3, 1982

(This space for Federal or State office use)

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

ACCEPTED FOR RECORD

JUL 21 1982

U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Drawer DD
Artesia, NM 88210

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 ☐ Storage ☐ O. C. D. ☐ ARTESIA, OFFICE
2. NAME OF OPERATOR
El Paso Natural Gas Co. ✓
3. ADDRESS OF OPERATOR
1800 Wiclo Bldg, Midland, Texas 79701
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2150 FSL & 2150' FWL
AT TOP PROD. INTERVAL:
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 type="checkbox"/> |
| (other) | | Spud & Drlg Operation | |

5. LEASE
NM 22207
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Washington Ranch Storage Project
9. WELL NO.
WI #21
10. FIELD OR WILDCAT NAME
Washington Ranch *maneuver*
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 34, T-25-S, R-24-E
12. COUNTY OR PARISH
Eddy
13. STATE
NM
14. API NO.
NA
15. ELEVATIONS (SHOW DF, KDB, AND WD)
GR 3718'

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

10 1362

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.)*

Spudded 12 1/4" hole on 4/2/82 @ 8 PM, Young Drlg. Rig No. 4.
Drilled to 825' and ran 9 5/8", 32.3#, H-40 casing set @ 814.98'.
Cemented with 500 sx Class "C" cement. Had full returns and plug down @ 8:15 PM, 4-3-82. Cemented back 5/4" with 9 sx Redi-Mix and pea gravel. WOC 11 1/2 hrs. Tested casing to 900 psi, test OK. Top of cement at surface. Reduced hole to 8 3/4" and resumed drlg operations.

MAY 17 1982

Project approved by NMOCDC Order No. R-6175-A

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

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

SIGNED John D. Lick TITLE Supv. Prod. Svc. DATE April 15, 1982

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

ACCEPTED FOR RECORD

MAY 11 1982
U.S. GEOLOGICAL SURVEY
POSWELL, NEW MEXIC

NM OIL CONS. COMMISSION
Drawer DD
Artesian UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)Form approved.
Budget Bureau No. 42-R142:

30-015-2405

SF
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

El Paso Natural Gas Co.

3. ADDRESS OF OPERATOR

1800 Wilco Bldg., Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

2150' FSL, 2150' FWL

At proposed prod. zone

Same

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

6 miles SW Whites City, New Mexico

10. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

NA

16. NO. OF ACRES IN LEASE

NA

17. NO. OF ACRES ASSIGNED
TO THIS WELL

NA

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

NA

19. PROPOSED DEPTH

7050' ±

20. ROTARY OR CABLE TOOLS

Rotary

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

3718 GR

22. APPROX. DATE WORK WILL START*

February 1982

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
16"	13 3/8" Cond	29.3 H-40	90'	30 cu.ft. Circulate
12 1/4"	9 5/8"	32.3 H-40	800'	630 cu.ft. Circulate
8 1/2"	7"	23.0 N-80	7050'	1341 cu.ft.

Project approved by NMOC.D Order No. R-6175-A.

Selectively perforate and treat the Morrow formation for gas storage.
At 3000 psi W.P. and 6000 psi test double gate BOP with blind and
pipe rams will be used for blowout prevention.FEB 10 1982
OIL CONSERVATION DIVISION
SANTA FERECEIVED
FEB 5 1982OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout prevention program, if any.

24.

SIGNED

W. L. McNeill

TITLE Area Drilling Eng.

DATE 2-4-82

(This space for Federal or State office use)

PERMIT NO.

APPROVED

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL

FEB 22 1982

JAMES A. GILLHAM
DISTRICT SUPERVISOR

APPROVAL SUBJECT TO

GENERAL REQUIREMENTS AND

SPECIAL STIPULATIONS

ATTACHED

DATE

*See Instructions On Reverse Side

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

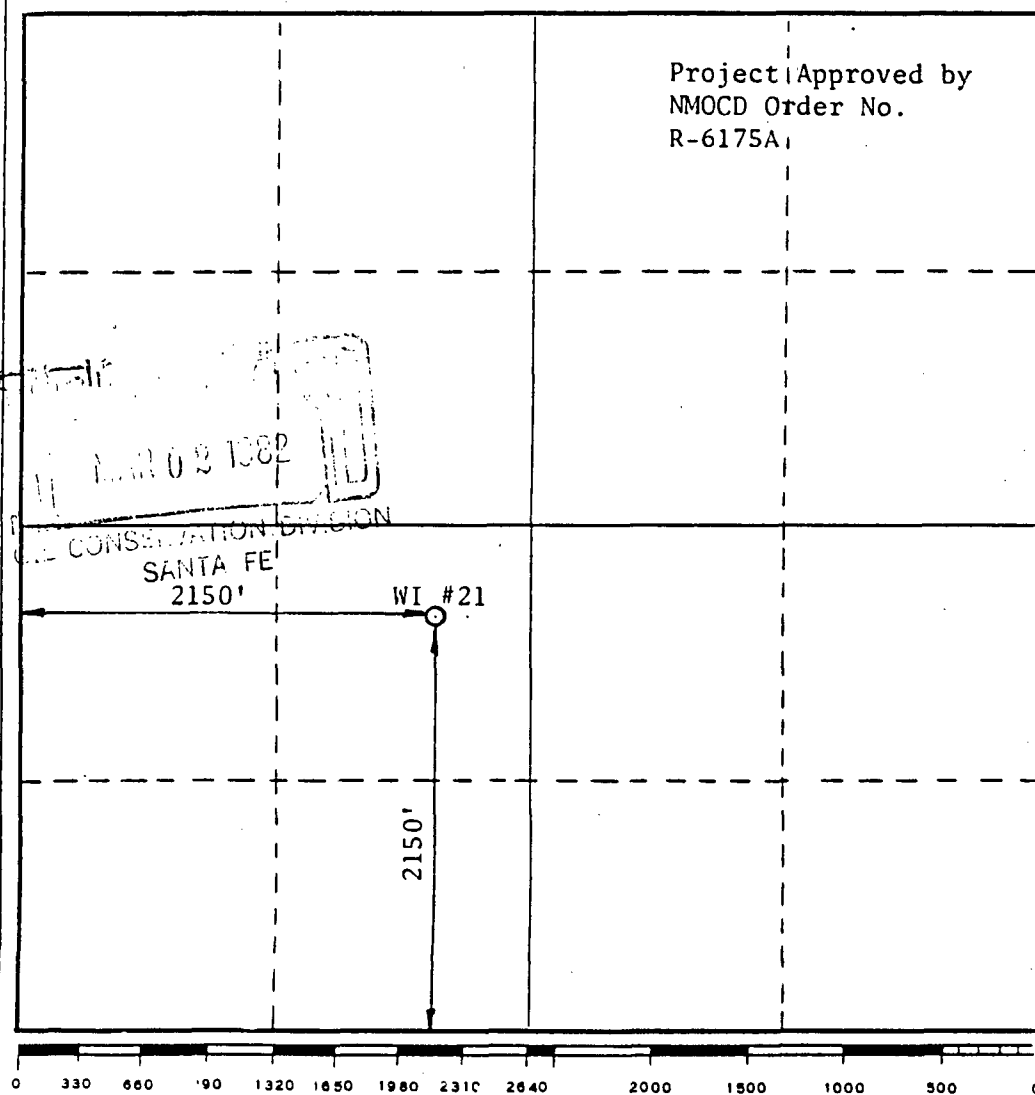
Operator El Paso Natural Gas Company			Lease Washington Ranch Storage Project		Well No. WI #21
Unit Letter K	Section 34	Township 25-S	Range 24-E	County Eddy County, New Mexico	
Actual Footage Location of Well: 2150 feet from the South line and 2150 feet from the West line					
Ground Level Elev: 3718'	Producing Formation Morrow		Pool Washington Ranch - Mor		Dedicated Acreage: N/A Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

H. L. Mitchell

Name

H. L. Mitchell

Position

Area Drilling Eng.

Company

El Paso Natural Gas Co.

Date

2-4-82

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

1/26/82

Registered Professional Engineer
and/or Land Surveyor

Earl J. Monteth

Certificate No.

LS #1317

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

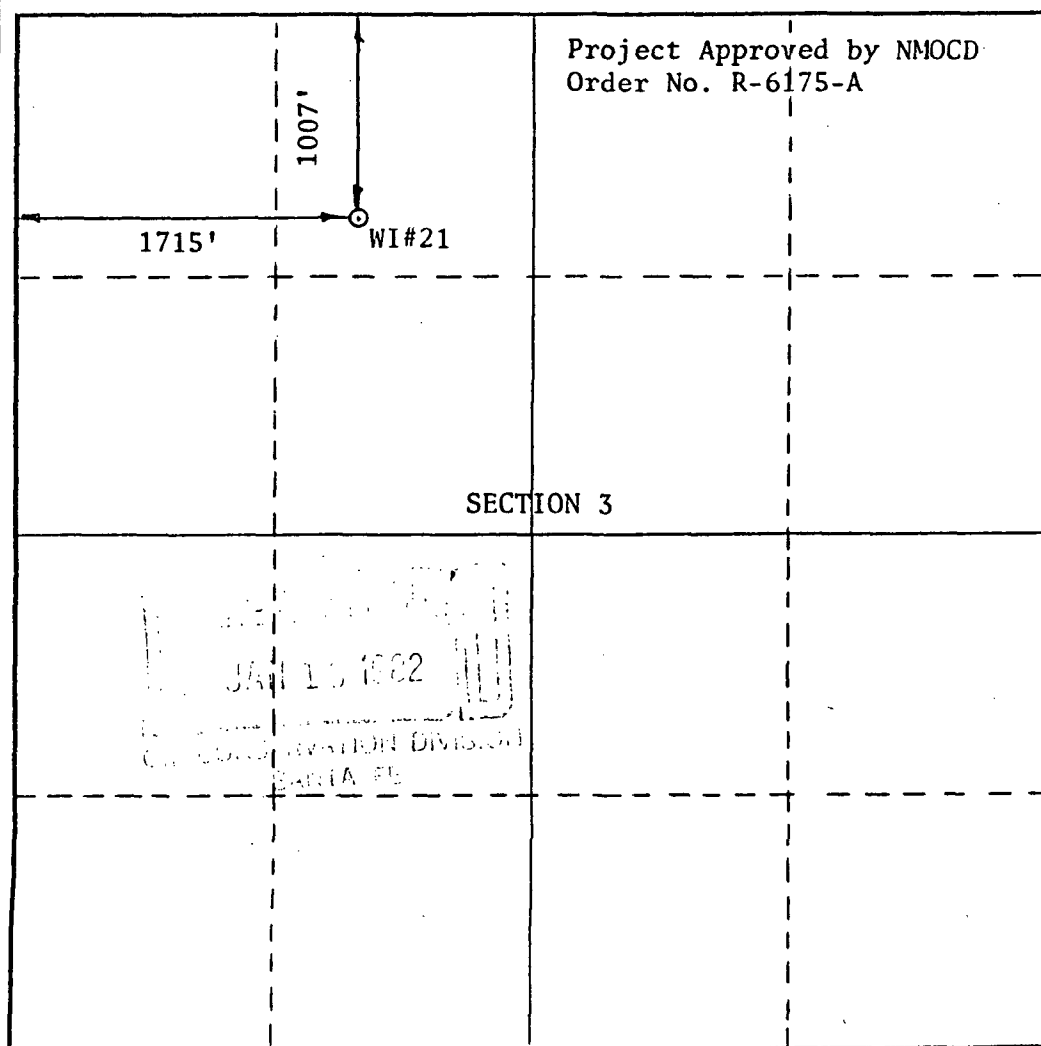
Operator El Paso Natural Gas Co.			Lease Washington Ranch Storage Project		Well No. WI#21
Unit Letter C	Section 3	Township 26-S	Range 24-E	County Eddy County, New Mexico	
Actual Footage Location of Well:					
1007 feet from the North line and		1715 feet from the West line			
Ground Level Elev. 3738	Producing Formation Morrow	Pool Washington Ranch <i>Morrow</i>		Dedicated Acreage: N/A Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. **NA**
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). **NA**
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc? **NA**

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



Project Approved by NMOCD
Order No. R-6175-A

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

G. D. Mickey
G. D. Mickey

Name

Drilling Engineer

Position

El Paso Natural Gas Co.

Company

December 4, 1981

Date

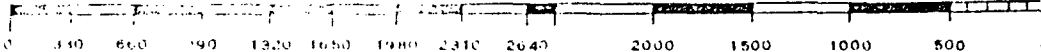
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
4-22-81

Registered Professional Engineer
and/or Land Surveyor

E. R. Montoya
E. R. Montoya

Certificate No.
LS #1317



30-015-24053

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

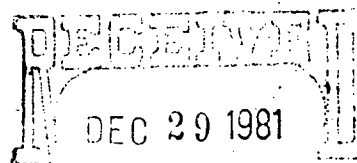
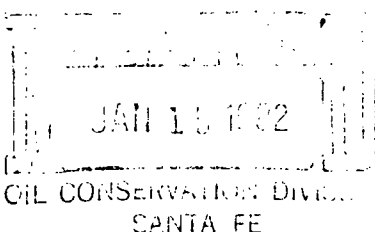
1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. USA NM 0525452-A		
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Storage SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
2. NAME OF OPERATOR El Paso Natural Gas Company			7. UNIT AGREEMENT NAME		
3. ADDRESS OF OPERATOR 1800 Wilco Building, Midland, Texas 79701			8. FARM OR LEASE NAME Washington Ranch Storage Project WI		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1007 FNL, 1715 FWL At proposed prod. zone Same			9. WELL NO. WI Federal 21		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 6 miles SW Whites City, New Mexico			10. FIELD AND POOL, OR WILDCAT Washington Ranch mono		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) NA			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 3, T26S, R24E		
16. NO. OF ACRES IN LEASE NA			12. COUNTY OR PARISH Eddy		
17. NO. OF ACRES ASSIGNED TO THIS WELL NA			13. STATE New Mexico		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. NA			19. PROPOSED DEPTH + 7,050'		
20. ROTARY OR CABLE TOOLS Rotary			21. APPROX. DATE WORK WILL START* March, 1982		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3,738 GR			22. APPROX. DATE WORK WILL START* March, 1982		

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
16"	13 3/8" Cond.	29.3 H-40	40'	30 cu. ft. CIRCULATE
12 1/4"	9 5/8"	32.3 H-40	800'	630 cu. ft. to circulate
8 1/2"	7"	23.0 H-80	7,050'	1341 cu. ft.

Project approved by NMOC Order No. R-6175-A.

Selectively perforate and treat the Morrow formation for gas storage. A 3000 psi W.P. and 6000 psi test double gate BOP with blind and pipe rams will be used for blowout prevention.



U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout prevention program, if any.

24. SIGNED AD Moley TITLE Drilling Engineer DATE Dec. 4, 1981

(This space for Federal or State office use)

PERMIT NO. **APPROVED**

APPROVAL DATE

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

JAN 7 1982
JAMES A. GILLHAM
DISTRICT SUPERVISOR

*See Instructions On Reverse Side

5-1-81

EDDY

EL PASO NATURAL GAS
CO.

Washington Ranch
21 Washington Ranch
Gas Storage Project
"WI" Federal
Sec 34, T25S, R24E

NM

Page #2

8-9-82

Continued

LOGS RUN: CNDL, BHC, ACSL, DILL, CBND, VD, PDC
BHT 141 deg @ 6907

Will be used as Gas Storage Well

8-14-82

COMPLETION ISSUED

8-2-49 NM

IC 30-015-70006-82

COUNTY **EDDY** FIELD **Washington Ranch** STATE **NM**
 OPR **EL PASO NATURAL GAS CO.** API **30-015-24053**
 NO **21** LEASE **Washington Ranch Gas Storage Project** AP
Sec 34, T25S, R24E / **"WI" Federal** CO-ORD
2150 FSL, 2150 FWL of Sec **8-2-49 NM**
10 mi SW/White City SPD **4-2-82** CMP **6-2-82**

CSC 9 5/8-815-500 SX 7-6971-500 SX 2 7/8-6914	WELL CLASS: INIT D FIN DG LSE. CODE			
	FORMATION	DATUM	FORMATION	DATUM
	ID 7001 (MRRW)	PBD 6971		

IP (Morrow) Perfs 6721-6895 F 3378 MCFGPD. Pot based on 24
 hr test thru 1/2 chk. GOR Dry; gty (Gas) (NR); CP 650; TP 520

PLC: El Paso Natural Gas Co.

CONTR **Young #4** OPRSTLEV **3738 GL, 3750 KB** sub-s **11**

F.R. 1-11-82
 PD 7050 RT (Morrow)
 3-8-82 AMEND LOCATION, SECTION, TOWNSHIP & ELEVATION:
 Formerly reported as 1007 FNL, 1715 FWL of Sec 3,
 T26S, 3738 GL
 4-5-82 Drlg 1700
 4-13-82 Drlg 5608
 4-20-82 TD 7001; PBD 6971; WOCU
 5-11-82 TD 7001; PBD 6971; MICU
 5-18-82 TD 7001; PBD 6971; fsg
 Perf (Morrow) 6721-6895 w/4 SPF
 Natural
 6-2-82 TD 7001; PBD 6971; NU Tree
 6-15-82 TD 7001; PBD 6971; SI
 8-9-82 TD 7001; PBD 6971; Complete
 LOG TOPS: Delaware Sand 544, Cherry Canyon 1444,
 Bone Spring 3596, Wolfcamp 5590, Strawn 5748,
 Atoka 6024, Morrow Lime 6536, Morrow Clastics 6656
 8-2-49 NM

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 ☐ gas ☐
well well other Gas Storage
2. NAME OF OPERATOR
El Paso Natural Gas Co. ✓
3. ADDRESS OF OPERATOR
1800 Wilco Bldg., Midland, Tx 79701
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17
below.)
AT SURFACE: 2063' FNL & 2452' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE,
REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>
FRAC TURE TREAT	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>
(other)	<input type="checkbox"/>

SUBSEQUENT REPORT OF:

☐
☐
☐
☒
☐
☐
☐
☐

RECEIVED BY

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

O. C. D.

ARTESIA, OFFICE

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.)*

6-26/7-13, 1984

- 1.) Set tubing plug. RU and install 5000 psi hydraulic BOP.
- 2.) Rig up Snubbing unit, pull and lay down 2 7/8" production tubing.
- 3.) RU wireline unit and set Baker Model FA-1 permanent packer at 6600' wlm, with blanking plug below packer.
- 4.) Load 7" casing with water and pressure test to 3000 psig.
- 5.) Run 4½" 11.6# K-55 tubing with Baker K-22 latch in seal assembly, circulate inhibited packer fluid, latch into packer.
- 6.) Nipple down BOP, Nipple up wellhead.
- 7.) Pressure test tubing to 3000 psig. Retrieve Blanking Plug, return to service.

Subsurface Safety Valve: Manu. and Type

Set @ _____ Ft.

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

SIGNED

SIGNED D. E. Myers Area Prod. Eng.

DATE 7-13-84

ACCEPTED FOR RECORD

s space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE _____

JUL 16 1984

Richard

NEW MEXICO

***See Instructions on Reverse Side**

C. L. COLLEGE, 1000 E. 10th St.,
S. J. P. Co.

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 ☒ Gas Storage Well

2. NAME OF OPERATOR

El Paso Natural Gas Co. ✓

3. ADDRESS OF OPERATOR

1800 Wilco Bldg., Midland, Texas 79701

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 2063' FNL & 2452' FWL

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

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:

☐
☐
☐
☐
☐
☐
☐
☐
☐
☐

RECEIVED BY

JUN 21 1984

O. C. D.

ARTESIA, OFFICE

5. LEASE

NM-22207

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Washington Ranch Storage Project Wd

9. WELL NO.

24

10. FIELD OR WILDCAT NAME

Washington Ranch Morrow

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

Sec. 34, T-25-S, R-24-E

12. COUNTY OR PARISH

Eddy

13. STATE

N. Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
GR 3695'

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.)

1.) Move in and Rig up workover unit, set tubing plug.

2.) Remove wellhead and install BOP.

3.) Pull production tubing with snubbing unit.

4.) Run permanent packer on wireline and set +100' above per

5.) Run production tubing, circulate treated packer fluid.

6.) Land tubing with latch in sub in packer, remove BOP, install wellhead.

7.) Remove tubing plug, release workover unit, return to service.

Subsurface Safety Valve: Manu. and Type

Set @ _____ Ft.

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

SIGNED

David E. Myer

TITLE Sr. Production Eng. DATE June 15, 1984

(This space for Federal or State-office use)

APPROVED BY

P. E. Ritchie

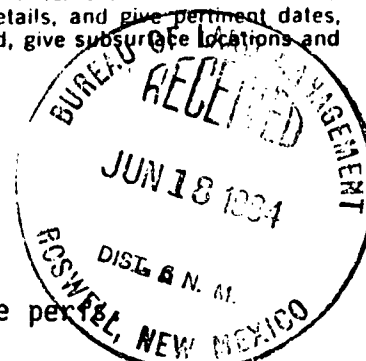
TITLE

P. E.

DATE

6/20/84

CONDITIONS OF APPROVAL, IF ANY:



NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL GAS
OPERATOR	
PRODUCTION OFFICE	

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and
Effective 1-1-65

RECEIVED

EL PASO NATURAL GAS COMPANY		JUL 29 1982	O. C. D.
1800 WILCO BUILDING - MIDLAND, TEXAS 79701		PRODUCTION DIVISION	ARTESIA, OFFICE
Reason(s) for filing (check proper box)			
New Well	<input checked="" type="checkbox"/>	Change in Transporter of:	
Recompletion	<input type="checkbox"/>	Oil	<input type="checkbox"/>
Change in Ownership	<input type="checkbox"/>	Casinghead Gas	<input type="checkbox"/>
		Dry Gas	<input type="checkbox"/>
		Condensate	<input type="checkbox"/>
GAS STORAGE WELL			

If change of ownership give name
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, including Formation	Kind of Lease
WASHINGTON RANCH GAS STORAGE PROJECT	24	WASHINGTON RANCH/GAS POOL MORROW	State, Federal or Fee FEDERAL
Location			
Unit Letter F	2063	Feet From The North	Line and 2452
Line of Section 34	Township 25S	Range 24E	NMPM, EDDY Cour

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil	<input type="checkbox"/>	or Condensate	<input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Name of Authorized Transporter of Casinghead Gas	<input type="checkbox"/>	or Dry Gas	<input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
EL PASO NATURAL GAS COMPANY				ATTN: PRODUCTION CONTROL P. O. BOX 1492, EL PASO, TEXAS 79788
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.
Is gas actually connected?	When			
No				

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'tv.	Diff. Re
		X	X					
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
3-27-82	6-5-82	7000	6912					
Pool	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth					
WASHINGTON RANCH/GAS POOL MORROW		6739	6856					
Perforations	Depth Casing Shoe							
6739-6859	6967							
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					
12 1/2	9 5/8	810	1350 sx C1 C					
8 3/4	7	6967	500 sx C1 H					
6 1/8	2 7/8	6856						

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
3049	24 hrs		
Testing Method (prior, back pr.)	Tubing Pressure	Casing Pressure	Choke Size
Back Pressure	504 psi	600 psi	32/64"

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

John P. Deek
(Signature)
Supervisor Production Services
(Title)

7-2-82

(Date)

OIL CONSERVATION COMMISSION
JUL 28 1982
APPROVED
BY *W. A. Gussett*
SUPERVISOR, DISTRICT II

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepen well, this form must be accompanied by a tabulation of the deviate tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for all applicable on new and recompleted wells.

Fill out Sections I, II, III, and VI only for changes of own well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiple completed wells.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

NM OIL
CONS. DD
(See other in-
structions on
reverse side)CONS. DD
Form 9-330
Budget Bureau No. 42-R355.5

SF

5. LEASE OR INFORMATION AND SERIAL NO.

NM 22207

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
WASHINGTON RANCH GAS
STORAGE PROJECT

9. WELL NO.

24

10. FIELD AND POOL, OR WILDCAT
WASHINGTON RANCH/GAS P11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREA

Sec 34, T-25-S, R-24-E

12. COUNTY OR
PARISH
EDDY13. STATE
NEW MEXICO

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other GAS STORAGE

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESEV. ☐ Other

2. NAME OF OPERATOR

EL PASO NATURAL GAS COMPANY ✓

3. ADDRESS OF OPERATOR

1800 WILCO BUILDING - MIDLAND, TEXAS 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface

2063' FNL & 2452' FWL

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

15. DATE SPEUDED

16. DATE T.D. REACHED

17. DATE COMPL. (Ready to prod.)

18. ELEVATIONS (DF, REB, RT, GR, ETC.)*

19. ELEV. CASINGHEAD

3-27-82

5-1-82

6-5-82

3707' DF

3695'

20. TOTAL DEPTH, MD & TVD

21. PLUG, BACK T.D., MD & TVD

22. IF MULTIPLE COMPL.,
HOW MANY*23. INTERVALS
DRILLED BY

ROTARY TOOLS

CABLE TOOLS

7060'

6912'

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

25. WAS DIRECTIONAL
SURVEY MADE

6739-6839

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

Comp Neutron/Density, DIL, HBC Acoustilog, Prolog, CBI

No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8	32.30	810	12 1/4	1350 SX C1 C	None
7	23.00	6967	8 3/4	500 SX C1 H	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8	6856	

31. PERFORATION RECORD (Interval, size and number)

6739-6839' 4 spf (142 holes)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	ACID USED
	ACCEPTED FOR RECORD

33.*

PRODUCTION

DATE FIRST PRODUCTION

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)

NA

Flowing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
6-7-82	24 hrs	32/64"	→	---	3049	---	---
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
504 psi	600 psi	→	---	3049	---	---	---

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

TEST WITNESSED BY

EPNG pipeline

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

John D. Deck

TITLE

Supervisor Prod. Sec.

DATE

6-24-82

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

El Paso EXPLORATION
COMPANY

1800 WILCO BUILDING
MIDLAND, TEXAS 79701
PHONE: 915-684-5701

RECEIVED

WASHINGTON RANCH STORAGE PROJECT NO. 24

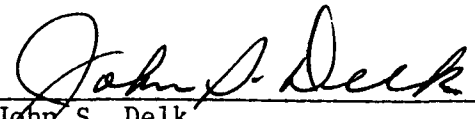
JUL 12 1982

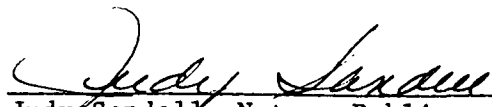
Sec. 34, T-25-S, R-24-E
Eddy County, New Mexico

O. C. D.
ARTESIA OFFICE

<u>DEPTH</u>	<u>HOLE SIZE</u>	<u>DEVIATION-DEGREES</u>
938	8 3/4"	2 3/4
1,342	8 3/4"	1 1/4
2,617	8 3/4"	1
3,084	8 3/4"	1
3,583	8 3/4"	3/4
4,080	8 3/4"	2 1/2
4,298	8 3/4"	3 3/4
4,498	8 3/4"	3
4,814	8 3/4"	3 1/4
5,064	8 3/4"	2
5,344	8 3/4"	4 1/4
5,622	8 3/4"	1 3/4
6,117	8 3/4"	1 1/2
6,291	8 3/4"	2
6,607	8 3/4"	1 1/2
7,000	8 3/4"	2 1/4

SWORN TO and SUBSCRIBED before me by John S. Delk on this the 11th
Day of June, 1982.


John S. Delk


Judy Sandell, Notary Public
State of Texas

My commission expires June 29, 1984

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

05. LEASE

NN 22207

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Washington Ranch Storage Project

9. WELL NO.

WI Federal #24

10. FIELD OR WILDCAT NAME

Washington Ranch

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

Sec 34, T-25-S, R-24-E

12. COUNTY OR PARISH

13. STATE

Eddy

NN

14. API NO.

NA

15. ELEVATIONS (SHOW DF, KDB, AND WD)

GR 3695

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 Storage JUL 23 1982

2. NAME OF OPERATOR
El Paso Natural Gas Co. ✓ O. C. D.

3. ADDRESS OF OPERATOR
1800 Wilco Bldg; Midland, Texas 79701

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 2063' FNL & 2452' FWL

AT TOP PROD. INTERVAL:

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 ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

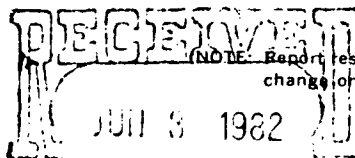
PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

CHANGE ZONES ☐

ABANDON* ☐

(other) Drilg Operation & Perf.



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

OIL & GAS

U.S. GEOLOGICAL SURVEY

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state and 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.)*

Drilled to 7000' and ran 7", 23#, N-80 casing set @ 6966.51'. Cmt'd with 500 sx Class "H" cement. Plug down @ 11:15 PM, 5-1-82. Released rig @ 6 PM, 5-2-82. Top of cmt @ 4950'. RU CPI Wireline and perforated 6831-6839, 6809-6816, 6799-6805, 6782-6792, 6771-6781, 6739-6741, 4 spf, .5" holes (142 holes). Ran 2 7/8", 6.5#, J-55 tubing set @ 6856.35'. Waiting on completion.

Project approved by NMOCD Order No. R-6175-A

Subsurface Safety Valve: Manu. and Type

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

SIGNED

Supv. Prod. Svc.

DATE

June 3, 1982

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD

JUL 21 1982
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MIN. COMS. COMMISSION
DD
Roswell, NM 88210

Form Approved.
Budget Bureau No. 42-R1424

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 Storage

2. NAME OF OPERATOR

El Paso Natural Gas Co.

3. ADDRESS OF OPERATOR

1800 Wilco Bldg.; Midland, Texas 79701

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 2063' FNL & 2452' FWL

AT TOP PROD. INTERVAL:

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 ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

CHANGE ZONES ☐

ABANDON* ☐

(other) Spud & Drlg Operations

5. LEASE
NM-22207

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Washington Ranch Storage Project WI

9. WELL NO.

WI Federal #24

10. FIELD OR WILDCAT NAME

Washington Ranch morrow

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

Sec 34, T-25-S, R-24-E

12. COUNTY OR PARISH

Eddy

13. STATE

NM

14. API NO.

NA

15. ELEVATIONS (SHOW DF, KDB, AND WD)

GR 3,695'

(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.)*

Spudded 12 1/4" hole 3-27-82 @ 9 PM, Young Drlg. Rig #5.
Drilled to 820' and ran 9 5/8", 32.3#, H-40 casing set @ 809.80'.
Cemented with 500 sx Class "C" cement and plug down @ 8:15 PM, 4-1-82.
Cemented backside w/1400 sx Class "C" cement. WOC 17 hrs. Tested casing 800 psi, Test OK. Reduced hole to 8 3/4" and resumed drilling operations.
Top of cement at surface.

MAY 26 1982

RECEIVED

MAY 21 1982

Project approved by NMOC D Order No. R-6175-A

Subsurface Safety Valve: Manu. and Type

O. C. D.
ARTESIA, OFFICE
Set @ Ft.

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

SIGNED John D. Clark TITLE Supv. Prod. Svc. DATE April 15, 1982

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

ACCEPTED FOR RECORD

MAY 20 1982

U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-12
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

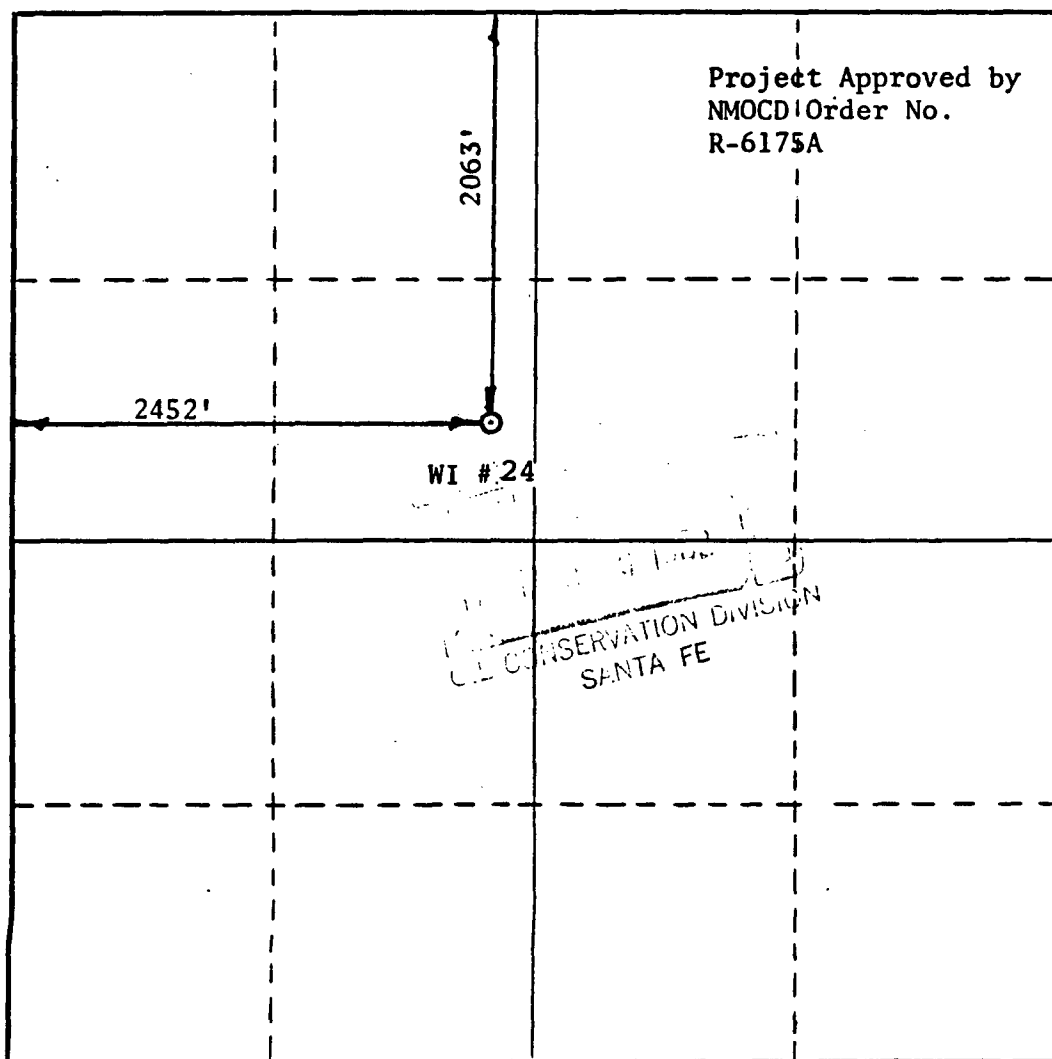
Operator El Paso Natural Gas Company			Lease Washington Ranch Storage Project		Well No. WI # 24
Unit Letter F	Section 34	Township 25-S	Range 24-E	County Eddy County, New Mexico	
Actual Footage Location of Well: 2063 feet from the North line and 2452 feet from the West line					
Ground Level Elev. 3695'	Producing Formation Morrow		Pool Washington Ranch		Dedicated Acreage: N/A Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

H. L. Mitchell

Name

H. L. Mitchell

Position

Area Drilling Eng.

Company

El Paso Natural Gas Co.

Date

2-4-82

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

1/26/82

Registered Professional Engineer and/or Land Surveyor

Earl H. Morris

Certificate No.

LS #1317

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600 6930 7260 7590 7920 8250 8580 8910 9240 9570 9900 0

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*

(Other instructions on
reverse side)Form approved.
Budget Bureau No. 42-R1426

30-015-74103

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

El Paso Natural Gas Co. v

3. ADDRESS OF OPERATOR

1800 Wilco Bldg., Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

2063' FNL, 2452' FWL

At proposed prod. zone

Same

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

6 Miles SW Whites City, NM

16. DISTANCE FROM PROPOSED*

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

NA

18. NO. OF ACRES IN LEASE

NA

17. NO. OF ACRES ASSIGNED
TO THIS WELL

NA

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

NA

19. PROPOSED DEPTH

7050'

20. ROTARY OR CABLE TOOLS

Rotary

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

3695 GR

22. APPROX. DATE WORK WILL START*

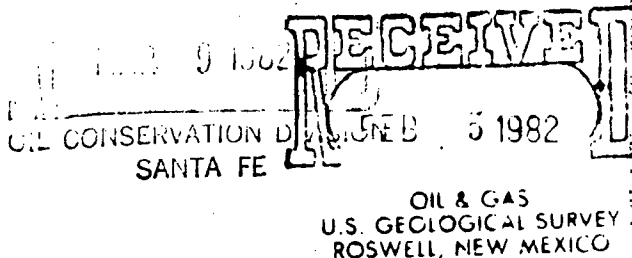
February 1982

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
16"	13 3/8" Cond	29.3 H-40	40'	30 cu.ft. Circulate
12 1/2"	9 5/8"	32.3 H-40	800'	630 cu.ft. Circulate
8 1/2"	7"	23.0 N-80	7050'	1341 cu.ft.

Project approved by NMOC Order No. R-6175-A.
Selectively perforate and treat the Morrow formation for gas storage.
A 3000 psi WP and 6000 psi test double gat BOP with blind and pipe
rams will be used for blowout prevention.



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

A. L. Mitchell

TITLE

Area Drilling Eng.

DATE

2-4-82

(This space for Federal or State office use)

APPROVED

PERMIT NO.

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL: MAR 3 1982

JAMES A. GILLHAM
DISTRICT SUPERVISOR

TITLE

APPROVAL SUBJECT TO:
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

*See Instructions On Reverse Side

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COUNTY	EDDY	FIELD	Washington Ranch	STATE	NM
OPR	EL PASO NATURAL GAS CO.			API	30-015-24103
NO	24	LEASE	Washington Ranch Gas Storage/	MAP	
	Sec 34, T25S, R24E /Project "WI" Federal			RECORD	
	2063 FNL, 2452 FWL of Sec				8-2-51 NM
	9 mi SW/White City			SPD	3-27-82
				CMP	6-7-82

CSC 9 5/8-810-1350 sx 7-6967-500 sx 2 7/8-6856	WELL CLASS: INIT D FIN DG LSE. CODE			
	FORMATION	DATUM	FORMATION	DATUM
	TD 7000 (MRRW)		PBD 6912	

IP (Morrow) Perfs 6739-6839 F 3049 MCFGPD. Pot based on 24 hr test thru 32/64 chk. GOR Dry; gty (Gas) (NR); CP 600; TP 504

PLC: El Paso Natural Gas Co.

CONTR	Young #5	OPRSTLEV	3695 GL, 3707 KB	sub-s 11
-------	----------	----------	------------------	----------

F.R. 2-15-82
PD 7050 RT (Morrow)

3-31-82 Drlg 618
4-5-82 TD 820; WOC
4-13-82 Drlg 4900
4-20-82 TD 6442; SDR
4-27-82 TD 6442; SDR
5-4-82 TD 7000; WOCU
5-18-82 TD 7000; PBD 6912; Prep Perf
6-2-82 TD 7000; PBD 6912; Tstg
Perf (Morrow) 6739-6839 w/4 SPF
Natural

8-9-82 TD 7000; PBD 6912; Complete
LOG TOPS: Delaware Sand 537, Cherry Canyon 1488,
Bone Spring 3580, Wolfcamp 5570, Strawn 5717,
Atoka 5930, Morrow Lime 6488, Morrow Clastics 6840
LOGS RUN: CNDL, DILL BHC, ACSL, CBND, VD, PDC
BHT 138 deg @ 6905

8-2-51 NM

EDDY
EL PASO NATURAL GAS
CO.

Washington Ranch
24 Washington Ranch
Gas Storage Project
"WI" Federal
Sec 34, T25S, R24E

NM
Page #2

8-9-82 Continued
Will be used as Gas Storage Well
8-14-82 COMPLETION ISSUED

8-2-51 NM
IC 30-015-70081-82

Dec. 1973

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Drafter: DD
Artesia, NM 88210

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 ☐ gas ☐ other Gas Storage

2. NAME OF OPERATOR
El Paso Natural Gas Co.

3. ADDRESS OF OPERATOR
1800 Wilco Bldg., Midland, Tx 79701

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 1715' FNL & 572' FWL

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

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:

☐
☐
☒
☐
☐
☐
☐
☐

RECEIVED BY

JUL 10 1984

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

O. C. D.

ARTESIA, OFFICE

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.)*

6-21/7-6, 1984

- 1.) Set tubing plug. RU and install 5000 psi hydraulic BOP.
- 2.) Rig up Snubbing unit, pull and lay down 2 7/8" production tubing.
- 3.) RU wireline unit and set Baker Model FA-1 permanent packer at 6690' wlm, with blanking plug below packer.
- 4.) Load 7" casing with water and pressure test to 3000 psig.
- 5.) Run 4 1/2" 11.6# K-55 tubing with Baker K-22 latch in seal assembly, circulate inhibited packer fluid, latch into packer.
- 6.) Nipple down BOP, Nipple up wellhead.
- 7.) Pressure test tubing to 3000 psig. Retrieve Blanking Plug, return to service.

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

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

SIGNED

David E. Myer

TITLE Area Prod. Eng.

DATE

7-13-84

ACCEPTED FOR RECORD

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY

TITLE

DATE

JUL 16 1984

*See Instructions on Reverse Side

NEW MEXICO

Dec. 1973

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 ☐ gas ☐ other ☒ Gas Storage Well

2. NAME OF OPERATOR

El Paso Natural Gas Co. ✓

3. ADDRESS OF OPERATOR

1800 Wilco Bldg., Midland, Texas 79701

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 1715' FNL & 572' FWL

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

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:

☐☐☐☐☐☐☐☐

RECEIVED BY

JUN 15 1984 (NOTE: Report results of multiple completion or zone change on Form 9-330.)

O. C. D.

ARTESIA, OFFICE

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.)*

1.) Move in and Rig up workover unit, set tubing plug.

2.) Remove wellhead and install BOP.

3.) Pull production tubing with snubbing unit.

4.) Run permanent packer on wireline and set +100' above perforations.

5.) Run production tubing, circulate treated packer fluid.

6.) Land tubing with latch in sub in packer, remove BOP, install wellhead.

7.) Remove tubing plug, release workover unit, return to service.

Subsurface Safety Valve: Manu. and Type

Set @ _____ Ft.

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

SIGNED

David E. Myer

TITLE Sr. Production Eng. DATE June 15, 1984

APPROVED BY

R. R. Ritzke

TITLE

P.E.

DATE

6/20/84

CONDITIONS OF APPROVAL, IF ANY:

COPIES RECEIVED

DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
PRORATION OFFICE	

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and
Effective 1-1-65

RECEIVED

Operating
EL PASO NATURAL GAS COMPANY
Address:
1800 WILCO BUILDING - MIDLAND, TEXAS 79701
Reason(s) for filing (check proper box)
New Well ☒ Change in Transporter of: Oil ☐ Dry Gas ☐
Recompletion ☐ Casinghead Gas ☐ Condensate ☐
Change in Ownership ☐
If change of ownership give name and address of previous owner _____

JUL 12 1982
JUL 29 1982
O. C. D.
RESIDIA, OFFICE
CONSERVATION DIVISION
GAS STORAGE WELL

II. DESCRIPTION OF WELL AND LEASE

Lease Name WASHINGTON RANCH GAS STORAGE PROJECT	Well No. 16	Pool Name, including Formation WASHINGTON RANCH/GAS POOL MORROW	Kind of Lease State, Federal or Fee FEDERAL
Location Unit Letter E ; 1715' Feet From The North Line and 572' Feet From The West Line of Section 34 , Township 25-S Range 24-E , NMPM, EDDY Coun			

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
EL PASO NATURAL GAS COMPANY	ATTN: PRODUCTION CONTROL P. O. BOX 1492, EL PASO, TEXAS 79788
If well produces oil or liquids, give location of tanks.	Is gas actually connected? When
	No

If this production is commingled with that from any other lease or pool, give commingling order number: _____

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Re
			X					
Date Spudded 1-22-82	Date Compl. Ready to Prod. 3-2-82	Total Depth 7000'		P.B.T.D. 6949'				
Pool WASHINGTON RANCH/GAS POOL MORROW	Name of Producing Formation MORROW	Top Oil/Gas Pay 6810'		Tubing Depth 6887'				
Perforations 6810'-6862'				Depth Casing Shoe 6950'				
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET		SACKS CEMENT				
12 1/4	9 5/8	815'		700 sxs Class "C"				
8 3/4	7	6950'		500 sxs Class "H"				
6 1/8	2 7/8	6887'						

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
2,052	24		
Testing Method (pilot, back pr.)	Tubing Pressure	Casing Pressure	Choke Size
Back Pressure	309 psi	392 psi	1/2"

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Supervisor Production Services

6-29-82
(Date)

OIL CONSERVATION COMMISSION

APPROVED **JUL 28 1982**, 19

BY **W. A. Gresset**

TITLE **SUPERVISOR, DISTRICT II**

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deeper well, this form must be accompanied by a tabulation of the deviate tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for all able on new and recompleted wells.

Fill out Sections I, II, III, and VI only for changes of own well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multi-completed wells.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYNM OIL CONS. COMMISSION
Form approved.
Budget Bureau No. 42-R355.5.

54

SUBMIT IN DUPLICATE

Artesian or other in
situations on
reverse side)5. LEASE DESIGNATION AND SERIAL NO.
NM 22207

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
WASHINGTON RANCH GAS
STORAGE PROJECT

9. WELL NO.

16

10. FIELD AND POOL, OR WILDCAT
WASHINGTON RANCH/GAS P11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREA

Sec 34, T-25-S, R-24-1

12. COUNTY OR
PARISH
EDDY13. STATE
NEW MEXICO

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other GAS STORAGE

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other

2. NAME OF OPERATOR

EL PASO NATURAL GAS COMPANY

3. ADDRESS OF OPERATOR

1800 WILCO BUILDING - MIDLAND, TEXAS 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 1715' FNL & 572' FWL

At top prod. interval reported below

At total depth

JUL 29 1982

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

1-22-82

16. DATE LOG REACHED

2-10-82

17. DATE COMPL. (Ready to prod.)

3-2-82

18. ELEVATIONS (DF, REB, RT, GR, ETC.)*

3762' DF

19. ELEV. CASINGHEAD

3750'

20. TOTAL DEPTH, MD & TVD

7000'

21. PLUG, BACK T.D., MD & TVD

6949'

22. IF MULTIPLE COMPL.,
HOW MANY*23. INTERVALS
DRILLED BY

ROBARY TOOLS

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

6810'-6862'

25. WAS DIRECTIONAL
SURVEY MADE

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

Comp Neutron/Density, BHC Sonic, DIL, Laser log, CBL

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
9 5/8	32.30	815'	12 1/4	700 sxs. Class "C"	None
7	23.00	6950'	8 3/4	500 sxs. Class "H"	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8	6887'	

31. PERFORATION RECORD (Interval, size and number)

6810'-6862'- 4 SPF

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
None	

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
N/A		Flowing				Shut in	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
2-27-82	24 hrs	1/2"	→	-	2,052	-	-
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
309 psi	392 psi	→	-	2052	ACCEPTED FOR RECORD		

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

EPNG Pipeline

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

John D. Deek

TITLE Supervisor Production Services

DATE

6-29-82

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

El Paso EXPLORATION
COMPANY

1800 WILCO BUILDING
MIDLAND, TEXAS 79701
PHONE: 915-684-5701

Case WT Edd
WASHINGTON RANCH STORAGE PROJECT NO. 16

Sec. 34, T-25-S, R-24-E
Eddy County, New Mexico

<u>DEPTH</u>	<u>HOLE SIZE</u>	<u>DEVIATION-DEGREES</u>
838	12 1/4"	1 1/2
1,318	8 3/4"	1 3/4
1,824	8 3/4"	1 1/4
2,402	8 3/4"	1 1/4
2,902	8 3/4"	1 1/2
3,397	8 3/4"	1 1/4
3,888	8 3/4"	3/4
4,389	8 3/4"	3/4
4,888	8 3/4"	1
5,386	8 3/4"	1 3/4
5,886	8 3/4"	2
6,377	8 3/4"	1 1/4
7,000	8 3/4"	1

SWORN TO and SUBSCRIBED before me by John S. Delk on this the 11th
Day of June, 1982.

John S. Delk
John S. Delk

Judy Sandell
Judy Sandell, Notary Public
State of Texas

My commission expires June 29, 1984

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

NM OIL CONS. COMMISSION

TERMINAL DD

Artesia, NM 88210

5. LEASE

NM 22207

RECEIVED

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

MAY - 6 1982

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 Storage

2. NAME OF OPERATOR

El Paso Natural Gas Company ✓

3. ADDRESS OF OPERATOR

1800 Wilco Bldg. - Midland, Texas 79701

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 1715' FNL & 572' FWL

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

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) Drlg Operations & perforate

SUBSEQUENT REPORT OF:

☐☐☐☐☐☐☐☐☐OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO
MAR 13 1982

(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.)*

Drilled to 7,000' and ran 7", 23#, N-80 casing set @ 6,949.97'. Cemented w/500 sx C1 "H" cmt. Job complete 12:44 PM, 2-12-82. Top of cement @ 3,800'. Released rig 2/12/82. On 2/26/82 RU McCullough and perforated 6,852-6,862, 6,836-6,848, 6,810-6,827, .5" holes, 4 spf (168 holes). Ran 2 7/8", 6.5#, J-55 tubing set @ 6,887.00'. Waiting on completion.

MAY 10 1982

OIL CONSERVATION DIVISION
SANTA FE

Project Approved by NMOCD Order No. R-6175-A

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

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

SIGNED

John D. Bell

TITLE

Suprv. Prod. Svcs.

DATE

March 12, 1982

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD

APR 27 1982

U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

*See Instructions on Reverse Side

UNITED STATES Artesia, NM 88210

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 Storage

2. NAME OF OPERATOR

El Paso Natural Gas Co.

3. ADDRESS OF OPERATOR

1800 Wilco Bldg; Midland, Texas 79701

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 1715' FNL & 572' FWL

AT TOP PROD. INTERVAL:

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 ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

CHANGE ZONES ☐

ABANDON* ☐

(other) Spud & Drlg Operation

5. LEASE

NM 22207

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Washington Ranch Storage Project WI Fed.

9. WELL NO.

WI Federal #16

10. FIELD OR WILDCAT NAME

Washington Ranch Morrow

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

Sec 34, T-25-S, R-24-E

12. COUNTY OR PARISH

Eddy

13. STATE

NM

14. API NO.

NA

15. ELEVATIONS (SHOW DF, KDB, AND WD)

GR 3750'

(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.)*

Spudded 12 1/4" hole on 1/22/82 at 7 PM, Young Drlg (Rig #5).

Drilled to 838' and ran 9 5/8", 32.3#, H-40 casing set @ 815.82'.

Cemented with 700 sx Class "C" cement and circulated 150 sx to surface.

Job complete at 9 AM, 1/24/82. TOC @ surface. WOC 30 1/4 hrs and tested

casing. Test OK. Reduced hole 8 3/4" and resumed drilling operations.

Project approved by MNOCD Order No. NR-6175-A

Subsurface Safety Valve: Manu. and Type

Set @

Ft.

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

SIGNED

John A. Chapman
JOHN A. CHAPMAN

TITLE Supv. Prod. Svc. DATE 2/9/82

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

FEB 19 1982

TITLE

DATE

U.S. GEOLOGICAL SURVEY
POWELL, NEW MEXICO

*See Instructions on Reverse Side

RECEIVED
FEB 12 1982

U.S. GEOLOGICAL SURVEY
POWELL, NEW MEXICO

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

NEW 1-1-65
Supersedes G-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

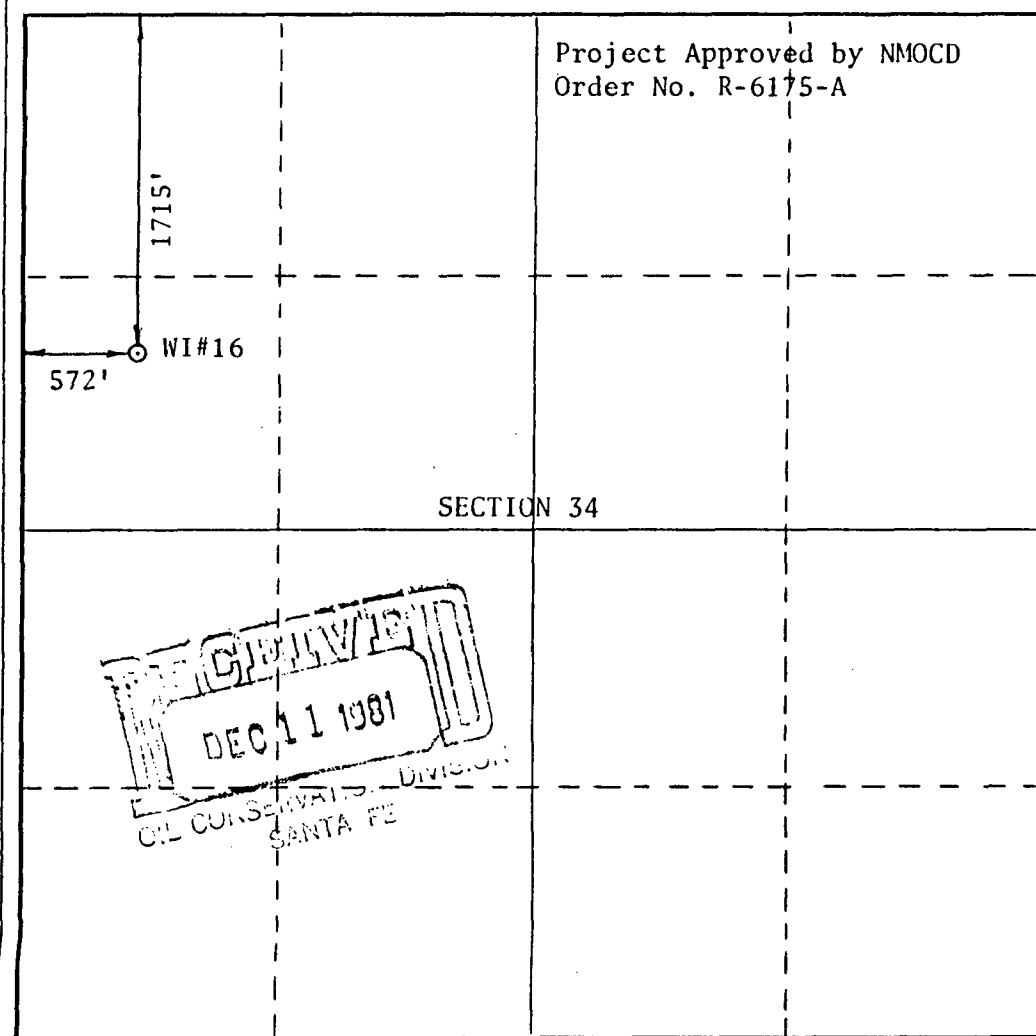
Operator El Paso Natural Gas Co.			Lease Washington Ranch Storage Project <i>WI #16</i>		Well No. WI#16
Unit Letter E	Section 34	Township 25-S	Range 24-E	County Eddy County, New Mexico	
Actual Footage Location of Well: 1715 feet from the North line and 572 feet from the West line					
Ground Level Elev. 3750	Producing Formation Morrow	Pool Washington Ranch		Dedicated Acreage: N/A Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. **NA**
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). **NA**
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc? **NA**

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Larry H. Mitchell
Larry H. Mitchell

Name

H. L. Mitchell

Position

Dr. Engr.

Company

El Paso Natural Gas Co.

Date

11-11-81

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

4-21-81

Registered Professional Engineer
and/or Land Surveyor

Emil J. Montalvo

Certificate No.

LS #1317

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-015-24019

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 Storage

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

El Paso Natural Gas Co. ✓

3. ADDRESS OF OPERATOR

1800 Wilco Bldg. - Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

1715' FNL, 572' FWL

At proposed prod. zone

Same

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

6 miles SW Whites City, NM

15. DISTANCE FROM PROPOSED*

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

NA

16. NO. OF ACRES IN LEASE

NA

17. NO. OF ACRES ASSIGNED
TO THIS WELL

NA

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

NA

19. PROPOSED DEPTH

+7,050'

20. ROTARY OR CABLE TOOLS

Rotary

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

3750' GR

22. APPROX. DATE WORK WILL START*

Jan 15, 1982

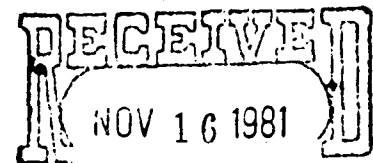
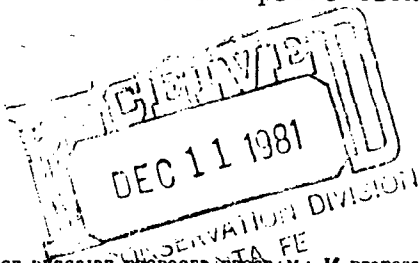
23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
16"	13 3/8" Cond	29.3 H-40	40'	30 cu ft
12 1/4"	9 5/8"	32.3 H-40	800'	630 cu ft to circ.
8 1/2"	7"	23.0 H-80	7,050'	1341 cu ft

Project approved yb NMOCD Order No. R-6175-A.

Selectively perforate and treat the Morow formation for gas storage.

A 3000 psi WP and 6000 psi test double gate BOP w/blind and pipe rams will
be used for blowout prevention.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

TITLE

Drilg. Engr.

DATE

11-11-81

(This space for Federal or State office use)

PERMIT NO.

APPROVED

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL,

DEC 7 1981

TITLE

DATE

JAMES A. GILLHAM
DISTRICT SUPERVISOR

*See Instructions On Reverse Side

(7) Petroleum Information

COUNTY EDDY FIELD Washington Ranch STATE NM
 OPR EL PASO NATURAL GAS CO. API 30-015-24019
 NO 16 LEASE Washington Ranch Gas Storage Project MAP
 Sec 34, T25S, R24E /"WI" Federal CO-ORD
 1715 FNL, 572 FWL of Sec 8-2-46 NM
 9 mi SW/White City SPD 1-22-82 CMP 2-27-82

CSC	WELL CLASS: INITIW FIN DG LSE CODE			
	FORMATION	DATUM	FORMATION	DATUM
9 5/8-815-700 sx				
7-6950-500 sx				
2 7/8-6887				
	ID 7000 (MRRW)		PBD 6949	

IP (Morrow) Perfs 6810-62 F 2052 MCFGPD. Pot based on 24 hr test thru 1/2 chk. GOR Dry; gty (Gas) (NR); CP 392; TP 309

PLC: El Paso Natural Gas Co.

CONTR Young #4 OPRSTEV 3750 GL, 3762 KB sub-s 11

F.R. 11-30-81
 PD 7050 RT (Morrow)
 8-14-82 AMEND WELL NUMBER & ADD LEASE DESIGNATION:
 Formerly WI-16
 2-2-82 Drlg 2040
 2-10-82 TD 7000; Stuck DP
 2-16-82 TD 7000; WOCU
 No Cores or DSTs
 3-3-82 TD 7000; PBD 6949; SI
 Perf (Morrow) 6810-26, 6836-48, 6852-62 w/4 SPF
 Natural
 8-9-82 TD 7000; PBD 6949; Complete
 LOG TOPS: Delaware Sand 577, Cherry Canyon
 1475, Bone Spring 3580, Wolfcamp 5511, Strawn
 5676, Atoka 5970, Morrow Lime 6530, Morrow Clastic:
 6648
 LOGS RUN: CNDL, BSL, DI, LASER, CBND
 Will be used as Gas Storage Well
 8-14-82 COMPLETION ISSUED 8-2-46 NM
 IC 30-015-70549-81

RECEIVED BY

SEP 13 1984

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.)

O. C. D. oil well ☐ gas well ☐ other Gas Storage ☐
ARTESIA, OFFSHORE

2. NAME OF OPERATOR

El Paso Natural Gas Co. ✓

3. ADDRESS OF OPERATOR

1800 Wilco Bldg., Midland, Tx 79701

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below)

AT SURFACE: 1154' FSL & 572' FWL

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

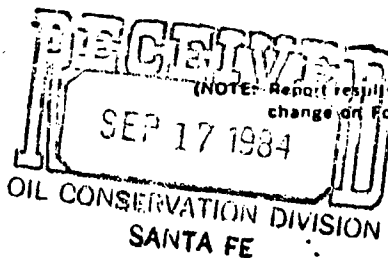
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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:

☐
☐
☐
☒
☐
☐
☐
☐



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.)*

- 1.) Set tubing plug. RU and install 5000 psi hydraulic BOP.
- 2.) RU Snubbing unit, pull and lay down 2 7/8" production tubing.
- 3.) RU wireline unit and set Baker Model D permanent packer at 6660' wlm, with blanking plug below packer.
- 4.) Load 7" casing with water and pressure test to 3000 psig.
- 5.) Run 2 7/8" J-55 6.5# tubing with Baker E-22 latch in seal assembly, circulate inhibited packer fluid, latch into packer.
- 6.) Nipple down BOP, Nipple up wellhead.
- 7.) Pressure test tubing to 3000 psig. Retrieve blanking plug, return to service.

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

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

SIGNED D. J. Myers TITLE Area Prod. Eng. DATE 9-10-84

ACCEPTED FOR RECORD

(This space for Federal or State office use)

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

SEP 12 1984

Carl Hobbs

NEW MEXICO

*See Instructions on Reverse Side

5. LEASE
NM-22207

6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____

7. UNIT AGREEMENT NAME _____

8. FARM OR LEASE NAME

Washington Ranch Storage Project

9. WELL NO.

WE Fed.

13

10. FIELD OR WILDCAT NAME

Washington Ranch Morrow

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

Sec. 34, T-25-S, R-24-E

12. COUNTY OR PARISH | 13. STATE
Eddy | N. Mex

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
GR 3731'

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 ☐ Gas Storage Well

2. NAME OF OPERATOR

El Paso Natural Gas Co. ✓

3. ADDRESS OF OPERATOR

1800 Wilco Bldg., Midland, Texas 79701

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 1154' FSL & 572' FWL

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

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:

☐
☐
☐
☐
☐
☐
☐
☐
☐

RECEIVED BY

JUN 17 1984

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

O. C. D.

ARTESIA, OFFICE

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.)*

1.) Move in and Rig up workover unit, set tubing plug.

2.) Remove wellhead and install BOP.

3.) Pull production tubing with snubbing unit.

4.) Run permanent packer on wireline and set +100' above perfs.

5.) Run production tubing, circulate treated packer fluid.

6.) Land tubing with latch in sub in packer, remove BOP, install wellhead.

7.) Remove tubing plug, release workover unit, return to service.

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

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

SIGNED E. Myers TITLE Sr. Production Eng. DATE June 15, 1984

(This space for Federal or State office use)

APPROVED BY R. B. [Signature]
CONDITIONS OF APPROVAL, IF ANY:

TITLE P.E.

DATE 6/20/84

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	<input checked="" type="checkbox"/>
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	<input type="checkbox"/>
	<input type="checkbox"/>
OPERATOR	
PRODUCTION OFFICE	

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and
Effective 1-1-65

JUL 12 1982

O. C. D.
ARTESIA, OFFICE

I. OPERATOR
EL PASO NATURAL GAS COMPANY ✓
Address
1800 WILCO BUILDING - MIDLAND, TEXAS 79701
Reason(s) for filing (check proper box)
New Well ☒ Change in Transporter of:
Recompletion ☐ Oil ☐ Dry Gas ☐
Change in Ownership ☐ Casinghead Gas ☐ Condensate ☐
Other (Please explain)
GAS STORAGE WELL

If change of ownership give name
and address of previous owner

JUL 29 1982

II. DESCRIPTION OF WELL AND LEASE

Lease Name WASHINGTON RANCH GAS STORAGE PROJECT Well No. 13 Post Name, including Formation WASHINGTON RANCH/GAS POOL MORROW Kind of Lease SANTA FE
Location Unit Letter M ; 1154' Feet From The South Line and 572' Feet From The West
Line of Section 34 , Township 25-S Range 24-E , NMPM, EDDY Co.

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☐ Address (Give address to which approved copy of this form is to be sent)
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒ Address (Give address to which approved copy of this form is to be sent)
EL PASO NATURAL GAS COMPANY ATTN: PRODUCTION CONTROL
P. O. BOX 1492, EL PASO, TEXAS 79788
If well produces oil or liquids, give location of tanks. Unit Sec. Twp. Rge. Is gas actually connected? When
No

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Re
		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
Date Spudded <u>1-19-82</u>	Date Compl. Ready to Prod. <u>3-7-82</u>	Total Depth <u>7100'</u>			P.B.T.D. <u>7000'</u>			
Pool <u>WASHINGTON RANCH/GAS POOL MORROW</u>	Name of Producing Formation <u>MORROW</u>	Top Oil/Gas Pay <u>6772'</u>			Tubing Depth <u>6955'</u>			
Perforations <u>6772'-6928'</u>			Depth Casing Shoe <u>7099'</u>					

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
<u>12 1/4</u>	<u>9 5/8</u>	<u>815'</u>	<u>500 sxs. RFC Cement</u>
<u>8 3/4</u>	<u>7</u>	<u>7099'</u>	<u>500 sxs Class "H"</u>
<u>6 1/8</u>	<u>2 7/8</u>	<u>6955'</u>	

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test-MCF/D <u>399</u>	Length of Test <u>24 hrs</u>	Bbls. Condensate/MMCF <u>-</u>	Gravity of Condensate <u>-</u>
Testing Method (pilot, back pr.) <u>Back Pressure</u>	Tubing Pressure <u>51 psi</u>	Casing Pressure <u>170 psi</u>	Choke Size <u>1/2"</u>

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

John P. Deek
(Signature)
Supervisor Production Services
(Title)
6-28-82
(Date)

OIL CONSERVATION COMMISSION

JUL 28 1982

APPROVED W. A. Gressitt
BY W. A. Gressitt
TITLE SUPERVISOR, DISTRICT 11

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepen well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for all wells on new and recompleted wells.

Fill out Sections I, II, III, and VI only for changes of owner, well name or number, or transporter, or other such change of conditions.

Separate Forms C-104 must be filed for each pool in multi-completed wells.

El Paso EXPLORATION
COMPANY

1800 WILCO BUILDING
MIDLAND, TEXAS 79701
PHONE: 915-684-5701
RECEIVED

JUL 12 1982

WASHINGTON RANCH STORAGE PROJECT NO. 13

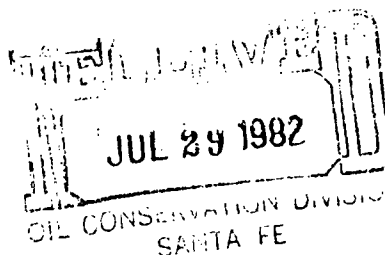
O. C. D.
ARTESIA, OFFICE

Sec. 34, T-25-S, R-24-E
Eddy County, New Mexico

<u>DEPTH</u>	<u>HOLE SIZE</u>	<u>DEVIATION-DEGREES</u>
820	8 3/4"	1/2
1,404	8 3/4"	1/2
1,904	8 3/4"	1/2
2,401	8 3/4"	3/4
2,904	8 3/4"	1 1/4
3,402	8 3/4"	1 3/4
3,904	8 3/4"	1 3/4
4,114	8 3/4"	1 1/2
4,615	8 3/4"	1 1/2
5,115	8 3/4"	1 1/2
5,607	8 3/4"	1 3/4
6,103	8 3/4"	2 1/4
6,508	8 3/4"	2
7,100	8 3/4"	1 1/4

SWORN TO and SUBSCRIBED before me by John S. Delk on this the 11th
Day of June, 1982.

John S. Delk
John S. Delk



Judy Sandell
Judy Sandell, Notary Public
State of Texas

My commission expires June 29, 1984

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.

NM 22207

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

WASHINGTON RANCH GAS
STORAGE PROJECT

9. WELL NO.

13

10. FIELD AND POOL, OR WILDCAT

WASHINGTON RANCH/GAS PO

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

Sec 34, T-25-S, R-2

12. COUNTY OR
PARISH
EDDY

13. STATE

NEW MEXICO

1a. TYPE OF WELL:

OIL
WELL ☐GAS
WELL ☒DRY ☐

Other GAS STORAGE

1b. TYPE OF COMPLETION:

NEW
WELL ☒WORK
OVER ☐DEEP-
EN ☐PLUG
BACK ☐DIFF.
ESVR. ☐

Other

2. NAME OF OPERATOR

EL PASO NATURAL GAS COMPANY

3. ADDRESS OF OPERATOR

1800 WILCO BUILDING - MIDLAND, TEXAS - 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface

1154' ESL 572' FWL

At top prod. interval

At total depth

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

1-19-82

16. DATE T.B. REACHED

2-10-82

17. DATE COMPL. (Ready to prod.)

3-7-82

18. ELEVATIONS (DF, RB, ET, OR, ETC.)*

3742' DF

19. ELEV. CASINGHEAD

3731'

20. TOTAL DEPTH, MD & TVD

7100'

21. PLUG, BACK T.D., MD & TVD

7000'

22. IF MULTIPLE COMPL.,
HOW MANY*23. INTERVALS
DRILLED BY

ROTARY TOOLS

CABLE TOOLS

X

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

6772'-6928' Morrow Clastics

25. WAS DIRECTIONAL
SURVEY MADE

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

Comp Neutron/Density, BHC Sonic, DIL, Laser log, CBL

27. WAS WELL CORED

No

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

CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8	32.30	815'	12 1/4	500 sxs. RFC Cement	None
7	23.00	7099'	8 3/4	500 sxs. Class "H"	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8	6955'	

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

6772'-6928' 4 SPF

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)

None

AMOUNT AND KIND OF MATERIAL USED

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
N/A		Flowing				Shut in	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
3-7-82	24 hrs	1/2"	→	-	399		-
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
51 psi	170 psi	→	-	399			

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

EPNG Pipeline

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

John P. Deek

TITLE

Supervisor

U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

DATE

6-29-82

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

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
NM OIL CONS. COMMISSION
Drawer DD
Artesia, NM 88210

5. LEASE

NM 22207

6. IF INDIAN, ALLOTTEE OR TRIBE NAME MAY - 6 1982

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 Storage

2. NAME OF OPERATOR

El Paso Natural Gas Company /

3. ADDRESS OF OPERATOR

1800 Wilco Bldg. - Midland, Texas 79701

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 1154' FSL & 572' FWL

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

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:

☐☐☐☐☐☐☐☐

Drllg Operations & perforate

RECEIVED
MAR 16 1982

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

ON 4-10-82

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.)*

Drilled to 7,100' and ran 7", 23#, N-80 casing set @ 7099.35'.
Cemented with 500 sx C1 "H" cement. Job complete 4:30 AM, 2-11-82.
Top of cement at 4,840'. Released rig 2/11/82. On 3/6/82, RU CRC and perforated 6,772-6,776, 6,792-6,798, 6,830-6,837, 6,902-6,928, 4 spf, .5" holes (188 holes). Ran 2 7/8", 6.5#, J-55 tubing set @ 6,955.00'.
Waiting on completion..

MAY 10 1982

Project Approved by NMOC Order No. R-6175-A

Subsurface Safety Valve: Manu. and Type

Set @ _____ Ft.

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

SIGNED

John P. DeLoach

TITLE

Suprv. Prod. Svcs.

DATE

March 12, 1982

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD

APR 27 1982

U.S. GEOLOGICAL SURVEY
ROSWell, NEW MEXICO

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Drawer DD
Artesia, NM 88210

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 Storage
2. NAME OF OPERATOR
El Paso Natural Gas Co.
3. ADDRESS OF OPERATOR
1800 Wilco Bldg; Midland, Texas 79701
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1154' FSL & 572' FWL
AT TOP PROD. INTERVAL:
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 type="checkbox"/> |
| (other) <u>Spud & Drlg Operations</u> | | |

5. LEASE
NM-22207
6. IF INDIAN, ALLOTTEE OR TRIBESMAN NAME 24 1982
7. UNIT AGREEMENT NAME
O. C. D.
8. FARM OR LEASE NAME
Washington Ranch Storage Project W.I. #
9. WELL NO.
WI Federal #13
10. FIELD OR WILDCAT NAME
Washington Ranch Morrow
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 34, T-25-S, R-24-E
12. COUNTY OR PARISH
Eddy
13. STATE
NM
14. API NO.
NA
15. ELEVATIONS (SHOW DF, KDB, AND WD)
GR 3731'

(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.)*

On 1-19-82, spudded 12 1/4" hole @ 7:30 PM, Young Drlg (Rig #4).
Drilled to 820' and ran 9 5/8", 32.3#, H-40 casing set @ 815.25'.
Cemented w/500 sx RFC cement and circulated 50 sx to surface. Job complete 12:20 AM, 1-21-82. Top of cement at surface. WOC 18 3/4 hrs.
Tested casing, test OK. Reduced hole to 8 3/4" and resumed drlg operations.

Project approved by NMOCD Order No. R-6175-A.

U.S. GEOLOGICAL SURVEY
SANTA FE

RECEIVED
FEB 12 1982

Subsurface Safety Valve: Manu. and Type

Set @ Oil & Gas Ft.
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

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

SIGNED John S. Deek TITLE Supv. Prod. Svc. DATE 2/9/82

(This space for Federal or State office use)

APPROVED BY FOR RECORD
CONDITIONS OF APPROVAL CHAMPMAN

TITLE DATE

FEB 19 1982

U.S. GEOLOGICAL SURVEY

*See Instructions on Reverse Side

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form 7-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

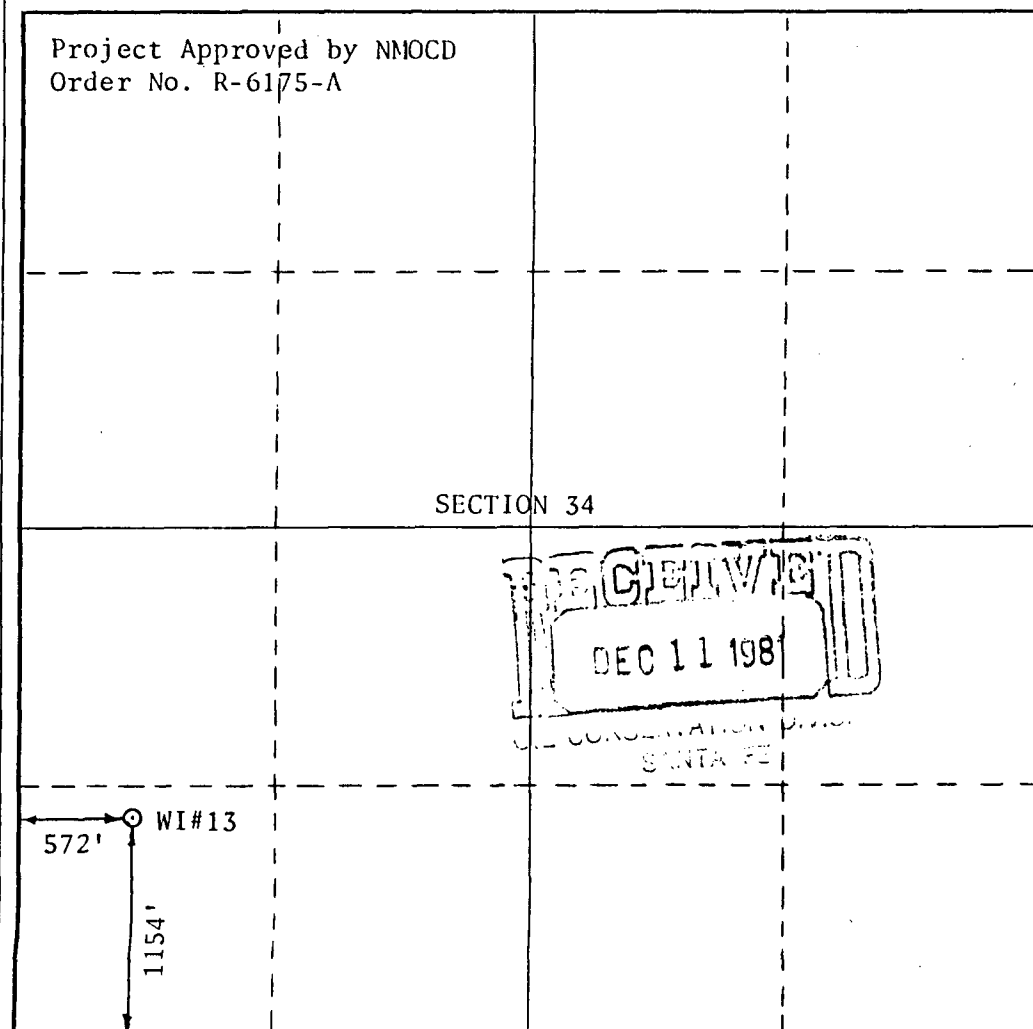
Operator El Paso Natural Gas Co.			Lease WI#13 Washington Ranch Storage Project		Well No. WI#13
Unit Letter M	Section 34	Township 25-S	Range 24-E	County Eddy County, New Mexico	
Actual Footage Location of Well:					
1154 feet from the South line and		572 feet from the West line			
Ground Level Elev. 3731	Producing Formation Morrow	Pool Washington Ranch		Dedicated Acreage: N/A	Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. **NA**
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). **NA**
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc? **NA**

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

H. L. Mitchell

Name

H. L. Mitchell

Position

Drlg. Engr.

Company

El Paso Natural Gas Co.

Date

11-11-81

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

4-20-81

Registered Professional Engineer
and/or Land Surveyor

Earl H. Montell

Certificate No.
LS #1317



83210
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY30-015-24017
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 Storage

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

El Paso Natural Gas Co.

3. ADDRESS OF OPERATOR

1800 Wilco Bldg, Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

1154' FSL, 572' FWL

At proposed prod. zone

Same

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

6 miles SW whites City, New Mex.

15. DISTANCE FROM PROPOSED*

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

NA

16. NO. OF ACRES IN LEASE

NA

17. NO. OF ACRES ASSIGNED
TO THIS WELL

NA

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

NA

19. PROPOSED DEPTH

+ 7,050

20. ROTARY OR CABLE TOOLS

Rotary

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

3731' GR

22. APPROX. DATE WORK WILL START*

Dec. 15, 1981

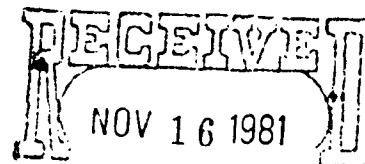
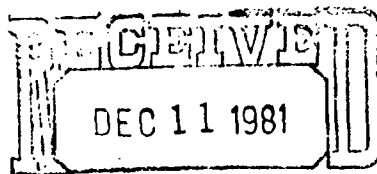
23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
16"	13 3/8" Cond	29.3 H-40	40'	30 cu ft
12 1/4"	9 5/8"	32.3 H-40	800'	630 cu ft to circ. CIRCULATE
8 1/2"	7"	23.0 H-80	7,050'	1341 cu ft

Project approved by MNOCD Order No. R-6175-A.

Selectively perforate and treat the Morrow formation for gas storage.

A 3000 psi W.P. and 6000 psi test double gate BOP w/blind and pipe rams will
be used for blowout prevention.OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout prevention program, if any.

24.

SIGNED

Larry Mitchell

TITLE Drlg. Engr.

DATE 11-11-81

(This space for Federal or State office use)

PERMIT NO.

APPROVED

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL

DEC 7 1981

TITLE

DATE

JAMES A. GILLHAM,
DISTRICT SUPERVISOR

*See Instructions On Reverse Side

(7) Petroleum Information.

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COUNTY EDDY FIELD Washington Ranch STATE NM
OPR EL PASO NATURAL GAS CO. API 30-015-24017
O 13 LEASE Washington Ranch Gas Storage Project/MAP
Sec 34, T25S, R24E /"WI" Federal CO-ORD
1154 FSL, 572 FWL of Sec 8-2-44 NM
9 mi SW/White City SPD 1-19-82 CMP 3-7-82

CSC 9 5/8-815-500 sx 7-7099-500 sx 2 7/8-6955	WELL CLASS: INIT IW FINDG LSE. CODE			
	FORMATION	DATUM	FORMATION	DATUM
	TD 7100 (MRRW)		PBD 7000	

IP (Morrow) Perfs 6772-6928 F 399 MCFGPD. Pot based on 24
hr test thru 1/2 chk. GOR Dry; gty (Gas) (NR); CP 170; TP 51

PLC: El Paso Natural Gas Co.

CONTR Young #5 OPRSELEV 3731 GL, 3743 KB sub-s 11

F.R. 11-30-81
PD 7050 RT (Morrow)
8-14-82 AMEND WELL NUMBER & ADD LEASE DESIGNATION:
Formerly WI-13
1-26-82 TD 3313; SDR
2-2-82 Drlg 5516
2-10-82 TD 7100; Prep Log
2-16-82 TD 7100; WOCU
No Cores or DSTs
3-9-82 TD 7100; PBD 7000; SI
Perf (Morrow) 6772-76, 6792-98, 6830-37, 6902-28
w/4 SPF
Natural
8-9-82 TD 7100; PBD 7000; Complete
LOG TOPS & LOGS RUN (NA)
Will be used as Gas Storage Well
8-14-82 COMPLETION ISSUED

8-2-44 NM

IC 30-015-70547-81

Artesia, NM 88210
RECEIVED BY

GEOLOGICAL SURVEY

SEP 13 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.)

O. E. D.

ARTESIA, NM

gas well ☐

other Gas Storage ☐

2. NAME OF OPERATOR

El Paso Natural Gas Co. ✓

3. ADDRESS OF OPERATOR

1800 Wilco Bldg., Midland, Tx 79701

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below)

AT SURFACE: 1714' FWL & 139' FSL

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

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:

SEP 17 1984
OIL CONSERVATION DIVISION
SANTA FE

5. LEASE

NM-22207

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Washington Ranch Storage Project

9. WELL NO.

11

10. FIELD OR WILDCAT NAME

Washington Ranch Morrow

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

Sec. 34, T-25-S, R-24-E

12. COUNTY OR PARISH

Eddy

13. STATE

N. Mex

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
3731'

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.)*

6-26/7-31

- 1.) Set tubing plug. RU and install 5000 psi hydraulic BOP.
- 2.) RU Snubbing unit, pull and lay down 2 7/8" production tubing.
- 3.) RU wireline unit and set Baker Model D permanent packer at 6600' wlm, with blanking plug below packer.
- 4.) Load 7" casing with water and pressure test to 3000 psig.
- 5.) Run 2 7/8" J-55 6.5# tubing with Baker E-22 latch in seal assembly, circulate inhibited packer fluid, latch into packer.
- 6.) Nipple down BOP, Nipple up wellhead.
- 7.) Pressure test tubing to 3000 psig. Retrieve blanking plug, return to service.

Subsurface Safety Valve: Manu. and Type

Set @ Ft.

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

SIGNED

[Signature]

TITLE Area Prod. Eng.

DATE 9-10-84

ACCEPTED FOR RECORD

(This space for Federal or State office use)

APPROVED BY

[Signature]

TITLE

DATE

CONDITIONS OF APPROVAL IF ANY

SEP 12 1984

[Signature]

NEW MEXICO *See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

5. LEASE
MISSION NM-22207

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Washington Ranch Storage Project

9. WELL NO.
11

10. FIELD OR WILDCAT NAME
Washington Ranch Morrow

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 34, T-25-S, R-24-E

12. COUNTY OR PARISH
Eddy

13. STATE
N. Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
GR. 3731'

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 ☐ gas ☐ other ☒ Gas Storage Well

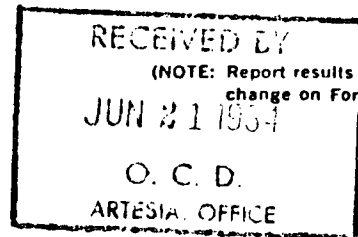
2. NAME OF OPERATOR
El Paso Natural Gas Co.

3. ADDRESS OF OPERATOR
1800 Wilco Bldg., Midland, Texas 79701

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1714' FWL & 139' FSL
AT TOP PROD. INTERVAL:
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 checked="" type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) <input type="checkbox"/>	<input type="checkbox"/>



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.)*

- 1.) Move in and Rig up workover unit, set tubing plug.
- 2.) Remove wellhead and install BOP.
- 3.) Pull production tubing with snubbing unit.
- 4.) Run permanent packer on wireline and set +100' above perfs.
- 5.) Run production tubing, circulate treated packer fluid.
- 6.) Land tubing with latch in sub in packer, remove BOP, install wellhead.
- 7.) Remove tubing plug, release workover unit, return to service.

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

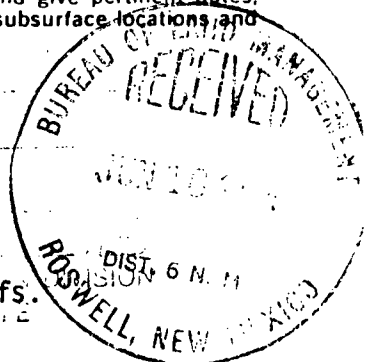
18. I hereby certify that the foregoing is true and correct

SIGNED David E. Myer TITLE Sr. Production Eng. DATE June 15, 1984

(This space for Federal or State office use)

APPROVED BY R. Pitelka TITLE P.E. DATE 6/20/84

CONDITIONS OF APPROVAL, IF ANY:



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE TO THE COMMISSION

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

SF

Artesia, NM 88400
(See other instructions on reverse)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other <u>GAS STORAGE</u>		5. LEASE DESIGNATION AND SERIAL NO. NM 22207	
2. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. REVR. <input type="checkbox"/> Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. NAME OF OPERATOR EL PASO NATURAL GAS COMPANY ✓		7. UNIT AGREEMENT NAME	
4. ADDRESS OF OPERATOR 1800 WILCO BUILDING - MIDLAND, TEXAS 79701		8. FARM OR LEASE NAME WASHINGTON RANCH GAS STORAGE/PROJECT	
9. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface <u>FWL 161592 FSL</u> At top prod. interval reported below At total depth <u>JUL 29 1982</u>		9. WELL NO. 11	
10. FIELD AND POOL, OR WILDCAT WASHINGTON RANCH/GAS POOL		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 34, T-25-S, R-24	
12. COUNTY OR PARISH EDDY		13. STATE NEW MEXICO	
14. PERMIT NO. _____ DATE ISSUED _____		15. DATE SPUNDED 11-29-81	
16. DATE T.D. REACHED 12-23-81		17. DATE COMPL. (Ready to prod.) 2-6-82	
18. ELEVATIONS (DF, REB, RT, OR, ETC.)* 3743 KB		19. ELEV. CASINGHEAD 3731'	
20. TOTAL DEPTH, MD & TVD 7000'		21. PLUG BACK T.D., MD & TVD 6957'	
22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DELETED BY	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 6760'-6930' Morrow Clastics		25. WAS DIRECTIONAL SURVEY MADE NO	
26. TYPE ELECTRIC AND OTHER LOGS RUN Comp Neutron Density, BHC, DIL, Atlas Prolog, CBL		27. WAS WELL CORED Yes	
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
9 5/8	32.30	804'	12 1/4
7	23.00	6992'	8 3/4
CEMENTING RECORD		AMOUNT PULLED	
500 sxs Class "C"		None	
500 sxs Class "H"		None	
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
30. TUBING RECORD		PACKER SET (MD)	
SIZE	DEPTH SET (MD)		
2 7/8	6945'		
31. PERFORATION RECORD (Interval, size and number) 6760'-6930' 4 SPF (276 holes)			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
None		ACCEPTED FOR RECORD	
33. PRODUCTION			
DATE FIRST PRODUCTION N/A		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing	
DATE OF TEST 2-8-82	HOURS TESTED 24 hrs	CHOKER SIZE 32/64"	PROD'N. FOR TEST PERIOD →
FLOW. TUBING PRESS. 73 psi	CASING PRESSURE 87 psi	CALCULATED 24-HOUR RATE →	OIL—BBL. - GAS—MCF. 530
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) EPNG Pipeline		TEST WITNESSED BY	
35. LIST OF ATTACHMENTS			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED <u>John P. Deek</u>		TITLE <u>Supervisor Production Services</u>	

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

El Paso EXPLORATION
COMPANY

1800 WILCO BUILDING
MIDLAND, TEXAS 79701

PHONE: 915-684-5701

RECEIVED

WASHINGTON RANCH STORAGE PROJECT NO. 11

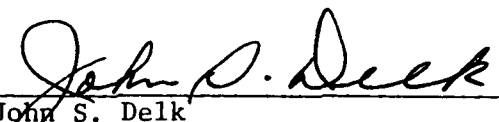
JUL 12 1982

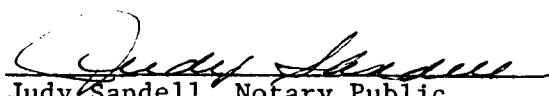
Sec. 34, T-25-S, R-24-E
Eddy County, New Mexico

O. C. D.
ARTESIA OFFICE

<u>DEPTH</u>	<u>HOLE SIZE</u>	<u>DEVIATION-DEGREES</u>
820	8 3/4"	1
1,407	8 3/4"	1 1/4
1,909	8 3/4"	2
2,407	8 3/4"	1
2,901	8 3/4"	3/4
3,398	8 3/4"	1
3,604	8 3/4"	1/2
4,020	8 3/4"	1/2
4,548	8 3/4"	3/4
5,014	8 3/4"	1 3/4
5,500	8 3/4"	1 1/2
6,009	8 3/4"	1 1/2
6,503	8 3/4"	1 1/2

SWORN TO and SUBSCRIBED before me by John S. Delk on this the 11th
Day of June, 1982.


John S. Delk


Judy Sandell, Notary Public
State of Texas

My commission expires June 29, 1984

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 ☐ Storage

2. NAME OF OPERATOR
El Paso Natural Gas Co.

3. ADDRESS OF OPERATOR
1800 Wilco Bldg.; Midland, Texas 79701

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1714' FWL & 139' FEL
AT TOP PROD. INTERVAL:
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 type="checkbox"/>
(other) <u>Perforate & Rn tbg</u>			

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.)*

On 2-4-82, RU McCullough and perforated 6,930-6,922, 6,909-6,900, 6,899-6,893, 6,879-6,870, 6,830-6,821, 6790-6,760, 4 spf, .5" holes (276 holes). Ran 2 7/8" 6.5#, J-55 tbg, set @ 6,944.72'. Waiting on completion.

RECEIVED
OIL CONSERVATION DIVISION
SANTA FE

Project approved by NMOCD Order No. R-6175-A

RECEIVED
FEB 12 1982

OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

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

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

SIGNED John A. Beck FOR RECORD _____ Supv. Prod. Svc. DATE 2-9-82

(This space for Federal or State office use)
APPROVED BY _____ FEB 10 1982 TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

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 Storage JAN 27 1982
2. NAME OF OPERATOR
El Paso Natural Gas Co.
3. ADDRESS OF OPERATOR
1800 Wilco Bldg; Midland, Texas 79701
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1714' FWL & 139' FSL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:
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) Drilg Operations

SUBSEQUENT REPORT OF:

- ☐
☐
☐
☐
☐
☐
☐
☐

(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.)*

Drilled to 7000' and rn 7", 23#, N-80 csg set @ 6992'. Cemented w/500 sx Class "H" cement; Plug dwn @ 12 midnite 12-24-81. Top of cement @ 4180'. Released rig 12-26-81. Waiting on completion.

JAN 27 1982
OIL CONSERVATION DIVISION
SANTA FE

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

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

SIGNED John D. Deek TITLE Supv. Prod. Svc. DATE 1/12/82

APPROVED BY
CONDITIONS OF

REC'D BY CHAPMAN (This space for Federal or State office use)

JAN 20 1982

TITLE _____ DATE _____

U.S. GEOLOGICAL SURVEY

ROSWELL, N.M.

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
OIL CONS. COMMISSION
Drawer DD
Artesia, NM 88210

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 Storage

2. NAME OF OPERATOR
El Paso Natural Gas Company

3. ADDRESS OF OPERATOR
1800 Wilco Building - Midland, TX 79701

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 1714' FWL & 139' FSL + 1714' FWL

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

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 ☐

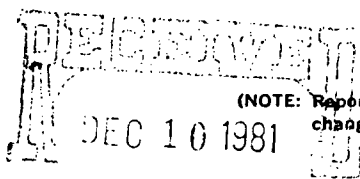
MULTIPLE COMPLETE ☐

CHANGE ZONES ☐

ABANDON* ☐

(other) spud and drilling operation

SUBSEQUENT REPORT OF:



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

OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWell, NEW MEXICO

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.)*

On 11-29-81 supdded 12 1/2" hole at 9:00 p.m. Young Drilling Company (Rig #5). Drilled to 820' and ran 9 5/8", 32.3#, H-40 casing. Set at 803.57. Cemented with 500 sxs. Class "C" cement, circulated 10 bbls. to surface. Job complete at 9:00 p.m. 11-30-81. TOC at surface. WOC 25 1/2 hrs and tested casing & BOPs 800#, test OK. Reduced hole to 8 3/4" and resumed drilling operation.

Subsurface Safety Valve: Manu. and Type

Set @ _____ Ft.

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

SIGNED

John S. Deek
JOHN S. DEEK
UNITED A. CHAPMAN

Supervisor Production
Services DATE 12-8-81

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL

DEC 14 1981

TITLE

DATE

U.S. GEOLOGICAL SURVEY
ROSWell, NEW MEXICO

*See Instructions on Reverse Side

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form O-10,
Supersedes O-12b
Effective 1-1-79

All distances must be from the outer boundaries of the Section.

Operator El Paso Natural Gas Co.			Lease Washington Ranch Storage Project		Well No. WI #11
Unit Letter N	Section 34	Township 25-S	Range 24-E	County Eddy County, New Mexico	

Actual Footage Location of Well:

1714 feet from the **West** line and **139** feet from the **South** line

Ground Level Elev. 3731 Ft.	Producing Formation Morrow	Pool Washington Ranch	Dedicated Acreage NA
---------------------------------------	--------------------------------------	---------------------------------	--------------------------------

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. **NA**
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). **NA**
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc? **NA**

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.


Project approved by NMOCD
Order No. R-6175-A

SECTION 34

JUN 10 1981

**OIL CONSERVATION DIVISION
SANTA FE**

1714'



WI #11

139'

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

G. D. Morris

Name

G. D. Morris

Position

Area Drilling Engineer

Company

El Paso Natural Gas Co.

Date

May 18, 1981

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

4-25-81

Registered Professional Engineer
and/or Land Surveyor

Earl D. Montiel

Certificate No.

IS #1317

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☐

OTHER

Storage

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

El Paso Natural Gas Company

3. ADDRESS OF OPERATOR

1800 Wilco Building - Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

1714' FWL, 139' FSL, Section 34

At proposed prod. zone

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

6 miles SW Whites City, New Mexico

15. DISTANCE FROM PROPOSED*

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

NA

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

NA

16. NO. OF ACRES IN LEASE

NA

19. PROPOSED DEPTH

+ 7,050'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

NA

20. ROTARY OR CABLE TOOLS

Rotary

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

3731 GR

22. APPROX. DATE WORK WILL START*

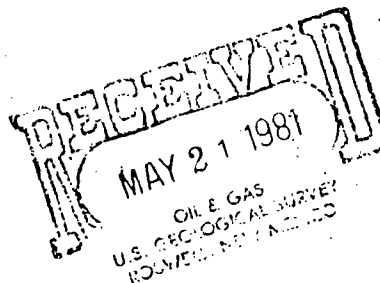
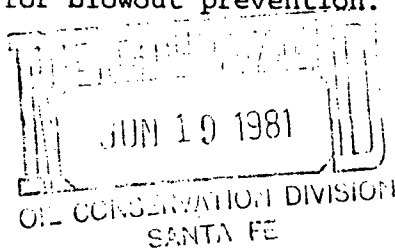
July 1, 1981

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
16"	13 3/8" Cond.	29.3 H-40	40'	30 cu. ft. CIRCULATE
12 1/4"	9 5/8"	32.3 H-40	800'	630 cu. ft. to circulate
8 1/2"	7"	23.0 H-80	7,050'	1341 cu. ft.

Project approved by NMOC D Order No. R-6175-A.

Selectively perforate and treat the Morrow formation for gas storage.
A 3000 psi W.P. and 5000 psi test double gate BOP with blind and pipe
rams will be used for blowout prevention.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout prevention program, if any.

24.

SIGNED

TITLE

Area Drilling Engineer

DATE May 18, 1981

(This space for Federal or State office use)

PERMIT NO.

APPROVED

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL

JUN 19 1981

TITLE

DATE

OR

JAMES A. OILHAM
DISTRICT SUPERVISOR

*See Instructions On Reverse Side

COUNTY EDDY FIELD Washington Ranch STATE NM
 OPR EL PASO NATURAL GAS CO. API 30-015-23828
 NO 11 LEASE Washington Ranch Gas Storage / MAP
Sec 34, T25S, R24E /Project "WI Federal CO-ORD
139 FSL, 1714 FWL of Sec 8-2-43 NM
10 mi SW/White City SPD 11-29-81 CMP 2-8-82

CSC: 9 5/8-804-500 sx 7-6992-500 sx 2 7/8-6945	WELL CLASS: INIT IW FIN DG LSE. CODE			
	FORMATION	DATUM	FORMATION	DATUM
	TD 7000 (MRRW)	PBD 6957		

IP (Morrow) Perfs 6760-6930 F 530 MCFGPD. Pot based on 24 hr test thru 32/64 chk. GOR Dry; gty (Gas) (NR); CP 87; TP 73

PLC: El Paso Natural Gas Co.

CONTR Young OPRS ELIV 3731 GL, 3743 KB sub-s 11

F.R. 6-8-81
 PD 7050 RT (Morrow)
 8-14-82 AMEND WELL NUMBER & ADD LEASE DESIGNATION:
 Formerly WI-11
 12-1-81 Drlg 820
 12-8-81 Drlg 4545
 12-15-81 Crg @ 6775
 12-28-81 TD 7000; WOCU
 Cores (NA)
 2-10-82 TD 7000; PBD 6957; Tstg
 Perf (Morrow) 6760-90, 6821-30, 6870-79, 6893-
 6909, 6922-30 w/4 SPF
 Natural
 Flwd @ 246 MCFGPD in 2 hrs thru 15/64 chk
 (6760-6930)
 8-9-82 TD 7000; PBD 6957; Complete
 LOG TOPS: Delaware Sand 530, Cherry Canyon
 8-2-43 NM

EDDY

EL PASO NATURAL GAS CO.

Washington Ranch

11 Washington Ranch

Gas Storage Project

"WI" Federal

Sec 34, T25S, R24E

NM

Page #2

8-9-82

Continued

1440, Bone Spring 3615, Wolfcamp 5548, Strawn

5722, Atoka 5994, Morrow Lime 6564, Morrow

Clastics 6688

LOGS RUN: CNL, FDC, BHC, DI, CBND, PDC, TMPL,

GRL

Will be used as Gas Storage Well

8-14-82

COMPLETION ISSUED

8-2-43 NM

IC 30-015-70258-81

DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL GAS
OPERATOR	
PRORATION OFFICE	

**NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS**

Form C-104
Supersedes Old C-104 and
Effective 1-1-65

RECEIVED

Operator: **EL PASO NATURAL GAS COMPANY** ✓

Address: **1800 WILCO BUILDING - MIDLAND, TEXAS 79701**

Reason(s) for filing (check proper box):

New Well ☒ ☐ Change in Transporter of: ☐ Oil ☐ Dry Gas ☐
 Recompletion ☐ ☐ Casinghead Gas ☐ Condensate ☐
 Change in Ownership ☐ ☐ GAS STORAGE WELL

Other (Please explain):

If change of ownership give name and address of previous owner:

II. DESCRIPTION OF WELL AND LEASE

Lease Name WASHINGTON RANCH GAS STORAGE PROJECT	Well No. 11	Pool Name, Including Formation WASHINGTON RANCH/GAS POOL MORROW	Kind of Lease State, Federal or Fee FEDERAL
Location Unit Letter N ; 1714' Feet From The West Line and 139' Feet From The South Line of Section 34 , Township 25-S Range 24-E , NMPM, EDDY Cour			

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
EL PASO NATURAL GAS COMPANY	ATTN: PRODUCTION CONTROL P. O. BOX 1492, EL PASO, TEXAS 79788
If well produces oil or liquids, give location of tanks.	Is gas actually connected? When
	No

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well <input type="checkbox"/>	Gas Well <input checked="" type="checkbox"/>	New Well <input checked="" type="checkbox"/>	Workover <input type="checkbox"/>	Deepen <input type="checkbox"/>	Plug Back <input type="checkbox"/>	Same Res'v. <input type="checkbox"/>	Diff. Re <input type="checkbox"/>
Date Spudded 11-29-81	Date Compl. Ready to Prod. 2-6-82		Total Depth 7000'		P.B.T.D. 6957'			
Pool WASHINGTON RANCH/GAS POOL MORROW	Name of Producing Formation		Top Oil/Gas Pay 6760'		Tubing Depth 6945'			
Perforations 6760'-6930'					Depth Casing Shoe 6992'			
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
12 1/4	9 5/8		804'		500 sxs. Class "C"			
8 3/4	7		6992'		500 sxs. Class "H"			
6 1/8	2 7/8		6945'					

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top of well for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
		Casing Pressure	Choke Size
Length of Test	Tubing Pressure	Water - Bbls.	Gas - MCF
Actual Prod. During Test	Oil - Bbls.		

GAS WELL

Actual Prod. Test - MCF/D 530	Length of Test 24 hrs	Bbls. Condensate/MMCF -	Gravity of Condensate -
Testing Method (pilot, back pr.) Back Pressure	Tubing Pressure 73 psi	Casing Pressure 87 psi	Choke Size 32/64"

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

John P. Deek
(Signature)

Supervisor Production Services

6-29-82
(Date)

OIL CONSERVATION COMMISSION

APPROVED **JUL 28 1982**
BY *W. A. Lasset*
TITLE **SUPERVISOR, DISTRICT II**

This form is to be filed in compliance with RULE 1104.
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.
All sections of this form must be filled out completely for all wells.
Fill out Sections I, II, III, and VI only for changes of owner, well name or number, or transporter, or other such change of condition.
Separate Forms C-104 must be filed for each pool in multiple completed wells.

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

NM-22207

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 Gas Storage

2. NAME OF OPERATOR

El Paso Natural Gas Co. ✓

3. ADDRESS OF OPERATOR

1800 Wilco Bldg., Midland, Tx 79701

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below)

AT SURFACE: 1045' FSL & 512' FEL

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

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:

☐
☐
☒
☐
☐
☐
☐
☐

RECEIVED BY

SEP 11 1984

O. C. D.

ARTESIA, OFFICE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Washington Ranch Storage Project

9. WELL NO.

12

10. FIELD OR WILDCAT NAME

Washington Ranch Morrow

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

Sec. 33, T-25-S, R-24-E

12. COUNTY OR PARISH 13. STATE
Eddy N. Mex

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
GR 3748'

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.)*

- 1.) Set tubing plug. RU and install 5000 psi hydraulic BOP.
- 2.) RU Snubbing unit, pull and lay down 2 7/8" production tubing.
- 3.) RU wireline unit and set Baker Model D permanent packer at 6750' wlm, with blanking plug below packer.
- 4.) Load 7" casing with water and pressure test to 3000 psig.
- 5.) Run 2 7/8" J-55 6.5# tubing with Baker E-22 latch in seal assembly, circulate inhibited packer fluid, latch into packer.
- 6.) Nipple down BOP, Nipple up wellhead.
- 7.) Pressure test tubing to 3000 psig. Retrieve blanking plug, return to service.

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

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

SIGNED

D. D. Myer

TITLE Area Prod. Eng.

DATE

9-10-84

ACCEPTED FOR RECORD

(This space for Federal or State office use)

APPROVED BY

[Signature]

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

SEP 13 1984

[Signature]

NEW MEXICO

*See Instructions on Reverse Side

EDDY
EL PASO NATURAL
GAS CO.

Washington Ranch
LPG-12 Washington Ranch
Storage Project "WI" Federal
Sec 33, T25S, R24E

NM

Page #2

11-8-82 Continued
Morrow Clastics 7046
LOGS RUN: CNDL, DI, BHC, CBND
Rig Released 1-18-82
11-13-82 COMPLETION ISSUED

11-2-27 NM
10 30-015-70546-81

UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒

OTHER Storage

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

El Paso Natural Gas Company

3. ADDRESS OF OPERATOR

1800 Wilco Bldg., Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

1045' FSL, 512' FEL, Sec 33, T-25-S, R-24-E

At proposed prod. zone

Same

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

6 miles SW Whites City, New Mex.

15. DISTANCE FROM PROPOSED*

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

NA

16. NO. OF ACRES IN LEASE

NA

17. NO. OF ACRES ASSIGNED
TO THIS WELL

NA

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

NA

19. PROPOSED DEPTH

+ 7,050'

20. ROTARY OR CABLE TOOLS

Rotary

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

3478' GR

22. APPROX. DATE WORK WILL START*

Dec. 15, 1981

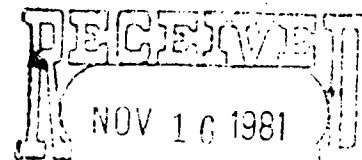
23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
16"	13 3/8" Cond	29.3 H-40	40'	30 cu ft
12 1/4"	9 5/8"	32.3 H-40	800'	630 cu ft to circulate
8 1/2"	7"	23.0 H-80	7,050'	1341 cu ft

Project approved by MNOCD Order No. R-6175-A.

Selectively perforate and treat the Morrow formation for gas storage.

A 3000 psi W.P. and 6000 psi test double gate BOP w/blind and pipe rams will
be used for blowout prevention.OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

TITLE Drlg. Engr.

DATE 11-11-81

(This space for Federal or State office use)

PERMIT NO.

APPROVED

APPROVAL DATE

APPROVED BY
CONDITIONS OF APPROVAL

(Orig. Sgd.) ROGER A. CHAPMAN

TITLE

DATE

DEC 24 1981

for JAMES A. GILLHAM
DISTRICT SUPERVISOR

*See Instructions On Reverse Side

WELL LOCATION AND ACREAGE DEDICATION PLAT

Supervisors 6-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

Operator El Paso Natural Gas Co.		Lease Washington Ranch Storage Project		Well No. WI#12
Unit Letter P	Section 33	Township 25-S	Range 24-E	County Eddy County, New Mexico
Actual Footage Location of Well:				
1045	feet from the South	line and	512	feet from the East
Ground Level Elev. 3748	Producing Formation Morrow	Pool Washington Ranch	Dedicated Acreage: N/A Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. **NA**
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). **NA**
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc? **NA**

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

Project Approved by NMOCD
Order No. R-6175-A

SECTION 33

WI#12

512'

1045'

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Harry L. Mitchell
Name

H. L. Mitchell

Position

Drlg. Engr.

Company

El Paso Natural Gas Co.

Date

11-11-81

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

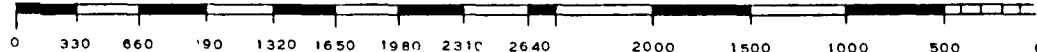
Date Surveyed

4-20-81

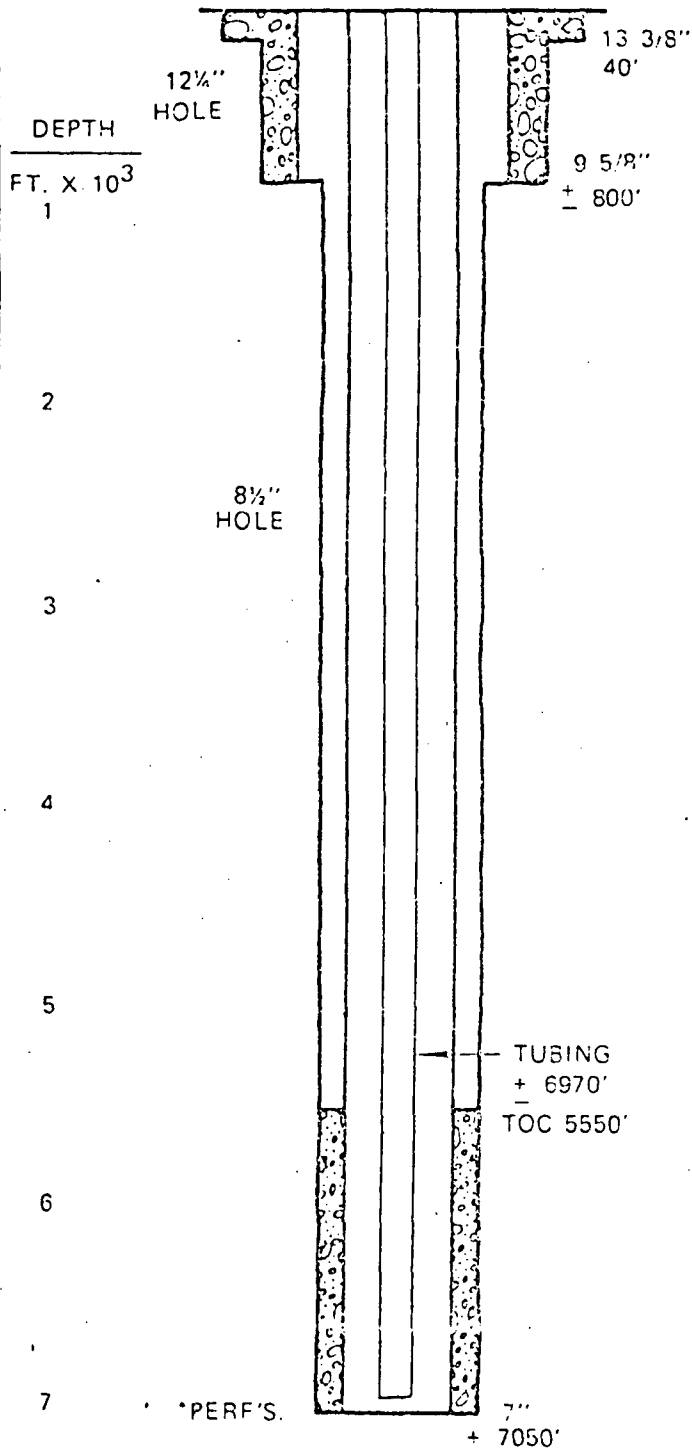
Registered Professional Engineer
and/or Land Surveyor

Earl D. Hartshorn
Certificate No.

LS #1317



WASHINGTON RANCH PROPOSED NEW I-W WELL



SIZE	GRADE	WT	BURST	COLLAPSE	DRIFT ID
13 3/8"	USED				
9 5/8"	H-40	32.3	2270	1400	8.845
7"	K-55	23	4360	3270	5.241
2 7/8"	J-55	6.5	7260	7680	2.441
*N-80					

*AVG. MID. PERF. 6970'

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 Storage2. NAME OF OPERATOR
El Paso Natural Gas Co.

3. ADDRESS OF OPERATOR

1800 Wilco Bldg; Midland, Texas 79701

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 1045' FSL & 512' FEL

AT TOP PROD. INTERVAL:

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 ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐CHANGE ZONES ☐ABANDON* ☐

(other) Spud & Drlg Operations

5. LEASE

NM 22207

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Washington Ranch Storage Project

9. WELL NO.

WI Federal #12

10. FIELD OR WILDCAT NAME

Washington Ranch

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

Sec 33, T-25-S, R-24-E

12. COUNTY OR PARISH

Eddy

13. STATE

NM

14. API NO.

NA

15. ELEVATIONS (SHOW DF, KDB, AND WD)

GR 3478'

(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.)*

Spud 12 1/4" hole 11:30 AM, 12-27-81, Young Drilling (Rig #5). Drilled to 974' and rn 9 5/8", 32.3#, H-40 csg set @ 805'. Cemented w/600 sx Cl "C" cement and circulated 90 sx to surface. PD @ 9:30 AM, 12-29-81. WOC 14 1/4 hrs, tested csg to 800 psi, test OK. Reduced hole to 8 3/4" and resumed drlg operations.

Subsurface Safety Valve: Manu. and Type

Set @ Ft.

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

SIGNED

John D. Deek

TITLE Supv. Prod. Svc. DATE 1/12/82

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD

(This space for Federal or State office use)

OCT 7 1982

U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

NM OIL CONS. COMMISSION

Drawer DD

Alameda, NM 88210

5. LEASE

NM-22207

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Washington Ranch Storage Project WI Fe.

9. WELL NO.

WI Federal #12

10. FIELD OR WILDCAT NAME

Washington Ranch

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

Sec. 33, T-25-S, R-24-E

12. COUNTY OR PARISH

Eddy

13. STATE

NM

14. API NO.

NA

15. ELEVATIONS (SHOW DF, KDB, AND WD)

GR 3478'

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 Storage

2. NAME OF OPERATOR

El Paso Natural Gas Co.

3. ADDRESS OF OPERATOR

1800 Wilco Bldg; Midland, Texas 79701

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 1045' FSL & 512' FEL

AT TOP PROD. INTERVAL:

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 ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

CHANGE ZONES ☐

ABANDON* ☐

(other) Drlg Operations

(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.)*

Drilled to 7145' and ran 7", 23#, N-80 casing set @ 7132.38'. Cement with 500 sx Class "H" cement. Job complete at 1 PM, 1-18-82. Top of cement at 4168'. Released rig 5 AM, 1-19-82 and shut well in. On 1-22-82, RU McCullough and perforated 6864-6894, 6928-6934, 6974-6984, 6996-7029, 7031-7035, 7039-7041, 4 SPF, .5" holes (364 holes). Ran 2 7/8", 6.5#, J-55 tbg, set @ 7079.46'. Waiting on completion.

Project approved by NMDCD Order No. R-6175-A

SANTA FE

Subsurface Safety Valve: Manu. and Type

Set @

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

SIGNED

TITLE Supv. Prod. Svc. DATE 2/9/82

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

FEB 16 1982
U.S. GEOLOGICAL SURVEY
ROOM 400, NEW MEXICO

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE'S.

Draw (See other In-
structions on
reverse side)
Artesian, NWCOMMISSION Form approved.
Budget Bureau No. 42-R365.8.LEASE DESIGNATION AND SERIAL NO.
88210 NM-22207

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other GAS STORAGE

2. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other

3. NAME OF OPERATOR

EL PASO NATURAL GAS COMPANY

4. ADDRESS OF OPERATOR

1800 WILCO BUILDING - MIDLAND, TEXAS 79701

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 1045' FSL & 512' FEL

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

6. IF INDIAN, ALIOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
WASHINGTON RANCH GAS
STORAGE PROJECT

9. WELL NO.

57 Feb 12

10. FIELD AND POOL, OR WILDCAT

WASHINGTON RANCH/GAS POOL

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

Sec 33, T-25-S, R-24-E

12. COUNTY OR
PARISH
EDDY

13. STATE

NEW MEXICO

15. DATE SPUDDED

12-27-81

16. DATE T.D. REACHED

1-17-82

17. DATE COMPL. (Ready to prod.)

1-24-82

18. ELEVATIONS (DF, BEB, RT, OR, ETC.)*

3759' DF

19. ELEV. CASINGHEAD

3748'

20. TOTAL DEPTH, MD & TVD

7145'

21. PLUG, BACK T.D., MD & TVD

7108'

22. IF MULTIPLE COMPL.,
HOW MANY*23. INTERVALS
DRILLED BY

ROTARY TOOLS

X

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

6864' - 7041' Morrow Clastics

25. WAS DIRECTIONAL
SURVEY MADE

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

Comp. Neutron/Density, DIL, BHC, Atlas Prolog, CBL

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
9 5/8	32.30	805'	12 1/4	600 sxs. Class "C"	None
7	23.00	7132'	8 3/4	500 sxs. Class "H"	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8	7070'	-

31. PERFORATION RECORD (Interval, size and number)

6864' - 7041' 4 SPE

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
None	

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
N/A		No test				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.	OIL GRAVITY-API (CORR.)	
		→		ACCEPTED FOR RECORD			

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

EPNG Pipeline

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

John D. Deek

TITLE

Supervisor

DATE

6-28-82

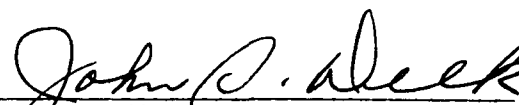
*(See Instructions and Spaces for Additional Data on Reverse Side)

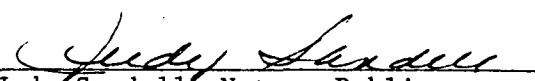
WASHINGTON RANCH STORAGE PROJECT NO. 12 ✓

Sec. 33, T-25-S, R-24-E
Eddy County, New Mexico

<u>DEPTH</u>	<u>HOLE SIZE</u>	<u>DEVIATION-DEGREES</u>
840	12 1/4"	1 3/4
973	8 3/4"	2 1/2
1,474	8 3/4"	1
1,970	8 3/4"	1
2,465	8 3/4"	3/4
3,214	8 3/4"	1/4
3,710	8 3/4"	1
4,208	8 3/4"	1 3/4
4,707	8 3/4"	2 3/4
5,298	8 3/4"	3
5,796	8 3/4"	1 1/2
6,294	8 3/4"	1

SWORN TO and SUBSCRIBED before me by John S. Delk on this the 11th
Day of June, 1982.


John S. Delk


Judy Sandell, Notary Public
State of Texas

My commission expires June 29, 1984

JUN 1984

UNITED STATES

JUN 1984
Artesia, NM 88210DEPARTMENT 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 ☒ Gas Storage Well

2. NAME OF OPERATOR

El Paso Natural Gas Co. V

3. ADDRESS OF OPERATOR

1800 Wilco Bldg., Midland, Texas 79701

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 1045' FSL & 512' FEL

AT TOP PROD. INTERVAL:

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 ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☒PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐CHANGE ZONES ☐ABANDON* ☐

(other) _____

RECEIVED BY

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

JUN 21 1984

O. C. P.

ARTESIA OFFICE

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.)*

1.) Move in and Rig up workover unit, set tubing plug.

2.) Remove wellhead and install BOP.

3.) Pull production tubing with snubbing unit.

4.) Run permanent packer on wireline and set $\pm 100'$ above perfs.

5.) Run production tubing, circulate treated packer fluid.

6.) Land tubing with latch in sub in packer, remove BOP, install wellhead.

7.) Remove tubing plug, release workover unit, return to service.

Subsurface Safety Valve: Manu. and Type _____

Set @ _____

Ft. _____

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

SIGNED

David E. Myer

TITLE Sr. Production Eng. DATE June 15, 1984

(This space for Federal or State office use)

APPROVED BY

P. E. R.

TITLE

P. E. R.

DATE

6/20/84

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

5. LEASE

NM-22207

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Washington Ranch Storage Project *W.R.S.P.*

9. WELL NO.

12

10. FIELD OR WILDCAT NAME

Washington Ranch Morrow

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

Sec. 33, T-25-S, R-24-E

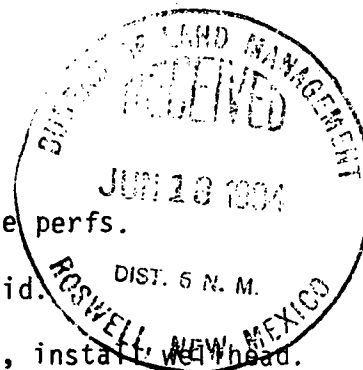
12. COUNTY OR PARISH

Eddy

13. STATE

N. Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
GR. 3748'

NO COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL GAS
OPERATOR	
PRODUCTION OFFICE	

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and
Effective 1-1-65

RECORDED

I. OPERATOR

EL PASO NATURAL GAS COMPANY

Address: 1800 WILCO BUILDING - MIDLAND, TEXAS 79701

Reasons for filing (check proper box)

New Well <input checked="" type="checkbox"/>	Change in Transporter of:	Other (Please explain)
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/>	Dry Gas <input type="checkbox"/>
Change in Ownership <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/>	Condensate <input type="checkbox"/>

GAS STORAGE WELL

If change of ownership give name
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No. 12	Pool Name, including Formation	Kind of Lease
WASHINGTON RANCH GAS STORAGE PROJECT		WASHINGTON RANCH/GAS POOL MORROW	State, Federal or Fee FEDERAL
Location			
Unit Letter P	1045'	Feet From The South	Line and 512'
Line of Section 33	Township 25-S	Range 24-E	NMPM, EDDY

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
EL PASO NATURAL GAS COMPANY	ATTN: PRODUCTION CONTROL P. O. BOX 1492, EL PASO, TEXAS 79788
If well produces oil or liquids, give location of tanks.	Is gas actually connected? When
	No

If this production is commingled with that from any other lease or pool, give commingling order number:

V. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Re
		X	X					
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
12-27-81	1-24-82	7145'	7108'					
Pool	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth					
WASHINGTON RANCH/GAS POOL MORROW		6864'	7079'					
Perforations			Depth Casing Shoe					
6864'-7041'			7132'					

TUBING, CASING, AND CEMENTING RECORD			
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
12 1/4	9 5/8	805'	600 sxs. Class "C"
8 3/4	7	7132'	500 sxs. Class "H"
6 1/8	2 7/8	7079'	

VI. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top of well for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
N/A			
Testing Method (pitot, back pr.)	Tubing Pressure	Casing Pressure	Choke Size

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

John D. Deek
(Signature)
Supervisor Production Services
(Title)
6-29-82
(Date)

OIL CONSERVATION COMMISSION
JUL 28 1982

APPROVED _____
BY *W.A. Everett*
SUPERVISOR, DISTRICT II

TITLE _____

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepen well, this form must be accompanied by a tabulation of the deviate tests taken on the well in accordance with RULE 1111.

All sections of this form must be filled out completely for all wells on new and recompleted wells.

Fill out Sections I, II, III, and VI only for changes of owner, well name or number, or transporter, or other such change of conditions.

Separate Forms C-104 must be filed for each pool in multiple completed wells.

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 Gas Storage ☒

2. NAME OF OPERATOR

El Paso Natural Gas Co.

3. ADDRESS OF OPERATOR

1800 Wilco Bldg., Midland, Tx 79701

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 572' FWL & 2417' FSL

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

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:

☐
☐
☐
☒
☐
☐
☐
☐
☐

RECEIVED BY

JUL 18 1984 (NOTE: Report results of multiple completion or zone change on Form 9-330.)

O. C. D.

ARTESIA, OFFICE

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.)*

6-20/28, 1984

- 1.) Set tubing plug. RU and install 5000 psi hydraulic BOP.
- 2.) Rig up Snubbing unit, pull and lay down 2 7/8" production tubing.
- 3.) RU wireline unit and set Baker Model FA-1 permanent packer at 6620' wlm, with blanking plug below packer.
- 4.) Load 7" casing with water and pressure test to 3000 psig.
- 5.) Run 4 1/2" 11.6# K-55 tubing with Baker K-22 latch in seal assembly, circulate inhibited packer fluid, latch into packer.
- 6.) Nipple down BOP, Nipple up wellhead.
- 7.) Pressure test tubing to 3000 psig. Retrieve Blanking Plug, return to service.

Subsurface Safety Valve: Manu. and Type

Set @ _____ Ft.

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

SIGNED

David E. Myer TITLE Area Prod. Eng.

DATE

7-13-84

ACCEPTED FOR RECORD

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

JUL 16 1984

Calder NEW MEXICO

*See Instructions on Reverse Side

OIL CONSERVATION
SANTA FE

Dec 1973

RECEIVED BY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

JUN 21 1984

80210

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 ☒ Gas Storage Well

2. NAME OF OPERATOR
El Paso Natural Gas Co. ✓

3. ADDRESS OF OPERATOR
1800 Wilco Bldg., Midland, Texas 79701

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 572' FWL & 2417' FSL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

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
BUREAU OF LAND MANAGEMENT
RECEIVED
JUN 19 1984
DIST. 6 N.M.
Carlsbad, New Mexico

5. LEASE NM-22207
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Washington Ranch Storage Project
9. WELL NO. 7
10. FIELD OR WILDCAT NAME
Washington Ranch Morrow
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 34, T-25-S, R-24-E
12. COUNTY OR PARISH Eddy
13. STATE N, Mexico
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)
GR 3736'

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

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. 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.)*

- 1.) Move in and Rig up workover unit, set tubing plug.
- 2.) Remove wellhead and install BOP.
- 3.) Pull production tubing with snubbing unit.
- 4.) Run permanent packer on wireline and set +100' above perfs.
- 5.) Run production tubing, circulate treated packer fluid.
- 6.) Land tubing with latch in sub in packer, remove BOP, install wellhead.
- 7.) Remove tubing plug, release workover unit, return to service.

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

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

SIGNED E. Myer TITLE Sr. Production Eng. DATE June 15, 1984

APPROVED BY R. Bitchler (This space for Federal or State office use) TITLE P.E. DATE 6/20/84
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5

SF

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1A. TYPE OF WELL:		OIL WELL <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/>	DRY <input type="checkbox"/>	Other <u>GAS STORAGE</u>										
1B. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESV. <input type="checkbox"/>	Other <u>JUL 29 1982</u>								
2. NAME OF OPERATOR						3. ADDRESS OF OPERATOR									
EL PASO NATURAL GAS COMPANY						1800 WILCO BUILDING - MIDLAND, TEXAS 79701									
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*						5. FARM OR LEASE NAME									
At surface 572' SW 1/4 & 2417' ESE 1/4						WASHINGTON RANCH GAS STORAGE PROJECT									
At top prod. interval reported below						9. WELL NO.									
At total depth						7									
14. PERMIT NO.						DATE ISSUED									
N/A															
15. DATE SPUDDED		16. DATE T.D. REACHED		17. DATE COMPL. (Ready to prod.)		18. ELEVATIONS (DF, REB, RT, GR, ETC.)*		19. ELEV. CASINGHEAD							
9-22-81		11-2-81		1-15-82		DF 3747'		3736'							
20. TOTAL DEPTH, TD & TVD		21. PLUG BACK T.D., MD & TVD		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY		24. ROTARY TOOLS							
7050'		6968'				X		CABLE TOOLS							
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*						25. WAS DIRECTIONAL SURVEY MADE									
6742' - 6901' Morrow Clastics						NO									
26. TYPE ELECTRIC AND OTHER LOGS RUN						27. WAS WELL CORED									
Camp Neutron/Density, BHC, DIL, SFL, Cyberlook.						Yes									
28. CASING RECORD (Report all strings set in well)															
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED					
9 5/8		32.30		820'		12 1/4		935 sxs Class "C"		None					
7		23.00		7025'		8 3/4		500 Sxs Class "H"							
29. LINER RECORD										30. TUBING RECORD					
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)		SIZE		DEPTH SET (MD)		PACKER SET (MD)	
										2 7/8		6839'		-	
31. PERFORATION RECORD (Interval, size and number)						32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.									
6742' - 6901' 4 SPF (150 shots)						DEPTH INTERVAL (MD)						AMOUNT AND KIND OF MATERIAL USED			
						6780'						1500 gal 7-2 MCA 5 2000			
												gal HF			
												ACCEPTED FOR RECORD			
												JUL 29 1982			
33. PRODUCTION										34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)		35. LIST OF ATTACHMENTS			
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)								TEST WITNESSED BY		U.S. GEOLOGICAL SURVEY			
N/A		Flowing										ROSWELL, NEW MEXICO			
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD		OIL—BSL.		GAS—MCF.		WATER—BSL.		OIL GRAVITY-API (CORR)	
11-23-81		24 hrs.		8/64"				-		123		-		123	
FLOW, TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL—BSL.		GAS—MCF.		WATER—BSL.		OIL GRAVITY-API (CORR)		DATE	
349.2 psi		350.2 psi				-		123		-				JUL 29 1982	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						35. LIST OF ATTACHMENTS						U.S. GEOLOGICAL SURVEY			
EPNG Pipeline												ROSWELL, NEW MEXICO			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records										SIGNED		TITLE		DATE	
										John D. Deek		Supervisor Production Services		6/29/82	

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

El Paso EXPLORATION
COMPANY

1800 WILCO BUILDING
MIDLAND, TEXAS 79701

PHONE: 915-684-5701

RECEIVED

Was not in
WASHINGTON RANCH STORAGE PROJECT NO. 7

Sec. 34, T-25-S, R-24-E
Eddy County, New Mexico

O. C. D.
ARTESIA, OFFICE

<u>DEPTH</u>	<u>HOLE SIZE</u>	<u>DEVIATION-DEGREES</u>
830	12 1/4"	1
1,324	8 3/4"	3/4
1,821	8 3/4"	1
2,320	8 3/4"	1 1/4
3,405	8 3/4"	1 3/4
3,940	8 3/4"	1 3/4
4,444	8 3/4"	4 1/2
4,530	8 3/4"	4
4,746	8 3/4"	3
5,120	8 3/4"	3 1/4
5,773	8 3/4"	3
6,333	8 3/4"	3
6,550	8 3/4"	3 1/2

SWORN TO and SUBSCRIBED before me by John S. Delk on this the 11th
Day of June, 1982.

John S. Delk

John S. Delk

Judy Sandell

Judy Sandell, Notary Public
State of Texas

My commission expires June 29, 1984

UNITED STATES Artesia, NM 88210
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 ☐ gas ☒ other Storage
well ☐ well ☒
2. NAME OF OPERATOR
El Paso Natural Gas Co.
3. ADDRESS OF OPERATOR
1800 Wilco Bldg.; Midland, Texas 79701
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 572' FWL & 2417' FSL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:
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* ☐

SUBSEQUENT REPORT OF:

- ☐
☐
☐
☐
☐
☐
☐
☐

(other) Drilling Operation & Perforate

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.)*

On 11/13/81, ran 232 jts 2 7/8" 6.5#, J-55, EUE ABC tbg and set @ 6958.34'. Perforated 6,742-6,752, 6,831-6,836, 6,855-6,868, 6,863-6,868, 6,871-6,873, 6,876-6,882, 6,892-6,901, 4-spf, .34" holes (150 holes). SI for test.

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

5. LEASE
NM 22207
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
DEC 14 1981
7. UNIT AGREEMENT NAME
O. C. B.
8. FARM OR LEASE NAME
Washington Ranch Storage Project
9. WELL NO.
WI Federal #7
10. FIELD OR WILDCAT NAME
Washington Ranch Morrow
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 34, T-25-S, R-24-E
12. COUNTY OR PARISH
Eddy
13. STATE
NM
14. API NO.
NA
15. ELEVATIONS (SHOW DF, KDB, AND WD)
GR 3736

DEC 20 1981
OIL CONSERVATION DIVISION
SANTA FE

RECEIVED
NOV 20 1981
OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

Subsurface Safety Valve: Manu. and Type

Set @ _____ Ft.

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

SIGNED

John A. Decker
DEC 1 1981

TITLE Suprv. Prod. Svc. DATE 11/18/81

(This space for Federal or State office use)

APPROVED BY:
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

NM OIL CONS. COMMISSION
Drawer DD
Artesia, NM 88210

Form Approved.
Budget Bureau No. 42-R1424

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 ☐ Storage
2. NAME OF OPERATOR
El Paso Natural Gas Company
3. ADDRESS OF OPERATOR
1800 Wilco Bldg. Midland, Texas 79701
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 572' FWL, 2417' FSL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:

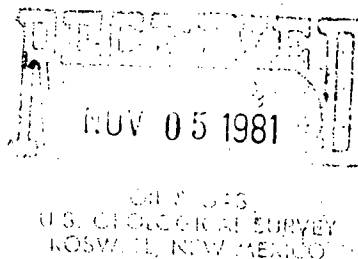
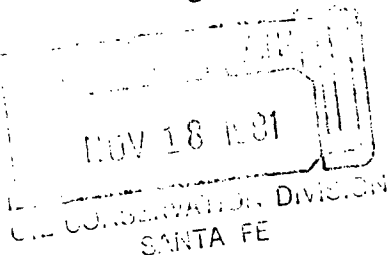
- | | | |
|-----------------------------|--------------------------|--------------------------|
| TEST WATER SHUT-OFF | <input type="checkbox"/> | <input type="checkbox"/> |
| FRACTURE TREAT | <input type="checkbox"/> | <input type="checkbox"/> |
| SHOOT OR ACIDIZE | <input type="checkbox"/> | <input 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 type="checkbox"/> |
| (other) Drilling Operations | <input type="checkbox"/> | <input type="checkbox"/> |

5. LEASE
NM 22207
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Washington Ranch Storage Project
9. WELL NO.
WI Federal #7
10. FIELD OR WILDCAT NAME
Washington Ranch
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 34, T-25-S, R-24-E
12. COUNTY OR PARISH
Eddy
13. STATE
NM
14. API NO.
NA
15. ELEVATIONS (SHOW DF, KDB, AND WD)
GR 3736

(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.)*

Drilled to 7050 and ran 7", 23#, N-80 casing set @ 7025.
Cemented with 500 sxs. Class "H" cement, plug down @ 8:30 A.M.
11-1-81 Top of cement @ 4700' by temperature survey.
Released rig @ 6:00 A. M. 11-2-81. Waiting on completion.



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

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

SIGNED John D. Deek TITLE Suprv. Prod. Svcs. DATE November 4, 1981

FOR RECORD

ROBERT A. CHAPMAN (This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL IF ANY: NOV 16 1981

TITLE _____ DATE _____

U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

*See Instructions on Reverse Side

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 ☐ Storage
2. NAME OF OPERATOR
El Paso Natural Gas Co. ✓
3. ADDRESS OF OPERATOR
1800 Wilco Bldg. - Midland, Texas 79701
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 572' FWL, 2417' FSL
AT TOP PROD. INTERVAL:
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 ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐

(other) Spud & Drilling Operation

RECEIVED
OCT 28 1981

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

OIL & GAS
U.S. GEOLOGICAL SURVEY
ROOSEVELT, NEW MEXICO

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.)*

On 9-22-81 spudded 12 1/4" hole @ 8:45 PM, Young Drilling Company (Rig #5). Drilled to 830' and ran 9 5/8", 32.3#, H40 casing set @ 820'. Cemented with 955 sx Class "C" cement, circulated to surface. Job complete at 4:00 AM, 9-26-81. TOC @ surface. WOC 17 1/4 hrs and tested casing and BOPs, test OK. Reduced hole to 8 3/4" and resumed drilling operations.

RECEIVED
NOV 04 1981
U.S. GEOLOGICAL SURVEY
SANTA FE

Subsurface Safety Valve: Manu. and Type

Set @ _____ Ft.

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

SIGNED John S. Delk TITLE Supv. Prod. SVC. DATE October 26, 1981

OCT 29 1981

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

U.S. GEOLOGICAL SURVEY
ROOSEVELT, NEW MEXICO

5. LEASE

NM 22207

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Washington Ranch, Storage Project WI 3A

9. WELL NO.

WI Federal #7

10. FIELD OR WILDCAT NAME

Washington Ranch

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

Sec. 34, T-25-S, R-24-E

12. COUNTY OR PARISH

13. STATE

Eddy

NM

14. API NO.

NA

15. ELEVATIONS (SHOW DF, KDB, AND WD)

GR 3736'

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form O-12
Supersedes O-12B
Effective 1-1-6

All distances must be from the outer boundaries of the Section.

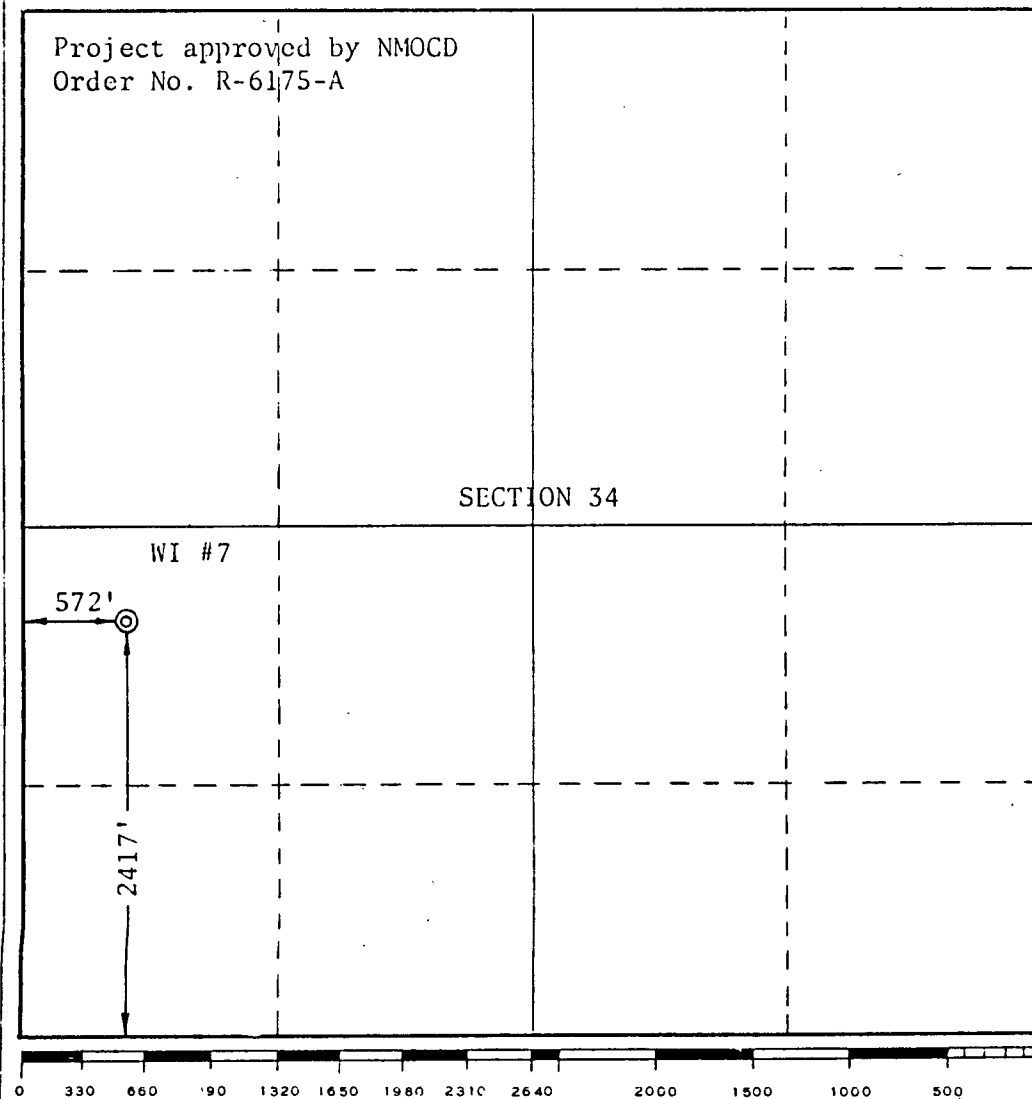
Operator El Paso Natural Gas Co.		Lease Washington Ranch Storage Project <i>WI #7</i>		Well No. WI #7
Unit Letter L	Section 34	Township 25-S	Range 24-E	County Eddy County, New Mexico
Actual Footage Location of Well: 572 feet from the West line and 2417 feet from the South line				
Ground Level Elev. 3736 Ft.	Producing Formation Morrow	Pool Washington Ranch	Dedicated Acreage NA	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. NA
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). NA
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc? NA

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

G. D. Morris

Name

G. D. Morris

Position

Area Drilling Engineer

Company

El Paso Natural Gas Co.

Date

May 14, 1981

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

OIL CONSERVATION DIVISION
SANTA FE

Date Surveyed

4-24-81

Registered Professional Engineer
and/or Land Surveyor

G. D. Morris

Certificate No.

LS #1317

UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. 30-015-23826 M/M 22207		
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Storage SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
2. NAME OF OPERATOR El Paso Natural Gas Company			7. UNIT AGREEMENT NAME		
3. ADDRESS OF OPERATOR 1800 Wilco Building., - Midland, Texas 79701			8. FARM OR LEASE NAME Washington Ranch Storage		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 572' FWL, 2417' FSL At proposed prod. zone			9. WELL # #7		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 6 miles SW Whites City, New Mexico			10. FIELD AND POOL, OR WILDCAT X Washington Ranch		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) NA			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 34, T25S, R24E		
16. NO. OF ACRES IN LEASE NA			12. COUNTY OR PARISH Eddy		
17. NO. OF ACRES ASSIGNED TO THIS WELL NA			13. STATE New Mexico		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. NA			19. PROPOSED DEPTH + 7,050'		
20. ROTARY OR CABLE TOOLS Rotary			21. APPROX. DATE WORK WILL START* July 1, 1981		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3,736' GR			22. APPROX. DATE WORK WILL START* July 1, 1981		

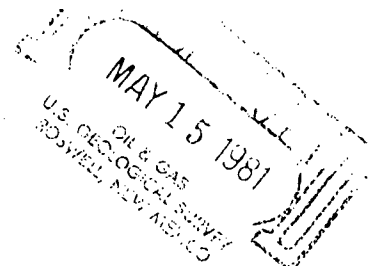
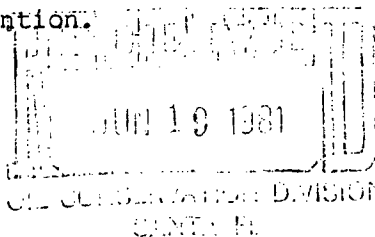
23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
16"	13 3/8" Cond.	29.3 H-40	40'	30 cu. ft. CIRCULATE
12 1/4"	9 5/8"	32.3 H-40	800'	630 cu. ft. to circulate
8 1/2"	7"	23.0 H-80	7,050'	1341 cu. ft.

Project approved by NMOCD Order No. R-6175-A.

Selectively perforate and treat the Morrow formation for gas storage.

A 3000 psi W.P. and 6000 psi test double gate BOP with blind and pipe rams will be used for blowout prevention.



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout prevention program, if any.

24. SIGNED M. D. Morris TITLE Area Drilling Engineer DATE May 14, 1981

(This space for Federal or State office use)

PERMIT NO. APPROVED	
APPROVED BY GEORGE H. STEWART	
DATE JUN 9 1981	
FOR JAMES A. GILLHAM	
DISTRICT SUPERVISOR	

APPROVAL DATE

TITLE

DATE

*See Instructions On Reverse Side

EDDY
EL PASO NATURAL GAS
CO.

Washington Ranch
7 Washington Ranch Gas
Storage Project "WI"
Federal
Sec 34, T25S, R24E

NM
Page #2

8-9-82 Continued
LOGS RUN: CNDL, BHC, DI, SONL, FOCL
Will be used as Gas Storage Well
8-14-82 COMPLETION ISSUED

8-2-41 NM
IC 30-015-70237-81

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved
Budget Bureau No. 4-2555-5

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL: ☒ OIL WELL ☐ GAS WELL ☐ DRY ☐ Other _____

2. TYPE OF COMPLETION:

☒ NEW WELL ☐ WORK OVER ☐ REPAIR ☐ PLUG ☐ DEEP REPAIR ☐ Other _____

3. NAME OF OPERATOR

Black River Corporation ✓

4. ADDRESS OF OPERATOR

620 Commercial Bank Tower Midland Texas 79701

5. LOCATION OF WELL (See instructions on reverse side)

At surface 1877' FNL 1650' FNL Section 34

At top prod. interval reported

At total depth

5. LEASE DESIGNATION AND SERIAL NO.

N-9472258

6. IF INDIAN, ALLOTTED OR CREE NAME

7. UNIT ASSIGNMENT NAME

8. FARM OR LEASE NAME

Cities Federal

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

Washington Ranch Delaware

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

Sec. 34, T-25-S. R-24-E

12. COUNTY OR PARISH

Eddy

13. STATE

New Mexico

14. DATE REPORT MADE

6-27-74

8-7-74

10-26-74

3715 GR

20. TOTAL DEPTH, M. & F.

1584'

1438'

24. PRODUCING INTERVALS OF THE

1357'-1360' Delaware

26. TYPE OF LOG

Gamma-Ray Neutron Log

29.

CASING SIZE

9 5/8"

36#

285'

12 1/4"

200 sq. Class "H"

AMOUNT FILLED

None

7"

20#

1445'

8 1/2"

2 Stages

1445-1190 50 sq.

1190-0 175 sq.

None

29.

30.

TUBING RECORD

SIZE

MATERIAL

SIZE

DEPTH SET (MD)

PACKER SET (MD)

2 3/8"

1351'

1362'

31. PERFORATIONS

VOID SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

PERFORATION

AMOUNT AND KIND OF MATERIAL USED

1357'-1360' Six Holes (.43 diameter)

1357'-1360'

2500 gallon unjelled f/w

4000# 20/40 sand

250 gallons M.S. 15% acid

15 gallons emulsion breaker when

32.

DATE OF TEST

8-29-74

Pump 1/B (2" X 1 1/2" X 10' R.W.T. Rod Pump -

DATE OF TEST

10-26-74

24

3/4"

4.35

FLOW, TUBING LOSS

4.35

4.35

40

34. APPROVED BY

Vented

TEST WITNESSED BY

Gray Pumping Service

35. LIST OF LOGS

2 Copies Gamma-Ray Neutron Logs, 2 copies Core analysis

36. I hereby certify that the

information furnished herein is true and correct

SIGNED

Ramon Sanchez

Vice President

DATE

10-29-74

(See other instructions on Reverse Side)

DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
PRORATION OFFICE	

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 a
Effective 1-1-65

RECEIVED

JUL 12 1982

EL PASO NATURAL GAS COMPANY

1800 WILCO BUILDING - MIDLAND, TEXAS 79701

ARTESIA, OFFICE

Reason(s) for filing (check proper box)

New Well ☒
Recompletion ☐
Change in Ownership ☐

Change in Transporter of:
Oil ☐
Casinghead Gas ☐
Dry Gas ☐
Condensate ☐

Other (Please explain)

GAS STORAGE WELL

If change of ownership give name
and address of previous owner

JUL 29 1982

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name	County	State	Federal or Foreign
WASHINGTON RANCH GAS STORAGE PROJECT	7	WASHINGTON RANCH/GAS POOL MORROW	SANTA FE	NEW MEXICO	FEDERAL
Location					
Unit Letter	Section	Township	Range	EDDY	County
L	34	25-S	24-E		
Feet From The West Line and			Feet From The South		
572'			2417'		

I. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
EL PASO NATURAL GAS COMPANY	ATTN: PRODUCTION CONTROL P. O. BOX 1492, EL PASO, TEXAS 79788
If well produces oil or liquids, give location of tanks.	Is gas actually connected? When
	No

If this production is commingled with that from any other lease or pool, give commingling order number:

III. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Restv.	Diff. R
		X	X					
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
9-22-81	1-15-82	7050'	6968'					
Pool	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth					
WASHINGTON RANCH/GAS POOL MORROW		6742'	6839'					
Perforations			Depth Casing Shoe					
		7025'						

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
12 1/4	9 5/8	820'	935 sxs Class "C"
8 3/4	7	7025'	500 sxs Class "H"
6 1/8	2 7/8	6839'	

IV. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top a able for this depth or be for full 24 hours)

Date First Flow Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MCF	Gravity of Condensate
123	24 hours	None	
Testing Method (pilot, back pr.)	Tubing Pressure	Casing Pressure	Choke Size
Back Pressure	349.2 psi	350.2 psi	8/64"

V. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

John P. Deek
(Signature)

Supervisor Production Services

6-29-82

(Date)

OIL CONSERVATION COMMISSION

JUL 28 1982

APPROVED _____, 19

BY *W. A. Gressett*
TITLE SUPERVISOR, DISTRICT II

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepen well, this form must be accompanied by a tabulation of the deviat tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for all able on new and recompleted wells.

Fill out Sections I, II, III, and VI only for changes of own well name or number, or transporter, or other such change of conditi

Separate Forms C-104 must be filed for each pool in multi completed wells.

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 ☐ gas ☐ other ☐ Gas Storage
well well
2. NAME OF OPERATOR
El Paso Natural Gas Co.
3. ADDRESS OF OPERATOR
1800 Wilco Bldg., Midland, Tx 79701
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 572' FEL & 1707' FNL
AT TOP PROD. INTERVAL:
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 checked="" 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)		

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.)*

6-20/7-1, 1984

- 1.) Set tubing plug. RU and install 5000 psi hydraulic BOP.
- 2.) Rig up Snubbing unit, pull and lay down 2 7/8" production tubing.
- 3.) RU wireline unit and set Baker Model FA-1 permanent packer at 6600' wlm, with blanking plug below packer.
- 4.) Load 7" casing with water and pressure test to 3000 psig.
- 5.) Run 4 1/2" 11.6# K-55 tubing with Baker K-22 latch in seal assembly, circulate inhibited packer fluid, latch into packer.
- 6.) Nipple down BOP, Nipple up wellhead.
- 7.) Pressure test tubing to 3000 psig. Retrieve Blanking Plug, return to service.

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

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

SIGNED David E. Myer TITLE Area Prod. Eng. DATE 7-13-84

ACCEPTED FOR RECORD

(This space for Federal or State office use)

APPROVED BY [Signature] TITLE _____ DATE _____
CONDITIONS OF APPROVAL IF ANY:

JUL 16 1984

NEW MEXICO *See Instructions on Reverse Side

5. LEASE
NM-22207
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Washington Ranch Storage Project

9. WELL NO.
W-1 Federal
9

10. FIELD OR WILDCAT NAME

Washington Ranch Morrow

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

Sec. 33, T-25-S, R-24-E

12. COUNTY OR PARISH | 13. STATE
Eddy | N. Mex

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
GR-3753'

RECEIVED BY

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

ANTONIA

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY, NM 88210

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 ☐ gas ☐ other ☒ Gas Storage Well

2. NAME OF OPERATOR

El Paso Natural Gas Co. ✓

3. ADDRESS OF OPERATOR

1800 Wilco Bldg., Midland, Texas 79701

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 572' FEL & 1707' FNL

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

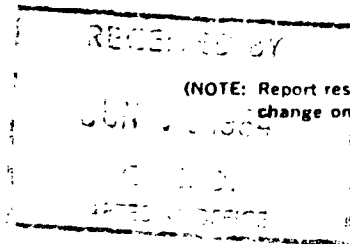
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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:

☐
☐
☐
☐
☐
☐
☐
☐
☐
☐



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.)*

- 1.) Move in and Rig up workover unit, set tubing plug.
- 2.) Remove wellhead and install BOP.
- 3.) Pull production tubing with snubbing unit.
- 4.) Run permanent packer on wireline and set +100' above perforations.
- 5.) Run production tubing, circulate treated packer fluid.
- 6.) Land tubing with latch in sub in packer, remove BOP, install wellhead.
- 7.) Remove tubing plug, release workover unit, return to service.

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

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

SIGNED David E. Myer TITLE Sr. Production Eng. DATE June 15, 1984

(This space for Federal or State office use)

APPROVED BY Dr. Pitschke TITLE P.E. DATE 6/20/84

CONDITIONS OF APPROVAL, IF ANY:

NO. OF COPIES RECEIVED

DISTRIBUTION

SANTA FE ☒

FILE ☐

U.S.G.S. ☐

LAND OFFICE ☐

TRANSPORTER ☐

OIL ☐

GAS ☐

OPERATOR ☐

PRODUCTION OFFICE ☐

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and C-110
Effective 1-1-65

Operator

EL PASO NATURAL GAS COMPANY

Address

1800 WILCO BUILDING - MIDLAND, TEXAS 79701

Reason(s) for filing (Check proper box)

New Well ☒

Recompletion ☐

Change in Ownership ☐

Change in Transporter of:

Oil ☐

Casinghead Gas ☐

Dry Gas ☐

Condensate ☐

Other (Please explain)

GAS STORAGE WELL

If change of ownership give name and address of previous owner

1. DESCRIPTION OF WELL AND LEASE

Lease Name

WASHINGTON RANCH GAS STORAGE PROJECT

Well No.

9

Pool Name, including formation

WASHINGTON RANCH/GAS POOL MORROW

Kind of Lease

FEDERAL

Location

SANTA FE North

Unit Letter

H

572'

Feet From The

East

Line and

1707'

Feet From The

North

Line of Section

33

Township

25-S

Range

24-E

NMPM,

EDDY

County

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☐

Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒

EL PASO NATURAL GAS COMPANY

Address (Give address to which approved copy of this form is to be sent)

ATTN: PRODUCTION CONTROL

P. O. BOX 1492, EL PASO, TEXAS 79788

If well produces oil or liquids, give location of tanks.

Unit

Sec.

Twp.

Rge.

Is gas actually connected?

No

If this production is commingled with that from any other lease or pool, give commingling order number:

COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		X	X					
Date Spudded	Date Compl. Ready to Prod.		Total Depth		P.B.T.D.			
11-7-81	1-12-82		7090'		7040'			
Pool	Name of Producing Formation		Top Oil/Gas Pay		Tubing Depth			
WASHINGTON RANCH/GAS POOL	MORROW		6726'		6909'			
Perforations					Depth Casing Shoe			
6726'-6901'					7084'			
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
12 1/4	9 5/8		826'		1 100 sxs Class "H"			
8 3/4	7		7084'		400 sxs Class "H"			
6 1/8	2 7/8		6909'					

TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
708	24 hrs	-	-
Tested Method (pilot, back pr.)	Tubing Pressure	Casing Pressure	Choke Size
Back Pressure	259 psi	391 psi	16/64"

CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

John S. Deek
(Signature)
Supervisor Production Services
(Title)
6-29-82
(Date)

OIL CONSERVATION COMMISSION

APPROVED JUL 28 1982

BY *W. A. Gassett* 19

TITLE SUPERVISOR, DISTRICT II

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out Sections I, II, III, and VI only for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOGS

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other GAS STORAGE
2. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. LSNR. ☐ Other NEW OIL

3. NAME OF OPERATOR

EL PASO NATURAL GAS COMPANY

4. ADDRESS OF OPERATOR

1800 WILCO BUILDING - MIDLAND, TEXAS 79701

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 572' FEL & 1707' FNL

At top prod. interval reported below

At total depth

JUL 29 1982

6. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

11-7-81

16. DATE T.R. REACHED

12-3-81

17. DATE COMPL. (Ready to prod.)

SANTA FE-12-82

18. ELEVATIONS (DF, REB, RT, GR, ETC.)*

3765' KB

19. ELEV. CASINGHEAD

3753'

20. TOTAL DEPTH, MD & TVD

7090'

21. PLUG, BACK T.D., MD & TVD

7040'

22. IF MULTIPLE COMPL.,
HOW MANY*23. INTERVALS
DRILLED BY

ROTARY TOOLS

X

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

6726' - 6901' Morrow Clastics

25. WAS DIRECTIONAL
SURVEY MADE

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

Comp Neutron/F. Density, DIL/SFL, BCS, CBL

27. WAS WELL CORED

Yes

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8	32.30	826'	12 1/4	1,100 sxs Class "C"	None
7	23.00	7084'	8 3/4	400 sxs Class "H"	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8	6909'	

31. PERFORATION RECORD (Interval, size and number)

6726' - 6901' 4 SPF

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
None	

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
N/A		Flowing				Shut in	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
1-14-82	24 hrs	16/64"	→	-	408	-	-
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	ACCEPTED FOR RECORD API (CORR.)	
259 psi	391 psi	→	-	408	-	-	

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

EPNG Pipeline

TEST WITNESSED BY

JUL 2 1982

35. LIST OF ATTACHMENTS

U.S. GEOLOGICAL SURVEY

36. I hereby certify that the foregoing and attached information is complete and correct as determined from

SIGNED

John D. Deek

TITLE

Supervisor Production Services

DATE

6-24-82

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

El Paso EXPLORATION
COMPANY

1800 WILCO BUILDING
MIDLAND, TEXAS 79701

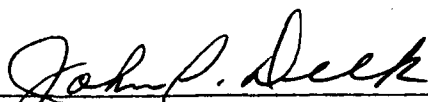
PHONE: 915-684-5701

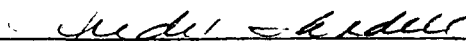
WASHINGTON RANCH STORAGE PROJECT NO. 9

Sec. 33, T-25-S, R-24-E
Eddy County, New Mexico

<u>DEPTH</u>	<u>HOLE SIZE</u>	<u>DEVIATION-DEGREES</u>
1,450	8 3/4"	1 1/2
1,978	8 3/4"	1/2
2,466	8 3/4"	1 3/4
3,572	8 3/4"	3/4
4,352	8 3/4"	1 1/4
4,850	8 3/4"	3 3/4
5,535	8 3/4"	1/2
6,534	8 3/4"	3/4

SWORN TO and SUBSCRIBED before me by John S. Delk on this the 11th
Day of June, 1982.


John S. Delk


Judy Sandell, Notary Public
State of Texas

My commission expires June 29, 1984

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Antesita, NM 88210

5. LEASE

NM 22207

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Washington Ranch Storage Project *WT Fed*

9. WELL NO.

WT Federal #9

10. FIELD OR WILDCAT NAME

Washington Ranch *716*

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

Sec 33, T-25-S, R-24-E

12. COUNTY OR PARISH 13. STATE

Eddy NM

14. API NO.

NA

15. ELEVATIONS (SHOW DF, KDB, AND WD)

GR 3753'

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 Storage

2. NAME OF OPERATOR

El Paso Natural Gas Co.

3. ADDRESS OF OPERATOR

1800 Wilco Bldg; Midland, Texas 79701

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 572' FEL & 1707' FNL

AT TOP PROD. INTERVAL:

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 ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

CHANGE ZONES ☐

ABANDON* ☐

(other) Perforate & rn tbg

(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.)*

On 1-9-82, RU McCullough and perforated 6897-6901, 6854-6888, 6837-6839, 6828-6831, 6746-6756, 6726-6741, 4 spf, .5" holes (296 holes). Ran 2 7/8", 6.4#, J-55 tubing, set @ 6908.73'. Waiting on completion.

Project approved by NMOCD Order No. R-6175-A

Subsurface Safety Valve: Manu- and Type

Set @

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

SIGNED

TITLE Supv. Prod. Svc.

DATE 2-9-82

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

U.S. GEOLOGICAL SURVEY
ROCKWELL, NEW MEXICO

DATE

UNITED STATES NM OIL CONS. COMMISSION
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY Artesia, NM 88210 NM 22207Form Approved.
Budget Bureau No. 42-R1424

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 <input type="checkbox"/> gas well <input checked="" type="checkbox"/> other <input type="checkbox"/> Storage
2. NAME OF OPERATOR El Paso Natural Gas Company
3. ADDRESS OF OPERATOR 1800 Wilco Building - Midland, TX 79701
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) AT SURFACE: 572' FEL & 1707' FNL AT TOP PROD. INTERVAL: AT TOTAL DEPTH:
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

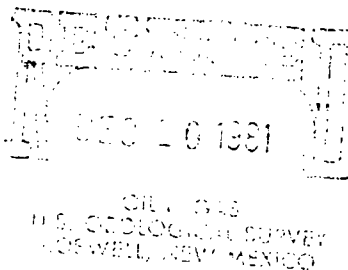
REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
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 type="checkbox"/>
(other) Run 7" casing	

5. LEASE 88210 NM 22207
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME Washington Ranch Storage Project
9. WELL NO. W. I. Federal No. 9
10. FIELD OR WILDCAT NAME Washington Ranch
11. SEC., T., R., M., QR, BLK. AND SURVEY OR AREA Sec 33, T-25-S, R-24-E
12. COUNTY OR PARISH Eddy
13. STATE New Mexico
14. API NO. N/A
15. ELEVATIONS (SHOW DF, KDB, AND WD) GR 3753'

(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.)*

Drilled to 7090' and ran 7", N-80 casing set at 7084'. Cemented with 400 sxs. Class "H" cement, plug down at 9:15 p.m. 12-4-81. TOO at 5696'. Released rig at 7:00 a.m. 12-5-81. Waiting on completion.



Subsurface Safety Valve: Manu. and Type _____

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

SIGNED John D. Deek TITLE Supervisor Production Services DATE 12-8-81

ROGER A. CHAPMAN (This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL DEC 11 1981U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Artesia, NM 86210 LEASE

NM 22207

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Washington Ranch Storage Project

9. WELL NO.

WI-Federal #9

10. FIELD OR WILDCAT NAME

Washington Ranch 71101000

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

Sec. 33, T-25-S, R-24-E

12. COUNTY OR PARISH 13. STATE

Eddy NM

14. API NO.

NA

15. ELEVATIONS (SHOW DF, KDB, AND WD)
GR 3753

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 Storage

2. NAME OF OPERATOR

El Paso Natural Gas Co.

3. ADDRESS OF OPERATOR

1800 Wilco Bldg.; Midland, Texas 79701

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 572' FEL & 1707' FNL

AT TOP PROD. INTERVAL:

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 ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐CHANGE ZONES ☐ABANDON* ☐

(other) Spud & Drilling Operation

(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.)*

On 11/7/81 spudded 12 1/4" hole @ 6 AM, Young Drilling (Rig #4).
Drilled to 842' and ran 9 5/8", 32.3#, H-40 casing and set @ 825.97'.
Cemented w/1100 sx. Class "C" cement and circulated 25 sx. to surface.
Job complete @ 2:30 AM, 11-9-81. WOC 14 1/4 hrs and tested casing, test OK. Reduced hole to 8 3/4" and resumed drilling operations.

ACCEPTED FOR RECORD
Subsurface Safety Valve: Make and Type _____

Set @ _____ Ft.

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

SIGNED John DE C 11-1981 TITLE Suprv. Prod. Svc. DATE 11-18-81U.S. GEOLOGICAL SURVEY (This space for Federal or State office use)
APPROVED BY ROSWELL, NEW MEXICO TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form 1-1-79
Supersedes C-128
Effective 1-1-80

All distances must be from the outer boundaries of the Section.

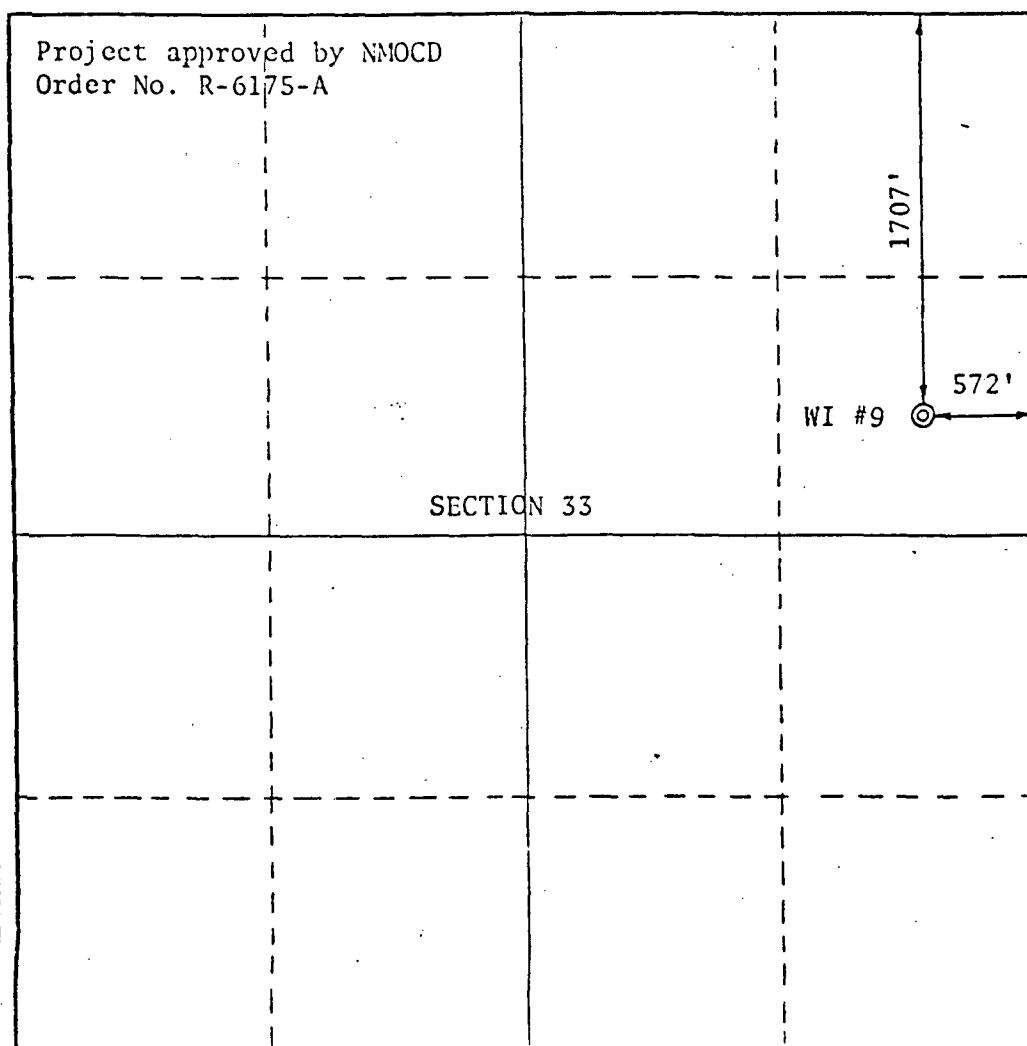
Operator El Paso Natural Gas Co.		Lease Washington Ranch Storage Project <i>WI #9</i>		Well No. #9
Unit Letter H	Section 33	Township 25-S	Range 24-E	County Eddy County, New Mexico
Actual Footage Location of Well:				
572		East		1707
feet from the		line and		feet from the
				North
				line
Ground Level Elev. 3753 Ft.	Producing Formation Morrow	Pool Washington Ranch	Dedicated Acreage: NA	
			Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. NA
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). NA
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc? NA

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



Project approved by NMOCD
Order No. R-6175-A

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

G. D. Morris

Name

G. D. Morris

Position

Area Drilling Engineer

Company

El Paso Natural Gas Co.

Date

May 19, 1981

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

4-24-81

Registered Professional Engineer
and/or Land Surveyor

Carl J. Montoya

Certificate No.

LS #1517

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-015-23827

5. LEASE DESIGNATION AND SERIAL NO.

NM 22207

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Washington Ranch Storage

9. WELL NO. Project

WI Federal #9 WI Fed.

10. FIELD AND POOL, OR WILDCAT

Washington Ranch

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

Sec. 33, T-25-S, R-24-E

12. COUNTY OR PARISH

Eddy

13. STATE

New Mexico

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 Storage

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

El Paso Natural Gas Company

3. ADDRESS OF OPERATOR

1800 Wilco Building; Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

572' FEL, 1707' FNL, Section 33

At proposed prod. zone

Same

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

6 miles SW whites City, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

NA

16. NO. OF ACRES IN LEASE

NA

17. NO. OF ACRES ASSIGNED
TO THIS WELL

NA

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

NA

19. PROPOSED DEPTH

+ 7,050'

20. ROTARY OR CABLE TOOLS

Rotary

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

3753 GR

22. APPROX. DATE WORK WILL START*

July 1, 1981

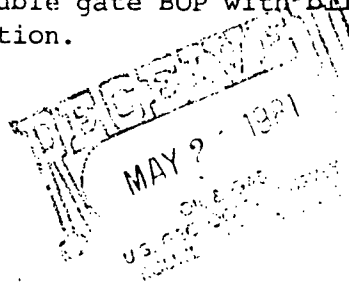
23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
16"	13 3/8" cond.	29.3 H-40	40'	30 cu ft
12 1/2"	9 5/8"	32.3 H-40	800'	630 cu ft to circulate
8 1/2"	7"	23.0 H-80	7,050'	1341 cu ft

Project approved by NMOC D Order No. R-6175-A.

Selectively perforate and treat the Morrow formation for gas storage.

A 3000 psi W.P. and 6000 psi test double gate BOP with blind and pipe
rams will be used for blowout prevention.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

TITLE

Area Drilling Engineer

DATE

May 19, 1981

(This space for Federal or State office use)

PERMIT NO.

APPROVED

APPROVAL DATE

APPROVED BY

GEORGE H. STEWART

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

JUN 9 1981

FOR

JAMES A. GILLHAM
DISTRICT SUPERVISOR

*See Instructions On Reverse Side

COUNTY EDDY THIRD Washington Ranch STATE NM
 OPR EL PASO NATURAL GAS CO. API 30-015-23827
 NO 9 LEASE Washington Ranch Gas Storage Project MAP
 Sec 33, T25S, R24E /"WI" Federal CO-ORD
 1707 FNL, 572 FEL of Sec 8-2-40 NM
 10 mi SW/White City SPD 11-7-81 CMP 1-14-82

CSG	WELL CLASS: INIT IW FINDG LSE. CODE			
	FORMATION	DATUM	FORMATION	DATUM
9 5/8-826-1100 sx				
7-7084-400 sx				
2 7/8-6909				
	TD 7090(MRRW)		PBD 7040	

IP(Morrow) Perfs 6726-6901 F 408 MCFGPD. Pot based on 24 hr test thru 16/64 chk. GOR Dry; gty (Gas) (NR); CP 391; TP 259

PLC: EL Paso Natural Gas Co.

CONTR Young OPRS ELEV 3753 GL, 3765 KB sub-s 11

F.R. 6-8-81
 PD 7050 RT (Morrow)
 8-14-82 AMEND WELL NUMBER & ADD LEASE DESIGNATION:
 Formerly WI-9
 11-10-81 Drlg 842
 11-17-81 Drlg 4532
 12-1-81 Coring @ 6994
 12-8-81 TD 7090; WOCU
 Cores (NA)
 1-12-82 TD 7090; PBD 7040; SI
 Perf (Morrow) 6726-41, 6746-56, 6828-31,
 6837-39, 6854-88, 6897-6901 w/4 SPF
 Natural
 8-9-82 TD 7090; PBD 7040; Complete
 LOG TOPS: Delaware Sand 540, Cherry Canyon
 1407, Bone Spring 3575, Wolfcamp 5438,
 Strawn 5708, Atoka 5862, Morrow Lime 6540,
 Morrow Clastics 6654

8-2-40 NM

EDDY

EL PASO NATURAL GAS
CO.

Washington Ranch

NM

9 Washington Ranch Gas Page #2

Storage Project "WI" Federal

Sec 33, T25S, R24E

8-9-82

Continued

LOGS RUN: CNL, FDC, DILL, SONL, FOCL, CBND

Will be used as Gas Storage Well

8-14-82

COMPLETION ISSUED

8-2-40 NM

IC 30-015-70256-81

FM OIL CONS. COMMISSION
Drawer 10
Albuquerque, NM 87100

Form 9-211
Dec. 1971

Form Approved
Budget Bureau No. 42-01414

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 9-211-C for such proposals.)

1. Oil well ☐ Gas well ☐ other X (Storage)
2. NAME OF OPERATOR
El Paso Natural Gas Co. ✓
3. ADDRESS OF OPERATOR
1800 Wilco Bldg. Midland, Texas 79701
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1007' FNL & 572' FNL, Sec 3.
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH: 836'

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

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

5. LEASE
WI Federal NM0525452-A
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT ACQUISITION NAME
8. FARM OR LEASE NAME
Washington Ranch Storage Project
9. WELL NO.
15
10. FIELD OR WILDCAT NAME
Washington Ranch Project
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 3, T-26-S, R-24-E
12. COUNTY OR PARISH
Eddy
13. STATE
New Mexico
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)
3750 GL

(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.)

1. Move on location and place 8 sack plug in 9 5/8" surface casing.
2. Cut casing 3' below ground level.
3. Weld plate over 9 5/8" casing and weld dry hole marker to plate.
4. Clean up and restore location as per BLM letter dated 11/10/82.
5. Well plugged 12/29/82.

RECEIVED

JAN 7 1983

OIL & GAS
MINERALS MGMT. SERVICE
ROSWELL, NEW MEXICO

Subsurface Safety Valve: Manu. and Type

Set @ Ft.

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

SIGNED Frank T. Pyle TITLE Project Drly Engr DATE 01/06/83

APPROVED (This space for Federal or State office use)

(Orig. Sgd.) PETER W. CHESTER TITLE
APPROVED BY
CONDITIONS OF APPROVAL, IF ANY

DATE

OCT 31 1983

*See instructions on Reverse Side

Form 5-550
(Rev. 5-65)
NM OIL CONS. COMMISSION
Drawer DD
Artesia, NM 88210

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)

Form approved
Budget Bureau No. 42 2311 2

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ HOT ☐ Other ☒ Storage

2. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP ☐ PICK ☐ DIVE ☐ Other ☒ X D & A

3. NAME OF OPERATOR
El Paso Natural Gas Company

4. ADDRESS OF OPERATOR
1800 Wilco Bldg. Midland, Texas 79701

5. LOCATION OF WELL (Report location clearly and in accordance with instructions on reverse side)
At surface 1007' FNL & 572' FNL, Sec 3.

At top prod. interval reported below

At total depth 836'

RECEIVED

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
R-6175-A
ROSWELL, NEW MEXICO

6. LAND DESCRIPTION AND SERIAL NO.
WI Federal NM0525452-4

7. IF INDIAN, ALLOTTEE OR TRUST NAME

8. UNIT ASSIGNMENT NAME

9. FARM OR LEASE NAME

Washington Ranch Storage

WELL NO.

15 WI 15

10. FIELD AND POOL OR WELDCAT

11. SEC., T., R., OR BLOCK AND ACRES
OF LAND

Sec 3, T-26-S, R-24-E

12. COUNTY OR
PARISH
Eddy

13. STATE
New Mexico

14. DATE STOPPED 01-17-82 15. DATE T.D. REACHED 01-20-82 16. DATE COMPL. (Ready to prod.) D & A 17. ELEVATION (OF SURF. OR OF SURF. OF PROD. INT.) 3750' GL 18. ELEV. CASINGHEAD 3750'

19. TOTAL DEPTH, MD & TVD 836' 20. PLUS, PACK T.D., MD & TVD 836' 21. IF MULTIPLE COMPLET. HOW MANY? 22. INTERVALS DRILLED BY 23. INTERVALS CABLE TOOLS

24. PRODUCE INTERVAL(S), OF THIS COMPLETION TOP, MIDDLE, BASE (MD AND TVD)*

None

25. TYPE ELECTRIC AND OTHER LOGS RUN

None

26. WAS WELL CURED

No

27. Casing Record (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLES SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	32.3	813.43'	12 1/4"	750 sxs. C1 "C", Cmtd backside w/1250 sxs Thixolite - Cir 40 sack to surface	

LINER RECORD				TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	PACKED CEMENT	SIZE	DEPTH SET (MD)	PACKED SET (MD)	
None				None			

28. PERFORATION RECORD (Interval, size and number)

None

29. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

30. PRODUCTION
DATE FIRST PRODUCTION D & A PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)

WELL STATUS (Producing or shut-in)

DATE OF TEST	HOLES TESTED	CHOKER SIZE	PROD. P. PORE TEST PERIOD	OIL REL.	GAS REL.	WATER REL.	GAS-OIL RATIO
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 30 HOLES RATE	OIL REL.	GAS REL.			OIL GRAVITY-API (CONS.)

31. Disposition of gas (Bled, used for fuel, vented, etc.)

ACCEPTED FOR RECORD
JORG. SGD. J. DAVID R. CLASS

JAN 11 1983

32. LIST OF ATTACHMENTS

33. I hereby certify that the foregoing and attached information is complete and true to the best of my knowledge and belief.

SIGNED *Spencer L. De Mui*

TITLE Project Geol. Engr.

DATE 01/06-83

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

[illegible][illegible]

Form 9-331
Dec. 1973

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

NM OIL CONS. COMMISSION

Drawer DD

Artesia, NM 88210

Form Approved
Budget Bureau No. 42-B14.4

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 9-111-1 for such proposals.)

1. Oil well ☐ Gas well ☒ other ☐ Storage

2. NAME OF OPERATOR

El Paso Natural Gas Co.

3. ADDRESS OF OPERATION

1800 Wilco Bldg.; Midland, Texas 79701

4. LOCATION OF WELL (REPORT LOCATION CLEARLY See space 17 below)

AT SURFACE: 1007' ENL. & 572' FWL.

AT TOP PROD. INTERVAL:

A. TOTAL DEPTH:

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:

Spud & Drig Operations

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.)*

On 1-17-82, spudded 12 1/4" holes @ 1 AM, Young Drig (Rig #4).
Drilled to 836' and ran 9 5/8", 32.3#, H-40 casing set @ 813.43'.
Cemented w/750 sx Class "C" cement. Job complete @ 11:45 AM.
1-18-82. RU 1" tbg & cemented backside with 1250 sx Thixolite
cement and circulated 40 sx to surface. Cut off 9 5/8" casing and
NU BOPs. Well is temporarily abandoned, 1-19-82.

Project approved by NMOCD Order No. R-1675-A

Subsurface Safety Valve: Manu. and Type

Set @

Set @

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

SIGNED John D. Deek TITLE Supv. Prod. Svc. DATE 2-9-82

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY

FEB 19 1982

(This space for Federal or State office use)

TITLE

DATE

*See Instructions on Reverse Side

5. LEASE

NM-0525452-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Washington Ranch Storage Project

9. WELL NO.

10. FIELD OR WILDCAT NAME

Washington Ranch 771

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

Sec 3, T-26-S, R-24-E

12. COUNTY OR PARISH 13. STATE

Eddy NM

14. API NO

NA

15. ELEVATIONS (SHOW OF, KDB, AND WD)

CR 3750'

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

Form 100-10
(May 68)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE
(Include instructions on
reverse side)

Form 100-10
H. 100-10, No. 12 81425

30. 015-24018

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WELL ☒ DRILL ☐ DEEPEN ☐ PLUG BACK ☐

2. TYPE OF WELL ☐ OIL ☐ GAS ☒ STORAGE ☐ SINGLE ☒ MULTIPLE ☐

3. NAME OF OPERATOR
El Paso Natural Gas Co.

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
1000 Wilco Pkwy., Midland, Texas 79701
1007' FWL, 522' FWL

5. NAME OF LEASE
Washington Ranch Storage

6. WELL NO.
NM 0525452-A

7. DATE OF PERMIT
Jan 1, 1982

8. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
6 miles SW Whites City, NM

9. DISTANCE FROM PROPOSED WELL TO NEAREST PROPERTY OR LEASE LINE, FT.
NA

10. DISTANCE FROM PROPOSED WELL TO NEAREST WELL (Indicate completion, or apply for, on this lease, ft.)
NA

11. ELEVATIONS (Show whether DT, RT, GR, etc.)
3750' GR

12. DATE WHEN WELL WILL START
Jan 1, 1982

PROPOSED CEMENTING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CEMENT	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
16"	11 3/8" Cond	29.1 H-40	40'	10.0 cu ft
12 1/4"	9 5/8"	42.1 H-40	800'	6.0 cu ft
8 1/2"	7"	21.0 H-80	7,050'	141 cu ft

Project approved by MNOCD Order No. R-6175-A.
Selectively perforate and treat the Morrow formation for gas storage.
A 1000 psi WP and 6000 psi test double gate BOP w/blind and pipe rams
will be used for blowout prevention.

DEC 11 1981

RECEIVED
NOV 16 1981

GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

IN ADVANCE OF PERFORMING OPERATIONS. If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Also blowout prevention program, if any.

APPROVED BY *Harry R. Michael* DATE 11-11-81

(This space for Federal or State office use)

PERMIT NO. APPROVED APPROVAL DATE

APPROVED BY DATE

DEC 7 1981

JAMES A. GILLHAM
DISTRICT SUPERVISOR

*See Instructions On Reverse Side

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Superseded by
1-21-81

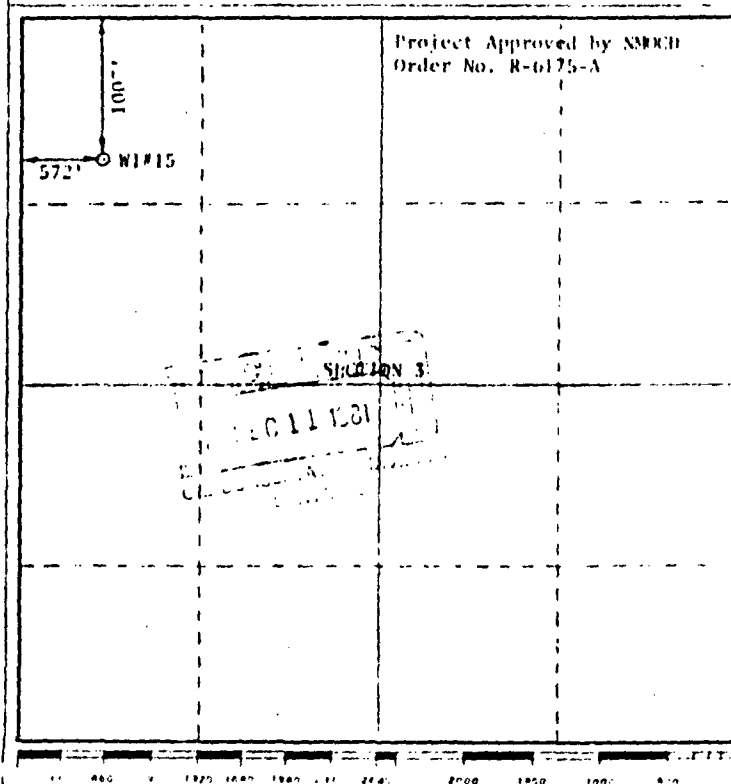
All distances must be from the outer boundaries of the section.

El Paso Natural Gas Co.		Washington Ranch Storage Project		44415
0	3	26-S	24-E	ddy County, New Mexico
1007	North	572	West	
3750	Morrow	Washington Ranch	N/A	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below. NA
 - If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). NA
 - If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc? NA
- [] Yes [] No If answer is "yes" type of consolidation _____

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable well be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Harry L. Mitchell
H. L. Mitchell

Dr. Ing. Engr.

El Paso Natural Gas Co.

1-21-81

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

1-21-81

Ed D. Stanbelle
Ed D. Stanbelle

LS 41317

1998

30-115-24018

• • •

• • • • •

2-3-16 SM

(u) - 25-82

WELL CLASS NOT IN THE D-10 GROUP

876 (b)(5D)

Feb

1944 - 1945

10 7050 RT (4.01 row)

AMEND WELL NUMBER & ADD LEASE DISTRICTS:

formerly WI-15

FD 836; WOC

TD 836; WORK

FD 836; Dr; A Abandoned

LOC TOPS: on title 180, Lane 300, Delaware
Sand 575

COMPLETION: ISSUED

$$m, n \in \mathbb{N}, m \leq n, m \neq n, m \neq 0, n \neq 0$$

EDDY COUNTY NEW MEXICO WASHINGTON RANCH
Well: EL PASO NATURAL GAS CO, 15 Washington Ranch Result: D & A D
Loc'n: Storage Project "WI" Federal
10 mi SW/White City; 1007' FNL, 572' FWL Sec 3-26S-24E

Spud: 1-17-82; Comp: 1-25-82; Elev: 3750' Grd; TD: 836' Dela Sd
Casing: 9-5/8" 813'/750 sx
Comp Info: C/Young #4
Tops EL: Castile 180', Lamar 500', Delaware sd 575'
API No: 30-015-24018

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Date: 2-23-83 Card No: 36 dh

SF

SUNDRY NOTICES AND REF. S ON WELLS

1. oil ☐ gas ☐ other DRY HOLE

2 NAME OF OPERATOR
FLORIDA EXPLORATION CO.

3. ADDRESS OF OPERATOR
Box 5025 DENVER Colo 80217

4 LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2310' FWL + 330' FSL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

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

REQUEST FOR ASSISTANCE
TEST WATER SHUT OFF
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL
PULL OR ALTER CASING
MULTIPLE COMPLETE
CHARGE ZONE
ATTACHING
(other)

SUBSEQUENT HISTORY:

174(3) Report results of audit of completion of form
174.444-100 Form 174-1

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent date, including reference to date of planning, any proposed work. If work is already being started, give estimated or beginning and completion and final scope of design, but all necessary and present, contained in this work.)

The above referenced well was plugged + abandoned on 10/19/83 per the attached chronological history.



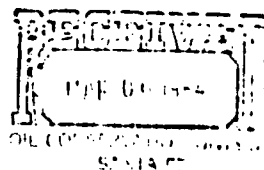
Soil surface Safety Value; Manu. and Type _____ Set in _____

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

SIGNED David T. Galt TITLE DIVISION ENGINEER DATE 10/26/83

APPROVED BY _____ FILE _____ DATE _____
 CONDITIONS OF AWARD: If any.

*See instructions on Reverse Side



STATE _____ COUNTY _____ AREA _____
PARISH _____ FIELD _____
SECTION _____ BLOCK _____ SURVEY _____
TWP _____ RANGE _____
COMPANY _____
LEASE *Inoxco Federal* WELL NO. _____

DATE	REMARKS
10-17-63	D-1. MI Howard Footright Rig #1. Rld WH down off. Unplanned WH & install ROP. Unset 4th & RWH w/150 lbs 2-3/8" thk. BH W.L. & TIL W/1000. Set 4-21. RWH w/W.L. TWC: 53,126 CWC: 53,126
10-18-63	D-2. Open well & TIL w/2-3/8" thk to 450'. Mix mud & cement. Mix & run 25 ex cement. Shut H-W & feed gas to 1000 psi. LCH w/100. BH W.L. & TIL w/1000. RWH & shut ROP. PI to 450' & STEW. DWC: 52,714 CWC: 52,714
10-19-63	D-1. TIL w/5-1/2" totalizer. Set retainer 2-1000'. ROP W.L. TIL w/1000 & 2-3/8" thk. 10 hole & start into retainer. Mix mud & cement. Mix & run 65 ex Class 'G' wt. Unset 4th retainer & shut 5 ex on top of re- tainer. RWH w/100 & string. Remove 5'F. Put out collar. Had welder cut of WH. Install 10 ex surf plug w/drainage marker. DWC: 52,957 CWC: 52,957

NM OIL CONS. COMMISSION

Drawn DD
Artesia NM

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PERMIT IN TESTIMONY
WHEREAS, the applicant has filed with the Commission a valid application for a permit to drill or to deepen or to plug back to a different reservoir the well described below:

Form 400-100
1-20-70 (Revised Nov. 45 R144)
G.S. 400-100-1

WM 315-4

SUNDRY NOTICES AND REPORTS ON WELLS

(Check and use the form for a proposal to drill or to deepen or to plug back to a different reservoir the well described below. Use "APPLICATION FOR PERMIT" for such proposals.)

1. NAME OF OPERATOR FLOPIDA EXPLORATION COMPANY	2. WELL NO. 303/696-7482	3. NAME OF APPLICANT NAME INEXCO FEDERAL
4. ADDRESS OF OPERATOR 3151 S. Vaughn Way Suite #200 Aurora, CO 80014	5. WELL NO. 1	6. NAME OF WELL Wildcat
7. LOCATION OF WELL (Report location clearly and in accordance with any State regulations.) 2310' FWL & 330' FSL	8. COUNTY OR PARISH Eddy	9. STATE NM
10. PERMIT NO. 38511-GL	11. EXPLANATION (Show whether Dr., D., or H.E.) 38511-GL	12. COUNTY OR PARISH Eddy

13. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO	BY REQUESTING REPORT UP:
1. TEST WELLS 2. TEST OF TREATMENT 3. TEST OF ABILITY 4. TEST OF WELL 5. OTHER	1. WATER SHUT OFF 2. FRACTURE TREATMENT 3. SHUTTING OR ABILITY 4. OTHER

14. (See instructions on reverse side of this form for details of all pertinent notices and reports and dates, including estimated date of starting at proposed well. If well is being drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to the work.)

FLORIDA EXPLORATION is requesting permission to abandon the above captioned well. We propose to set a CIBP immediately above perforations with a 25 sk cem plug on top and a 25 sk surface plug.

* Additional plug needed:
Perf 5 1/2" casing at 1790'. Squeeze 100' cmt. plug back to 1190' in 4" behind 5 1/2" casing. P.W.C.

RECEIVED
AUG 9 11 22 AM '83
DIP.
ROCK
DIRECT

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

SIGNED <i>Latonia D. Probst</i> APPROVED	TITLE Sr. Prod Tech	DATE 7/1/83
APPROVED BY SEP 21 1983	TITLE	DATE

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1. TYPE OF WELL: ☒ OIL ☐ GAS ☐ WATER ☐ OTHER ☐ **RECEIVED**

2. DATE OF COMPLETION: ☒ NEW ☐ REPAIR ☐ RECOMPLETION ☐ OTHER ☐ **APR 21 1983**

3. NAME OF OPERATOR: **Florida Exploration Company, L.C.O.**

4. LOCATION: **3151 S. Vaughn Way, Box 300, Aurora, CO 80015**

5. WELL IDENTIFICATION: **ARTESIA, CO**

6. WELL DEPTH: **330' FSL**

7. AT THE POINT OF COMPLETION, THE WELL WAS: **Same**

8. AT THE POINT OF COMPLETION, THE WELL WAS: **Same**

9. AT THE POINT OF COMPLETION, THE WELL WAS: **Same**

10. AT THE POINT OF COMPLETION, THE WELL WAS: **Same**

11. AT THE POINT OF COMPLETION, THE WELL WAS: **Same**

12. AT THE POINT OF COMPLETION, THE WELL WAS: **Same**

13. AT THE POINT OF COMPLETION, THE WELL WAS: **Same**

14. AT THE POINT OF COMPLETION, THE WELL WAS: **Same**

15. AT THE POINT OF COMPLETION, THE WELL WAS: **Same**

16. AT THE POINT OF COMPLETION, THE WELL WAS: **Same**

17. AT THE POINT OF COMPLETION, THE WELL WAS: **Same**

18. AT THE POINT OF COMPLETION, THE WELL WAS: **Same**

19. AT THE POINT OF COMPLETION, THE WELL WAS: **Same**

20. AT THE POINT OF COMPLETION, THE WELL WAS: **Same**

21. AT THE POINT OF COMPLETION, THE WELL WAS: **Same**

22. AT THE POINT OF COMPLETION, THE WELL WAS: **Same**

23. AT THE POINT OF COMPLETION, THE WELL WAS: **Same**

24. AT THE POINT OF COMPLETION, THE WELL WAS: **Same**

25. AT THE POINT OF COMPLETION, THE WELL WAS: **Same**

26. AT THE POINT OF COMPLETION, THE WELL WAS: **Same**

27. AT THE POINT OF COMPLETION, THE WELL WAS: **Same**

28. AT THE POINT OF COMPLETION, THE WELL WAS: **Same**

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41. AT THE POINT OF COMPLETION, THE WELL WAS: **Same**

42. AT THE POINT OF COMPLETION, THE WELL WAS: **Same**

43. AT THE POINT OF COMPLETION, THE WELL WAS: **Same**

44. AT THE POINT OF COMPLETION, THE WELL WAS: **Same**

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Head Log, 44" Cast Diameter, 1/2" Cement, 1/2" Cement, 1/2" Cement

LOG NO.	DATE	TIME	WELL NO.	WELL DEPTH	WELL TYPE	WELL STATUS
8518	24	1239	1214	850 SX		0
512	15.50/17	8650	714	1600 SX		0

LOG NO.	DATE	TIME	WELL NO.	WELL DEPTH	WELL TYPE	WELL STATUS
212	4.554	No Power				

LOG NO.	DATE	TIME	WELL NO.	WELL DEPTH	WELL TYPE	WELL STATUS
4630-27	4SPF	5187-5398	4630-27	2000 gal ms acid, 3000 gal		
4630-24	4SPF	4933-5046	4630-24	176 ms gelled acid, 4000 gal		
4630-24	4SPF	4632-4708	4630-24	acid, 1876 1/2 wash		
4630-24	4SPF	4632-4708	4630-24	3500 gal ms acid		

PRODUCTION: 4630-27, 4630-24, 4630-24, 4630-24

LOG NO.	DATE	TIME	WELL NO.	WELL DEPTH	WELL TYPE	WELL STATUS
4630-27	24	1300	250	20		

ACCEPTED FOR RECORD
(ORIG. SGD) DAVID R. GLASS
APR 20 1983

SIGNED: *John L. Glass* TITLE: *Production Technician*

APR 19 1983 (See Instructions and Spaces for Additional Data on Reverse Side)

ASKWIG POSTED: 05/11/83

General: This form is designed for submitting a summary report on all types of lands and cover within a Federal agency or State agency. It is subject to applicable Federal and/or State laws and regulations. A 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 policies, either are shown below or will be issued by, or may be obtained from, the local Federal office. See instructions on Items 22 and 24, and 33, below regarding separate reports for separate jurisdictions.

Item 1: Prior to the time this summary report is submitted, copies of all currently available maps (airphoto, orthophoto, aerialphoto and/or State laws and regulations, if any) and related reports, 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 2: If there are no applicable State requirements, limitations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 3: Indicate which operation is used. No reference (either oral or otherwise) to any land measurement is given in other items on this form and is not a requirement.

Item 22 and 24: If this was a completed or partial production from more than one survey, give (multiple completion), no date in item 22, and in item 24 show the beginning interval or intervals, before, between, and (if any) the interval is covered in Item 23. Submit a separate report (year) on this form, adequately identifying, for each additional interval, to be separately prepared, showing the all pertinent to such interval.

Item 29: "Effects (impact). Attach additional supplemental records of this will should show the details of any multiple stamp recording and the position of the remaining land.

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.)

[illegible]

Form O-272
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

THIS FORM IS PREPARED FOR
USE BY THE GEOLOGICAL SURVEY
FOR THE DEPARTMENT OF THE INTERIOR

Form O-272
Revised Edition, 1963
U.S. GEOLOGICAL SURVEY
WASHINGTON, D.C. 20508

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different formation. Use APPLICATION FOR PERMIT for such proposals.)

1. NAME OF OPERATOR
FLORIDA EXPLORATION COMPANY

2. ADDRESS OF OPERATOR
SUITE 900 VAUGHN BUILDING MIDLAND TEXAS 79701

3. LOCATION OF WELL (Show location clearly and in accordance with any State requirements. How deep is the well? At surface)

32101-221 & 330' FSL 2310 W

4. PERMIT NO. 3851' GL

5. DEPTH (Show whether 00, 01, 02, 03)

6. UNIT STATEMENT NAME

7. FARM OR TRACT NAME
INEXCO FEDERAL

8. WELL NO.

9. FIELD AND ZONE OR WELLS AT

WILDCAT

10. SEC. 18, T26S, R35E

11. COUNTY OR PARISH 12. STATE
EDDY NM

13. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER DRILLING	PLUG OR ALTER CASING	WATER DRILLING	REPAIRING WELL
PROFITABLE TEST	MULTIPLE COMPLETION	PROFITABLE TEST	ALTERING CASING
SHUT IN AT INLET	ABANDON	SHUT IN AT INLET	ABANDONMENT
REPAIR WELL	CHANGE PLANS	REPAIR	COMPLETION
(Others)		(Others)	

14. Describe operations in this section. (Indicate all pertinent details and give pertinent dates, including estimated date of starting and proposed work. If well is directionally drilled, give subsurface bearings and measured and true vertical depths for all markers and some points pertinent to this work.)

2-2-82 Perforate 4 spf @ 8630-37, 8620-24'. Acidize w/2000 gal MS acid. Sub & test 6 days. Frac w/30,000 gal 32 MS gelled acid, 30,000# 20-40 sd, 4500# Bauxite & 65 tons CO₂. Sub & test.

2-19-82 Acidize w/4000 gal 15% dolowash, 1000 SCF_N/bbl. Sub & test.

3-03-82 Set CUB @ 8595'. Perf 4 spf (1/8490-8526'). Acidize w/3000 gal 7% MS acid, sub & test.

3-17-82 Sqz perf w/150 rx cem. Perf 4 spf (1/8104-8601).

3-25-82 Acidize w/2500 gal 7 1/2% MS acid & 100 ball sealers.

3-31-82 Sqz perf w/150 rx "H" cem, perf 1 spf @ 5287-5398'. Acidize w/1500 gal 15% MS acid.

4-09-82 Perf 1 spf (1/4933-5046').

4-14-82 Set ret @ 4793' & sqz perf w/150 rx "H" cem. Perf 10' cem on top.

4-15-82 Perf 1 spf @ 4632-4708'. Frac w/15,000 gal Apollo 40 + CO₂, 40,000# 20-40 sd, 1000 gal Spearhead acid. Sub & test. SI.

5-08-82 THRU

6-04-82 SI for press build up. Now testing w/intermitter.

RECEIVED
JUL 30 1982

OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

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

SIGNED: [Signature]
ACCEPTED FOR RECORD
(This space for Federal or State office use)
APPROVED BY: [Signature]
CONDITION OF APPROVAL: OCT 15 1982

TITLE: SR TA ENGINEERING

DATE: JULY 30, 1982

DATE:

U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

See Instructions on Reverse Side



15-26-25

**REPORT
of
SUB-SURFACE
DIRECTIONAL
SURVEY**

FLORIDA EXPLORATION COMPANY
COMPANY

INEXCO FEDERAL #1
WELL NAME

DECO COUNTY, NEW MEXICO
LOCATION

JOB NUMBER
WT1081-S0051

TYPE OF SURVEY
MAGNETIC MULTI SHOT

DATE
Oct. 14, 1981

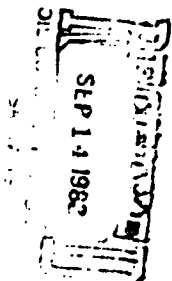
SURVEY BY
TROY ONEY

OFFICE
WEST TEXAS DISTRICT

FLORIDA EXPLORATION COMPANY
MEXICO FEDERAL WELL NO. 1 801-225
EDDY COUNTY NEW MEXICO
OCTOBER 14, 1981
EASTMAN WHIPSTOCK, INC
MAGNETIC MULTI SHOT SURVEY WT1081-S0051
SURVEYOR: TROY ONEY (1248-7306)

RECORD OF SURVEY

RADIUS OF CURVATURE METHOD



Form C-102
Superseded C-100
Effective 1-1-64

All distances must be from the outer boundaries of the Section.

FLORIDA EXPLORATION COMPANY			INEXCO FEDERAL		
Well Number	Section	Township	Range	County	State
0	18	26 South	25 East	Hidalgo	Texas

Actual Surface Location of Well: 130 Top of the South Line 130 2410 Top of the West

Nearest Road: Producing Formation Depth Nearest Well

1951.0

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communication, unitization, force pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated (if so reverse side of this form if necessary) _____

No allowable will be assigned to the well until all interests have been consolidated (by communication, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

SEP 1 1962

SEP 1 1962

OIL

SANJA

674

STATE OF NEW MEXICO

ENGINEER'S LICENSE

FINAL STATION:
 DEPTH 7306 MD 7301.36 TVD
 NORTH 39.71 WEST 132.85
 CLOSURE 138.66 N 73 21 W

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

 Date

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

 Date



P O Box 5577 Midland, Texas 79701 / (915) 563-0511
TWX 910-881-5066 Cable FASTCO

SURVEY CERTIFICATION SHEET

STATE OF TEXAS
COUNTY OF MIDLAND

SEP 14 1982
OIL CONS.

I, TROY ONLY, in the employ of Eastman Whipstock, Inc., did on the days of 10-13, 19 81 thru 10-14, 19 81 conduct or supervise the taking of a MAGNETIC MULTI SHT survey by the method of magnetic orientation from a depth of 1248 feet to 7306 feet, with recordings of inclination and direction being obtained at approximate intervals of 92 feet.

This survey was conducted at the request of FLORIDA EXPLORATION CO. for their INEXCO FEDERAL #1, EDDY County, State of NEW MEXICO, in the field.

The data for this survey and the calculations were obtained and performed by me according to standards and procedures as set forth by Eastman Whipstock, Inc. and is true and correct to the best of my knowledge.

Troy Only
Directional Supervisor/Surveyor

The data for this survey has been examined by me and conforms to principles and procedures set forth by Eastman Whipstock, Inc.

Veronica J. [Signature]

Before me, the undersigned authority, on this day personally appeared TROY ONLY, known to me to be the person whose name is subscribed to this instrument, who after being by me duly sworn on oath, states that he has knowledge of all the facts stated above and that this instrument is a true statement of facts therein recited.

Subscribed and sworn to before me on this 10TH day of June, 19 82

[Signature]
Notary Public in and for the County of
Midland, Texas
My commission expires 7/9/85

Form G-311
May 1966

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE
(Other instructions on form G-311)

Form approved
Rudger Bureau No. 62 8144
(Leave blank space for date and name)

12848

It is hereby approved on this date

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 "APPLICATION FOR PERMIT" for such proposals)

1. TYPE OF WELL
OIL ☐ GAS ☐ OTHER ☒

2. NAME OF OPERATOR
Florida Exploration Company

3. ADDRESS OF OPERATOR
Suite 900 Vaughn Bldg., Midland, TX 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 11 below.)
At surface

3210' FWL, 330' FSL
A-1-C

14. PERMIT NO.

15. DEVIATIONS (Show whether by, or, or, or)

1851' GL

1. UNIT SURVEY NAME

2. NAME OF EACH NAME
Inexco Federal

WELL NO.

10. FIELD AND TIME, OR WILD CAT

Wildcat

11. SEC., T., R., S., OR BLM. AND
SHEET OR AREA

Sec 16, T26S, R25E

12. COUNTY OR PARISH, STATE

Eddy

NM

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT OFF

FILE OR ALTER Casing

PROTECTIVE TREATMENT

WATERFLOO CEMENT

SHUT IN ACID

GRANING

REPAIR WELL

CHANGE PLANS

OTHER:

BY SUBSEQUENT REPORT OF:

WATER SHUT OFF

REPAIRING WELL

PROTECTIVE TREATMENT

ALTERING Casing

SHUT IN OR ACID

ABANDONMENT

(Check) Csg & cementing

(Note: Report results of multiple completion on Well
Completion or Recumpletion Report and Log form)

17. DESCRIBE COMPLETION OR COMPLETION 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 location and measured and true vertical depths for all markers and some perti-
nent to this work.)

Spudded a 11" hole 9-16-81. Set 8 5/8" 24# J-5" casing at 1239' and cemented with
200 sacks Trixalite with 1/2# celloseal, 500 sacks Pacosetter lite with 6# salt
and 1/2# celloseal/sack and 150 sacks Class "C" with 22 CACL. Circulated 150 sacks
Cement. 18 hours WOC. Tested casing to 3000' - OK. Drilled a 7 7/8" hole to 8650'
and set 5 1/2" 17# and 15.50# N-80 & K-55 casing. Cemented with 1600 sacks
Class "H" and 1.25" PF-9 and .2 KCL. 1/4#/sack floccle, 1#/sack permaseal.
WOC 24 hours. Tested casing to 2000' - OK.
Box log indicates TOC @ 1900'.
Released rig 7AM 11-5-81

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

SIGNED: **W. A. CHAPMAN**
(This space for Federal or State office use)

APPROVED BY **NOV 16 1981**
CONDITION OF APPROVAL, IF ANY:

U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

TITLE **Engineer**

DATE **11-5-81**

TITLE

DATE

*See Instructions on Reverse Side

REPROD. COPY
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SHOOT IN TRIPLICATE
(Other instructions on
reverse side)

Form approved
Budget Bureau No. 12

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

2. TYPE OF WELL
OIL ☐ GAS ☒ OTHER ☐ OTHER ☐ OTHER ☐

3. NAME OF OPERATOR
Florida Exploration Company

4. ADDRESS OF OPERATOR
Suite 900 Vaughn Bldg Midland, TX 79701

5. LOCATION OF WELL (Report location clearly and to accordance with any State requirements.)
At surface 2310' FWL, 130' ESL

At proposed prod. zone

6. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
10 miles SW of White City

7. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLYING FOR THIS LEASE, ETC.
330

8. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLYING FOR THIS LEASE, ETC.
320.81

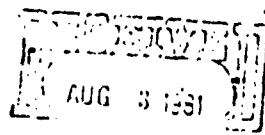
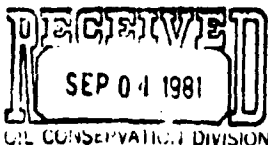
9. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLYING FOR THIS LEASE, ETC.
8700'

10. ELEVATION (Show whether DP, RT, GR, etc.)
3851' GL

11. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#	1200'	800 Sx
7 1/8"	5 1/2"	15.5-17#	8700'	700 Sx

BOP's: See Attachment



GAS SALES NOT DEDICATED.

In above space describe proposed program: If proposal is to deepen or plug back, give data on present production zone and proposed new production zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout prevention program, if any.

SIGNED *[Signature]* TITLE Division Engineer DATE 7-31-81

(This space for proposed well name)

PROPOSED WELL NAME (Use 34) RETURN TO BUREAU

APPROVED BY
AUG 1 1981
JAMES A. GRIHAM
DISTRICT SUPERVISOR

*See Instructions On Reverse Side

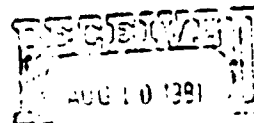
12. CERTIFICATION:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Florida Exploration Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

DATE

July 8, 1981

Al E. Jones



U.S. GEOLOGICAL SURVEY
FLEXIBLE TECHNOLOGY

Rev C. 0;
Supervisor C. 0;
L. H. H. 0. 0.

All distances must be from the outer boundaries of the section

1 Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

2 If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty)

3 If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling etc?

☐ Yes ☒ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

[Signature]

Name

Division Engineer

Title

Florida Exploration Company

City, St.

7-31-81

Date

I hereby certify that the wall location shown on this plot was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.

[Signature]

JOHN A. BERRY
PAUSE & BOND
APR 1 1968

Petroleum Information

Client: **EDDY** Wildcat State: **NH**
 Operator: **FLORIDA EXPLORATION CO.** No: **30-015-23905**
 Well: **1 Inenco Federal** Well
 Sec: **18, T26S, R25E** (DGRD)
 330 FSL, 2310 FWL of Sec 7-4-24 NM
 10 mi SW/White City No: **9-18-81** Exp: **6-18-82**

Log:
 8 5/8-1239-850 sx
 5 1/2-8650-1600 sx
 2 3/8-4554

WELL CLASS. WRT WT FWLSD LSE CODE			
FORMATION	DATE	PERMITS	DATE

ID: **8650 (STRN)** Exp: **4783**

IP (Bone Spring) Perfs 4632-4708 F 250 MC.FGPD. Pot
 based on 24 hr test thru 24/64 chk. GOR Dry; gty (Gas)
 (NR); CP 300; TP 145

Comp: **Parker #16** Operator: **1851 G.I.** Sub: **a 19**

F.R. 8-17-81
 PD 8700 RT (Bone Spring)
 AMEND ZONE: Formerly (Morrow)
 7-23-81 Drlg 1240
 9-21-81 Drlg 5154
 9-29-81 Drlg 6190
 10-5-81 Drlg 7377
 10-17-81 Drlg 7780
 10-20-81 Drlg 8322
 10-26-81 TD 8650; WOC
 11-3-81 Act DST, pkr failed
 11-9-81 TD 8650; WOC
 2-2-82 TD 8650; Prep Acid
 Perf (Strawn) 8620-24, 8630-37 w/4 SPF
 2-10-82 TD 8650; Test

7-4-24 NM

EDDY
FLORIDA EXPLORATION CO.

Wildcat
1 Inenco Federal
Sec 18, T26S, R25E

NM

Page 1

2-10-82 Continued
Acid (8620-37) 2000 galn
Frm: (8620-37) 30,000 galn
gel wtr + 65 tons CO₂ + 30,000 ad
2-23-82 TD 8650; Subg
Subd wtr w/GSC (8620-37)
3-2-82 TD 8650; Rng CIBP
3-9-82 TD 8650; PBD 8600; Subg
CIBP @ 8600
Perf (Scravn) 8490-98, 8506-11, 8524-26 w/4 SPF
Acid (8490-8526) 3000 galn
3-23-82 TD 8650; PBD 8600; Tatg
FARO 200 MCPCPD (8490-8526)

7-4-24 NM

3-30-82 TD 8650; PBD 8600; Tatg
Perf (Scravn) 8354-66 w/4 SPF
Acid (8354-66) 2500 galn
Subd AW w/SG (8354-66)
4-1-82 TD 8650; PBD 8297; Prep Perf
Ret P 8297
Sqzd (8354-8526)
4-6-82 TD 8650; PBD 8297; Tatg
Perf (Bone Spring) 5287-5306, 5311-38,
5394-98 w/1 SPF
Acid (5287-5398) 1500 galn
Flwd 18 RIW (5287-5398)
4-13-82 TD 8650; PBD 8297; Prep Sqz

7-4-24 NM

EDDY Wildcat
FLORIDA EXPLORATION CO. 1 Inexco Federal
Sec 18, T26S, R25E

NY
Page #3

4-13-82 Continued
Perf (Bone Spring) 4852-54, 5040-46 w/1 SP
Swbd wtr w/MS (4842-5046)
4-20-82 TD 8650; PBD 4783; Flwg
Ret # 47P
Lqsd (4842-5398)
Perf (Bone Spring) 4632-4708 w/1 SPF
Acid (4632-4708) 1500 gals
Swbd 15 BW + 250
MCFOPD (4632-4708)
4-27-82 TD 8650; PBD 4783; Tstg
Acid (4632-4708) 1000 gals
Frac (4632-4708) 15,000 gals + 40,000 gal
7-4-24 NM

4-27-82 Continued
FARO 400 MCFOPD thru 16/64 chh, TP 400-100
(4632-4708)
5-4-82 TD 8650; PBD 4783; ST
5-10-82 TD 8650; PBD 4783; ST
7-16-82 TD 8650; PBD 4783; Flwg
FARO 150 MCFOPD + 5 BWPH thru 1/4 chh,
TP 150 (4632-4708)
8-5-82 TD 8650; PBD 4783; Flwg
Flwd 15 BW + out 500
MCFOPD thru 16/64 chh,
TP 800 (4632-4708)
8-11-82 TD 8650; PBD 4783; ST
10-15-82 TD 8650; PBD 4783; WMO
7-4-24 NM

EDDY

FLORIDA EXPLORATION CO.

Wildcat
1 Inexco Federal
Sec 18, T26N, R25E

NH
Page #4

7-18-81

TD 8650; FBD 4783; Complete
Bone Spring Discovery
LOR: TOPS: Bone Spring 4411, Wolfcamp 6810.
Strawn 7215

7-23-81

LOGS RUN: CBND, DILL, CDD, MSMC, TML, CNI, FDC
COMPLETION ISSUED

7-4-74 NH

IC 30-015-70174-81

✓
EDDY COUNTY S E NEW MEXICO *UNNAMED FIELD
Well FLORIDA EXPL 1 Inexco Federal Result: GAS WSD
Loc'n 10 mi SW/White City; se sw Sec 18, T26S, R25E Sur; 330 FSL,
2310 FWL of Sec

Spud: 9-16-81; Comp: 6-18-82; Elev: *3871 KB; TD: 8650 STRN;
PB: 4783

Casing: 8 5/8-1239-850 ex; 5 1/2-8650-1600 ex; 2 3/8-4554

Prod Zone: (Bone Spring) Prod thru Perfs 4632-4708

IPF: 250 MCF/CPD; 24/64 chk; GOR Dry; Cty (Gas)(NR); FTP 145,
FCP 300

Comp Info: No Cores, 1 DST; RAN: CBND, CDD, CNL, DILL, FDC,
MSFG, TMPL; DST: (Morrow) 8238-8510, (Mierun); Perf
(Strawn) w/4 PF 8620-8624, 8630-8637; A/2000 gals; SGFA/
30,000 gals + 30,000# sd; S/WTR W/GSG in 24 hrs; (Strawn)
w/4 PF 8490-8498, 8506-8511, 8524-8526; A/3000 gals;
P/200 MCFD, 24 hr; (Strawn) w/4 PF 8354-8366; A/2500 gals;
S/AW W/G in 24 hrs; Sqzd; (Bone Spring) w/1 PF 5287-
5306, 5331-5306, 5331-5338, 5394-5398; A/1500 gals; F/18
(Cont'd on Card #26-A)



Petroleum Information

Date 10-01-86 Card No. 26

2
EDDY COUNTY S E NEW MEXICO *UNNAMED FIELD

Well FLORIDA EXPL 1 Inexco Federal Result: GAS WSD
Loc'n 10 mi SW/White City; se sw Sec 18, T26S, R25E Sur; 330 FSL,
2310 FWL of Sec

(Cont'd from Card #26)

Comp Info: BLW in 24 hrs; (Bone Spring) w/1 PF 4852-4854,
5040-5046; S/WTR W/NS in 24 hrs; Sqzd; (Bone Spring)
w/1 4632-4708; A/1500 gals; S/250 MCFD + 15 BW, 24 hr;
A/1000 gals; SGFR/15,000 gals + 40,000# sd; F/400 MCFD;
16/64 chk, 24 hr; FARG/150 MCF/CPD + 5 BWPH thru 3/4 chk
in 24 hrs; TP 150; F/15 BW + EST 500 MCF/CPD thru 16/64
chk in 24 hrs; TP 800; C/Parker

TOPS: Bone Spring 4411, Wolfcamp 6810, Strawn 7235

API No: 30-015-23905

*Re-Issued to denote changes and additions;
Formerly: Wildcat.



Petroleum Information

Date 10-01-86 Card No. 26-A

EDDY COUNTY NEW MEXICO WILDCAT
Well FLORIDA EXPLORATION CO, 1 Inexco Federal Result: GAS WSD
Loc n 10 mi SW/White City; 330' FSL, 2310' FWL Sec 18-26S-25E

Spud: 9-16-81; Comp: 6-18-82; Elev: 3851' Grd; TD: 8650' Strn; PB: 4783'
Casing: 8-5/8" 1239'/850 sx; 5 1/2" 8650'/1600 sx; 2-3/8" 4554'
Prod Zone: (Bone Sprg) Prod thru Perfs 4632-4708'
IPF: 250 MCFGPD 24/64" ch, Dry, CP 300#, TP 145#
Comp Info: ran CBND, DILL, CDD, MSMG, TMPL, CNL, FDC logs; Perf
(Strawn) 8620-24, 8630-37' /4 SPF, A/2000 gals; frac 30,000
gals gel wtr & 65 tons CO 2+ 30,000# sd; S/wtr w/GSG; CIBP
@ 8600'; Perf (Strawn) 8490-98, 8506-11, 8524-26' /4 SPF, A/
3000 gals; FARO 200 MCFGPD; Perf (Strawn) 8354-66' /4 SPF, A/
2500 gals, ret @ 8297'; sqzd; Perf (Bone Sprg) 5287-5306,
5331-38, 5394-98' /1 SPF, A/1500 gals; F/18 BLW; Perf (Bone
Sprg) 4852-54, 5040-46' /1 SPF, swbd wtr w/NS; ret @ 4783'
sqzd; Perf (Bone Sprg) 4632-4708' /1 SPF, A/1500 gals; S/15 BW
& 250 MCFGPD; A/1000 gals, frac 15,000 gals & 40,000# sd;
FARO 400 MCFGPD 16/64" ch, TP 400-100#



Petroleum Information® Cont'd on card 24-A

CORPORATION
A Subsidiary of A.C. Nielsen Company

Date: 7-27-83 Card No: 24 dh

EDDY COUNTY NEW MEXICO WILDCAT
Well FLORIDA EXPLORATION CO, 1 Inexco Federal Result: GAS WSD
Loc n 10 mi SW/White City; 330' FSL, 2310' FWL Sec 18-26S-25E

Cont'd from card 24:

Comp Info: FARO 150 MCFGPD + 5 BWPH 3/4" ch, TP 150#, F/
15 BW & est 500 MCFGPD 16/64" ch, C/Parker #16
Tops EL: Bone Spring 4411', Wolfcamp 6810', Strawn 7235'
API No: 30-015-23905



Petroleum Information®
CORPORATION
A Subsidiary of A.C. Nielsen Company

Date 7-27-83 Card No 24-A dh

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN DUPLICATION
(See other instructions on reverse side)Form approved.
Budget Bureau No. 42-R355.6

5. LEASE DESIGNATION AND SERIAL NO

NM - 2207

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
WASHINGTON RANCH GAS
STORAGE PROJECT

9. WELL NO.

10

10. FIELD AND POOL, OR WILDCAT

WASHINGTON RANCH/GAS I

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

Sec 34, T-25-S, R-24-E

12. COUNTY OR

PARISH

EDDY

13. STATE

NEW MEXICO

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other GAS STORAGE

2. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other

3. NAME OF OPERATOR

EL PASO NATURAL GAS COMPANY

4. ADDRESS OF OPERATOR

1800 WILCO BUILDING - MIDLAND, TEXAS 79701

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 2209' FEL & 935' FNL

At top prod. interval reported below

At total depth

OIL CON. 34. PERMIT NO. DIVISION DATE ISSUED
SANTA FE

15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, RER, RT, GR, ETC.)* 19. ELEV. CASINGHEAD

12-6-81 12-27-82 1-21-82 3708 KB 3696'

20. TOTAL DEPTH, MD & TVD 21. PLUG BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS

6982' 6928' X

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

6757' - 6825' Morrow Clastics

25. TYPE ELECTRIC AND OTHER LOGS RUN

Comp Neutron/Form Density, BHC, DIL, CBL

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8	32.30	819'	12 1/4	700 sxs Class "C"	None
7	23.00	6965'	8 3/4	450 sxs Class "H"	

27. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8	6807'	-

28. PERFORATION RECORD (Interval, size and number)

6757'-6825' 4 SPF

29. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED

None

30. PRODUCTION

DATE FIRST PRODUCTION N/A PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing or shut-in) Shut in

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
1-22-82	24 hr.	32/64"	→	-	1,211	-	-
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL CRAWL-AT (CORR.)	
178 psi	227 psi	→	-	1,211	-	ACCEPTED FOR RECORD	

31. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

EPNG Pipeline

32. LIST OF ATTACHMENTS

33. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

John P. Deek

TITLE Supervisor Production Services

TEST WITNESSED BY
JUL 21 1982
U.S. GEOLOGICAL SURVEY
ROSWEIL, NEW MEXICO
6-28-82

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

El Paso EXPLORATION
COMPANY

1800 WILCO BUILDING
MIDLAND, TEXAS 79701

PHONE: 915-684-5701

RECEIVED

WASHINGTON RANCH STORAGE PROJECT NO. 10

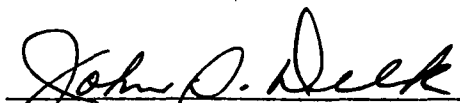
JUL 12 1982

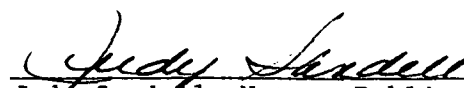
Sec. 34, T-25-S, R-24-E
Eddy County, New Mexico

O. C. D.
ARTESIA OFFICE

<u>DEPTH</u>	<u>HOLE SIZE</u>	<u>DEVIATION-DEGREES</u>
916	8 3/4"	1
1,436	8 3/4"	1/4
1,936	8 3/4"	1/2
2,936	8 3/4"	1/2
3,450	8 3/4"	3/4
3,969	8 3/4"	1 1/4
4,469	8 3/4"	1
4,966	8 3/4"	2
5,498	8 3/4"	2 1/2
6,049	8 3/4"	2
6,776	8 3/4"	4
6,982	8 3/4"	2

SWORN TO and SUBSCRIBED before me by John S. Delk on this the 11th
Day of June, 1982.


John S. Delk


Judy Sandell, Notary Public
State of Texas

My commission expires June 29, 1984

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Drawer DD
Artesia, NM 88210

LEASE

NM-22207

RECEIVED

FEB 24 1982

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 ☐ Storage

2. NAME OF OPERATOR
El Paso Natural Gas Co.

3. ADDRESS OF OPERATOR
1800 Wilco Bldg; Midland, Texas 79701

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2209' FEL & 935' FNL
AT TOP PROD. INTERVAL:
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 type="checkbox"/>
(other)	Perforate & rn tbg.	

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Washington Ranch, Gas Storage Project WI Fed.

9. WELL NO.

WI Federal #10

10. FIELD OR WILDCAT NAME

Washington Ranch Morrow Gas

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

Sec 34, T-25-S, R-24-E

12. COUNTY OR PARISH

Eddy

13. STATE

NM

14. API NO.

NA

15. ELEVATIONS (SHOW DF, KDB, AND WD)

GR 3696

(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.)*

On 1-19-82, RU McCullough and perforated 6757-6765, 6766-6771, 6777-6799, 6800-6806, 6816-6825, 4 spf, .5" holes (220 holes). Ran 2 7/8", 6.5#, J-55 tubing set @ 6866.89'. Waiting on completion.

Project approved by NMOCD Order No. R-6175-A

Subsurface Safety Valve: Manu. and Type

SANTA FE

Set @ _____ Ft.

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

SIGNED John D. Deek TITLE Supv. Prod. Svc. DATE 2-9-82

APPROVED BY
BOOKER A. CHAPMAN
CONDITIONS OF APPROVAL, IF ANY:

FEB 16 1982

U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

(This space for Federal or State office use)

TITLE

DATE

*See Instructions on Reverse Side

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 ☐ gas ☒ other ☐ Storage ☐ *O.C.D.*

2. NAME OF OPERATOR
El Paso Natural Gas Co.

3. ADDRESS OF OPERATOR
1800 Wilco Bldg; Midland, Texas 79701

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2209' FEL & 935' FNL
AT TOP PROD. INTERVAL:
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 type="checkbox"/>
(other) <u>Spud & Drlg Operations</u>		

5. LEASE
NM 22207

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Washington Ranch Storage Ranch

9. WELL NO.
WI Federal #10

10. FIELD OR WILDCAT NAME
Washington Ranch

11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA
Sec 34, T-25-S, R-24-E

12. COUNTY OR PARISH
Eddy

13. STATE
NM

14. API NO.
NA

15. ELEVATIONS (SHOW DF, KDB, AND WD)
GR 3696'

(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.)*

On 12/6/81 spudded 12 1/4" hole. Young Drilling Co. (Rig #4). Drilled to 831' and rn 9 5/8", 36#, K-55 casing set @ 819'30". Cemented w/600 sx Class "C" cement and circulated 25 bbls cement to surface. Cemented backside w/100 sx Thix-Set w/2% CaCl₂ and 1/2# Flo-seal. JC @ 4:30 AM, 12-8-81. WOC 16 1/2 hrs and tested casing to 800 psi. Test OK. Reduced hole to 8 3/4" and drilled to 6982'. Rn 7", N-80, 23# csg, set @ 6965'. Cemented w/450 sx Class "H". Plug dwn @ 3:30 AM, 12-28-81. Top of cement @ 4,400'. Released rig @ 2 PM, 12-28-81. Waiting on completion.

Subsurface Safety Valve: Manu. and Type

Set @ Ft.

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

SIGNED John D. Deek TITLE Supv. Prod. SVC. DATE 1/12/82

ACCEPTED FOR RECORD (This space for Federal or State office use)

APPROVED BY PETER W. CHESTER TITLE CHESTER DATE MAR 29 1984

CONDITIONS OF APPROVAL, IF ANY

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form O-107
Supersedes O-128
Effective 1-4-85

All distances must be from the outer boundaries of the Section.

Operator El Paso Natural Gas Co.			Lease Washington Ranch Storage Project		Well No. #10
Unit Letter B	Section 34	Township 25-S	Range 24-E	County Eddy County, New Mexico	
Actual Footage Location of Well: <div style="display: flex; justify-content: space-between;"> 2209 feet from the East line and 935 feet from the North line </div>					
Ground Level Elev. 3696 Ft.	Producing Formation Morrow	Pool Washington Ranch-Morrow Pool		Dedicated Acreage: NA	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below. **NA**
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). **NA**
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc? **NA**

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

Project approved by NMOCD
Order No. R-6175-A

935'
WI #10
2209'

SECTION 35

RECEIVED
JUL 09 1981
OIL CONSERVATION DIVISION
SANTA FE

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

G. D. Mickey

Name
G. D. Mickey

Position
Drilling Engineer

Company
El Paso Natural Gas Co.

Date
May 20, 1981

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
4-25-81

Registered Professional Engineer and/or Land Surveyor
E. J. Montiel

Certificate No.
LS #1317

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

N.M.O.C.D. COPY

SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)Form approved.
Budget Bureau No. 42-R1425.UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-015-23 857

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 Storage

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

El Paso Natural Gas Company

3. ADDRESS OF OPERATOR

1800 Wilco Bldg - Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) 1981

At surface

2209' FEL, 935' FNL, Sec. 34

At proposed prod. zone

Same

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

6 miles SW Whites City, New Mexico

10. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

NA

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

NA

16. NO. OF ACRES IN LEASE

NA

19. PROPOSED DEPTH

+ 7,050'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

NA

20. ROTARY OR CABLE TOOLS

Rotary

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

3696' GR

22. APPROX. DATE WORK WILL START*

July 1, 1981

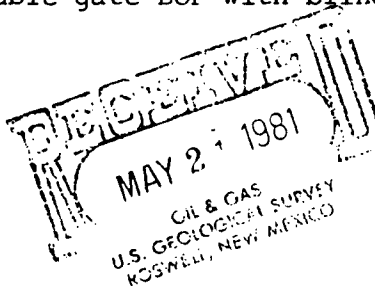
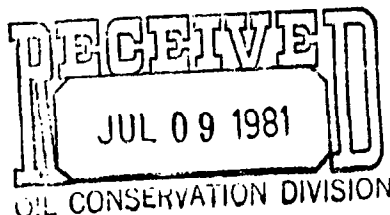
23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
16"	13 3/8" Cond	29.3 H-40	40'	30 cu. ft. CIRCULATE
12 1/4"	9 5/8"	32.3 H-40	800'	640 cu. ft. to circulate
8 1/2"	7"	23.0 H-80	7,050'	1341 cu. ft.

Project approved by NMOC Order No. R-6175-A.

Selectively perforate and treat the Morrow formation for gas storage.

A 3000 psi W.P. and 6000 psi test double gate BOP with blind and pipe rams
will be used for blowout prevention.

IN ABOVE SPACE DESCRIBE PROPOSED WORK. If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout prevention program, if any.

24.

SIGNED

APPROVED

TITLE

Drlg. Engr.

DATE

May 20, 1981

(This space for Federal or State office use)

GEORGE H. STEWART

PERMIT NO.

JUL - 1 1981

APPROVAL DATE

APPROVED BY

FOR

CONDITIONS OF APPROVAL, IF ANY

JAMES A. GILLHAM
DISTRICT SUPERVISOR

TITLE

DATE

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COUNTY	EDDY	FIELD	Washington Ranch	STATE	NM
OPR	EL PASO NATURAL GAS CO.	API	30-015-23857		
NO	10	LEASE	Washington Ranch Gas Storage Project	MAP	
	Sec 34, T25S, R24E		/"WI" Federal	CO-ORD	
	935 FNL, 2209 FEL of Sec				8-2-42 NM
	10 mi SW/White City	SPD	12-6-81	CMP	1-22-82

CSC 9 5/8-819-700 SX 7-6965-450 SX 2 7/8-6807	WELL CLASS: INIT IW FINDG		LSE. CODE	
	FORMATION	DATUM	FORMATION	DATUM
	ID	6982(MRRW)	PBD	6928

IP(Morrow) Perfs 6757-6825 F 1211 MCFGPD. Pot based on 24 hr test thru 32/64 chk. GOR Dry; gty (Gas) (NR);CP 227; TP 178

P.L.C.: El Paso Natural Gas Co.

CONTR	Young #5	OPRSELEV	3696 GL, 3708 KB	sub-s	11
-------	----------	----------	------------------	-------	----

F.R. 6-8-81
PD 7050 RT (Morrow)

8-14-82 AMEND WELL NUMBER & ADD LEASE DESIGNATION:
Formerly WI-10

12-8-81 TD 820; NU BOP

12-15-81 TD 4782; Trip

12-28-81 TD 6982; ND BOP
Cores (NA)

1-5-82 TD 6982; WOCU

1-26-82 TD 6982; PBD 6928; SI
Perf (Morrow) 6757-71, 6777-6806, 6816-25
w/4 SPF
Natural

8-9-82 TD 6982; PBD 6928; Complete
LOG TOPS: Delaware Sand 866, Cherry Canyon
1468, Bone Spring 3582, Wolfcamp 5580, Strawn
5752, Atoka 5924, Morrow Lime 6464, Morrow
Clastics 6596

8-2-42 NM

EDDY
EL PASO NATURAL GAS
CO.

Washington Ranch
10 Washington Ranch Gas
Storage Project "WI"
Federal
Sec 34, T25S, R24E

NM
Page #2

8-9-82

Continued

LOGS RUN: CNL, FDC, BHC, DI, CBND

Will be used as Gas Storage Well

8-14-82

COMPLETION ISSUED

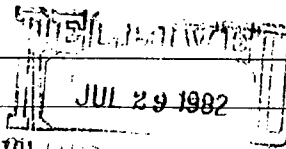
8-2-42 NM

IC 30-015-70257-81

NO. COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	<input checked="" type="checkbox"/>
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL GAS
OPERATOR	
PRORATION OFFICE	

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and
Effective 1-1-65



RECEIVED

JUL 12 1982

Operator: EL PASO NATURAL GAS COMPANY ✓
Address: 1800 WILCO BUILDING - MIDLAND, TEXAS 79701 CONS. O. C. D.
Reason(s) for filing (Check proper box)
New Well ☒ Change in Transporter of: Oil ☐ Dry Gas ☐
Recompletion ☐ Casinghead Gas ☐ Condensate ☐
Change in Ownership ☐ GAS STORAGE WELL

If change of ownership give name
and address of previous owner _____

II. DESCRIPTION OF WELL AND LEASE

Lease Name WASHINGTON RANCH GAS STORAGE PROJECT	Well No. 10	Pool Name, Including Formation WASHINGTON RANCH/GAS POOL MORROW	Kind of Lease State, Federal or Fee FEDERAL
Location Unit Letter B ; 2209 Feet From The East Line and 935' Feet From The North Line of Section 34 , Township 25-S Range 24-E , NMPM, EDDY Coun.			

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
EL PASO NATURAL GAS COMPANY	ATTN: PRODUCTION CONTROL P. O. BOX 1492, EL PASO, TEXAS 79788
If well produces oil or liquids, give location of tanks.	Is gas actually connected? When
	No

If this production is commingled with that from any other lease or pool, give commingling order number: _____

IV. COMPLETION DATA

Designate Type of Completion - (X)		Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'ty.	Diff. Re
			X	X					
Date Spudded 12-6-81	Date Compl. Ready to Prod. 1-21-82	Total Depth 6982'		P.B.T.D. 6982'					
Pool WASHINGTON RANCH/GAS POOL MORROW	Name of Producing Formation MORROW	Top Oil/Gas Pay 6757'		Tubing Depth 6807'					
Performances 6757'-6825'				Depth Casing Shoe 6965'					
TUBING, CASING, AND CEMENTING RECORD									
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT				
12 1/4	9 5/8		819'		700 sxs Class "C"				
8 3/4	7		6965'		450 sxs Class "H"				
6 1/8	2 7/8		6807'						

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D 1,211	Length of Test 24 hrs	Bbls. Condensate/MMCF -	Gravity of Condensate -
Testing Method (flow, back pressure) Back Pressure	Tubing Pressure 178 psi	Casing Pressure 227 psi	Choke Size 32/64"

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

John P. Deek
(Signature)

Supervisor Production Services

6-29-82
(Date)

OIL CONSERVATION COMMISSION

APPROVED **JUL 28 1982**

BY *W. A. Gussitt*
TITLE **SUPERVISOR, DISTRICT II**

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviated tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for all wells on new and recompleted wells.

Fill out Sections I, II, III, and VI only for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multi-completed wells.

SEP 13 1984 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.)

ARTESIA, OFFSHORE well ☒ gas well ☐ other ☒ Gas Storage

2. NAME OF OPERATOR

El Paso Natural Gas Co. ✓

3. ADDRESS OF OPERATOR

1800 Wilco Bldg, Midland, Tx 79701

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 2209' FEL & 935' FNL

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

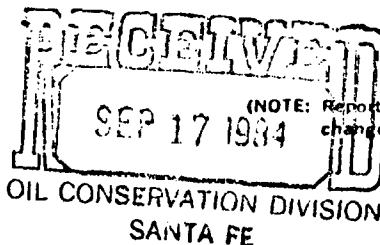
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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:

☐
☐
☒
☐
☐
☐
☐



5. LEASE

NM-22207

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Washington Ranch Storage Project

9. WELL NO.

10

10. FIELD OR WILDCAT NAME

Washington Ranch Morrow

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

Sec. 34, T-25-S, R-24-E

12. COUNTY OR PARISH

Eddy

13. STATE

NM

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
GR 3696'

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.)*

4-23/5-3/1984

- 1.) MIRU workover unit, retrieve bridge plug.
- 2.) Rig up wireline unit and set Baker Model FA-1 permanent packer at 6638' WLM, with blanking plug below packer.
- 3.) Run 4½" 11.6# K-55 tubing with Baker K-22 latch in seal assembly, circulate inhibited packer fluid, latch into packer.
- 4.) Nipple down BOP, Nipple up wellhead.
- 5.) Test tubing to 3000 psig, retrieve plug and return well to service.

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

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

SIGNED

Sam Myers

TITLE Area Prod. Eng

DATE

9-10-84

ACCEPTED FOR RECORD (This space for Federal or State office use)

APPROVED BY

[Signature]

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

SEP 12 1984

Barb Q. NEW MEXICO

*See Instructions on Reverse Side

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

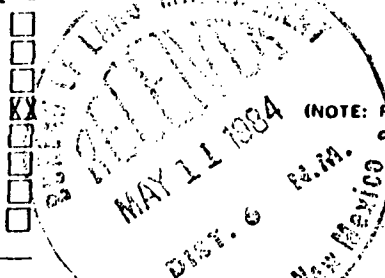
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☒ other Storage
2. NAME OF OPERATOR
El Paso Natural Gas Co. ✓
3. ADDRESS OF OPERATOR
Box 1492 El Paso, Texas 79978
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2209' FEL & 935' FNL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

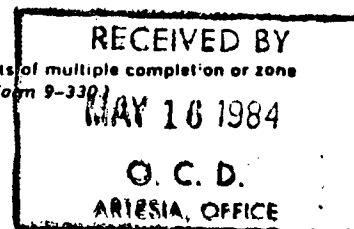
REQUEST FOR APPROVAL TO:
TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) _____

SUBSEQUENT REPORT OF:

- ☐
☐
☒
☐
☐
☐
☐
☐



5. LEASE
NM-22207
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Washington Ranch Storage Project
9. WELL NO.
10
10. FIELD OR WILDCAT NAME
Washington Ranch Morrow
11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 34, T-25-S, R-24-E
12. COUNTY OR PARISH
Eddy
13. STATE
N. Mex.
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)
GR 3696



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.)

4-2 to 4-9, 1984 - Pumped 11.5ppg salt water mud down 9 5/8" x 7" annulus and killed Delaware zone. Moved in and rigged up workover unit. Pulled 2 7/8" tubing and set RBP to isolate Morrow zone. Ran casing inspection logs to inspect 7" casing. Backed off 7" casing at 2308'. Found split collar at 1300'. Ran new 7" 23# N-80 casing with die nipple, screwed into existing 7" casing. Test 7" casing from 0-6009' to 1000 psi. Held O.K., test above and below 2308' to 3000 psi, held O.K. Ran 2 7/8" tubing to 5850' with retrieving tool. Shut well in. Moved workover unit. Waiting on 4 1/2" tubing and packer to complete operations.

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

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

SIGNED [Signature] Director, Reservoir 4-24-84
TITLE Engineering Dept. DATE

(This space for Federal or State office use)

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

MAY 14 1984

UNITED STATES OIL CONS. COMMISSION
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Drawer DD
Artesia NM 88210

Form Approved.
Budget Bureau No. 42-R1424

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 Storage

2. NAME OF OPERATOR

El Paso Natural Gas Co. ✓

3. ADDRESS OF OPERATOR

1800 Wilco Bldg. Midland, Texas 79701

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 2209' FEL & 935' FNL

AT TOP PROD. INTERVAL:

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 ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☒

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

CHANGE ZONES ☐

ABANDON* ☐

(other) ☐

5. LEASE

NM-22207

RECEIVED BY

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

APR 04 1984

7. UNIT AGREEMENT NAME

C. D.

8. FARM OR LEASE NAME

Washington Ranch Storage Project

9. WELL NO.

W.I. Federal No. 10

10. FIELD OR WILDCAT NAME

Washington Ranch

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

Sec. 34, T-25-S, R-24-E

12. COUNTY OR PARISH

Eddy

13. STATE

N. Mex.

14. API NO.

NA

15. ELEVATIONS (SHOW DF, KDB, AND WD)

GR 3696

(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.)*

4-2-84 - Pump mud down 9 5/8" x 7" annulus to kill Delaware Zone.

4-3-84 - Move in and rig up workover unit, nipple down wellhead and nipple up BOP, pull and lay down 2 7/8" tubing. Set RBP above morrow zone in 7" casing to isolate. Run casing inspection logs. Pressure test 7" casing below damaged zone. Pull damaged 7" casing. Replace 7" casing and test. Retrieve RBP, run new tubing and production packer, circulate packer fluid, nipple down BOP, nipple up wellhead and release unit.

Subsurface Safety Valve: Manu. and Type

Set @ Ft.

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

SIGNED

Peter W. Chester

TITLE Sr. Prod. Engr.

DATE 3-28-84

APPROVED

(This space for Federal or State office use)

APPROVED BY

(Orig. Sgd.)

PETER W. CHESTER

DATE

CONDITIONS OF APPROVAL, IF ANY:

APR 2 1984

The BLM & NMOC will monitor the repair operations. You may be requested to cement the 7" casing to the surface.
P.W.C.

*See Instructions on Reverse Side

Form 9-331
Dec. 1973

NM OIL CONS. COMMISSION
Drawer DD
Artesia, NM 88210

Form Approved.
Budget Bureau No. 425414

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 ☐ gas ☐ other ☒ Gas Storage Well

2. NAME OF OPERATOR

El Paso Natural Gas Co. /

3. ADDRESS OF OPERATOR

1800 Wilco Bldg.; Midland, Texas 79701

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 1980' FNL & 1980 FWL, Sec. 3

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

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 COMPLTE ☐

CHANGE ZONES ☐

ABANDON* ☐

(other) ☐

SUBSEQUENT REPORT OF:

JAN 29 1982

OIL & GAS
GEOLOGICAL SURVEY
DALLAS, NEW MEXICO

Project approved by NMOCB Order #R-6175-

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

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

1. MOL & RU PU. Remove wellhead and set BOP.
2. Unseat packer. Pull tubing and packer.
3. Run casing inspection log. Check PBTD.
4. Re-run tubing and blw well dry w/nitrogen.
5. Pull tubing. Re-perforate Morrow interval for total of 4 spf.
6. Redress packer. Re-run tubing and packer. Hydro test tubing in hole.
7. Set packer above Morrow perforation. Fill annulus with treated packer fluid. Remove BOP and nipple up wellhead. Return well to storage ser

Subsurface Safety Valve: Manu. and Type _____ BOP _____ Set @ _____ surface

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

SIGNED Frank P. DeMasi TITLE Project Engr. DATE 1-26-82

APPROVED (This space for Federal or State office use)

APPROVED (If any) PETER W. CHESTER TITLE _____ DATE _____
CONDITIONS OF APPROVAL IF ANY:

FEB 8 1982

FOR

NO. OF COPIES RECEIVED		4
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SANTA FE		1
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U.S.G.S.		
LAND OFFICE		
TRANSPORTER	OIL	
	GAS	1
OPERATOR		1
PRORATION OFFICE		

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and
Effective 1-1-65

RECEIVED
SEP 5 1972
OIL CONSERVATION COMM
Santa Fe

RECEIVED

APR 1 1972

I. Operator
Black River Corporation
Address
620 Commercial Bank Tower, Midland, Texas 79701
Reason(s) for filing (Check proper box)
New Well ☒ Change in Transporter of:
Recompletion ☐ Oil ☐ Dry Gas ☐
Change in Ownership ☐ Casinghead Gas ☐ Condensate ☐
Other (Please explain)

If change of ownership give name
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, including Formation	Kind of Lease	Lease No.
Cities 3 Federal Com	1-0	Washington Upper Morrow	State, Federal or Fee Federal	NM0525
Location				
Unit Letter	F	1980	Feet From The North	Line and 1980
Line of Section	3	Township	26S	Range 24E, NMPM, Eddy

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)	
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)	
El Paso Natural Gas Co.	Box 1492 El Paso, Texas	
If well produces oil or liquids, give location of tanks.	Unit	Sec. Twp. Rge.
		Is gas actually connected? When
		No Yes Soon 8-8-72

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Re.
		X	X					
Date Spudded	Date Compl. Ready to Prod.		Total Depth	P.B.T.D.				
3/11/72	4/7/72		7050	7012				
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay	Tubing Depth				
3743 RKB	Upper Morrow		6842	6865				
Perforations				Depth Casing Shoe				
6842-54 6913-31 6935-44				7048				
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET	SACKS CEMENT				
11	8-5/8		726	325				
7-7/8	5-1/2		7048	300				
	2 7/8"		6865	6865				

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top oil able for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

RECEIVE

APR 17 1972

U. S. GEOLOGICAL SURV
ARTESIA, NEW MEX

GAS WELL	Dedicated acreage = 407.2	NSP 882	TX-13
Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MCF	Gravity of Condensate
5027	1 hr.		
Tubing Pressure (gauge, back pr.)	Tubing Pressure (static-in)	Casing Pressure (static-in)	Choke Size
Back Press. thru tbgs.	2497	2539	30/64

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

J. D. Berry
(Signature)

Agent

(Title)

APPROVED

BY

TITLE

OIL AND GAS INSPECTOR

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepen well, this form must be accompanied by a tabulation of the deviate tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for all wells.

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-104
Revised 10-1-78

RECEIVED

Dec 14

1981

O. C. D.

ALBUQUERQUE, N.M.

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I. PRODUCTION OFFICE

Operator

El Paso Natural Gas Company

Address

Box 1492, El Paso, Texas 79978

Reason(s) for filing (Check proper box)

New Well ☐Recompletion ☐Change in Ownership ☒

Change in Transporter of:

Oil ☐Casinghead Gas ☐Dry Gas ☐Condensate ☐

Other (Please explain)

Change Lease Name and Well Number
From: Cities 3 Federal Com. No. 1

If change of ownership give name and address of previous owner Alpha Twenty-One Production Co, 2100 First Natl. Bk., Midland, Tx 79701

PROJECT APPROVED BY NMCD ORDER NO. R-6175-A

II. DESCRIPTION OF WELL AND LEASE

Lease Name Washington Ranch Storage Project WI	Well No. 4	Pool Name, including Formation Washington Ranch Morrow	Kind of Lease State, Federal or Fee Federal	Lease NM 05254
Location				
Unit Letter <u>F</u> : 1980 Feet From The <u>North</u> Line and 1980 Feet From The <u>West</u>				
Line of Section <u>3</u> Township <u>26</u> South Range <u>24</u> East, NMPM, Eddy Co.				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
<u>The Permian Corp</u>	<u>Box 3119 Midland Texas 79702</u>
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
<u>El Paso Natural Gas Company</u>	<u>Box 1492, El Paso, Tx. 79978</u>
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge.
	Is gas actually connected? <u>Yes</u> When <u>8-8-72</u>

If this production is commingled with that from any other lease or pool, give commingling order number:

V. COMPLETION DATA

Designate Type of Completion - (X)		Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Some Res'v.	Drill. R
Date Spudded	Date Compl. Ready to Prod.	Total Depth		P.B.T.D.					
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay		Tubing Depth					
Perforations		Depth Casing Shoe							
TUBING, CASING, AND CEMENTING RECORD									
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET		SACKS CEMENT					

VI. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top able for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bble.	Water-Bble.	Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Grav. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shot-in)	Casing Pressure (Shot-in)	Choke Size

I. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

H. L. Kendrick
H. L. Kendrick (Signature)
Sr. Proration Engineer
(Title)

November 25, 1981

(Date)

OIL CONSERVATION DIVISION

APPROVED JAN 11 1982

BY W. A. GressittTITLE SUPERVISOR, DISTRICT II

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deep well, this form must be accompanied by a tabulation of the deviate tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for all wells on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of oil well name or number, or transporter, or other such change of conditions.

Separate Forms C-104 must be filed for each pool in mult completed wells.

N. M. U. C. C. C.
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/>		1b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other <input type="checkbox"/>		2. NAME OF OPERATOR Black River Corporation		3. ADDRESS OF OPERATOR 620 Commercial Bank Tower, Midland, Texas		4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 1980' FN & WL Section 3 At top prod. interval reported below Same At total depth		5. PERMIT NO. DATE ISSUED APR 18 1972		6. LEASE/DESIGNATION AND SERIAL NO. NM 0525452 6 1972		7. INDIAN ALLOTTEE OR TRIBAL NAME CONSERVATION COM. Santa Fe		8. FARM OR LEASE NAME Cities 3 Federal		9. WELL NO. 1X		10. FIELD AND POOL OR WILDCAT Washington Lower Morrow		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 3, T26S, R24E		12. COUNTY OR PARISH Eddy		13. STATE New Mexico	
15. DATE SPUDDED 3/11/72		16. DATE T.D. REACHED 3/31/72		17. DATE COMPL. (Ready to prod.) 4/07/72		18. ELEVATIONS (DF, REB, RT, GR, ETC.) 3743 RKB		19. ELEV. CASINGHEAD 3727		20. TOTAL DEPTH, MD & TVD 7050		21. PLUG, BACK T.D., MD & TVD 7012		22. IF SURFACE COMPL. HOW MANY? 2		23. INTERVALS DRILLED BY Rotary		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) 6892 - 6894 Upper Morrow 6913 - 6944 Morrow Lower		25. WAS DIRECTIONAL SURVEY MADE No		26. TYPE ELECTRIC AND OTHER LOGS RUN DILS, ML, HDT, BHC-GR		27. WAS WELL CORED No			
29. CASING RECORD (Report all strings set in well)																											
CASING SIZE				WEIGHT, LB./FT.				DEPTH SET (MD)				HOLE SIZE				CEMENTING RECORD				AMOUNT PULLED							
8-5/8				32				726				11				325											
5-1/2				14-15.5				7048				7-7/8				300											
30. LINER RECORD																											
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT		SCREEN (MD)		SIZE		DEPTH SET (MD)		PACKER SET (MD)													
										2-7/8		6865		6865													
31. PERFORATION RECORD (Interval, size and number)																											
Lower Morrow 6913-6931 6935-6944 54 holes																											
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.																											
DEPTH INTERVAL (MD)														AMOUNT AND KIND OF FLUID USED													
Natural																											
33. PRODUCTION																											
DATE FIRST PRODUCTION 4/05/72				PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing																							
DATE OF TEST 4/11/72		HOURS TESTED 4-1 this rate		CHOKE SIZE 30/64		PROD'N. FOR TEST PERIOD →		OIL—BBL. 0		GAS—MCF. 209.458		WATER—BBL. 0		GAS-OIL RATIO -													
FLOW. TUBING PRESS. 1797		CASING PRESSURE 2539		CALCULATED 24-HOUR RATE →		OIL—BBL. 0		GAS—MCF. 5027		WATER—BBL. -		OIL GRAVITY-API (CORR.) -															
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented & Flared During Test																											
35. LIST OF ATTACHMENTS																											
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records																											
SIGNED J. D. Berry				TITLE Agent				DATE 4/13/72																			

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM 0525452-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Cities 3 Federal

9. WELL NO.

4

10. FIELD AND POOL OR WILDCAT

Washington Ranch-Delaware

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

Section 3, T26S, R24E

12. COUNTY OR PARISH

Eddy

13. STATE

New Mexico

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 "APPLICATION FOR PERMIT" for such proposals.)

1.

OIL
WELL☒GAS
WELL☐

OTHER

2. NAME OF OPERATOR

Alpha Twenty-One Production Company

3. ADDRESS OF OPERATOR

2100 First National Bank Building, Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with an
See also space 17 below.)
At surface

2033' FNL and 660' FWL, Section 3

14. PERMIT NO.

15. ELEVATIONS (Show whether D., RT. OR, ST.)

3735 Ground Level

SEP -8 1986

O. C. D.

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

☒(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)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 perti-
nent to this work.)*

We Plugged and Abandoned this well using the following procedure:

Set CIBP at 1307' and dumped 35' of cement on top.
Perforated at 635' and squeezed with 100 sx. of cement. Cement circulated.
Placed 15 sacks cement plug at the surface.
Erected monument at wellsite.
Work accomplished September 30, 1981.

(USGS Rep. Bert Jones was on location)

We will notify USGS when location is cleaned and ready for inspection.

RECEIVED
NOV 12 1981OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

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

SIGNED

Tommy Phillips

TITLE

Executive Vice President

DATE

October 19, 1981

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

9-586

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

NM OIL & GAS DIVISION
(Other Instructions on Reverse Side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM 0525452-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
RECEIVED

7. UNIT AGREEMENT NAME
SEP 28 1981

8. FARM OR LEASE NAME
O. C. D.
Cities 3 Federal

9. WELL NO.

4 E

10. FIELD AND POOL, OR WILDCAT
Washington Ranch - Dela

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

Sec. 3, T26S, R24E

14. PERMIT NO.

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

3735 Ground Level

12. COUNTY OR PARISH

Eddy

18. STATE

New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

X

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

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.)

Formerly Black River Corp.

We propose to Plug and Abandon this well using the following procedure:

- ** Set CIBP at 1300' and dump 35' of cement on top.
- ** Place 15 sacks cement plug at the surface
- Erect monument at wellsite

(Temperature survey shows top of cement on production string at 690')

- ** Perforate 75 ft. below surface casing shoe and squeeze with 100 sacks of cement.

RECEIVED
OCT 01 1981
OIL & GAS DIVISION

RECEIVED
SEP 22 1981

OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

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

SIGNED

TITLE Executive Vice President

DATE September 18, 1981

(This space for Federal or State Approval)

APPROVED BY PETER W. CHESTER
CONDITIONS OF APPROVAL, IF ANY:

SEP 24 1981

FOR

JAMES A. GILLHAM
DISTRICT SUPERVISOR

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM-0525452-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Cities 3 Federal

9. WELL NO.

#4

10. FIELD AND POOL, OR WILDCAT

Wildcat Und. Delaware

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

Sec. 3, T-26-S. R-24-E

14. PERMIT NO.

Approved 9/19/72

15. ELEVATIONS (Show whether DF, RT, or GR)

3735 GR

12. COUNTY OR PARISH

Eddy

13. STATE

New Mexico

16.

Check Appropriate Box To Indicate Nature of Notice, Notice, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other) Extension

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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.)*

Alpha Twenty-One Production Co. is in the process of aiding El Paso Natural Gas Co. in the acquisition of the Washington Ranch Morrow field to be used for a gas storage reservoir. The Cities 3 Federal #4 well is completed in a shallower horizon (Delaware Formation). The projected completion date for this project at this time is July or August of this year. The Cities 3 Federal #4 had good shows of oil in the core analysis however completion resulted in a large amount of water and a small amount of oil. Before we P&A this hole we would like to take a good look at other possible completion techniques that could be used.

With the current gas storage project on this property and our desire to try to complete a commercial well at this location, we respectfully request that an extension of time be granted to September 30, 1981 in which to put well to beneficial use of plug and abandon.

RECEIVED
MAR 03 1981
OIL CONSERVATION DIVISION
SANTA FEAPPROVED FOR 2 MONTH PERIOD
ENDING 9-30-81

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

SIGNED

Rexine J. J. J.

TITLE

V.P.

DATE

2-25-81

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED

FEB 26 1981

FOR DISTRICT SUPERVISOR

*See Instructions on Reverse Side

N.M.O.C.D. COPY
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
SUBMIT IN TRIPPLICATE
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.
5. LEASE DESIGNATION AND SERIAL NO.

NM-0525452-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Cities 3 Federal

9. WELL NO.

#4 E

10. FIELD AND POOL, OR WILDCAT

Wildcat Und Delaware

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

Sec. 3, T-26-S, R-24-E

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 "APPLICATION FOR PERMIT--" for such proposals.)1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Alpha Twenty-One Production Company

3. ADDRESS OF OPERATOR

2100 First National Bank Bldg. - Midland, Texas

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

2033' FNL and 660' FWL, Section 3

14. PERMIT NO.

Approved 9/19/72

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

3735 GR

12. COUNTY OR PARISH

Eddy

13. STATE

New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other) Temporary Abandonment

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Temporary Abandonment

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

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.)*

We respectfully request approval to continue the Temporary Abandonment status of this well. We have a new engineer that needs additional time to evaluate this well.

Put well to beneficial use or plug
before March 1, 1981 pursuant to
30 CFR 221.34.

DEC 2 1980
DISTRICT SUPERVISOR

RECEIVED
DEC 09 1980
OIL CONSERVATION DIVISION
SANTA FE

RECEIVED

NOV 20 1980

U.S. GEOLOGICAL SURVEY
ALBUQUERQUE, NEW MEXICO

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

SIGNED

Ronne Sowers

TITLE

Vice President

DATE

11-19-80

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

N. M. O. C. C. COPY

SY

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease
State <input type="checkbox"/> Fee <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.
NM-0525452

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 "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name
2. Name of Operator Black River Corporation	8. Farm or Lease Name Cities 3 Federal
3. Address of Operator 620 Commercial Bank Tower, Midland, Texas 79701	9. Well No. 4
4. Location of Well UNIT LETTER <u>E</u> <u>2033</u> FEET FROM THE <u>North</u> LINE AND <u>660</u> FEET FROM THE <u>West</u> LINE, SECTION <u>3</u> TOWNSHIP <u>26S</u> RANGE <u>24E</u> NMPM.	10. Field and Pool, or Wildcat Wildcat
15. Elevation (Show whether DF, RT, GR, etc.) 3735 GR. 3742 KB	12. County Eddy

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input checked="" type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	OTHER <u>TA</u>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1703.

We respectfully request approval to temporarily abandon this well as we have an evaluation study underway on our shallow drilling program in this immediate area. We expect to have results of our study in the next few months at which time the decision will be made to continue completion work or plug and abandon.

RECEIVED
JUN - 9 1975
OIL CONSERVATION COMMISSION
SANTA FE

RECEIVED
JUN 7 1976
O. C. C.
ARTESIA, OFFICE

RECEIVED
MAY 27 1976
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED James E. Sanders TITLE Vice President DATE May 26, 1976

APPROVED BY JUN 3 - 1976 UNLESS FURTHER APPROVED, WELL MUST
CONDITIONS OF APPROVAL, IF ANY: USE OR PLUGGED BY DATE OCT 1 - 1976

N. M. O. C. G. COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

<p>1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other <input type="checkbox"/></p>										<p>5. LEASE DESIGNATION AND SERIAL NO. NM-0525452</p>																																																	
<p>b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other <input type="checkbox"/></p>										<p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p>																																																	
<p>2. NAME OF OPERATOR Black River Corporation</p>										<p>UNIT AGREEMENT NAME</p>																																																	
<p>3. ADDRESS OF OPERATOR 620 Commercial Bank Tower, Midland, Texas 79701</p>										<p>7. FARM OR LEASE NAME Cities 3 Federal</p>																																																	
<p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 2033' FNL & 660' FWL Section 3 At top prod. interval reported below At total depth same</p>										<p>8. WELL NO. 4</p>																																																	
<p>14. PERMIT NO. DATE ISSUED J. L. C. FEB 2 1973</p>										<p>10. FIELD AND POOL, OR WILDCAT Wildcat</p>																																																	
<p>15. DATE SPUNDED 9/22/72 16. DATE T.D. REACHED 10/1/72 17. DATE COMPL. (Ready to prod.) 10/5/72</p>										<p>11. SEC. T. R. M. OR BLOCK AND SURVEY OR AREA Sec. 3, T26S, R24E</p>																																																	
<p>18. ELEVATIONS (DF, REB, RT, GR, ETC.) 3735 GR</p>										<p>12. COUNTY OR PARISH Eddy</p>																																																	
<p>19. ELEV. CASINGHEAD 3735</p>										<p>13. STATE New Mexico</p>																																																	
<p>20. TOTAL DEPTH, MD & TVD 1412 21. PLUG, BACK T.D., MD & TVD 1385 22. IF MULTIPLE COMPL. HOW MANY* - -</p>										<p>23. INTERVALS DRILLED BY Yes</p>																																																	
<p>24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 1350 - 1356' 12 holes</p>										<p>25. WAS DIRECTIONAL SURVEY MADE No</p>																																																	
<p>26. TYPE ELECTRIC AND OTHER LOGS RUN BHC GR-Sonic</p>										<p>27. WAS WELL CORED Yes</p>																																																	
<p>28. CASING RECORD (Report all strings set in well)</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>CASING SIZE</th> <th>WEIGHT, LB./FT.</th> <th>DEPTH SET (MD)</th> <th>HOLE SIZE</th> <th>CEMENTING RECORD</th> <th>AMOUNT PULLED</th> </tr> </thead> <tbody> <tr> <td>7-5/8</td> <td>24</td> <td>563</td> <td>11</td> <td>325</td> <td>- -</td> </tr> <tr> <td>4-1/2</td> <td>9.5</td> <td>1412</td> <td>6-1/2</td> <td>100</td> <td>- -</td> </tr> </tbody> </table>												CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED	7-5/8	24	563	11	325	- -	4-1/2	9.5	1412	6-1/2	100	- -																														
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2-3/8	1345	- -																																																									
<p>31. PERFORATION RECORD (Interval, size and number) 1350-56 - 12 holes 0.45 dia.</p>						<p>32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>DEPTH INTERVAL (MD)</th> <th>AMOUNT AND KIND OF MATERIAL USED</th> </tr> </thead> <tbody> <tr> <td>1350-56</td> <td>5000 gal. YF60 & 11,000# Sand</td> </tr> </tbody> </table>						DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED	1350-56	5000 gal. YF60 & 11,000# Sand																																												
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<p>33. PRODUCTION</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">DATE FIRST PRODUCTION</th> <th colspan="4">PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)</th> <th colspan="2">WELL STATUS (Producing or shut-in)</th> </tr> </thead> <tbody> <tr> <td colspan="2">10/5/72</td> <td colspan="4">Pump</td> <td colspan="2">S.I.</td> </tr> <tr> <th>DATE OF TEST</th> <th>HOURS TESTED</th> <th>CHOKE SIZE</th> <th>PROD'N. FOR TEST PERIOD</th> <th>OIL—BBL.</th> <th>GAS—MCF.</th> <th>WATER—BBL.</th> <th>GAS-OIL RATIO</th> </tr> <tr> <td>10/7/72</td> <td>24</td> <td>2"</td> <td>→</td> <td>2</td> <td>TSTM</td> <td>65</td> <td>- -</td> </tr> <tr> <th>FLOW, TUBING PRESS.</th> <th>CASING PRESSURE</th> <th>CALCULATED 24-HOUR RATE</th> <th>OIL—BBL.</th> <th>GAS—MCF.</th> <th>WATER—BBL.</th> <th colspan="2">OIL GRAVITY-API (CORR.)</th> </tr> <tr> <td>20</td> <td>20</td> <td>→</td> <td>2</td> <td>- -</td> <td>65</td> <td colspan="2">32</td> </tr> </tbody> </table>												DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)		10/5/72		Pump				S.I.		DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	10/7/72	24	2"	→	2	TSTM	65	- -	FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)		20	20	→	2	- -	65	32	
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20	20	→	2	- -	65	32																																																					
<p>34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented</p>																																																											
<p>35. LIST OF ATTACHMENTS</p>																																																											
<p>36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records</p>																																																											
<p>SIGNED <u>J. T. Berry</u> TITLE <u>Agent</u> DATE <u>1/29/73</u></p>																																																											

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM-0525452 - 1

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Cities 3 Federal

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

Wildcat *Del.*11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 3, T26S, R24E

12. COUNTY OR PARISH 13. STATE

Eddy

New Mexico

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 "APPLICATION FOR PERMIT—" for such proposals.)1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Black River Corporation

3. ADDRESS OF OPERATOR

620 Commercial Bank Tower, Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

2033' FNL & 660' FWL Section 3

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, OR, etc.)

3735 GR. 3742 KB

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

Casing Operations

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

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 subject well was spudded on August 22, 1972 and an 11 inch hole was drilled to 563' which was 75' into the Delaware Formation. 7-5/8" 24#/ft. casing was run to T.D. and cemented with 325 sx. cement with 50 sx. circulated to pit. After W.O.C. 18 hours the casing was tested to 1000 psi and held OK. A 6-1/2" hole was drilled to 1302' at which time coring commenced. The well was cored from 1302' to 1380' and reamed to 6-1/2" hole and T.D. at 1412'. 4-1/2" 9.5#/ft. casing was run to 1412' on October 1, 1972 and cemented with 100 sx. cement. After W.O.C. 24 hours the well was perforated from 1350'-1356' with 12 jet shots. The well was then fractured with 5000 gas. YF60 and 11000# sand. Pump equipment was installed and testing commenced.

RECEIVED
JAN 31 1973
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICORECEIVED
FEB 2 1973O. C. C.
ARTESIA, OFFICE

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

SIGNED

J. T. Berry

TITLE

Agent

DATE

1/29/73

(This space for Federal or State office use)

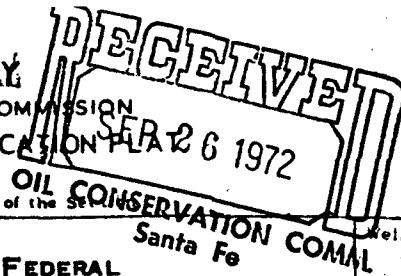
TITLE

DATE

APPROVED
FEB - 1 1973
H. L. BEEKMAN
ACTING DISTRICT ENGINEER

*See Instructions on Reverse Side

N. M. O. C. C. CORY
NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT



Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the section.

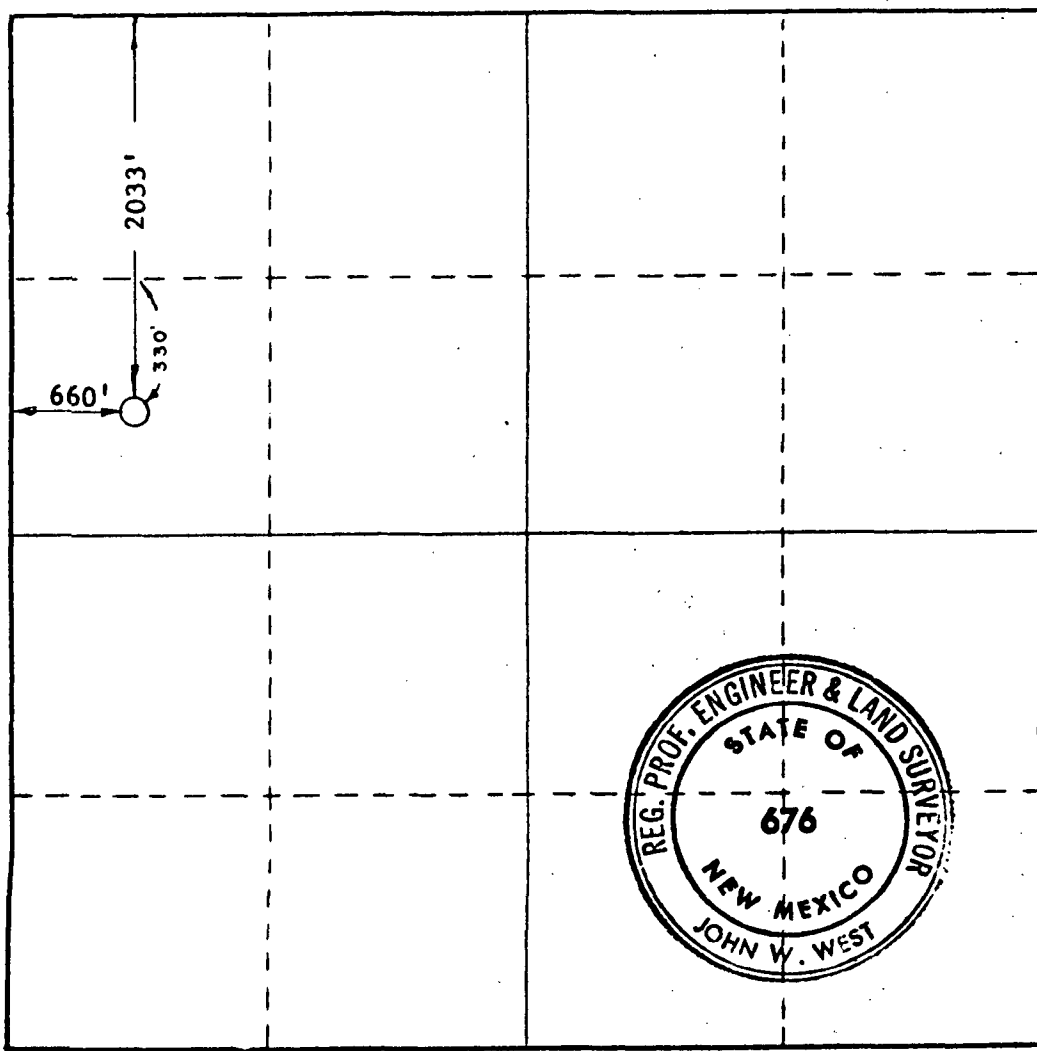
Operator BLACK RIVER CORPORATION		Lease CITIES 3 FEDERAL			Well No. 4
Unit Letter E	Section 3	Township 26 SOUTH	Range 24 EAST	County EDDY	
Actual Footage Location of Well: 2033 feet from the NORTH line and 660 feet from the WEST line					
Ground Level Elev. 3755.0'	Producing Formation DELAWARE		Pool WILBOAT	Dedicated Acreage: 52.01 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

John W. West
Name

Position
AGENT

Company
BLACK RIVER CORPORATION

Date
SEPTEMBER 16, 1972

I hereby certify that the well location shown on this plat was plotted from field notes and surveys made by me or under my supervision and that the same are correct to the best of my knowledge and belief.

RECEIVED
SEP 13 1972
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

Date Surveyed
SEPTEMBER 16, 1972

Registered Professional Engineer and/or Land Surveyor

John W. West
Certificate No. **676**

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

RECEIVED
SEP 26 1972
OIL CONSERVATION COMMISSION

Form C-102
Supersedes C-
Effective 1-1-67

All distances must be from the outer boundaries of the Section.

Operator Black River Corporation			Lease Cities 3 Federal		Well No. 4
Unit Letter E	Section 3	Township 26S	Range 24E	County Santa Fe	
Actual Footage Location of Well: 2033 feet from the North line and 660 feet from the West line					
Ground Level Elev. 	Producing Formation Delaware		Pool Wildcat	Dedicated Acreage: 40.52.01 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc? **Y. N. C.**

ARTIFICIAL OFFICE

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name _____
Position _____
Agent

Company
Black River Corporation

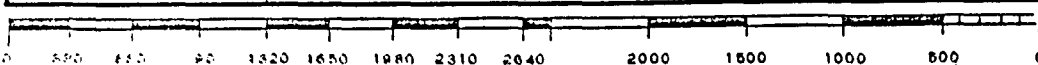
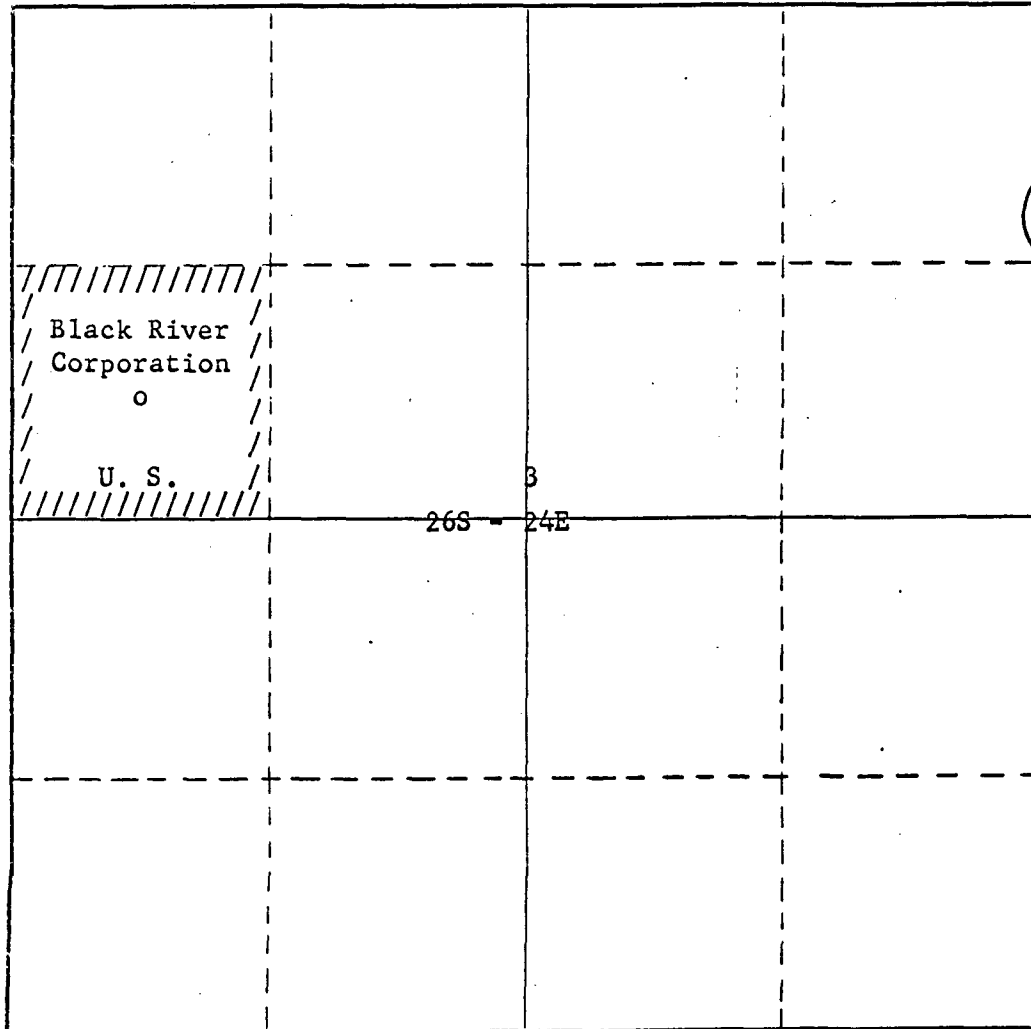
Date
9/18/72

RECEIVED
SEP 26 1972
I hereby certify that the well location shown on this plat was plotted from field notes of actual survey made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.
Surveyor's Plat to be mailed separately

Date Surveyed _____

Registered Professional Engineer and/or Land Surveyor

Certificate No. _____



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SEP 1 (Other instructions on reverse side)

30-015-2 0748

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
 Black River Corporation

3. ADDRESS OF OPERATOR
 620 Commercial Bank Tower, Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 2033' FNL & 660' FWL Section 3
 At proposed prod. zone
 Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 12 miles Southwest of White's City

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 660

16. NO. OF ACRES IN LEASE
 210

17. NO. OF ACRES ASSIGNED TO THIS WELL
 40 52.01

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 1320

19. PROPOSED DEPTH
 2000

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 3725 Estimated - To be corrected

22. APPROX. DATE WORK WILL START*
 September 22, 1972

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11	7-5/8	24	700	350 sacks
6-1/2	4-1/2	9.5	TD	200 sacks

It is proposed to drill the 11 inch hole to 700 feet which should be 200 feet into the Delaware formation at which time the 7-5/8 inch casing will be run and cement circulated. After WOC a minimum of 18 hours the casing will be tested to 1000 psi. If test OK, will drill with fresh water the 6-1/2 inch hole to approximately 1300 feet and then change over to a 8.6#/gal, 6.0 c.c. water loss mud system and drill to TD. A double ram BOP will be used during drilling operations. At total depth, if well test appear productive, the 4-1/2 inch casing will be run with cement sufficient to return to approximately 1000 feet from the surface.

RECEIVED
SEP 26 1972

RECEIVED

SEP 25 1972

RECEIVED
SEP 19 1972
U.S. GEOLOGICAL SURVEY
ARTESIA, N.M.

IN ABOVE STATE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED J. T. Berry TITLE Agent DATE 9/18/72

(This space for Federal or State office use)

PERMIT NO. _____

APPROVAL DATE

APPROVED BY J. A. Kraft
 CONDITIONS OF APPROVAL, IF ANY:

TITLE

DISTRICT ENGINEER

DATE SEP 22 1972

SEP 22 1972

12-22-72

*See Instructions On Reverse Side

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
ARTS & SCIENCES DIVISION
WASHINGTON, D.C. 20508
NM 0502925A

Form approved
Bureau Order No. 47 1105
TRANS. INFORMATION AND SERIAL NO.
NM 0502925A

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different country
the APPLICATION FOR PERMIT for such proposals)

1. NAME OF OPERATOR Alpha Twenty-One Production Company		2. NAME OF LEASE NAME BR Federal	
3. ADDRESS OF OPERATOR 2100 First National Bank Building, Midland, Texas 79701		3. WELL NO. 3	
4. LOCATION OF WELL (Report location clearly and in accordance with any state regulations) 330 FWL and 330 FSL		10. FIELD AND PROD. OR WITHDRAWAL Washington Ranch - Strawn	
14. PERMIT NO.		15. STATE New Mexico	
11. ELEVATIONS (Show whether OF, AT, OR, ON) 3802 Ground Level		12. COUNTY OR PARISH Eddy	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		COMPLETION REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>
FRACURE TREAT	<input type="checkbox"/>	FRACURE TREATMENT	<input type="checkbox"/>
SHUT-IN OR ABANDON	<input type="checkbox"/>	SHUTTING IN OR ABANDONING	<input type="checkbox"/>
REPAIR - CCL	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
REPAIR - CCL	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
REPAIR - CCL	<input type="checkbox"/>	ABANDONMENT	<input checked="" type="checkbox"/>

17. DESCRIBE PREVIOUS OR COMPLETION OPERATIONS. Include all pertinent details, and give pertinent dates, including estimated date of starting and proposed work. If well is directionally drilled, give subsurface headings and measured and true vertical depths for all sections and since pertinent to this work.

We Plugged and Abandoned this well using the following procedure:

Placed a CIBP at 5850' and Dumped 40' of cement on top
Cut off 4 1/2" casing at approximately 4226' and placed a 100' cement plug across the stub at approximately 4150' to 4256'.
Placed a 100' cement plug across top of Bone Spring at 3575' to 3675'.
Placed a 100' cement plug at 1898' to 1998'.
Placed a 150' cement plug across shoe of the 9-5/8" casing at 564' to 714'.
Placed 15 sacks cement plug at the surface.
Erected monument at the wellsite.

(USGS Rep. Bert Jones was on location)

We will notify USGS when location is cleaned and ready for inspection.

RECEIVED
OCT 20 1981

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

SIGNED: Tommy Philipp TITLE: Executive Vice President DATE: October 19, 1981

(This space for Federal or State office use)

APPROVED BY: _____ TITLE: _____ DATE: _____

CONDITIONS OF APPROVAL, IF ANY: _____

*See Instructions on Reverse Side

Form 0-311
(May 1962)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ARTESIAN, TX 88210

Form approved
Budget Bureau No. 42-81025
LEASE DESIGNATION AND SERIAL NO.

NM 050 2925-A

IF INDICATED, ALLEGED OR TRUE NAME

RECEIVED

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different formation
the "APPLICATION FOR PERMIT" for such proposals.)

1. NAME OF OPERATOR
Alpha Twenty-One Production Company

2. ADDRESS OF OPERATOR
2100 First National Bank Building, Midland, Texas 79701

3. LOCATION OF WELL (Give location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface
330 FWL and 330 FSL

4. PERMIT NO.
3802 Ground Level

5. STATE (Show whether dr. or on file.)
New Mexico

6. FIELD AND POOL, OR DISTRICT
Washington Ranch - Stream

7. SEC. 33, T25S, R24E

8. COUNTY OR PARISH
Eddy

9. STATE
New Mexico

10. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		DISCONTINUED REPORT OF:	
TEST WATER ONLY	<input type="checkbox"/>	DRILL OR ALTER Casing	<input type="checkbox"/>
FRACING TEST	<input type="checkbox"/>	MULTIPLE COMPLETS	<input type="checkbox"/>
SHOOT OR ABANDON	<input type="checkbox"/>	ABANDON	<input checked="" type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	FINISH PLUG	<input type="checkbox"/>
(Other)	<input type="checkbox"/>	(Other)	<input type="checkbox"/>

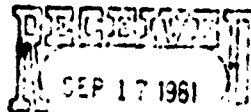
11. REPORT RESULTS OF MULTIPLE COMPLETS OR WELL
Completion or Abandonment Report and Log Form.

12. MEMBER THROUGH IN COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent data, including estimated date of starting and proposed work. If well is discontinuously drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to its work.)

We propose to plug and Abandon this well using the following procedure:

Place a CIBP at 5850' and Dump 35' of cement on top
Cut off 5 1/2" casing at approximately 4800' and place a 100' cement plug across the stub at approximately 4750' to 4850'.
Place a 100' cement plug across top of Bone Spring at 3575' to 3675'.
Place a 100' cement plug at 1900' to 2000'.
Place a 100' cement plug across shoe of the 9-5/8" casing at 564' to 664'.
Place 15 sack cement plug at the surface.
Erect monument at the wellsite.

(Oral permission to P&A received from USGS Rep. Peter Chester 9-15-81)



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

SIGNED: *[Signature]* TITLE: Executive Vice President DATE: 9-16-81

APPROVED: *[Signature]* DATE: SEP 22 1981

APPROVED: (Oral) PETER W. CHESTER DATE: SEP 22 1981

CONDITIONS OF APPROVAL, IF ANY:

FOR JAMES A. GILLHAM See instructions on Reverse Side DISTRICT SUPERVISOR

OFFICE RECEIVED	
DISTRIBUTION	
STAFF	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
PRODUCTION OFFICE	

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-100
Supersedes Form C-100 and C-100
Effective 1-1-65

RECEIVED

Operator Alpha Twenty-One Production Company	
Address 2100 First National Bank Building, Midland, Texas 79701	
Reason(s) for filing (check proper box)	
New Well <input type="checkbox"/>	Change in Transporter of: Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>
Recompletion <input type="checkbox"/>	Completion Gas <input type="checkbox"/> Condensate <input type="checkbox"/>
Change in Ownership <input checked="" type="checkbox"/>	

If change of ownership give name and address of previous owner: Black River Corporation, 2100 First National Bank Building, Midland, Texas 79701

II. DESCRIPTION OF WELL AND LEASE

Lease Name BR Federal	Well No. 3	Pool Name, including Formation Washington Ranch - Strawn	Kind of Lease State, Federal or Fee Federal	Lease No. 0502925
Location Unit Letter M : 330 Feet From The West Line and 330 Feet From The South				
Line of Section 33 Township 24-S Range 24-E, NE/4, Eddy County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/>	The Permian Corporation	Address (Give address to which approved copy of this form is to be sent) Box 3119, Midland, Texas 79701
Name of Authorized Transporter of Completion Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	El Paso Natural Gas Company	Address (Give address to which approved copy of this form is to be sent) Box 1492, El Paso, Texas 79978
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. R. S. E. M 33 25S 24E	Is gas actually connected? When Yes 02-11-77

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)		Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> New Well <input type="checkbox"/> Recover <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Lane Reelv. <input type="checkbox"/> Cill. Reelv. <input type="checkbox"/>
Date Spudded 01-05-76	Date Compl. Ready to Prod. 01-29-76	Total Depth 6205
Elevations (DF, RAB, RT, GR, etc.) 3802.3 GR	Name of Producing Formation Washington Ranch-Strawn	Top Oil/Gas Pay 5926
Perforations 5927-39		Tubing Depth 5940
		Depth Casing Shoe 6205
TUBING, CASING, AND CEMENTING RECORD		
MOLE SIZE	CASING & TUBING SIZE	DEPTH SET
13-1/2	9-5/8	614
		17 1/2 LB. WT.
1-7/8	4-1/2	6205
		75 LB. WT.
		17 1/2 LB. WT.

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL, WFII.

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Procedure	Casing Procedure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL.

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Procedure (Shot-10)	Casing Procedure (Shot-10)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Tommy Phillips
Tommy Phillips (Signature)
Executive Vice President
(Title)
December 17, 1979
(Date)

OIL CONSERVATION COMMISSION

APPROVED *W. L. 1979*
BY *W. L. 1979*
TITLE *SUPERINTENDENT*

This form is to be filed in compliance with RULE 1100.
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.
All sections of this form must be filled out completely for allowance on new and recompleted wells.
Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.
Separate Forms C-100 must be filed for each pool in multiply completed wells.

DISTRIBUTION
SANTA FE
FILE
U.S.G.S.
LAND OFFICE
TRANSPORTER
OIL
GAS
OPERATOR

OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

RECEIVED

JAN 13 1977

I. PRODUCTION OFFICE
Operator
Black River Corporation
Address
620 Commercial Bank Tower, Midland, Texas 79701
Reasons for filing (check appropriate box)
New Well
Recompletion
Change in Ownership
Other (Please explain)

If change of ownership, give name and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name
BR Federal
Location
Unit Letter M 330 West 330 South
County 33 24 South 24 East

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Transporter (check appropriate box)
The Permian Corporation
El Paso Natural Gas Company
Address
1400 W. Wall, Midland, Texas 79701
P. O. Box 1402, El Paso, Texas 79901
If well is being transported, give location of well
M 33 29 24

IV. COMPLETION DATA

Designate Type of Completion (X)
Time Spent
1-28-76
Flowing (check appropriate box)
3800.2 GPH
Perforations
5'27-30
TUBING, CASING, AND CEMENTING RECORD
HOLE SIZE
13 1/2"
CASING & TUBING SIZE
9 5/8"
DEPTH SET
14'
SACK CEMENT
100 lb. Class II
100 lb. Class II
100 lb. Class II

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

Date first flow test run to date
1-28-76
Length of Test
21 Hours
Actual Prod. During Test
3800.2 GPH
Flowing (check appropriate box)
1-28-76
1-28-76
1-28-76
1-28-76

GAS WELL

Actual Prod. Test (SCF)
Length of Test
Flowing (check appropriate box)
Testing Method (pump, back pr.)
Tubing Pressure (SCF-in)
Casing Pressure (SCF-in)
Choke Size

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief

Ronald D. Anderson
Vice President
1-10-77

OIL CONSERVATION COMMISSION

APPROVED FEB 23 1977
BY
TITLE SUPERVISOR, DISTRICT 11

This form is to be filed in compliance with OULB 1102.
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a reproduction of the deviation tests taken on the well in accordance with OULB 1101.
All sections of this form must be filled out completely for allowable on new and recompleted wells.
Fill out only Sections I, II, III and VI for changes of owner, well name or number, or transporter, or other such change of condition.
Separate Forms C-104 must be filed for each pool in multiply zoned wells.



DIRECTOR
JOE D. RAMEY

OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO
P.O. DRAWER DD-ARTESIA
88210

LAND COMMISSIONER
PHIL R. LUCERO



STATE GEOLOGIST
EMERY C. ARNOLD

May 7, 1976

Black River Corporation
620 Commercial Bank Tower
Midland, Texas 79701

Re: BR Federal
#3-M, 33-25-24
Eddy County, N. M.

Dear Mr. Sowders:

The log on the subject well has been correlated with the Industry Committee Cross Section H-H and we found said well to be completed in the Strawn instead of the Canyon as previously reported.

Please change your records and submit all future reports accordingly.

By copy of this letter, we are notifying the oil transporter and our Santa Fe Office of the change and requesting this change be made in their records.

If you have any questions concerning this matter, please feel free to call upon me.

Sincerely yours,

W. A. Gressett
Supervisor, District II

WAG/ep
xc/The Permian Corp.
N. M. OCC, Santa Fe ✓

BLACK RIVER CORPORATION

620 COMMERCIAL BANK TOWER
MIDLAND, TEXAS 79701

915 688-8283

February 2, 1976

RECEIVED
FEB 4 1976
COUNTY

Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: BR Federal #
001 EMI - 001 EMI Section
1-25-75, P-27-75
Eddy County, New Mexico

Gentlemen:

Enclosed for your review and files are copies of the full wire logs
on the referenced well:

1. Log Induction Log
2. Pressure-Dependent Log
3. Microlog
4. Gamma-Ray
5. LST #1 - Tested Interval 5000 - 5000'
6. LST #1 - Tested Interval 5000 - 5000'

Very truly yours,

Ronald L. Jensen
Ronald L. Jensen, P.E.
Vice President

RJC/jw

Enclosures

RECEIVED
FEB 4 1976
COUNTY

N. M. G. & C. CO.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MINERAL INVESTIGATION

WELL RECORD

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1. TYPE OF WELL: ☒ Oil ☐ Water ☐ Other

2. TYPE OF COMPLETION: ☒ New ☐ Re-completion ☐ Other

3. NAME OF OPERATOR: Bluebird Corporation

4. ADDRESS OF OPERATOR: 6901 Commercial Road, Tower, Midland, Texas

5. LOCATION OF WELL: Report location clearly and in accordance with any State requirements.

At surface: 3309 EBL & 3309 EBL, Section 34

At top of interval reported below:

At total depth:

16. PERMIT NO. Approved 12-18-76

17. DATE REPORTED: 1-5-77

18. DATE WELL REACHED: 1-2-77

19. DATE COMPLETION: 1-2-77

20. TOTAL DEPTH, MD & TVD: 6205'

21. DEPTH OF COMPLETION: 6165'

22. DEPTH OF INTERVAL REPORTED: 5927' - 5939'

23. TYPE OF INTERVAL: Canyon Formation

24. TYPE OF INTERVAL: Canyon Formation

25. TYPE OF INTERVAL: Canyon Formation

26. TYPE OF INTERVAL: Canyon Formation

27. TYPE OF INTERVAL: Canyon Formation

28. TYPE OF INTERVAL: Canyon Formation

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10. 0501-4-4

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61. 0501-4-4

62. 0501-4-4

RECEIVED
JAN 29 1976
U.S. GEOLOGICAL SURVEY
ALBUQUERQUE, NEW MEXICO

DATE	TIME	DEPTH (MD)	DEPTH (TVD)	DEPTH (TVD)	DEPTH (TVD)	DEPTH (TVD)	DEPTH (TVD)
1-2-77	21	1/4"	91	120	-0-	14-1	

DATE	TIME	DEPTH (MD)	DEPTH (TVD)	DEPTH (TVD)	DEPTH (TVD)	DEPTH (TVD)	DEPTH (TVD)
1-2-77	21	1/4"	91	120	-0-	14-1	

DATE	TIME	DEPTH (MD)	DEPTH (TVD)	DEPTH (TVD)	DEPTH (TVD)	DEPTH (TVD)	DEPTH (TVD)
1-2-77	21	1/4"	91	120	-0-	14-1	

DATE	TIME	DEPTH (MD)	DEPTH (TVD)	DEPTH (TVD)	DEPTH (TVD)	DEPTH (TVD)	DEPTH (TVD)
1-2-77	21	1/4"	91	120	-0-	14-1	

DATE	TIME	DEPTH (MD)	DEPTH (TVD)	DEPTH (TVD)	DEPTH (TVD)	DEPTH (TVD)	DEPTH (TVD)
1-2-77	21	1/4"	91	120	-0-	14-1	

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

INSTRUCTIONS

General: This form is designed for submitting a 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, or regional, procedures and practices, either are shown below or will be learned by, or may be obtained from, the local Federal and/or State office. See Instructions on Items 22 and 23, below regarding separate reports for separate acquisitions. If not filed prior to the time this summary report is submitted, copies of all currently available local, Federal, or State laws and regulations, all types of electric, etc., forms, and present laws and regulations, should be attached hereto, in the extent required by applicable Federal and/or State laws and regulations. All attachments should be filed on this form, see Item 23.

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 special instructions.)

Item 10: Indicate which section is used as reference (shown and appearing above) for depth measurements given in other parts on this form and in any attachments. Items 10 and 11: If this well is completed for separate production from more than one interval (see example completion), so state in Item 22 and in Item 23 show the producing interval, or intervals, top(s), bottom and number, if any, for each the interval, report in Item 23. Submit a separate report (part) on this form, adequately identified, for each additional interval. Show separately produced, showing the additional data pertinent to each interval.

Item 22: See Item 4, General. Attach separate report for this well should show the details of any multiple stage completion and the location of the completing tool.

Item 23: Submit a separate completion report on this form for each interval to be separately completed. (See instruction for Items 22 and 23 above.)

STANDARD OF PRODUCTION ZONES		SECTION, TOWNSHIP, RANGE, AND ALL NECESSARY DATA, INCLUDING 24		GEOLOGIC MARKERS	
PRODUCTION	TYPE	SECTION	TOWNSHIP	RANGE	TYPE
Delaware	550	3425	Sand & Shale Stringer	Delaware	550
Bone Springs	3425	5420	Shaly Lime, Shale	Bone Springs	3425
			Scatter Sand Stringers		
Fern	5620	5625	Shale	5620 Bone Springs	5625
Canyon	5625	5625	Limestone	Fern	5620
Canyon	5625	5900	Shale	Canyon	5625
Canyon	5900	6205	Limestone	Top Canyon	5900
Canyon	6205			Bottom Canyon	5900

Form 9-311
(May 1965)

UNITED STATES **N. M. O. C. G. CO.**
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form approved
Bureau of Reclamation No. 43 B1434
1. STATE AGENCY AND SERIAL NO.
2. PROJECT NAME
3. IF INDIAN, AGENCY OR TRIBE NAME

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 "APPLICATION FOR PERMIT" for such proposals.)

1. ☒ OIL ☐ GAS ☐ OTHER
2. NAME OF OPERATOR
Black River Corporation
3. ADDRESS OF OPERATOR
650 Commercial Bank Tower, Houston, Texas 77002
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
Now also space if below 1
At surface 330' FWL 330' FWL, Section 31
14. PERMIT NO.
Approved 12-18-75
15. ELEVATIONS (Show whether OF, BY, OR, OR)
3302.3 68
16. PERMIT NO.
17. COUNTY OR PARISH
18. STATE
New Mexico

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER ONLY OFF
PRACTICE TREAT
SHUT IN ACHIEVE
REPAIR WELL
(Other)

PLUG OR AFTER CLOSING
MULTIPLE COMPLETION
CONCRETE
CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT OFF
PRACTICE TREATMENT
SHUTTING OR ACHIEVING
(Other)

REPAIRING WELL
ALTERING CLOSING
ABANDONMENT

17. DESCRIBE BRIEFLY OR COMPLETELY 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 some points not in this work.)

Well spudded January 5, 1976. Drilled 13 1/2" hole to 614' and set 9 5/8" - 36 lb K-55 STC casing with a regular pattern shoe and baffle in top of casing shoe. Used 175 sacks of Dowell light wt. cement and 75 sacks of Class C heat cement on bottom. Cement did not circulate. Received verbal permission to run temperature survey and then fill to top w/ready mix from Mr. Gordon of U735, who was on location. Found top of cement @ 260'. After WC a minimum of 24 hours then proceeded w/ a 7 7/8" hole to total depth of 6205'. Tested the intervals 5920'-5970' and 6100'-6205'. The interval 5920'-5970' had good pressure and good show of oil. The interval 6100'-6205' had good pressure, however, recovered 5120' of gas wt. water. Copies of ICF reports will be furnished. Logged well with BHC-GP, DIL & ML on January 24, 1976. Ran 150 lbs of 4 1/2" 10.5 lb. K-55 STC casing as follows:

1. Halcos guide shoe	.81
2. 1 J1 K-55 10 1/2" lbm casing	41.40
3. 1 Halcos mato - FH insert float	
4. 142 J1s casing	6151.20
5. RKB	11.50
	6205'

RECEIVED

JAN 29 1976

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

Pumped 20 barrels clear water ahead & cemented well w/175 sks class H & 100 sks latex cement. Pumped plug w/2000 lbm. Released pressure, float held OK. Job complete @

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

SIGNED Barrie Souther TITLE Vice President DATE 1-29-76
(This space for Federal or State official use)
APPROVED BY [Signature] TITLE STATE ENGINEER DATE JAN 29 1976
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law 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. Consult local office for details.

Item 1: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local office for details.

Item 2: If there are applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal and/or State requirements. Consult local office for details.

Item 3: If there are applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal and/or State requirements. Consult local office for details.

Item 4: If there are applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal and/or State requirements. Consult local office for details.

Item 5: If there are applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal and/or State requirements. Consult local office for details.

Item 6: If there are applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal and/or State requirements. Consult local office for details.

Item 7: If there are applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal and/or State requirements. Consult local office for details.

Item 8: If there are applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal and/or State requirements. Consult local office for details.

Item 9: If there are applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal and/or State requirements. Consult local office for details.

Item 10: If there are applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal and/or State requirements. Consult local office for details.

Item 11: If there are applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal and/or State requirements. Consult local office for details.

Item 12: If there are applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal and/or State requirements. Consult local office for details.

Item 13: If there are applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal and/or State requirements. Consult local office for details.

Item 14: If there are applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal and/or State requirements. Consult local office for details.

Item 15: If there are applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal and/or State requirements. Consult local office for details.

Item 16: If there are applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal and/or State requirements. Consult local office for details.

Item 17: If there are applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal and/or State requirements. Consult local office for details.

10:45 a.m. MDT. Run temperature survey. BIA Remote Wire Line Service @ 6:00 p.m. found top of cement @ 5010'. INTD @ 102'.

Well was treated as follows: Spotted 2 barrels NE 15% acid over interval 5040' to 5812' COOH. Run correlation log and perforated 5027' through 5039' with 3 shots per foot COOH with guns. Rigged down Vann Tool Company. Picked up 4 1/2" x 2 3/8" Gulberson Uni-pak VI packer - Gulberson on-off tool. Went in hole with same, set packer @ 5027' and 10,000 lbs compression. Took off IOP. Installed well head. Pressured up on tube by way of Western Company pump truck. Formation broke @ 3,000 lbs. Put 2 barrels acid into formation. Rigged grab & made 5 runs w/nwab. Well kicked off and unloaded water, gas & compensate. Flowed well to pits 1 hr. SHN.

SIP 1500 psi. Opened well on 3/4" choke. Flaring gas & oil. Flowed well @ 100 psi. surface pressure for 1 1/2 hrs. Rigged up Western Co. & acidized well w/1,500 gals NE 15% acid w/1,000 SCF nitrogen per barrel preceded by 5,000 SCF nitrogen pad @ rate of 4 barrels per minute. Maximum Pressure 3500 psi, Minimum Pressure 3000 psi, Average Pressure 3300 psi. SIP 3300. 5 minute 3100 psi. Opened well to pits on 3/4" choke. Well unloaded flush water, nitrogen and acid water. Flare lite after 15 minute flow. Flowing to pits to clean up. Acid job complete @ 9:30 p.m. MDT. Turned well into test separator @ 1:00 p.m. MDT.

All logs will be furnished as soon as available.

DISTRIBUTION
 STATE
 FILE
 U.S.G.S.
 LAND OFFICE
 TRANSPORTED
 OPERATOR
 PRODUCTION

OIL CONSERVATION COMMISSION
 FORM C-104 FOR ALLOWABLE
 AND
 AUTHORIZED FOR OIL AND NATURAL GAS

Form C-104
 Supersedes Form C-104 and Form C-104A
 (1-1-60)

I. OPERATOR
 Black River Corporation
 Address
 620 Commercial Bank Tower, Midland, Texas 79701
 Reason for filing (check proper box)
 New Well ☒ Extension ☐ Recombination ☐ Change of ownership ☐
 (Other (Please explain))
 CASINGHEAD GAS MUST NOT BE
 LEAKED OUT OF 3-29-78
 IN ANY EXCEPTION TO 42.306
 IS OBSERVED

If change of ownership give name
 and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name
 PR Federal
 Location
 330' West 340' South
 Line Section 25 South 24 East Eddy County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Transporter (check proper box)
 The Permian Corporation
 1509 W. Wall, Midland, Texas 79701
 If well is to be produced in a lease owned by the transporter, give the name of the lease.

IV. COMPLETION DATA

Designate Type of Completion (A)
 1-5-76 1-2-76
 3002.3 GP Wildcat Canyon
 Performance
 5927-39
 TUBING, CASING AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
13 1/2"	9 5/8"	112"	175 SX LI. WT. Cement
11 7/8"	8 1/2"	112"	175 SX Black C
11 7/8"	8 1/2"	112"	175 SX Black H

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

Date of Test 1-28-76
 Length of Test 21
 Actual Prod. During Test 91
 Date of Test 1-28-76
 Length of Test 300
 Actual Prod. During Test 91
 Flowing Pressure (psi) 140
 Shut-In Pressure (psi) 140

GAN WELL

Actual Prod. Test (M. C. F.)
 Length of Test
 Flowing Pressure (psi) 140
 Shut-In Pressure (psi) 140

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Russell Anderson
 (Signature)
 Vice President
 1-29-76
 (Date)

OIL CONSERVATION COMMISSION

APPROVED
 BY W. A. L. Smith
 TITLE SUPERVISOR, DISTRICT II

This form is to be filed in compliance with RULE 110a.
 If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.
 All sections of this form must be filled out completely for allowable on new and recompleted wells.
 Fill out only Sections I, II, III, and VI for change of owner, well name or number, or transporter, or other such change of condition.
 Separate Forms C-104 must be filed for each well in multiple completed wells.

EDDY COUNTY

NEW MEXICO

WILDCAT

Well: BLACK RIVER CORP. 3 Federal "BR"

Result: OIL WFD

Locn: 6 mi S & 8 mi W/White City, 330' FSL 330' FWL Sec 33-255-24E

Spud: 1-6-76; Comp: 1-29-76; Elev: 3802' grd; TD: 6205' Canyon

Casing: 9 5/8" 620' 7250 sv. 4 1/2" 6205' 175 sv

Prod Zone: (Canyon) T/Pay 5927'. prod thru perts 5927-39'

IP: 102 BOPD, 1/4" ch, GOR 1372-1, Grav 42, TP 3000

Comp Info: DST (Canyon) 5920-70', op 3 hrs 15 min, GTS 4 min @ TSTM, rec 255'

HOC CM C 200' MCO C 5' oil, 2 hr ISIP 2464#, FP 79-132#, 3 hr FSIP 2477#, HP

2765-2765#, BHT 132 deg; DST (Canyon) 6167-6205', op 2 hrs 45 min, GTS 3 min

w/ 194 MCF/GPD, decr to 660 MCF/GPD, decr to TSTM, rec 270' Cond CM C 5190'

GCW, 3 hr ISIP 2582#, FP 975-2386#, 3 hr 30 min FSIP 2543#, HP 2973-2973#,

BHT 136 deg; Perf (Canyon) 5927-39' w/3 SPF; A/1500 gal; C/Capitan Drig.

Togr. (EL) Delaware 550', Bone Spring 3625', Third Bone Spring Sd 5432', Penn 5620',

Canyon 5825', Canyon Carbonate 5900'

API No.: 30-015-21706

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REPRODUCTION PROHIBITED

Petroleum Information

A Division of A.T. Jones Company

Date: 2-11-76 Card No.: 10 rm

FLUID SAMPLE DATA				Date 1-23-76		Ticket Number 774391	
Sampler Pressure _____ PSIG at Surface				Kind of Job OPEN HOLE		Halliburton District ARTESIA	
Recovery: Cu. Ft. Gas _____				Tester MR. MURDOCK		Witness MR. MILLER	
cc. Oil _____				Drilling Contractor CAPITAN DRILLING COMPANY DR S			
cc. Water _____				EQUIPMENT & HOLE DATA			
cc. Mud _____				Formation Tested Canyon			
Tot. Liquid cc _____				Elevation 3813' RT			
Gravity _____ ° API @ _____ °F		cu. ft./bbl _____		Net Productive Interval 25'			
Gas/Oil Ratio _____		RESISTIVITY _____		All Depths Measured From 12' Above ground level			
		CINCHDRIDE CONTENT _____		Total Depth 6205'			
Recovery Water _____		ppm _____		Main Hole/Casing Size 7 7/8"			
Recovery Mud _____		ppm _____		Drill Collar Length 565' ID 2.25"			
Recovery Mud Filtrate _____		ppm _____		Drill Pipe Length 5570' ID _____			
Mud Pit Sample _____		ppm _____		Packer Depth(s) 6161-6167'			
Mud Pit Sample Filtrate _____		ppm _____		Depth Tester Valve 6140'			
Mud Weight 8.7		vis 38 cp					
TYPE		AMOUNT		Depth Back Pres. Valve		Surface Choke 1" Adj.	
Cushion						Bottom Choke .75"	
Recovered 270		Feet of distillate cut mud					
Recovered 5180		Feet of water					
Recovered _____		Feet of _____					
Recovered _____		Feet of _____					
Recovered _____		Feet of _____					
Remarks SEE PRODUCTION TEST DATA SHEET							
CTE-CHART TIME EXPIRED							
TEMPERATURE		Gauge No. 512		Gauge No. 113		Gauge No. _____	
		Depth 6145'		Depth 6201'		Depth _____'	
		12 Hour Clock		24 Hour Clock		Hour Clock	
Est _____ °F		Blanked Off NO		Blanked Off YES		Blanked Off _____	
Actual 136 °F		Pressures		Pressures		Pressures	
		Field Office		Field Office		Field Office	
Initial Hydrostatic		2953 2962		2973 2990			
Flow Initial		459 554		556 592			
Flow Final		919 964		975 992			
Closed in		2556 2566		2582 2586			
Flow Initial		919 963		975 1003			
Flow Final		2371 2356		2386 2384			
Closed in		2504 2511		2543 2544			
Flow Initial							
Flow Final							
Closed in							
Final Hydrostatic		CTE		2973 2990			

FORMATION TEST DATA

B. R. FEDERAL

3

2

6167-6205'

BLACK RIVER CORPORATION

33-255-24E

WASHINGTON RANCH

EDDY

NEW MEXICO

Form 9-211
(3-77) 17001

UNITED STATES NM OIL CONS. COMMISSION
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Artesia, NM 88210

Form approved
Budget Number No. 45-11021
5. FUND OR LEASE NAME

NM-0525452-A

6. IF INDIAN, ALLOTTEE OR TRUST NAME

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 "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Alpha Twenty-One Production Company

3. ADDRESS OF OPERATOR

2100 First National Bank Building, Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any state requirements.
See also space 17 below.)
At surface

2121' FNL and 1650' FWL

16. PERMIT NO.

3734 Ground Level

7. LEASE AGREEMENT NAME

8. FARM OR LEASE NAME

Cities 3 Federal

9. WELL NO.

3

10. FIELD AND POOL, OR WILDCAT

Washington Ranch-Delaware

11. SEC. T. R. M. OR BLM, AND
SUSSET OR AGRA

Section 3, T26S, R24E

12. COUNTY OR PARISH; 13. STATE

Eddy

New Mexico

18. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETS

ABANDON

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT

(Note: Report results of multiple completion on Well
Completion or Resumption Report and Log form.)

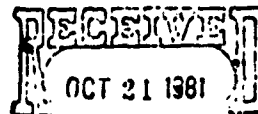
17. DESCRIBE PREVIOUS OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to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

We Plugged and Abandoned this well using the following procedure:

Set a CIBP at 1300' and dumped 35' of cement on top.
Perforated at 675' and squeezed with 100 sacks of cement. Cement circulated.
Placed 15 sacks cement plug at the surface.
Erected monument at wellsite.
Work accomplished September 29, 1981.

(USGS Rep. Bert Jones was on location)

We will notify USGS when location is cleaned and ready for inspection.



ON A GAS
U.S. GEOLOGICAL SURVEY
ROSWEIL, NEW MEXICO

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

SIGNED

Tommy Phillips

TITLE Executive Vice President

DATE October 19, 1981

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*See Instructions on Reverse Side

Form 9-511
(May 1968)

NEW OIL CONS. COMMISSION
Permit No.
ARTS UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PERMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved
Budget Bureau No. 42 B1424

1. ISSUE IDENTIFICATION AND SERIAL NO.
NM-0525452-A

2. IS ISSUED, ATTACHED OR TRIPLE NAME

3. CITY AND COUNTY NAME

4. FARM OR TRACT NAME

Cities 3 Federal

5. WELL NO.

3

10. FIELD AND PROD. OR WILDCAT

Washington Ranch - Delaware

11. ACCT. T. & M. OR A.P. AND
OF A.P. OR P.A.P. AND
OF A.P. OR P.A.P. AND

Sec. 3, T26S, R24E

12. COUNTY OR PARISH 13. STATE

Eddy

New Mexico

14. PERMIT NO.

15. DISTANCE (Show whether at, on, or, etc.)

3734 Ground Level

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER RIL-UP

PUMP OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRAC-TURE TREAT

MULTIPLE COMPLETION

FRAC-TURE TREATMENT

ALTERING CASING

SHUT-IN OR OTHER

ABANDON

SHUTTING OR ACTIVATING

ABANDONMENT

REPAIR WELL

CHANGE PLANS

(Other)

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log Form.)

17. DESCRIBE PROPOSED OR ANTICIPATED OPERATIONS (Fully state all pertinent details and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface headings and measured and true vertical depths for all markers and some port) sent to this work.

Formerly Black River Cont.

We propose to Plug and Abandon this well using the following procedure:

- Set a CIBP at 1300' and dump 35' of cement on top.
- Place 15 sacks cement plug at the surface.
- Erect monument at wellsite.

(Estimate that top of cement on production string is above shoe of surface string)

** Determine that cement is above 7 5/8" casing shoe.

RECEIVED
SEP 20 1981

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

SIGNED

[Signature]

TITLE Executive Vice President

DATE September 18, 1981

(This space for Federal use)

APPROVED
(Off. Sig.) PETER W. CHESTER

TITLE

DATE

CONDITION OF APPROVAL, IF ANY:

SEP 24 1981

FOR

JAMES A. GILHAM *See Instructions on Reverse Side
DISTRICT SUPERVISOR

Form 9-111
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PERMIT IN TRIPLICATE
(Other instructions on re-
verse side)

Form approved
Budget Bureau No. 49-B1626
1. LEASE DESCRIPTION AND SERIAL NO.

NM-0525452-A

2. IF FEDERAL, CLASSIFY BY FUND CODE

SUNDRY NOTICES AND REPORTS ON WELLS

(Use this form for proposals to drill or to deepen or plug back to a different formation
the "APPLICATION FOR PERMIT" for work proposals.)

1. OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER <input type="checkbox"/>	2. NAME OF OPERATOR Alpha Twenty-One Production Company	3. ADDRESS OF OPERATOR 2100 First National Bank Bldg. - Midland, Texas 79701	4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 2121' FNL and 1650' FWL, Section 3	5. OFF OTHER WELLS IN AREA	6. NAME OF LEASE NAME Cities 3 Federal	7. WELL NO. #3	8. FIELD AND PHASE, OR WILDCAT Wildcat	9. SEC., T., R., W., OR BLM. AND DISTRICT OR AREA Sec. 3, T-26-S, R-24-E	10. PERMIT NO.	11. ELEVATIONS (Show whether OF, TO, OR, etc.) 3741 KB 3734 GR	12. COUNTY OR PARISH Eddy	13. STATE New Mexico
--	--	---	--	----------------------------	---	-------------------	---	--	----------------	---	------------------------------	-------------------------

14. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data			
NATURE OF INTERVENTION TO:		SUBSEQUENT REPORT OF:	
STOP WATER UNIT OFF	PLUG OR ALTER Casing	WATER UNIT OFF	REPAIRING WELL
FRACURE TEST	MULTIPLE COMPLETION	FRACURE TREATMENT	ALTERING Casing
ABANDON OR WIDEN	ABANDON	REINFORCING OR ALTERING	ABANDONMENT
REPAIR WELL	CHANGE PLANN	OTHER	
(Other) Extension	X		

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all points of 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 show well logs to this work.)

Alpha Twenty-One Production Co. is in the process of aiding El Paso Natural Gas Co. in the acquisition of the Washington Ranch Morrow field to be used for a gas storage reservoir. The Cities 3 Federal #3 well is completed in a shallower horizon (Delaware Formation). The projected completion date for this project at this time is July or August of this year. The Cities 3 Federal #3 had good shows of oil and gas in the core analysis however completion resulted in a large amount of water. Before we P&A this hole we would like to take a good look at other possible completion techniques that could be used.

With the current gas storage project on this property and our desire to try to complete a commercial well at this location we respectfully request that an extension of time be granted to September 30, 1981 in which to put well to beneficial use of plug and abandon.

18. I hereby certify that (Signature) _____		TITLE: U.P.	DATE: 2-25-81
(This space for Federal or State office use)			
APPROVED BY _____		APPROVED	
CONDITIONS OF APPROVAL, IF ANY:		FEB 26 1981	

*See Instructions on Reverse Side

DISTRICT SUPERVISOR

1. 1990 年 12 月 1 日
 2. 1990 年 12 月 1 日
 3. 1990 年 12 月 1 日

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to design or plan work in a different country.
Use "AFFIDAVIT FOR DRILL" for such proposals.

1. WELL <input checked="" type="checkbox"/> OR WITH <input type="checkbox"/> OTHER		2. UNIT AGREEMENT NAME	
3. NAME OF OPERATOR Alpha Twenty-One Production Company		4. PARTIAL TRACT NAME Cities 3 Federal	
5. ADDRESS OF OPERATOR 2100 First National Bank Bldg. - Midland, Texas. 79701		6. WELL NO. #3 /	
7. LOCATION OF WELL (Report location clearly, and in accordance with AM State requirements. See also space 17 below.) At surface		8. FILLING AND FUEL, OR WELL AT Wildcat	
9. 2121' FNL and 1980' PNL, Section 3		10. SPEC. V. R. NO. OR REG. AND SERIAL OR AREA	
11. 2121' FNL and 1980' PNL, Section 3		12. Sec. 3, T-26-N, R-24-E	
13. PERMIT NO.		14. 3471 KB 3734 GR	
15. 3471 KB 3734 GR		16. EDDY OR FILLING 17. TRACT Eddy New Mexico	

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		ABANDONMENT REPORT OF:	
TEST WATER SHUT-OFF	PULL OR ALTER Casing	WATER SHUT-OFF	REPAIRING WELL
FRAC-TURE TEST	MULTIPLE COMPLETE	FRAC-TURE TEST/TREAT	ALTERING CASING
SHOOT OR ACIDIFY	ABANDON*	SHOOTING OR ACIDIFYING	ABANDONMENTS*
REPAIR WELL	CHANGE PLUMB		

(Other) Temporary Abandonment

(NOTE: Report results of multiple completion on Well Completion or Reservoir Report and Log form.)

17. In the progress report on operations clearly state all pertinent details, and give pertinent dates, including estimated date of starting and proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and cover pertinent to this work.)

We respectfully request approval to continue the Temporary Abandonment status of this well. We have a new engineer that needs additional time to evaluate this well.

Put well to beneficial use or place
before March 1, 1914 pursuant to
20 U.S.C. 221, 224.

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

SIGNED: Ernie Fowler TITLE: Vice President DATE: 11-19-60

(This space for Federal or State office use)

APPROVED BY _____ TITLE: _____ DATE: _____

CONDITIONS OF APPROVAL, IF ANY: _____

***See Instructions on Reverse Side**

N. M. D. C. G. COPY

Form 5-72
(Rev. 5-65)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other in-
structions on
reverse side)

Form approved
by the Bureau, No. 42-21113

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1. TYPE OF WELL: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> HOT <input type="checkbox"/> OTHER <input type="checkbox"/>		2. LEASE DESIGNATION AND SERIAL NO.	
3. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> REPAIR <input type="checkbox"/> REPERF <input type="checkbox"/> PERM <input type="checkbox"/> REPERM <input type="checkbox"/> OTHER <input type="checkbox"/>		4. IF OTHER, ALIQUOT OR THIRD NAME	
5. NAME OF OPERATOR Black River Corporation		6. WELL IDENTIFICATION NAME	
7. ADDRESS OF OPERATOR 620 Commercial Bank Tower, Midland, Texas 79701		7. NAME OF LEASE NAME Citizen 3 Federal	
8. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 2121' FNL & 1980' FNL, Section 3 At top prod. interval reported below 165' ft. At total depth		8. FIELD AND NAME OF WILDCAT Wildcat	
9. PERMIT NO.		9. SEC. 3, T26S, R24E	
10. DATE SPUDDED 8/1/72		10. DATE Y.N. REACHED 8/22/72	
11. DATE COMPL. (Ready to prod.) 8/25/72		11. SURFACER (DP, BR, ST, CR, ETC.) 3741KB, 3734GR.	
12. TOTAL DEPTH, MD & TVD 1444		12. PERM. BACK Y.N. MD & TVD 1417	
13. IS MULTIPLE COMPLETION? NO		13. INTERVALS X	
14. PRODUCING INTERVAL(S) OF THIS COMPLETION: TOP, BOTTOM, NAME (MD AND TVD) Delaware 1354-1364		14. HAS THIS WELL BEEN No	
15. TYPE ELECTRIC AND OTHER LOGS RUN BHC CR-Sonic		15. WAS WELL CURED Yes	
16. CARING RECORD (Report all strings set in well)			
CARING SIZE	WEIGHT, LB/FT.	DEPTH SET (MD)	DEPTH SET (TVD)
7-5/8	24	657	350
4-1/2	9.5	1444	150
17. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	PAVING (MD)
18. TUBING RECORD			
SIZE	DEPTH SET (MD)	PAVING SET (MD)	
2-3/8	1361		
19. PERFORATION RECORD (Interval, size and number)			
1354-56	12 holes .45 dia.	20. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
1358-64		21. AMOUNT AND KIND OF MATERIAL USED	
		250 gal. mud acid	
		5000 gal. 6500# sand	
22. PRODUCTION			
DATE FIRST PRODUCTION 8/27/72	PRODUCTION METHOD (Flowing, gas lift, pumping—also and type of pump) Pumping	WELL STATUS (Producing or shut in) S.I.	
DATE OF TEST 8/31/72	HOURS TESTED 24	CHARGE SIZE 2"	PROD. FOR TEST PERIOD 2
FLOWING PRESSURE 20	CARING PRESSURE 20	WATER - GPM 72	WATER - GPM 72
23. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented			
24. LIST OF ATTACHMENTS			
25. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED: J. C. Berry		AGENT: 1/29/73	

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

N. M. O. C. C. COPY

Form 9-331
(May 1963)UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYPERMIT IN TRIPLICATE
(Other instructions on reverse side)Form approved
U.S. Bureau No. 48 91424

NM-0525452

A. IF OTHER, GIVE LOCATION OR TRAIL NAME

SUNDY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different formation.
Use "APPLICATION FOR PERMIT" for such proposals.)1. WELL
WELL ☒ GAS ☐ OTHER ☐

2. NAME OF OPERATOR

Black River Corporation

3. ADDRESS OF OPERATOR

620 Commercial Bank Tower, Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

See also page 13 below
At surface 2121' FWL & 1980' FWL of Section 3

16.50/4

14. PERMIT NO.

15. SURVAYING (Show whether by, or, or, etc.)

3741 KB 3734 GR

6. FARM OR TRACT NAME

Cities 3 Federal

7. WELL NO.

3

10. PIPE OR Casing, or other

Wildcat

11. WELL, T.O.W., or NAME, and

S. SURVAY OR AREA

Sec. 3, T26S, R24E

12. COUNTY OR PARISH, or STATE

Eddy New Mexico

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTES OF INTENTION TO:

SUBSEQUENT REPORT UP:

TEST WATER SHUT-OFF

PUMP OR ALTER Casing

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TEST

MULTIPLE COMPLETE

FRACTURE TREATMENT X

ALTERING Casing

SHUT-IN OR ACIDIZING

ACIDIZING

SHUTTING IN ACIDIZING X

REINFORCEMENT

REPAIR WELL

CHANGE PLANS

(Include) Casing Operations

(Other)

(Note: Report results of multiple completion on Well Completion or Recommendation Report and Log form.)

17. DRILLING PROPOSED OR COMPLETED OPERATIONS (Include 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 sides (fill next to this work).)

The subject well was spudded at 9 a.m. 8/1/72. An eleven inch hole was drilled to 657' which was approximately 150' into the Delaware Formation. 20 joints of 7-5/8" 24#/ft casing was run to T.D. and cemented with 350 sx. cement. An estimated 30 sacks was circulated to the reserve pit. After W.O.C. 18 hours the casing was tested to 1000 psi and held OK. A 6-1/2" hole was drilled to 1335' at which coring was commenced to 1409'. Shows in the Delaware were found from 1350 to 1370 feet. The core hole was reamed to 6-1/2 and drilling continued to 1444' at which depth 4-1/2" 9.5#/ft. casing was run and cemented with 150 sx. expanding cement on August 22, 1972. The well was perforated from 1354-56 and 1358-64' with 2 jet shots per foot and acidized with 250 gal. mud acid. After swabbing the well was fractured with 5000 gal. & 6500# sand on August 25. Testing commenced.

RECEIVED

RECEIVED

JAN 31 1973

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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

SIGNED

J. T. Berg

Agent

DATE 1/29/73

(This space for Federal or State office use)

APPROVED
(If approval, if any)

TITLE

DATE

APPROVED
FEB - 1 1973
H. L. BECKMAN
ACTING DISTRICT ENGINEER

*See Instructions on Reverse Side

N. M. O. C. C. COPY

(10-7-72)

UNITED STATES
(Other Instructions on
reverse side)

Form 1-1000 No. 11022

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐2. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE BORE ☒ MULTIPLE BORE ☐3. NAME OF OPERATOR
Black River Corporation4. ADDRESS OF OPERATOR
620 Commercial Bank Tower Midland, Texas 79701

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface
2121' FNL & 1000' FWL of Sec. 3

At proposed grad. same

6. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
12 Miles SW of White's City7. DISTANCE FROM NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest d.c. unit line, if any)

660

8. NO. OF ACRES IN LEASE
+ 4009. NO. OF ACRES ADJACENT
TO THIS WELL
4010. DISTANCE FROM PROPOSED LOCATION
TO NEAREST WELL, DRILLING COMPLETED
OR APPLIED FOR, ON THIS LEASE, FT. 141 from Morrow11. PROPOSED DEPTH
2,00012. DEPTH OF CABLE - FEET
Rotary

13. ELEVATIONS (Show whether DP, RT, GN, etc.)

3725 GR est - to be corrected

14. APPROX. DATE WORK WILL START

July 15, 1972

22. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11	8-5/8	24	700	350 SK
7-7/8	4-1/2	9.5	TD	200 SK

It is proposed to drill the 11 inch hole to 750 feet which should be 200 feet into the Delaware formation at which time the 8-5/8 inch casing will be run and cement circulated. After WOC a minimum of 18 hours the casing will be tested to 1000 psi. If test OK, will drill with fresh water the 7-7/8 inch hole to approximately 1300 feet and then change over to a 8.6#/gal, 6.0 c.c. water loss mud system and drill to TD. A double ram BOP will be used during drilling operations. At total depth, if well test appear productive, the 4-1/2 inch casing will be run with cement sufficient to return to approximately 1000 feet from the surface.

R.C.C.

JUL 11 1972

D.C.C.

RECEIVED
JULY 1972
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

15. IF PROPOSED TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. IF PROPOSED TO DRILL OR DEEPEN DIRECTIONALLY, GIVE PERTINENT DATA ON SUBSURFACE LOCATIONS AND MEASURED AND TRUE VERTICAL DEPTHS. GIVE BLOWOUT PREVENTER SYSTEM, IF ANY.

SIGNED: J.T. Berry TITLE: Agent DATE: July 3, 1972
(This space for Federal - State and use)

APPROVED
JUL 11 1972
H. L. BEEKMAN
ACTING DISTRICT ENGINEER

16. PERMIT IS VALID FOR 12 MONTHS IF OPERATIONS COMMENCED WITHIN 6 MONTHS.
OCT 17 1972
*See Instructions On Reverse Side

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form 1-72
Supersede 6-1-70
116-1100-1-45

All distances must be from the outer boundaries of the

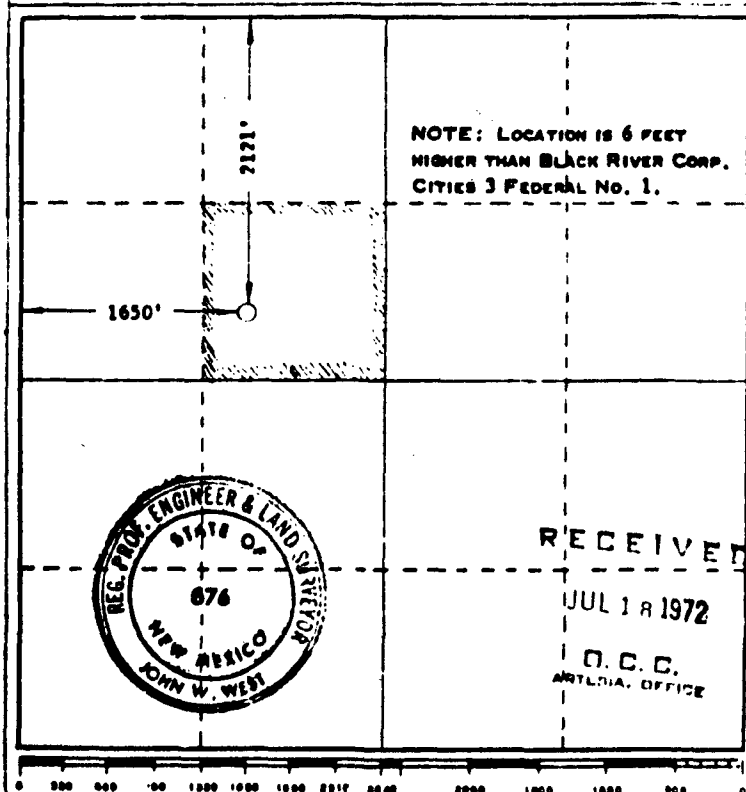
OWNER BLACK RIVER CORPORATION		LEASE CITIES 3 FEDERAL	
Tract Letter F	Section 3	Township 26 SOUTH	Range 26 EAST
Actual Well Location of Well: 2121 feet from the NORTH line and 1650 feet from the WEST line.			
Ground Level Elev. DELAVARE	Producing Formation WILDCAT	Estimated Acreage 34.73 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or ballpoint marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, forced-pooling, etc?

☐ Yes ☐ No If answer is "yes" type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated (if on reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
By	JOHN W. WEST
Agent	AGENT
For	BLACK RIVER CORPORATION
Date	JULY 14, 1972
I hereby certify that the well location shown on this plat was plotted from field notes of actual survey, or from notes under my supervision, and that the same is true and correct to the best of my knowledge.	
RECEIVED JUL 17 1972 U.S. GEOLOGICAL SURVEY ARTESIA, NEW MEXICO	
Date	JULY 14, 1972
Registered Professional Engineer and Land Surveyor	
JOHN W. WEST	
Plate No.	676

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-122
Supersedes O-120
Effective 1-1-67

All distances must be from the outer boundaries of the Section

Black River Corporation		Citica Petroleum Federal		Well No. 3
Tract Letter	Section	Township	Range	County
	3	T26S	24E	Eddy
Actual Location of Well:				
Ground level Elev.	Feet from the West	Time and	Survey North	of Sec 3
3725 Est	Delaware	2121.1	Waldcat	40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

2. If more than one lease is dedicated to the well, outline each and indicate ownership (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes" type of consolidation _____

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

Surveyor's Plat to follow

Black River Corporation 0525452			
0			
US			
26	24		

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

J. T. BERRY
J. T. BERRY
Agent

Company
Black River Corporation

Date
July 5, 1972

I hereby certify that the well location shown on this plat was plotted on field notes **RECEIVED** under my supervision, and that the same is true and **JULY 10 1972** of my knowledge and belief.

**U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO**

(Note Surveyor)

Registered Professional Engineer
and/or Land Surveyor

Certificate No.

0 200 400 600 800 1000 1200 1400 1600 1800 2000 2200 2400 2600 2800 3000 3200 3400 3600 3800 4000

EDDY
BLACK RIVER CORP.

Wildcat NM Sec 3, T26S, R24E
3 Cities "3" Federal Page #2


8-29-72 Continued
Subd dry (1354-64')
Acid (1354-64') 1000 gals
Subd Id, h/k sulf wtr & show gas (1354-64')
9-5-72 TD 1445'; PBD 1444'; TO Pmp
9-12-72 TD 1445'; PBD 1444'; TO Pmp
Ppd 4 BO + 96 BW in 24 hrs (1354-64')
9-18-72 TD 1445'; PBD 1444'; TO Pmp
Ppd 2 BO + 80 BW in 24 hrs (1354-64')
9-25-72 TD 1445'; PBD 1444'; TO Pmp
Ppd 1 1/2 BO + 77 BW in 24 hrs (1354-64')
10-2-72 TD 1445'; PBD 1444'; TO Pmp
Ppd 2.5 BO + 78 BW in 24 hrs (1354-64')
10-9-72 TD 1445'; PBD 1444'; Changing Pmp
10-17-72 TD 1445'; PBD 1444'; TO Pmp

10-17-72 Continued
Ppd 2 BO + 73 BW in 24 hrs
10-23-72 TD 1445'; PBD 1444'; TO Pmp
Ppd 1 to 2 1/2 BO + 70 to 73 BW in 24 hrs
10-30-72 TD 1445'; PBD 1444'; TO Pmp
Ppd 1 to 2 BO + 60 to 64 BOPI (1354-64')
11-6-72 TD 1445'; PBD 1444'; TO Pmp
Ppd 1 to 1 1/2 BO + 70 BW in 24 hrs (1354-64')
11-13-72 TD 1445'; PBD 1444'; TO Pmp
12-18-72 TD 1445'; PBD 1444'; TO Pmp
2-19-73 TD 1445'; PBD 1444'; SI
2-26-73 TD 1445'; PBD 1444'; WO For (final)
Ppd 2 BO + 72 BW in 24 hrs
3-12-73 TD 1445'; PBD 1444'; COMPLETE
Delaware Sand Discovery
3-17-73 COMPLETE W REPORTED

EDDY COUNTY NEW MEXICO WILDCAT
 Well: BLACK RIVER CORP, 3 Cities "3" Federal
 2121' FNL, 1650' FWL, Sec 3-26-S-24E
 Loc'n: Result: NEW OIL DISC
 WPD

Spud: 5-2-72; Comp: 8-31-72; Elev: 3734' C.J., 3741' KB; ID: 1445'; PBI 1444'
 Casing: 7-5/8" 657/325 sx; 4-1/2" 1444/150 sx
 Prod: (Dela), T/Pay 1354', Prod thru Perfs 1354-64'
 IPI: 2 BOPD @ 72 BW, Grav 32, GOR TSTM
 Comp. Inf: Crd 1335-50', rec 15' no desc; Crd 1350-70', rec 20' no desc; DST 1338-70'
 op 3 hr 20 mins, rec 381' OCDM, 380' WCM; Crd 1370-90', rec 20' no desc; Crd
 1390-1409', rec 19' no desc; Perf 1354-56, 1358-64', A/250 gals; S/dry; A/1000 gals
 S/load, blk sulf wtr & show gas; P/4 BO @ 96 BW/24 hrs; P/2.5 BO @ 78 BW/24 hrs;
 P/2 BO @ 72 BW/24 hrs; C/Blair
 Temp EL: Dela 1350'
 API No: 30-015-20710

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 REPRODUCTION PROHIBITED

 Petroleum Information
 CORPORATION
 A Subsidiary of I.T. Petro Corp.

Date: 3-21-73

Card No.: 4 dh

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

WM OIL CONS. COMMISSION
ARTABIA, NM 8P210

Form approved
Budget Bureau No. 42 R1426
5. LEASE IDENTIFICATION AND SERIAL NO.
NM-0525462-A
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SF

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different formation.
Use "APPLICATION FOR PERMIT" for such proposals.)

7. NEW AGREEMENT NAME
8. PARTY OR LEASE NAME
Citizen 3 Federal
9. WELL NO.
5
10. FIELD AND TOWN, OR WILDCAT
Washington Ranch-Delaware
11. SEC., T., R., OR BLK. AND
SUBST. OR AREA
Section 3, T26S, R24E
12. COUNTY OR PARISH
Eddy
13. STATE
New Mexico

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐
2. NAME OF OPERATOR
Alpha Twenty-one Production Company ✓
3. ADDRESS OF OPERATOR
2100 First National Bank Building
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface
660' FNL and 660' FWL
14. PERMIT NO.
15. ELEVATIONS (Show whether SP, ST, OR, etc.)
3750 Ground Level

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>
FRACURE TREAT	<input type="checkbox"/>	FRACURE TREATMENT	<input type="checkbox"/>
REPAIR OR REPERF	<input type="checkbox"/>	REPAIRING OR REPERF	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	REPAIRING WELL	<input checked="" type="checkbox"/>
OTHER	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
		ABANDONMENT	<input type="checkbox"/>

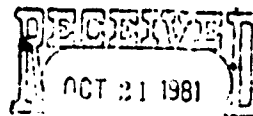
17. DESCRIBE THE WORK OR COMPLETION OPERATION, state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface conditions and measured and true vertical depths for all markers and zones pertinent to this work.

We Plugged and Abandoned this well using the following procedure:

Set CIBP at 1400' and dumped 35' of cement on top.
Perforated at 590' and squeezed with 100 sacks cement. Cement Circulated.
We left 4 1/2" casing full of cement from surface to 590'.
Erected monument at wellsite.
Work accomplished October 1, 1981.

(No USGS Rep. on location but verbal approval was received from Bert Jones)

USGS will be notified when location is cleaned and ready for inspection.



U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

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

SIGNED: *[Signature]*
TITLE: Executive Vice President
DATE: October 19, 1981
APPROVED BY: *[Signature]*
TITLE: *[Signature]*
DATE: *[Signature]*

MAR 11 1982
FOR
JAMES A. GILLHAM
DISTRICT SUPERVISOR

*See Instructions on Reverse Side

Form G-311
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

NM OIL CONS. COMMISSION
ARTICULATE IN THE STATE OF NEW MEXICO
Roswell, NM 88210

Form approved
Revised August No. 65 11120
5. LEASE REGISTRATION AND SERIAL NO.
NM-0525462-A

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back in a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

RECEIVED

1. NAME OF OPERATOR Alpha Twenty-One Production Company /	2. UNIT AGREEMENT NAME Cities 3 Federal
3. ADDRESS OF OPERATOR 2100 First National Bank Building, Roswell, NM 88210	4. WELL NO. 5
5. LOCATION OF WELL (Report location clearly and in detail, and with any State requirements. See also space 17 below.) 660' FNL and 660' FWL	6. FIELD AND POOL, OR WILDCAT Washington Ranch-Delaware
7. PERMIT NO.	8. SEC., T., R., W., OR S.E. AND CORNER OR AREA Section 3, T26S, R24E
9. ELEVATIONS (Show whether of, on, or over) 3750 Ground Level	10. COUNTY OR PARISH Eddy
	11. STATE New Mexico

10. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACURE TREAT

SHOOT OR ACIDISE

REPAIR WELL

(Other)

PLUG OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACURE TREATMENT

SHOOTING OR ACIDISING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. Describe in detail any 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.)

We Plugged and Abandoned this well using the following procedure:

Set CIBP at 1400' and dumped 35' of cement on top.
Perforated at 590' and squeezed with 100 sacks cement. Cement Circulated.
We left 4 1/2" casing full of cement from surface to 590'.
Erected monument at wellsite.
Work accomplished October 1, 1981.

(No USGS Rep. on location but verbal approval was received from Bert Jones)

USGS will be notified when location is cleaned and ready for inspection.

RECEIVED
OCT 21 1981

OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

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

SIGNED

Tommy Shipp

(This space for signature of State (see use))

TITLE Executive Vice President

DATE October 19, 1981

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*See Instructions on Reverse Side

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

NM OIL CONS. COMMISSION

Draper DD

Artesian Well

Artesian Well

Artesian Well

Form approved
Budget Bureau No. 62 R1626

LEASE DESIGNATION AND SERIAL NO.

NM-0525452-A

IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different contour.
Use "APPLICATION FOR PERMIT" for such proposals.)

1. NAME OF OPERATOR
Alpha Twenty-One Production Company
2. ADDRESS OF OPERATOR
2100 First National Bank Building, Midland, Texas 79701
3. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 15 below.)
At surface:
660' FNL and 660' FWL
14. PERMIT NO.
15. ELEVATIONS (Show whether OF, ON, OR, etc.)
3750 Ground Level

7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Cities 3 Federal
9. WELL NO.
5
10. DESIGN AND POINT, OR WILDCAT
Washington Ranch - Delaware
11. SEC., T., R., OR S.E., AND
OR SURVEY OR AREA
Sec. 3, T26S, R24E
12. COUNTY OR PARISH
Eddy
13. STATE
New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	WELL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL
FRAC TREATMENT	MULTIPLE COMPLETE	FRAC TREATMENT	ALTERING CASING
SHUT-IN OR OTHER	ABANDON*	SHUT-IN OR OTHER	ABANDONMENT*
REPAIR WELL	CHANGE PLANS	(Other)	(Other)

(Note: Report results of multiple completion on Well Completion or Noncompletion Report and Log form.)

17. DESCRIBE CHANGES OR COMPLETION 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 sidetrack well to this work.)

Formerly Black River Corp.
We propose to Plug and Abandon this well using the following procedure:
Set CIBP at 1400' and dump 35' of cement on top.
Place 15 sacks cement plug at the surface.
Erect monument at wellsite.

(Temperature survey shows top of cement on production string at 640')

**Perforate 75 ft. below surface casing shoe and squeeze with 100 sacks of cement.

RECEIVED
SEP 21 1981
U.S. GEOLOGICAL SURVEY
NEW MEXICO

RECEIVED
SEP 22 1981
U.S. GEOLOGICAL SURVEY
NEW MEXICO

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

SIGNED: *Tommy Phillips* TITLE: Executive Vice President DATE: September 18, 1981
(This space for Signature of Operator)
APPROVED BY: *PETER W. CHESTER* TITLE: DATE:
CONDITIONS OF APPROVAL, IF ANY:
SEP 24 1981
FOR JAMES A. GILLHAM DISTRICT SUPERVISOR
*See Instructions on Reverse Side

Form 9-811
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PERMIT IN TRIPLICATE
other instructions on re-
verse side

Form approved
Budget No. 02 R1424

U.S. GEOLOGICAL SURVEY

WM-0525452-A

U.S. INDIAN, ALUTIAN OR TRIBE NAME

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 "APPLICATION FOR PERMIT" for such proposals.)

1. NAME OF OPERATOR
Alpha Twenty-One Production Company
2. ADDRESS OF OPERATOR
2100 First National Bank Bldg. - Midland, Texas 79701
3. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface
660' FNL 660' FWL, Section 3

14. PERMIT NO.

Approved 4/10/75

15. DEVIATIONS (Indicate whether Dr., RT, or, etc.)

3750.3 CR

12. COUNTY OR PARISH

Eddy

13. STATE

New Mexico

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACURE TREAT

REPAIR OR ABANDON

REPAIR WELL

(Other) Extension

PILL OR ALTER CASING

MULTIPLE COMPLETION

GRABBLE

CHANGE PLANS

X

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACURE TREATMENT

REPAIRING OR ABANDONING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT

(NOTE: Report results of multiple completion on Well Completion or Resumption Report and Log form.)

17. IN WRITING, 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 subsurface points in this work.

Alpha Twenty-One Production Co. is in the process of aiding El Paso Natural Gas Company in the acquisition of the Washington Ranch Morrow field to be used for a gas storage reservoir. The Cities 3 Federal #5 is completed in a shallower horizon (Delaware formation). The projected completion date for this project at this time is July or August of this year. The Cities 3 Federal #5 had shows of oil in the core analysis however completion resulted in a small amount of gas with water. Before we P&A this hole we would like to take a good look at other possible completion techniques that could be used.

With the current gas storage project on this property and our desire to try to complete a commercial well at this location, we respectfully request that an extension of time be granted to September 30, 1981 in which to put this well to beneficial use or plug and abandon.

RECEIVED
MAR 03 1981
U.S. GEOLOGICAL SURVEY
NATURAL GAS DIVISION

U.S. GEOLOGICAL SURVEY
NATURAL GAS DIVISION

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

SIGNED

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

TITLE

DATE

APPROVED

FEB 26 1981

DISTRICT SUPERVISOR

*See Instructions on Reverse Side

Form 9-33
(May 1967)

N.M.O.C.D. COPY
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PERMIT IN TRIPLICATE
Submit in triplicate
one to the Bureau, one to
the State Office, and one to
the field office.

Form approved
Budget Bureau No. 02-10421

PLEASE PRINT NAME AND ADDRESS OF

FM - 0525442-A

IS INDIAN, ALIEN, OR TRUST LAND

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposal to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL ☐ GAS ☐ OTHER ☒ 30

2. NAME OF OPERATOR
Alpha Twenty-One Production Company /

3. ADDRESS OF OPERATOR
2100 First National Bank Bldg. - Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surf. w
660' FNL 660' FWL Section 3

14. PERMIT NO.
Approved 4/10/75

15. DEVIATIONS (Show whether dr, dt, or, etc.)
3750.3 GR

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Cities 3 Federal

9. WELL NO.
#5 L

10. FIELD AND NAME, OR NEAREST
Washington Ranch-Delaware

11. ACQ. T. S. W. OR OIL. AND
COUNTRY OR AREA

Sec. 3 T-26S, R-24-E
12. COUNTY OR PARISH 13. STATE
Eddy New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

REASON OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other) Temporary Abandonment

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANE

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATION CLEARLY state all pertinent details, and give pertinent dates, including estimated date of starting and proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all sections and curves pertinent to this work.*

We respectfully request approval to continue the Temporary Abandonment status of this well. We have a new engineer that needs additional time to evaluate this well.

Put well to beneficial use or plug
before March 1, 1981 pursuant to
30 CFR 221.34.

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

SIGNED Ronnie Shewder

TITLE Vice President

DATE 11-19-80

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*See Instructions on Reverse Side

Form 5-71
(5/64) 10011

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PERMIT TO DRILL FOR
OTHER THAN PETROLEUM
OR GAS

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for reports on wells drilled for different purposes
than those specified on the permit for such purposes)

1. ☐ OIL
☐ WELL ☒ WATER ☐ OTHER

2. NAME OF OPERATOR
Black River Corporation

3. ADDRESS OF OPERATOR
620 Commercial Bank Tower, El Paso, Texas 79901

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

660' EBL - 660' IWL Section 3

14. PERMIT NO.
Approved 1-10-76

15. ELEVATION (Show whether M, FT, OR, etc.)
3750.3 OR

1. NAME OF WELL (If any)

2. NAME OF LEASE (If any)
Gation 3 Federal

3. WELL NO.
5

10. TOWN AND RANGE OR NEAREST
Settlement (If any) Belowground

11. COUNTY, RANGE, TOWNSHIP AND
SECTION OR AREA
Sec. 3, T-26-N, R-24-E

12. COUNTY OR PARISH, STATE
El Paso New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TAKE WATER SHUT OFF	<input type="checkbox"/>	WATER SHUT OFF	<input type="checkbox"/>
FRAC TURE TREAT	<input type="checkbox"/>	FRAC TURE TREATMENT	<input type="checkbox"/>
SHUT IN / SHUT OFF	<input type="checkbox"/>	SHUTTING IN / SHUTTING OFF	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
(OTHER)	<input type="checkbox"/>	ALTERING / CAVING	<input type="checkbox"/>
		RECONSTRUCTION*	<input type="checkbox"/>

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log Form)

17. IN WORKING PRODUCTION OR CONTINUING OPERATIONS (If only state all pertinent details, and give pertinent dates, including estimated date of starting and proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depth. For all meters and cones pertinent to this work.)

We respectfully request approval to temporarily abandon this well, as we are continuing to study our shallow drilling and completion program in this immediate area. We hope to have a decision in the near future to either complete work, at that time we will request that this well be reapproved for continued operations.

RECEIVED

MAR 09 1977

U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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

SIGNED: *Don M. Anderson* TITLE: Vice President DATE: 3-7-77

(This space for Federal or State Office use)

APPROVED BY: *Joe H. Lane* TITLE: ACTING DISTRICT ENGINEER DATE: APR 29 1977

CONDITIONS OF APPROVAL, IF ANY:

UNLESS FURTHER APPROVED, WELL MUST
BE PUT TO BENEFICIAL USE OR PLUGGED BY
APRIL 09 1977

*See Instructions on Reverse Side

Form 9-331
(May 1963)

N. M. O. C. COPY
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PERMIT IN TRIPLICATE
(Other Instructions on reverse side)

Form approved
Budget Number No. 45 B1434

5. LEASE DESIGNATION AND SERIAL NO.
12A-0925452A
6. IF INQUIRY, ATTACHED TO THIS NAME

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 "APPLICATION FOR PERMIT" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER	7. FIRST ASSIGNMENT NAME
2. NAME OF OPERATOR Black River Corporation	8. NAME OR TRADE NAME Citizen 3 Federal
3. ADDRESS OF OPERATOR 600 Commercial Bank Tower, Midland, Texas 79701	9. WELL NO. #5
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 660' FNL 660' FWL, Section 3	10. FIELD AND NAME, OR WELLNOY Washington Ranch-Idaho
11. PERMIT NO. Approved Jan, 10, 1975	11. SEC. T. R. S. OR OIL AND GAS ACT OF 1938 Sec. 3, T-26-S, R-24-E
12. ELEVATION (Show whether 20, 40, 60, etc.) 3750.3 GR	12. COUNTY OR PARISH Eddy
	13. STATE New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER BENT-UP	<input type="checkbox"/>	WATER BENT-UP	<input type="checkbox"/>
RE-TEST TEST	<input type="checkbox"/>	RE-TEST TEST	<input checked="" type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	SHOOTING OR ACIDIZING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	(Other)	<input type="checkbox"/>
(Other)	<input type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Resumption Report and Log form.)	<input type="checkbox"/>

17. DRAWING PROVIDED 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 reports:

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JUL 18 1975
U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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

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

APPROVED
JUL 18 1975
U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

*See Instructions on Reverse Side

BLACK RIVER CORPORATION
 Cities 3 Federal #5 Well
 Section 3: T-26-S, R-24-E
 660' FHL 660' FWL
 Wildcat
 Serial No. BM-0525452A
 Unit Letter "D"
 Eddy County, New Mexico

WELL REPORT:.....

March 4, 1975

Ran correlation log. Perforated interval 1686-1692' with 12 shots - 2 shots per ft. - .70 diameter. Bottom of tubing 1693. Swabbed dry. No gas. Shut in for build up. Prepare to treat.

March 5, 1975

Swabbed hole dry. Came out of hole with tubing. Picked up Dowell tension packer and ran in hole with one joint tail pipe below packer. Set bottom of tail pipe at 1700'. Ran swab once with very little fluid. Set packer. Rigged up Dowell acid truck and started acid job - 750 gallons 10% acid. Loaded tubing and started to break down at 1000# pressure - 1 barrel at 1/2 barrel per minute @ 1200# pump pressure. Final pump pressure 1400#. Instant shut-in pressure 1000#; 10 minute shut-in pressure 1000#. Recovered 5 barrels acid water. Rigged swab and ran 4 times, recovering approximately 1 barrel fluid. Total fluid recovered 12 barrels. Left well open overnight. Prepare to treat again.

March 6, 1975

Went in hole with swab. Found fluid level at 150' from the surface. Swabbed 4 times - very little input from formation. Last run with swab found tract of formation water, gasing slightly. Unseated tension packer. Laid down 99.5' tbg. and set packer. Bottom of tubing at 1600'. Rigged up Dowell pump truck. Used 1500 gallons easy flow acid. Formation took at approximately 3 barrels per minute at 1150# PSI. Established rate of injection and began dropping ball sealers - light ball action. Definite indication that four ball sealers took effect. Pressure rose gradually during treatment. Maximum pressure 1500# PSI. Average pressure 1300# PSI. Instant shut-in pressure 1000# - 10 minute shut-in pressure 950#. Flowed well back 20 minutes. Swabbed well down - input from formation slow. Recovered 22 barrels acid water and load. Left well open overnight.

March 7, 1975

Shut down

BLACK RIVER CORPORATION
Cities 3 Federal #5 Well
Section 3: T-20-G, R-24-E
660' FNL 660' FWL
Wildcat
Serial No. NM-0525452A
Unit Letter "D"
Eddy County, New Mexico

RECEIVED

WELL REPORT:.....

March 8, 1975

Swabbed well down. Pulled out 4' tbg. Bottom of tubing at 1600'. Ringed up Dowell-fractured well with 4000 gallons 3% acid, 2% KCL water. 4000# 20-40 sand-six 1" ball sealers. Job complete at 10 A.M. MST. Shut well in overnight.

March 9, 1975

Opened well to pits. Well flowed back 28 minutes and died. Started swabbing. Fluid input good. Flowed and swabbed back approximately 80 barrels - no trace of sand. Lost swab in hole. Shut down. 50 mile per hour wind. Prepare to recover swab.

March 10, 1975

Recovered 40 bbls. load fluid and 20 bbls. Delaware formation water. Prepare to run tracer survey.

March 11, 1975

Ran tracer survey - indicates that fluid went into the formation approximately 35' below perforation. Prepare to squeeze.

March 12, 1975

Squeeze job successful. Used 75 sacks cement. Pressured up to 1500# PSI and held. Prepare to drill out.

March 13, 1975

Drilled interval from 1608' to 1716' after squeeze job.

March 14, 1975

Jet perforated the interval 1688' to 1690' with 2 perforations per foot. Prepare to acidize and frac Monday.

BLACK RIVER CORPORATION
Citation 3 Federal #5 Well
Section 3: T-24-S, R-24-E
660' FNL 660' FWL
Wildcat
Serial No. BM-0525452A
Unit letter "D"
Eddy County, New Mexico

March 15, 1975

This A.M. Swabbed well dry - no noticeable fluid input. COOH. Rigged up Vann Tool Company and ran Gamma Ray from surface to 1780'. Located perforations with Gamma Ray. They were on zone. COOH with Vann Survey. Decided to frac well on Monday, March 17. Shut rig down and came to Carlsbad. Set up frnc with Dowell for Monday.

March 16, 1975

Shut down.

March 17, 1975

WIH with tubing. Ran 51 jts. tubing and one 4' sub. Bottom of tubing at 1696' - corrected measurement 2' above top perforation. First corrected to 1698' and 1700' steel line measurement. Fractured well with 750 gallons 15% acid, 1500 gallons 3% acid pad and 3500 gallons 3% acid with 5350 lbs. of 20-40 sand. Upon pressuring well with acid began feeding into well immediately. With injection rate of 1 bbl. per minute we had 1500# PSI. Formation broke - increased injection rate to 6 bbls. per minute at 2100 PSI. Put away acid and pad. Started sand at 3/4 lb. per gallon - increased to 1 lb. per gal. Pressure broke to 1600 PSI. Increased sand to 1 1/2 lb. per gal. In 5 minutes increased sand to 2 lbs. per gallon. At 200 lb. pressure increased to 1800 PSI. Formation broke slightly - pressure dropped to 1700 PSI. Put all sand away. Maximum pressure was 2100 PSI, average pressure 1700 PSI, final pressure 1400 PSI, and ISIP 1000 PSI. Ten minute shut in pressure was 900 PSI. Shut well in overnight. It was a good job.

March 18, 1975

Swabbed hole with 140 bbls. load and 8 bbls. formation water (black sulfur water).

BLACK RIVER CORPORATION
Cities 3 Federal #5 Well
Section 3: T-20-S, R-24-E
660' FHL 660' FWL
Wildcat
Serial No. NM-0525452A
Unit Letter "D"
Eddy County, New Mexico

RECEIVED

JUN 11 1975

U.S.G.
AMERICAN OIL FIELD

June 3, 1975

Rigged up Chase Unit and pulled rods and pump. C.O.O.H. with tubing (51 joints) 1692.07' plus SN. Picked up Lok Set Bridge Plug W.I.N. set plug @ 1560.26' - 47 joints. Pulled out 2 joints (66.70') bottom of tubing @ 1495' ±. Displaced hole - 16 barrels sulphur water in hole. Perforated intervals 1463-68', 1479-86' (2 shots per foot). Spotted acid 1495 - 1402. C.O.O.H. with tubing. Shut down to let acid soak overnight.

June 4, 1975

Picked up Tension Set Packer - WIH with same. Ran 41 joints tubing - set packer @ 1300. Swabbed hole dry. Rigged up Western & Nowaco. Acidized well with 1000 gallons 7 1/4% acid and 1000 SCF-N₂ per barrel of acid. Total 27,000 N₂. Spearheaded acid with 1000 SCF-N₂. Formation broke at 2500 PSI. Down to 2100 PSI after 8 barrels acid. Dropped 16 ball sealers. Good ball action. Pressured to 3000 PSI. Formation broke again down to 2200 PSI then dropped 10 ball sealers. Good ball action. Pressured to 3500 PSI - formation broke to 1800 PSI. Put acid away. Flushed with 3 barrels KCL water I.S.I.P. 1700 PSI - 5 minute 1200 PSI.

Minimum Pressure	400 PSI
Maximum Pressure	3500 PSI
Average Pressure	2500 PSI

Rate of Injection 3 barrels per minute - 3.7 SCF-N₂ per minute. Opened well on 3/4" choke - well flowed back 1 1/2 hours - returned 14 barrels of fluid - all acid water. Ran swab - 4 runs - well swabbed dry. Ran swab each 1/2 hour fluid recovered - acid - output slow - approximately 1 barrel per hour. Natural gas to surface. 3:00 P.M. MSL TWTM. Gas increasing slightly with each swabb run. Left well open overnight. Prepare to Frac.

June 5, 1975

This A.M. well flowing a little by small heads. Ran swab and recovered 700' acid water. Well swabbed dry. Tightened master valve. Cleaned paraffin off swab. Source of paraffin unknown. Ran swab to bottom and recovery nil. Rigged up Western & Nowaco. Frac with 11,420 gal. West Foam & 9600# 20-40 sand. 21 gallons additives. 14 ball sealers.

Minimum Pressure	2950 PSI
Maximum Pressure	3200 PSI
Average Pressure	3100 PSI

Injection rate 3.6 barrels per minute. Liquid 12.1 BWM N₂. ISIP - 1500 PSI. ten minute FSIP - 1350 PSI. Job went well - fine ball action. Left well shut in 1/2 hour. Opened on 1/2" choke - 1260 PSI. Well flowing back strongly with 2 hours pressure down to 300 PSI. turning into load water and no sand. 2 1/2 hours pressure @ surface nil. Well flowing by heads returning approximately 2 1/2 barrels per hour of load water. Left well open overnight to clean up.

Form 9-531
(May 1962)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

N. M. O. C. COPY

PERMIT IN THIS STATE
(Other instructions on reverse side)

Form approved
Budget No. 42 H1026
5. SPACE FOR STATE GEOLOGICAL SURVEY
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different stratum.
Use "APPLICATION FOR PERMIT" for such proposals.)

1. ☐ OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR
Black River Corporation

3. ADDRESS OF OPERATOR
620 Commercial Bank Tower, Midland, Texas 79701 U. C. C. ARIZONA, UTE

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface
660' FNL 660' FWL, Section 3

10. PERMIT NO.
Approved Jan. 10, 1975 3750.3 GH

11. ELEVATIONS (Show whether SP, ST, SN, etc.)

7. PERMIT NUMBER NAME

8. PART OF YEAR NAME
Cifer-J-Federal

9. WELL NO.
#5

10. FIELD AND POOL, OR WILDLAT
Washington Ranch-Belnaare

11. SURV. S. M. OR SLE. AND
OF SURV. OR AREA

12. COUNTY OR PARISH 13. STATE
Edly New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NATURE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT OFF	<input type="checkbox"/>	WATER SHUT OFF	<input type="checkbox"/>
FRACURE TREAT	<input type="checkbox"/>	FRACURE TREATMENT	<input type="checkbox"/>
SHUT IN OR ABANDON	<input type="checkbox"/>	SHUTTING OR ABANDONING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	(Other) Casing	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		

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.)

Subject well was spudded 11:15 A.M. on February 10, 1975. Drilled to 525' and then set 7" STC 70% casing at 510' on February 12, 1975. Cemented with Red Rock class "C" cement with good circulation. After W.O.C. 75 hours, then drilled to 1314'. Cored interval from 1314' to 1372'. Drilled from 1372' to 1484'. Cored interval from 1484' to total depth of 1987'. No analysis of the last 150' was run. Logged cored interval and logged well with Induction-Interlog, Midland, borehole compensated Sonic log. On February 27, 1975, 18 1/2" or 4" 10.5% new pipe was run. Eight centralizers were located from T.D. back to 1200'. Plugged back total depth to 1826.32'. Cementing went good and found top of cement at 660' from the surface. Prepare to perforate.

RECEIVED
MAR - 5 1975
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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

SIGNED Reynolds Morales TITLE Vice President DATE March 4, 1975

(This space for Federal or State office use)

APPROVED BY [Signature] TITLE [Blank] DATE [Blank]

COMPLETION OF APPROVAL, IF ANY:

MAR 5 1975
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

*See Instructions on Reverse Side

Form 9-531
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Use not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

1. ☐ OIL
☐ GAS
☒ WATER
☐ OTHER

2. NAME OF OPERATOR

Black River Corporation

3. ADDRESS OF OPERATOR

620 Commercial Bank Tower, Midland, Texas 79701

4. LOCATION OF WELL (Plot location clearly and in accordance with any State requirements.
See also space 12 below.)
At surface

660' PRO. 660' FWL, Section 2

11. PERMIT NO. Previously

Approved July 12, 1974

12. OPERATIONS (Show whether Dr, Rt, or, etc.)

Drill, 1/2" casing

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER RATES

FRACURE TEST

ABANDON OR ACQUIRE

REPAIR WELL

(Other)

PLUG OR ALTER CASING

MULTIPLE COMPLETION

ABANDON*

CHANGE PLAN

Reinstate Location (ACC)

X

SUBSEQUENT REPORT OF:

WATER RATES

FRACURE TEST

ABANDON OR ACQUIRE

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(Note: Report results of multiple completion on Well Completion Report Form Log Form.)

17. DESCRIBE THE WORK TO BE DONE IN CONNECTION WITH THIS NOTICE, REPORT, OR OTHER DATA. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting and proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all monitors and zones pertinent to this work.)

It is our intention to reinstate the application to drill on the above referenced location that was previously approved July 12, 1974. To propose to drill a 2" hole to approximately 500' at which time 7" casing will be run and cement circulated to surface. After 200' minimum, or 12 hours, the surface casing will be pressure tested to 1000 PSI. If test OK will drill a 4 1/2" hole with cement formation water to 714'. A double flow 200' 200' at 1 1/2' to 4 1/2' while drilling this interval. At total depth, if well appears productive, the 4 1/2" casing will be run with cement sufficient to return approximately 100 feet into the casing.

RECEIVED

JAN - 9 1975
U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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

SIGNED: *Robert Anderson*

TITLE: Vice President

DATE: 1-8-75

(This space for Federal or State use)

APPROVED: *[Signature]*
CONFIDENTIAL, IF ANY:

TITLE: *[Signature]*

DATE: *[Signature]*

APR 10 1975

*See Instructions on Reverse Side

N. M. O. C. C. COPY

SUBMIT IN TRIPLICATE

Form Approved
Project Number 42-11425

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK: **DRILL** ☐ **DEEPEN** ☐ **PLUG BACK** ☐

2. TYPE OF WELL: **Oil** ☐ **Gas** ☐ **Water** ☐ **Geothermal** ☐ **Other** ☐

3. NAME OF OPERATOR: **PLATEAU**

4. LOCATION OF WELL: **Section 1, T12N, R10E, S12E, Garfield County, New Mexico**

5. NAME OF LAND: **Federal**

6. WELL NO.: **111**

7. DATE OF PERMIT: **August 17, 1974**

8. COUNTY OR PARISH: **New Mexico**

9. DISTANCE FROM NEAREST TOWN OR CITY: **10 miles**

10. DISTANCE FROM NEAREST WELL: **1/2 mile**

11. DISTANCE FROM NEAREST ROAD: **1/4 mile**

12. DISTANCE FROM NEAREST RAILROAD: **1/2 mile**

13. DISTANCE FROM NEAREST POWER LINE: **1/2 mile**

14. DISTANCE FROM NEAREST HIGHWAY: **1/2 mile**

15. DISTANCE FROM NEAREST AIRPORT: **1/2 mile**

16. DISTANCE FROM NEAREST WATER BODY: **1/2 mile**

17. DISTANCE FROM NEAREST SETBACK LINE: **1/2 mile**

18. DISTANCE FROM NEAREST ADJACENT PROPERTY: **1/2 mile**

19. DISTANCE FROM NEAREST ADJACENT WELL: **1/2 mile**

20. DISTANCE FROM NEAREST ADJACENT ROAD: **1/2 mile**

21. DISTANCE FROM NEAREST ADJACENT RAILROAD: **1/2 mile**

22. DISTANCE FROM NEAREST ADJACENT POWER LINE: **1/2 mile**

23. DISTANCE FROM NEAREST ADJACENT HIGHWAY: **1/2 mile**

24. DISTANCE FROM NEAREST ADJACENT AIRPORT: **1/2 mile**

25. DISTANCE FROM NEAREST ADJACENT WATER BODY: **1/2 mile**

26. DISTANCE FROM NEAREST ADJACENT SETBACK LINE: **1/2 mile**

27. DISTANCE FROM NEAREST ADJACENT PROPERTY: **1/2 mile**

28. DISTANCE FROM NEAREST ADJACENT WELL: **1/2 mile**

29. DISTANCE FROM NEAREST ADJACENT ROAD: **1/2 mile**

30. DISTANCE FROM NEAREST ADJACENT RAILROAD: **1/2 mile**

31. DISTANCE FROM NEAREST ADJACENT POWER LINE: **1/2 mile**

32. DISTANCE FROM NEAREST ADJACENT HIGHWAY: **1/2 mile**

33. DISTANCE FROM NEAREST ADJACENT AIRPORT: **1/2 mile**

34. DISTANCE FROM NEAREST ADJACENT WATER BODY: **1/2 mile**

35. DISTANCE FROM NEAREST ADJACENT SETBACK LINE: **1/2 mile**

36. DISTANCE FROM NEAREST ADJACENT PROPERTY: **1/2 mile**

37. DISTANCE FROM NEAREST ADJACENT WELL: **1/2 mile**

38. DISTANCE FROM NEAREST ADJACENT ROAD: **1/2 mile**

39. DISTANCE FROM NEAREST ADJACENT RAILROAD: **1/2 mile**

40. DISTANCE FROM NEAREST ADJACENT POWER LINE: **1/2 mile**

41. DISTANCE FROM NEAREST ADJACENT HIGHWAY: **1/2 mile**

42. DISTANCE FROM NEAREST ADJACENT AIRPORT: **1/2 mile**

43. DISTANCE FROM NEAREST ADJACENT WATER BODY: **1/2 mile**

44. DISTANCE FROM NEAREST ADJACENT SETBACK LINE: **1/2 mile**

45. DISTANCE FROM NEAREST ADJACENT PROPERTY: **1/2 mile**

46. DISTANCE FROM NEAREST ADJACENT WELL: **1/2 mile**

47. DISTANCE FROM NEAREST ADJACENT ROAD: **1/2 mile**

48. DISTANCE FROM NEAREST ADJACENT RAILROAD: **1/2 mile**

49. DISTANCE FROM NEAREST ADJACENT POWER LINE: **1/2 mile**

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66. DISTANCE FROM NEAREST ADJACENT RAILROAD: **1/2 mile**

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76. DISTANCE FROM NEAREST ADJACENT POWER LINE: **1/2 mile**

77. DISTANCE FROM NEAREST ADJACENT HIGHWAY: **1/2 mile**

78. DISTANCE FROM NEAREST ADJACENT AIRPORT: **1/2 mile**

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85. DISTANCE FROM NEAREST ADJACENT POWER LINE: **1/2 mile**

86. DISTANCE FROM NEAREST ADJACENT HIGHWAY: **1/2 mile**

87. DISTANCE FROM NEAREST ADJACENT AIRPORT: **1/2 mile**

88. DISTANCE FROM NEAREST ADJACENT WATER BODY: **1/2 mile**

89. DISTANCE FROM NEAREST ADJACENT SETBACK LINE: **1/2 mile**

90. DISTANCE FROM NEAREST ADJACENT PROPERTY: **1/2 mile**

91. DISTANCE FROM NEAREST ADJACENT WELL: **1/2 mile**

92. DISTANCE FROM NEAREST ADJACENT ROAD: **1/2 mile**

93. DISTANCE FROM NEAREST ADJACENT RAILROAD: **1/2 mile**

94. DISTANCE FROM NEAREST ADJACENT POWER LINE: **1/2 mile**

95. DISTANCE FROM NEAREST ADJACENT HIGHWAY: **1/2 mile**

96. DISTANCE FROM NEAREST ADJACENT AIRPORT: **1/2 mile**

97. DISTANCE FROM NEAREST ADJACENT WATER BODY: **1/2 mile**

98. DISTANCE FROM NEAREST ADJACENT SETBACK LINE: **1/2 mile**

99. DISTANCE FROM NEAREST ADJACENT PROPERTY: **1/2 mile**

100. DISTANCE FROM NEAREST ADJACENT WELL: **1/2 mile**

RECEIVED

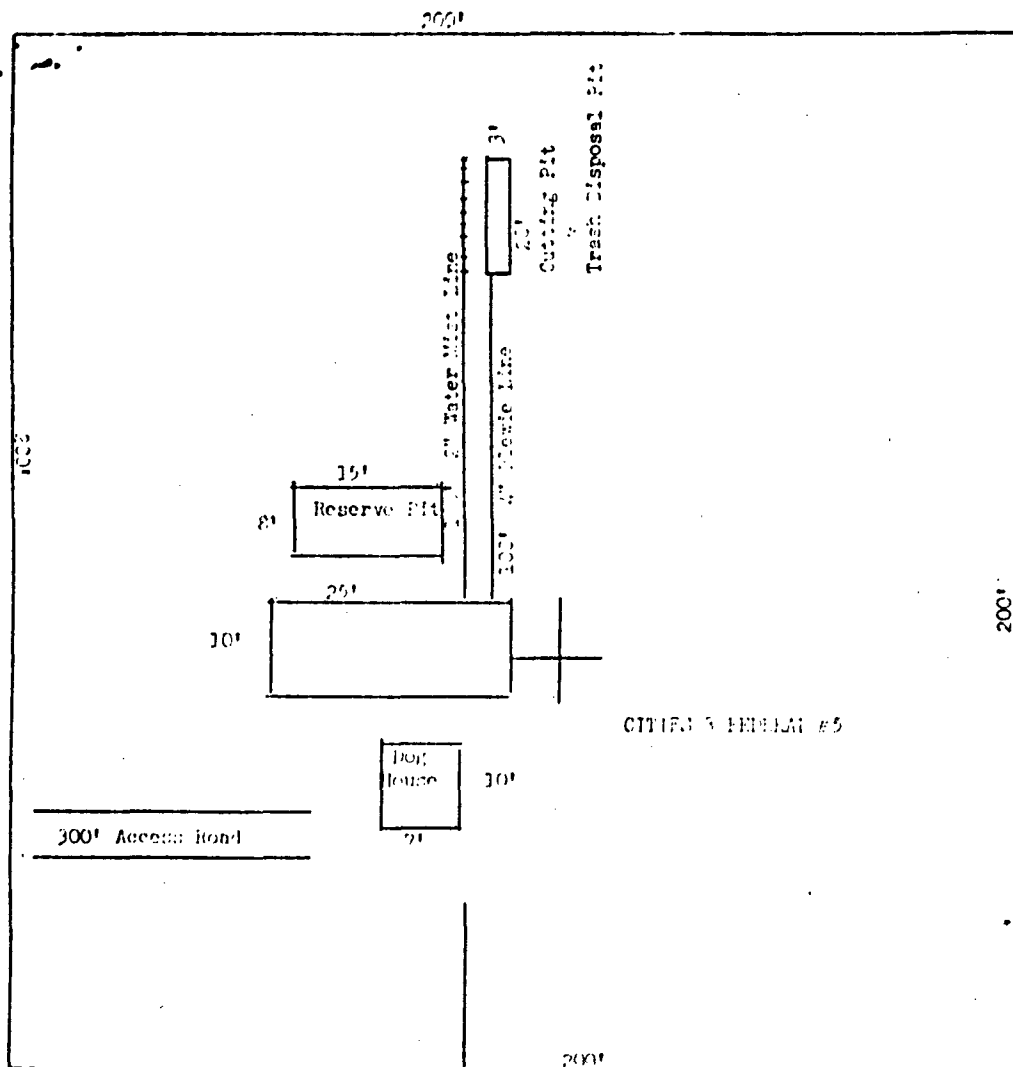
U.S. GEOLOGICAL SURVEY
ALBUQUERQUE, NEW MEXICO

IN ABOVE SPACE, DESCRIBE PROPOSED PROGRAM. If proposal is to deepen or plug back, give data on present production, flow and proposed new production flow. If proposal is to drill or deepen directionally, give pertinent data on subsurface formations and measured and true vertical depths. Give blowout prevention program, if any.

APPROVED
JUL 17 1974
F. L. BLANCHARD
ACTING CHIEF OF BUREAU

THIS APPROVAL IS VALID FOR 12 MONTHS
EXPIRES OCT 12 1974

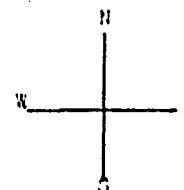
*See Instructions On Reverse Side



BLACK RIVER CATORAL PITS
Surface Use Development Plan
Well - Citied 3 Federal No. 5
Date - August 15, 1964

660' FEL 660' FEL
Section 3: T-26-S R-24-E
Eddy County, New Mexico

CITIED 3 FEDERAL NO. 5
is approximately 1 1/2 miles
north of Citied 3 Federal
No. 4.



NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-107
Supersedes C-100
Effective 1-66

All distances must be from the most southerly of the Section

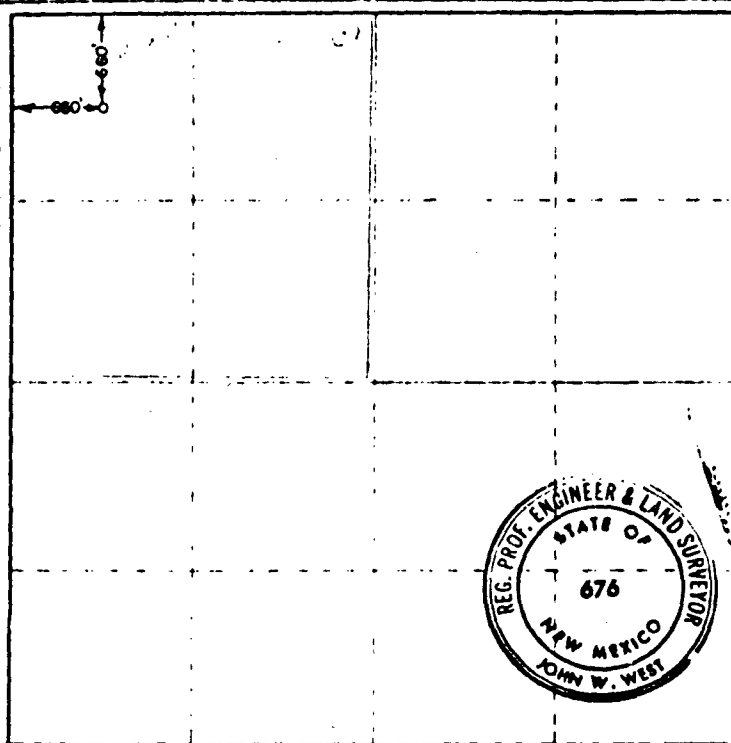
Operator BLACK RIVER CORP.			Lease Cities 3 Federal		Well No. 5
Unit Letter D	Section 3	Township 26 South	Range 24 East	County BLA	
Actual Footage (Location of Well):					
660		North		660 West	
Ground Footage (Location of Well): 3750.3	From the line Delaware		From the line West	From the line 160	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty)
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, lease-pooling, etc?

☐ Yes ☐ No If answer is "yes" type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated (if on reverse side of this form if necessary) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, lease-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Rosine Bourgeois
Vice President

BLACK RIVER CORPORATION

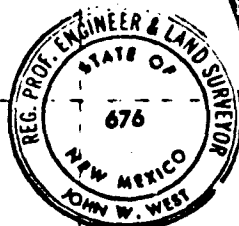
6-26-74

RECEIVED
JUL 1 1974

U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

May 11, 1974

John W. West
676



EDDY Wildcat
 BLACK RIVER CORP.
 5 Cities "3" Federal
 Sec 3, 1-26-5, R 24-6
 660' FNL, 660' FWL of Sec

10-015 2128L
 6 5 11 PM

2-10-75 8-25-75

1" at 516' w/150 AK
 4 1/2" at 1857'

DATE	TIME	WT	WT

1987' 2128L

Anacanda

3750' GL

17 0' RI

F.R. 7-8-74
 (Delaware)

2-18-75

TD 1372'; Prep Drill

2-24-75

Cored (Delaware) 1316-72', sec 58', No desc

TD 1987'; SD Weather

Cored (Delaware) 1484-1987' (10 Cores)

3-13-75

TD 1987'; PHD 1826'; WOCU

3-11-75

TD 1987'; PHD 1826'; Prep Run Tracer

Perf (Delaware) 1686-92' w/2 SPF

Acid (1686-92') 22 0 gals

Frac (1686-92') 4000 gals + 4000# sd

Suhd Load + 20 BFW (1686-92')

3-17-75

TD 1987'; PHD 1826'; Prep Treat

Sqrd 1686-92'

Perf (Delaware) 1688-90' w/2 SPF

8-5-3 NM

EDDY

BLACK RIVER CORP.

Wildcat

5 Cities "J" Federal Page 2
Sec 3, T26S, R24E

NM

3-26-75

TD 1987'; PBD 1826'; TO Pmp

Acid (1688-90') 750 gals

Frac (1688-90') 3500 gals (37) acid + 53500 ad

Ppd load + 20 B soil wtr (1688-90')

3-31-75

TD 1987'; PBD 1826'; TO Pmp

4-7-75

TD 1987'; PBD 1826'; TO Pmp

Ppd 20-22 BW w/light blow gas in 24 hrs (1688-90')

4-21-75

TD 1987'; PBD 1826'; TO Pmp

4-28-75

TD 1987'; PBD 1826'; SI

5-19-75

TD 1987'; PBD 1826'; SI

8-25-75

TD 1987'; DRY & ABANDONED

8-30-75

CONNECTION IS CUL

8-5-7 NM

EDDY COUNTY

NEW MEXICO

WILDCAT

Well: BLACK RIVER CORP. 5 Cities "3" Federal
Locn: Sec 3-26S-24E, 660' FNI 660' FWI Sec;

Result: DGA WF

Spud: 2-10-73, Comp: 8-25-75, Elev: 3750' Grd; TD: 1987' Dela

Casing: 7" 516' 7150' ss; 4-1/2" 1857' cmtid;

Comp Info: Cored (Dela) 1314-72', rec 58', No Descr; Cored (Dela) 1484-1987' (10 cores);

Logged: Perf (Dela) 1686-92' w/2 SPF; A/2250 gal; Frac w/4000 gal + 4000W sd; S/
load + 20 BW; Spd 1686-92'; Perf (Dela) 1688-90' w/2 SPF; A/750 gal; Frac w/
3500 gal (3x) + 5350W sd; P/load - 20 B suh wtr; P/20-22 BW w/sli blow gas/24 hrs,
C/Anaconda Drlg.

Tests: NR

API No: 30-015-21287

©COPYRIGHTED 1975
REPRODUCTION PROHIBITED



Petroleum Information.

A DIVISION OF API - Petrol. Indus.

Date: 9-3-75

Card No: 3

hc

UNITED STATES NM OIL-CONS. COMMISSION
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY Artesia, NM 88210Form approved
Budget Bureau No. 42 R1426

U.S. GEOLOGICAL SURVEY AND GSA

NM-5124-A

4. IF INDEX, ATTACHED ON FORM 1000

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 "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		7. FIRST AGREEMENT NAME	
2. NAME OF OPERATOR Alpha Twenty-One Production Company		8. FARM OR LEASE NAME Lindsey	
3. ADDRESS OF OPERATOR 2100 First National Bank Building, Midland, Texas 79701		9. WELL NO. 1	
4. LOCATION OF WELL (Report location clearly and in accordance with any state requirements. See also space 17 below.) At surface 2657' FSL and 1656' FEL DEC 14 1981		10. FIELD AND FUEL OR WILDCAT Washington Ranch-Delaware	
12. PERMIT NO.		11. SEC., T., R., W. OR BLM. AND SOURCES OF DATA Sec. 4, T26S, R24E	
13. ELEVATIONS (Show whether OP, ST, OR, ORL.) 3773 Ground Level		12. COUNTY OR PARISH Eddy	
		13. STATE New Mexico	

14. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

(Other) ☐

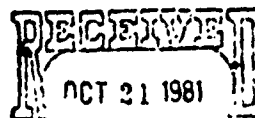
17. DETAILED PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to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

We plugged and Abandoned this well by using the following procedure:

Set a CIBP at 1280' and dumped 35' of cement on top.
Perforated at 650' and squeezed with 100 sacks of cement. Cement circulated,
we left 4 1/2" casing full of cement from surface to 650'.
Erected monument at the wellsite.
Work accomplished September 27, 1981.

(USGS Rep. Bert Jones was on location)

We will notify USGS when location is cleaned and ready for inspection.



ON 4 GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

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

SIGNED <i>[Signature]</i> (This space for Federal or State office use)	TITLE Executive Vice President	DATE October 19, 1981
APPROVED BY CONDITIONS OF APPROVAL, IF ANY:	TITLE	DATE

*See Instructions on Reverse Side

Form approved
Budget Bureau No. 42 10021
U. S. G. P. 1967 O-350-100

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals for staff or for changes in policy, such as a different frequency.
Use "APPLICABLE FOR PERSONNEL" for such proposals.)

DUC. WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		7. DEPTH OF WELL (ft.) 10	
3. NAME OF OPERATOR Alpha Twenty-One Production Company		8. NAME OF LEASE NAME Lindsay	
5. ADDRESS OF OPERATOR 2100 First National Bank Bldg. - Midland, Texas 79701		9. WELL NO. #1	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements* See also space 17 below.) At surface: 2657' FSL and 1656' FEL, Section 4		10. FIELD AND POOL, OR BOTH? Washington Ranch-Delaware	
14. PERMIT NO. Approved 10/3/75		15. ELEVATIONS (Show whether 60, 80, 64, etc.) 3773 GR	
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA NOTICE OF INTENTION TO: TEST WATER SHUT-OFF <input type="checkbox"/> PILL OR ALTER PLUG <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> MULTIPLE COMPLETION <input type="checkbox"/> ABANDON OR ABANDON <input type="checkbox"/> ABANDON* <input type="checkbox"/> REPAIR WELL <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> (other) Temporary Abandonment <input type="checkbox"/>		17. SUBSEQUENT REPORT OF: WATER SHUT-OFF <input type="checkbox"/> DEWATERING WELL <input type="checkbox"/> FRACTURE TREATMENT <input type="checkbox"/> ALTERING FACING <input type="checkbox"/> ABANDON OR ABANDON <input type="checkbox"/> ABANDONMENT* <input type="checkbox"/> (Other) <input type="checkbox"/>	
18. (Note: Report results of multiple completion or well Completion or Recompletion Report and Log form.)		19. (Note: Report results of multiple completion or well Completion or Recompletion Report and Log form.)	

We respectfully request approval to continue the Temporary Abandonment status of this well. We have a new engineer that needs additional time to evaluate this well.

Put will to beneficial use or plug
before March 1, 1951 pursuant to
30 CFR 221.2.

SANTA FE.

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

SIGNED Ronnie Johnston TITLE Vice President DATE 11-19-80

(This space for Federal or State notice use)

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

***See Instructions on Reverse Side**

Form 9-331
(May 1963)

NM OIL CONS. COMMISSION
DEPARTMENT OF THE INTERIOR
Artesia, NM 88205 GEOLOGICAL SURVEY

REMIT IN TRIPlicate
(either instructions on re-
verse side)

Form approved
Budget Number No. 45 81426

5. LEASE DESIGNATION AND SERIAL NO.

NM-6028-A

6. IF INDICES, ALIENATEE OR TRUST NAME

SEP 22 1981

7. UNIT OWNER'S NAME

8. NAME OF LEASE OWNER

Lindsay

9. WELL NO.

1-1

10. FIELD AND POOL, OR WILDCAT

Washington Ranch - Delaware

11. SEC. T. R. S. V. OR BLM. AND
STATE OR AREA

Sec. 4, T26S, R24E

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 "APPLICATION FOR PERMIT" for such proposals.)

1. OIL ☐ GAS ☐ OTHER ☒

2. NAME OF OPERATOR
Alpha Twenty-One Production Company

3. ADDRESS OF OPERATOR
2100 First National Bank Building, Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface
2657' FSL and 1656' FEL

14. PERMIT NO.

15. ELEVATIONS (Show whether of, to, or on, etc.)
3773 Ground Level

12. COUNTY OR PARISH 13. STATE
Eddy New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHUT-IN OR FIDDER

REPAIR WELL

(Other)

PLUG OR ALTER CASING

MULTIPLE COMPLETE

ABANDON

CHANGE PLANS

X

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHUTTING OR ACTIVATING

(Other)

REPAIRING WELL

ALTERING FIDDER

ABANDONMENT

(NOTE: Report results of multiple completion on Well
Completion or Recombination Report and Log form.)

17. LONG-TERM, PERMANENT OR CONTINGENT 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 screen perforations to 10' work.)

Formerly Black River Corp.

We propose to Plug and Abandon this well by using the following procedure:

Set a CIBP at 1200' and Dump 35' of cement on top.
Perforate at 600' and squeeze with 100 sacks of cement to bring
cement above shoe of 7-5/8" casing.
Place 15 sacks cement plug at the surface.
Erect monument at the wellsite.

RECEIVED
SEP 22 1981

U.S. GEOLOGICAL SURVEY
NEW MEXICO

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

SIGNED

TITLE Executive Vice President

DATE September 17, 1981

(This space for Federal approval only)

APPROVED FOR BY PETER W. CHESTER

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

SEP 24 1981

FOR

JAMES A. GILLHAM *See Instructions on Reverse Side
DISTRICT SUPERVISOR

Form 5-650
(Rev. 5-65)

N.M.O.C.D. COPY
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form approved
Bulge Bureau No. 4111.5

5. LEASE REGISTRATION AND SERIAL NO.

NM 6028 - A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1. TYPE OF WELL: ☒ OIL ☐ GAS ☐ WATER ☐ OTHER ☐ **RECEIVED**

2. TYPE OF COMPLETION: ☐ NEW WELL ☐ WORK OVER ☐ REPER ☐ PLUG ☐ REPAIR ☐ OTHER ☐ **JUL 1 1980**

3. NAME OF OPERATOR: **Black River Corporation**

4. ADDRESS OF OPERATOR: **2100 First National Bank Bldg. Midland, Texas**

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements):
At surface: **2657' FSL and 1656' FEL, Section 4**
At top prod. interval reported below:
At total depth:

6. FIELD AND POOL, OR WILDCAT: **Washington Ranch-Delaware**

7. SEC., T., R., OR BLOCK AND SURVEY OR AREA: **Sec. 4, T-26-S R-24-E**

8. COUNTY OR PARISH: **Eddy**

9. STATE: **New Mexico**

10. DATE SPOOLED: **10/1/75**

11. DATE TO BE REACHED: **10/18/75**

12. DATE COMPLETION (Ready to prod.): **Approved 10/3/75**

13. ELEVATION (OF BND, BT, OR, ETC.): **3773 GR**

14. TOTAL DEPTH, IN & FT: **1373**

15. PLUG BACK TO, IN & FT: **1373**

16. IF MULTIPLE COMPLETIONS, HOW MANY? **1**

17. INTERVALS DRILLED BY: **X**

18. PRODUCING INTERVAL(S) OF THIS COMPLETION—TOP, BOTTOM, NAME (IN & FT):
Well shut-in pending study

19. TYPE ELECTRIC AND OTHER LOGS RUN: **Gamma Ray Neutron Log**

20. WAS WELL COILED: **NO**

21. CARTRIDGE RECORD (Report all strings set in well):

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (IN)	WEIGHT (LB)	CEMENTING METHOD	CUMULATIVE PILED
7 5/8"	26.40	501'	11"	300 SX Dowell Lite 75 SX	class E
5 1/2"	15.50	1284'	6 3/8"	30' SX Class E	

22. LINKER RECORD

SIZE	TOP (IN)	BOTTOM (IN)	SAFER PERCENT	GRABER (IN)	SIZE	DEPTH SET (IN)	PACKER SET (IN)

23. TUBING RECORD

SIZE	TOP (IN)	BOTTOM (IN)	SAFER PERCENT	GRABER (IN)	SIZE	DEPTH SET (IN)	PACKER SET (IN)

24. PROPORTION RECORD (Interval, size and number): **Well shut-in pending study**

25. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (IN)	AMOUNT AND KIND OF MATERIAL USED

26. PRODUCTION

DATE FIRST PRODUCTION: **Well shut-in**

PRODUCTIVE METHOD (Flowing, gas lift, pumping, size and type of pump): **Shut-in**

WELL STATUS (Producing or shut in): **Shut-in**

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

27. FLOW, TURNING POINTS, FLOWING PRESSURE, CALCULATED SE-NOV'S RATE

FLOW, TURNING POINTS	FLOWING PRESSURE	CALCULATED SE-NOV'S RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)

28. DISPOSITION OF GAS (Bled, used for fuel, vented, etc.): **TEST WITHHELD BY**

29. LIST OF ATTACHMENTS

30. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED: **Roxie New Deer** TITLE: **Vice President** DATE: **7/3/80**

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

INSTRUCTIONS

Example: This form is designed for submitting a complete and correct well completion report and log on all types of wells and leases to either a Federal agency or a State agency or both, pursuant to applicable Federal and/or State laws and regulations. For necessary special instructions concerning the use of this form and the manner 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 23, and 24, below regarding separate reports for separate completions.

If not filed prior to the time this summary report is submitted, copies of all currently available logs (lithology, geology, stratigraphy, 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 25.

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

Item 16: Indicate which formation is used as reference (see and otherwise shown) for depth measurements given in other parts of this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval, use (multiple completion), on 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 23. 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: "Water Control": Attached supplemental reports 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 instructions for items 22 and 23 above.)

3. SUMMARY OF FORMER LOGS:				4. GEOLOGIC MARKERS	
LOGS	DATE	DESCRIPTION, CORRELATION, ETC.	DATE	MARKERS	DATE
Delaware	514	Sand - Sandy shale, lime	Delaware	514	

Form 9-332
(May 1965)

UNITED STATES N. M. & C. CO. COPY
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form approved
Budget Bureau No. 62-11474

2. LEASE REGISTRATION AND SERIAL NO.
3. IF INDIAN, ALLOTTEE OR TRUST LAND

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 "APPLICATION FOR PERMIT" for such proposals.)

1. ☐ OIL ☐ GAS ☒ OTHER
2. NAME OF OPERATOR
Black River Corporation
3. ADDRESS OF OPERATOR
620 Commercial Bank Tower, Midland, Texas 79701
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

7. LEASE AGREEMENT NAME
8. FARM OR LEASE NAME
Lindsay
9. WELL NO.
1
10. FIELD AND POOL, OR WELDCAT
Washington Ranch-Delaware
11. SEC., T., R., W., OR BLM. AND
SUBSET OR AREA
Sec. 4, T-26-S, R-24-E
12. COUNTY OR PARISH 13. STATE
Eddy New Mexico

2657' FSL and 1656' FEL, Section 4

14. PERMIT NO.
Approved 10-3-75
15. SITUATIONS (Show whether OF, BY, OR, etc.)
3773 GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER: SHUT-OFF

PRACTICE TREAT

SHOOT OR ADVERSE

REPAIR WELL

(If None)

WELL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLUG

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

PRACTICE TREATMENT

SHOOTING OR ADVERSE

(Other) TEMPORARY ABANDONMENT

(Note: Report results of multiple completion on Well Completion or Recombination Report and Log form.)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

* If abandoned, complete in accordance with requirements relating to permanent closure, and also permanent data, including estimated date of starting any proposed work, if and as such work is desired, give estimated location and proposed well and surface depths for all surface and plug points, and so forth.

Black River Corporation is continuing to study the various Delaware Formation wells drilled in this area. We hereby request Temporary Abandonment status for this well until we complete our evaluation, at that point, which we hope will be in the near future, we will either P&A or attempt completion.

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FEB 17 1977

U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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

SIGNED:

Ronnie Saunders

TITLE Vice President

DATE 2-16-77

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE ACTING DISTRICT ENGINEER

DATE FEB 25 1977

UNLESS FURTHER APPROVED, WELL MUST
BE PUT TO BENEFICIAL USE OR PLUGGED BY
APRIL 1, 1977

*See Instructions on Reverse Side

Form 9-51
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for applications to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such purposes.)

N. M. & C. C. COPY

PERMIT IN TRIPLICATE?
(Indicate instructions on FD-150 form)

Form approved
Budget Bureau No. 42 11432
(Indicate instructions on FD-150 form)

5. LEASE DENUMERATION AND SERIAL NO.
NM 6028-A

6. IS INDIAN, ALIEN OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Lindsay

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Washington Ranch-Delaware

11. SEC. T. R. W. OR OIL. AND
SURVEY OR AREA
Sec. 4, T-26-S, R-24-E

12. COUNTY OR PARISH
Eddy

13. STATE
New Mexico

1. NAME OF OPERATOR
Black River Corporation

2. ADDRESS OF OPERATOR
620 Commercial Bank Tower, Midland, Texas

3. LOCATION OF WELL (Indicate location clearly and in accordance with any State requirements.)
2657' FSL and 1656' FEL, Section 4

14. PERMIT NO.
Approved 10-3-75

15. EXISTENCE (Indicate whether or not, or etc.)
3773 GR

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

16.

STOP WATER SHUT-OFF
FRACTURE TREAT
SHOOT OR ACROSS
REPAIR WELL
(Other)

NOTES OF INTENTION TO:

WELL OR ALTER CASING
MULTIPLE COMPLETS
ABANDON
CHANGE PLANS

WATER SHUT-OFF
FRACTURE TREATMENT
SHOOTING OR ACROSSING
CABLING
(Other)

SUBSEQUENT REPORT OF:

REPAIRING WELL
ALTERING CASING
ABANDONMENT

17. PERTINENT INFORMATION ON COMPLETED OPERATIONS (Indicate briefly all pertinent details, and give pertinent locations and measured and true vertical depths for all markers and since pertained to this work.)

Well spudded October 1, 1975. Drilled on 11" (eleven) hole to 514' then set 501' of 7 5/8" O.D. 26.4# K-55 LTRC new casing. .80' of lex pattern shoe plus 3' RKB for a total of 505'. Cemented with 300 sacks Dowell lite weight and 75 sacks class "C" cement. Cement did not circulate. Left 30' cement in pipe by figuring displacement. Job complete 2:50 AM October 6, 1975. Bennett Wireline Service ran Temperature Survey - found top of cement @ 110'. On October 7, 1975 used 2 1/2 cubic yards ready mix cement to cement from 160' to surface. W.O.C. installed well head. Drilled a 6 3/4" hole to 1224' then set 1224' of 15.5# K-55 LTRC 5 1/2" casing. Permet Wireline Temperature Survey indicated cement back to 1110'. Released rig 4:00 PM MST October 13, 1975. On October 16, 1975 started drilling 4 3/4" hole @ 1245' with a reverse rig. On formation @ 1285' @ 11:54 AM MST drilling with gas in reverse. Drilled to 1373' no shows. Ran Gamma Ray Neutron Log. Well shut in pending study.

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FEB 17 1977

U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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

SIGNED

(This space for Federal or State name only)

APPROVED BY
CONDITIONS OF APPROVAL IF ANY:

TITLE Vice President

TITLE ACTING DISTRICT ENGINEER

DATE 2-16-77

DATE FEB 25 1977

*See Instructions on Reverse Side

Form 9-251 C
(May 1963)

N. M. O. C. C. C.

SUBMIT IN TRIPLICATE*
(Refer instructions on
reverse side)

Form approved
Budget Bureau No. 42 B1428

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL
OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE BORE ☐ MULTIPLE BORE ☐

c. NAME OF OPERATOR
Black River Corporation

d. ADDRESS OF OPERATOR
670 Commercial Bank Tower, Midland, Texas 79701

e. LOCATION OF WELL (Report location clearly and in accordance with any State requirements*)
At surface 2657' FSL and 1656' FEL, Section 4
At proposed prod. zone

f. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approx. 12 miles southwest of Whites City, New Mexico

g. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 330'

h. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1700'

i. ELEVATIONS (Show whether DT, RT, CR, etc.)
3773 Ground Level

j. PROPOSED Casing and Cementing Program

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	7"	20#	500'	100SX
6 1/4"	4 1/2"	10.5#	1,300'	200SX

We propose to drill an 11" hole to approximately 500' after setting 7" casing and circulating cement to surface, will then W.O.C. a minimum of (24) hours. From this point will drill 6 1/4" hole to 1300' with fresh water. At 1300' 4 1/2" casing will be run and cement sufficient to return to 50' above top of the Delaware. W.O.C. a minimum of 24 hours. From this point will drill 3 5/8" hole to total depth with

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JUL 14 1975

U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

26. SIGNED Barbara Kuder TITLE Vice President DATE 7-11-75
(This space for Federal or State office use)

APPROVED
OCT 3 1975
L. S. SLEKIN
ARTESIA DISTRICT ENGINEER

THIS APPROVAL IS EXTENDED TO APPROXIMATELY
JAN 2 - 1976

*See Instructions On Reverse Side

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-1
Superintendent of Oil
Title No.

All locations must be from the outer boundaries of the section

Black River Corporation

26 South

24 East

Eddy

2657

South

1656

East

3773

Delaware

Washington Parish, Delaware

160

1. Outline the acreage dedicated to the subject well by colored pencil or hardware marks on the plat below.

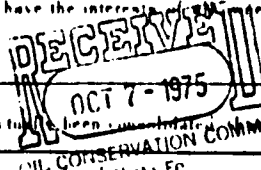
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes ☐ No ☐ If answer is "yes," type of consolidation

If answer is "No," list the owners and tract descriptions which have actually been consolidated on the reverse side of this form if necessary.

No allowable will be assigned to the well until all interests have been consolidated by communitization, unitization, force-pooling, or otherwise or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

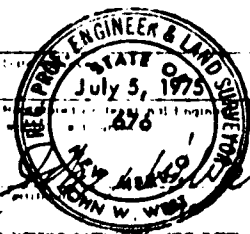
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Rennie Anderson
Vice President

Black River Corporation

7-8-75

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.



LINDY COUNTY NEW MEXICO WASHINGTON RANCH FIELD

Well: BLACK RIVER CORP. 1 Linday

Result: DCA D

Locn: 7 mi S & 7 mi W/White City, 2657'FSL 1656' FEL Sec 4-26S-24E

Spud: 10-1-75; Comp: 11-24-75; Elev: 3773' grd; TD: 1375' Delaware

Casing: 7 5/8" 582' / 375 ex, 5 1/2" 1284'

Comp Info: DCA; C/Pennsylvanian Drilg. Co.

Top: NR

API No.: 30-015-21645

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Petroleum Information.

CORPORATION
A Division of P. I. Data Group

Date: 12-3-75

Card No.: 4 mm

Form 9-331
(May 1965)

NMOCC COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PERMIT IN TRIPlicate
(Other instructions on re-
verse side)

Form approved
Budget Bureau No. 43-21454

5. LEASE DESIGNATION AND SERIAL NO.

LC-061716

6. IF INDIAN, ALLOTTEE OR TRIBE LAND

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to depth of 1000 F.T.
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER ☐ APR 5 1978

2. NAME OF OPERATOR

J. M. Huber Corporation

3. ADDRESS OF OPERATOR

1900 Wilco Building, Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)

At surface

1980' FNL & 2050' FEL, Section 11, T-26S, R-24E

14. PERMIT NO.

Blanket

15. ELEVATIONS (Show whether to, by, or on)

3752' GR

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Superior USA

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Washington Ranch Delaware

11. SEC., T., R., OR BLM. AND
SURVEY OR AREA

Sec. 11, T-26S, R-24E

12. COUNTY OR PARISH 13. STATE

Eddy

N. M.

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETS

ABANDON

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT

☐

☐

☐

☒

(Note: Report results of multiple completions on Well
Completion or Recompletion Report and Log form.)

17. MAKE SURE PROVISIONS ON COMPLETED OPERATIONS (If early 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 names perti-
nent to this work.)

- 1) MI RU,
- 2) POH w/3/4" rods and pump,
- 3) Circulation 1/2" csg. w/ gelled mud (Bentonite),
- 4) Spot 100' cement plug (20sx) from 1600' to 1500' to cover perforations
1527', 1532', 1539', 1546', 1556' and 1564',
- 5) Spot 100' cement plug (20sx) from 850' to 750',
- 6) Place 20 sx cement @ surface,
- 7) Release rig,
- 8) Place well Marker,
- 9) Clean up location,
- 10) Rip pad and road.

RECEIVED
FEB 3 1978
U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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

SIGNED Robert G. Settler

(This space for Federal or State office use)

APPROVED BY Joe J. Lara

CONDITIONS OF APPROVAL, IF ANY:

TITLE Dist. Prod. Mgr.

DATE February 2, 1978

TITLE ACTING DISTRICT ENGINEER

DATE APR 4 - 1978

*See Instructions on Reverse Side

Form 9-315 NMOCC
(May 1962)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PERMIT IN TRIPPLICATES
(Other Instructions on reverse side)

Form approved
Budget Bureau No. 42-R1496

5. FUNDING AGENCY AND SERIAL NO.

IC 061716

6. IF INDIVIDUAL, SIGNATURE OR TRADE NAME

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 "APPLICATION FOR PERMIT" for such proposals.)

1. ☐ OIL ☐ GAS ☒ WATER ☐ OTHER

2. NAME OF OPERATOR
J.M. Huber Corporation

3. ADDRESS OF OPERATOR
1900 Wilco Building, Midland, Texas 79701

4. LOCATION OF WELL (If not location clearly and in accordance with any State requirements, see also space 17 below.)
At surface
1980' FNL & 2050' FEL, Section 11,
T-26-S, R-24-E

10. FIELD NO.
Blanket

11. ELEVATION (Show whether NP, SP, OR, etc.)
3752' (R)

12. COUNTY OR PARISH
Eddy

13. STATE
New Mexico

14. FIELD AND FIRM, OR WITHOUT
Washington Ranch Dela.

15. SEC., T., R., OR B.M. AND
11-26S-24E

16. COUNTY OR PARISH
Eddy

17. STATE
New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	WELL OR AFTER Casing	WATER SHUT-OFF	ABANDONING WELL
FRACURE TREAT	MULTIPLE COMPLETION	FRACURE TREATMENT	ALTERING CASING
SHUT-IN OR ABANDON	GRABBER	SHUT-IN OR ABANDON	RECOMPLETION
REPAIR WELL	CHANGE PLANE	(Other)	

(Other)

17. (To be filled in connection with completion or recompletion. 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.)

- 1) MIRU casing pullers,
- 2) POH w/3/4" rods and pump,
- 3) Spot 100' cement plug (20 sx) from 1600' to 1500' to cover perforations 1527', 1532', 1539', 1546', 1556' and 1564',
- 4) Spot 100' cement plug (20 sx) from 950' to 750',
- 5) Place 20 sx cement @ surface,
- 6) Release rig,
- 7) Place well Marker,
- 8) Clean up location,
- 9) Rip pad and road.

RECEIVED
DEC 19 1977
U.S. GEOLOGICAL SURVEY
ALBUQUERQUE, NEW MEXICO

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

SIGNED Robert G. Satzler TITLE Dist. Prod. Manager DATE 12-16-77

(This space for Federal or State official use)

APPROVED BY [Signature] TITLE ACTING DISTRICT ENGINEER DATE DEC 20 1977

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Form 9-331
(May 1965)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PERMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved
Budget Bureau No. 43 B1456
1. ISSUE INFORMATION AND SERIAL NO.

IC-061716

2. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDY 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 "APPLICATION FOR PERMIT" for such proposals.)

3. OIL WELL ☒ GAS WELL ☐ OTHER ☐

4. NAME OF OPERATOR

J.M. Huber Corporation

5. ADDRESS OF OPERATOR

1900 Wilco Building, Midland, Texas 79701

6. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

1980' FNL & 2050' FEL Section 11.
T-26-S, R-24-E

DEC 20 1977

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Superior USA

9. WELL NO.

1

10. FIELD AND FIRM OR WILDCAT

Washington Ranch Dela.

11. SEC., T., R., OR BLK. AND

11-26S-24E

12. PERMIT NO.

Blanket

13. ELEVATIONS (Show whether OF, BT, CR, etc.)

3752' CR

ARTESIA, OFFICE

14. COUNTY OR PARISH

Eddy

15. STATE
New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRAC TREAT

SHUT IN ACIDIZING

REPAIR WELL

(If box)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON

CHANGE PLANS

IMMEDIATE REPORT OF:

WATER SHUT-OFF

FRAC TREATMENT

SHUTTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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.)

Perforated 4 1/2" casing with 4 holes @ 2025'. Established circulation down 4 1/2" casing to surface. Went in hole with 2-7/8" tubing and Dowell cement retainer, set @ 2000'. Mixed 455 sx Dowell Litewate 6% gel 2% CaCl₂ filler cement followed by 225 sx Class "C" Neat cement. Circulated cement to surface. WOC 72 hours. Perforated Delaware Zone @ 1527', 1532', 1539', 1546' and 1564'. Fraced well. Well tested pumping 65 BW and no hydrocarbon.

RECEIVED
DEC 16 1977
U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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

SIGNED

Robert G. Selzler

(This space for Federal or State office use)

TITLE Dist. Prod. Manager

DATE 12-16-77

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE ACTING DISTRICT ENGINEER

DATE DEC 20 1977

*See Instructions on Reverse Side

NMOCC COPY
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE
Supplies Instructions on
Reverse Side

Form approved
Budget Bureau No. 62 D-625

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

1. TYPE OF WELL
DRILL ☐ DEEPEN ☒ PLUG BACK ☐

2. TYPE OF WELL
OIL ☒ GAS ☐ OTHER ☐

3. NAME OF OPERATOR
J.M. Huber Corporation

4. ADDRESS OF OPERATOR
1900 Wilco Building, Midland, Texas 79701

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface
1980' FNL & 2050' FEL Section 11, T-26-S, R32E-E.
At proposed prod. zone

6. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR VILLAGE
10 miles south of White City, New Mexico

7. DISTANCE FROM PROPOSED LACATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(Allow for offset 616' well line, N 20°)

8. DISTANCE FROM PROPOSED LACATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

9. ELEVATIONS (Show whether DP, NT, GR, etc.)
3752' DP

10. LEASE NO. AND NAME
IC 061716

11. IF INDIAN, LISTED AS TRIBE NAME

12. FIRST AGREEMENT NAME

13. FARM OR LEASE NAME
Superior USA

14. WELL NO.
1

15. FIELD AND TOWN
Washington Ranch Del.

16. REP. T. N. W. OR S.E. AND NEAREST CORNER
11-26S-24E

17. FID. REP. OR FARMER
Eddy

18. STATE
N.M.

19. NO. OF ACRES ANNEALED TO THIS WELL
160

20. SURFACE IN CABLE FEET

21. APPROX. DATE WORK WILL START
November 1, 1977

PROPOSED Casing and Cementing Program				
SIZE OF CASE	SIZE OF CASING	WEIGHT PER FOOT	DEPTH TO SET	AMOUNT OF CEMENT
11"	8-5/8"	24	804'	300 sx Class C Litepz-circ.
7-7/8"	4-1/2"	10.5	7,723'	350 sx expanding cement

Plug back with Halliburton E-Z Drill SV Cement Retainer @ 2,831'. Plug Morrow perforations @ 7126-7136' (10'). Fill 4 1/2" casing w/200 sx Class "H" cement containing 12.5# Kolite, 1/4# Cellophane Flakes and 6% gel.

Perforate 4 1/2" casing w/4 holes @ 2025'. Establish circulation down 4 1/2" casing to surface. GIH w/2-7/8" tubing and Dowell Cement Retainer, set @ 2000'. Mix 455 sx Dowell Litegate 6% gel 2% CaCl₂ filler cement followed by 225 sx Class "C" Neat cement. Circulate cement to surface. WOC 72 hours. Perforate Delaware Zone @ 1527', 1532', 1539', 1546', 1556' and 1564'. Frac and test.

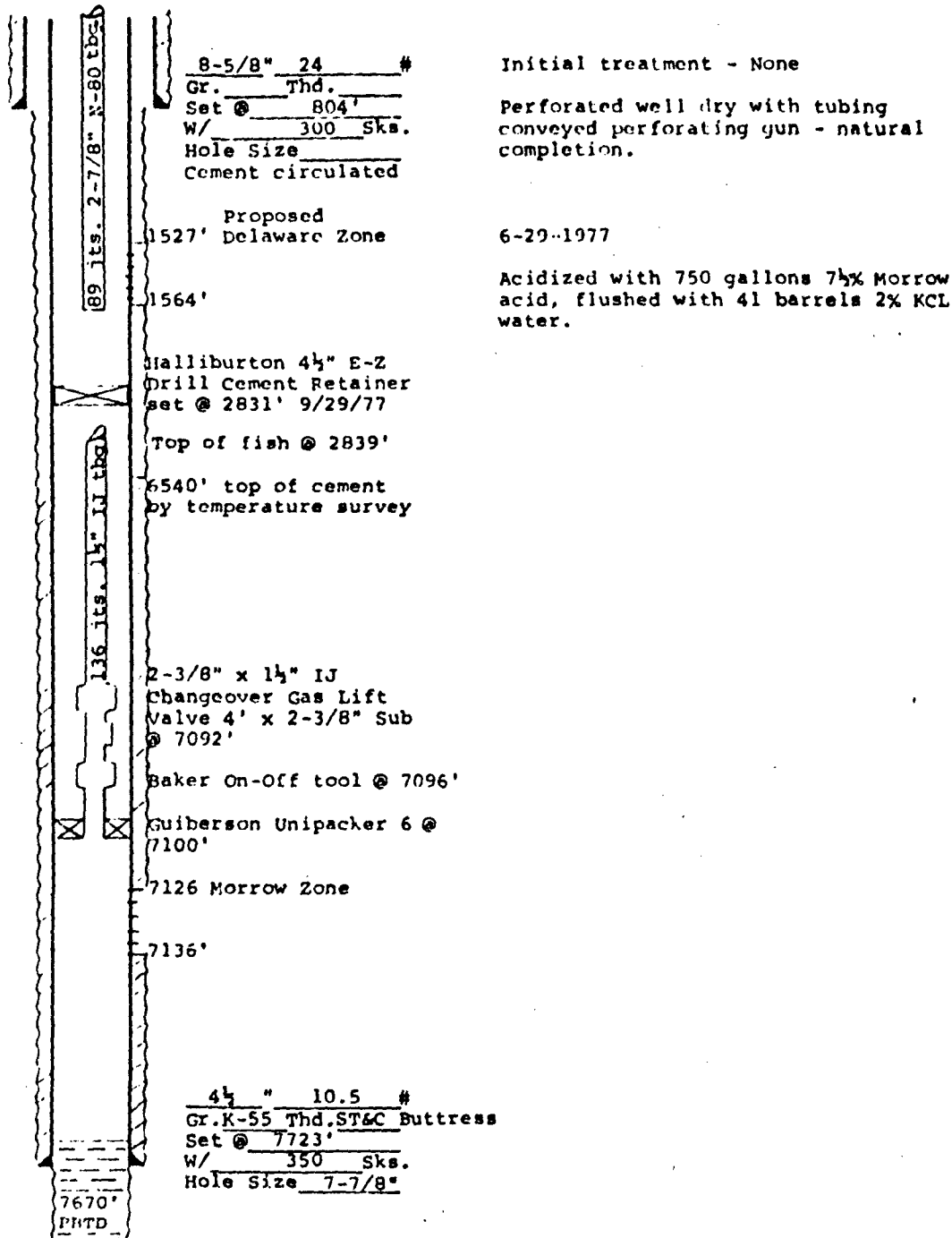
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface formations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED Robert G. Selver TITLE District Prod. Mgr. DATE 10/18/77

APPROVED BY James C. [Signature] TITLE DISTRICT ENGINEER DATE OCT 19 1977

CURRENT
WELL DATA SHEET

ase Superior USA Well No. 1
 cation 1980' FNL & 2050' FEL Sec. 11, County Eddy State New Mexico
T-26-S, R-24-E
 B. Elev. 3764' Date Completed 7-5-72
 L. Elev. 3752' Formation (s) Morrow and
 F. Elev. 3765' Delaware Sand



otal Depth 8200'
 Well Name Superior USA No. 1

Robert G. Setzler
 October 18, 1977

Form 9-551
(M.S. 1963)

N. M. O. C. C. CORP.
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PERMIT IN THIS STATE
(Other States may have similar forms)

Form No. 42-91434
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 well.)
Use "APPLICATION FOR PERMIT" for such proposals.

1. WELL NO. <input checked="" type="checkbox"/> OR WELL NO. <input checked="" type="checkbox"/> OTHER	FEB 11 1977	2. UNIT AGENCY NAME	
3. NAME OF OPERATOR J.M. Huber Corporation	O.C.C.	3. PART OF STATE NAME	Superior - USA
4. ADDRESS OF OPERATOR 1900 Wilco Building, Midland, Texas 79701	OFFICE	4. WELL NO.	1
5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface		5. BIRTH AND DEATH, OR WELLS AT	Washington Ranch Morrow
6. 1980' FNL & 2050' FNL, Section 11, T26S R13E D		6. SEC., T., R., W., OR B.M. AND	NEARBY OR AREA
7. PERMIT NO.	14. PERMITS (Show whether DP, ST, or JAD)	7. 11-26S-24E	
Blanket	3752' GR	8. COUNTY OR PARISH	Eddy
		9. STATE	N.M.

10. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NATURE OF INTENTION TO:		NATURE OF REPORT OR OTHER DATA:	
TEST WATER SHUT-OFF	PLUG OR ABANDON CASING	WATER SHUT-OFF	ABANDONING WELL
FRACURE TEST	MULTIPLE COMPLETE	PRACTICE TREATMENT	ALTERING CASING
REPAIR OR ALTER	ABANDON	REPAIRING OR ALTERING	ABANDONMENT
REPAIR WELL	CHANGE PLANS	(Other)	
(Other)		(Note: Report results of multiple completion on Well Completion or Completion Report and Log form.)	

11. 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 source points to this work.)

1. M.I.R.U. Lillard Casing Pullers,
2. POH w/2-7/8" tubing, Guiberson Unipacker5, Vann Oil Tool 3-1/8" perforating guns and firing head,
3. Rig up McCullough Tool. Run and set CIBP @ 7,000' above Morrow perfs @ 7,126'. Dump 35' sx cement on top of plug,
4. Cut 4 1/2" casing, 10.5#, K-55 @ 6,000'±. Pump 150' (25 sx) 75' in - 75' out @ cut off point,
5. POH w/4 1/2" casing, pump 100' (20 sx) cement plug @ 5,000-5,100'.
POH w/4 1/2" casing, pump 100' (20 sx) cement plug @ 3,400-3,500'.
POH w/4 1/2" casing, pump 100' (20 sx) cement plug @ 1,900-2,000'.
POH w/4 1/2" casing, pump 100' (20 sx) cement plug @ 750- 850'.
POH w/4 1/2" casing, place 20 sx cement @ top surface,
6. Release rig,
7. Clean up location, place well marker.

RECEIVED

FEB 14 1977

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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

SIGNED Robert D. Hickey, Jr.
Robert D. Hickey, Jr.

TITLE Acting Dist. Prod. Mgr. DATE 1/31/77

(This space for Federal or State office use)

APPROVED BY: _____
TITLE _____ DATE _____

TITLE

DATE

*See Instructions on Reverse Side

NO COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL GAS
OPERATOR	
PRODUCTION OFFICE	

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS
RECEIVED

Form No. 1
Supersedes Old Form and is
Effective 1-1-65

Operator J.M. Huber Corporation	
Address 1900 Wilco Building, Midland, Texas 79701	
Reason(s) for filing (check proper box) New Well <input checked="" type="checkbox"/> Change in Transporter () Recompletion <input type="checkbox"/> Change in Ownership <input type="checkbox"/>	
Change in Transporter ()	Change in Ownership ()

If change of ownership give name
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Well Name Superior - USA	Well No. 1	Section Washington Ranch Morrow	County Federal	Lease No. LC 061716
Location Unit Letter G	Year 1980	Foot from Top North	Foot from Side 2050	Foot from Bottom East
Section 11	Township 26-S	Range 24-E	County Eddy	

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter El Paso Natural Gas Company	Address 1800 Wilco Bldg., Midland, Texas 79701
If well produces oil or liquids, give location of tanks G 11 26 24	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
If this production is commingled with that from any other lease or pool, give commingling order number	

IV. COMPLETION DATA

Designate Type of Completion - (X)			
Date Spudded 6-3-1972	Date Comp. Ready to Prod. 7-5-1972	Depth 8,200'	Surface Depth 7,670'
Perforations (DL, HRI, RT, etc.) 3752' GR	Name of Fracturing Fluid Morrow	Perforation Depth 7126'	Perforation Depth 7124.38'
Performance 7126' - 7136' 0.47" 2 holes/foot 7723'			
TUBING, CASING, AND CEMENTING RECORD			
HOLE SIZE 11"	CASING & TUBING SIZE 8-5/8"	LENGTH SET 304'	CACKS CEMENT 300 Litepoz "C"
7-7/8"	4-1/2"	7,725'	350 Expanding
2-7/8" & 2-3/8"		7,124.38'	

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test-MCF/D 9600	Length of Test 11 hours	Bbls. Condensate/MCF None	Gravity of Condensate
Testing Method (plot, back pr.) Back Pressure	Tubing Pressure (Shot-in) 2091 psig	Casing Pressure (Shot-in) Packer	Choke Size 16/64"

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

James R. Dutheland
(Signature)
District Production Superintendent
(Title)
December 11, 1972
(Date)

OIL CONSERVATION COMMISSION

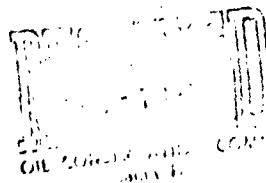
APPROVED DEC 11 1972
BY W. A. L. L. L.
TITLE OIL AND GAS WELL

This form is to be filed in compliance with RULE 1-106.
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 1-11.
All sections of this form must be filled out completely for allowable on new and recompleted wells.
Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter or other such change of condition.
Separate Forms C-104 must be filed for each pool in multiply completed wells.

OIL CONSERVATION COMMISSION

1972-1-10

ARIZONA, NEW MEXICO HATIO



NOTICE OF GAS CONNECTION

DATE December 5, 1972

This is to notify the Oil Conservation Commission that connection for the purchase of gas from the J. M. Huber Corporation Superior U.S.A.
Operator Lease

1 G 11-265-24E Washington El Paso Natural Gas Co.
Well Unit S.T.R. Pool Name of Purchaser

was made on November 29, 1972

Date of first delivery November 30, 1972

El Paso Natural Gas Company
Purchaser

J. E. Vaughan
J.E. Vaughan Representative

Chief Division Engineer
Title

cc: To operator
Oil Conservation Commission - Santa Fe

✓

N. M. O. C. C. COPY

Form 9-330
(Rev. 5-62)UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1. TYPE OF WELL: ☐ OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER

2. TYPE OF COMPLETION: ☒ NEW WELL ☐ WORK OVER ☐ DEEP ☐ PUMP ☐ DEEP ☐ OTHER

3. NAME OF OPERATOR: J.M. Huber Corporation

4. ADDRESS OF OPERATOR: 1900 Wilco Building, Midland, Texas 79701

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements):
At surface 1980' FNL & 2050' FEL Section 11, T-26-S,
R-24-E, Eddy County, New Mexico
At top prod. interval reported below
At total depth

6. LEASE NUMBER: L.C. 061716

7. IF INDIAN, ALLOTTEE OR TRIBE NAME

8. CRIT ADDRESS NAME

9. NAME OF LEASE NAME: Superior - USA

10. WELL NO: 1

11. FIELD AND POOL OR WILDCAT: Washington Ranch Morrow

12. COUNTY: Eddy 13. STATE: New Mexico

14. PERMIT NO.: Blanket 15. DATE ISSUED: 5/31/72

16. DATE TO BE REACHED: 6/3/72 17. DATE COMPLETED (Ready to prod): 7/5/72 18. ELEVATION (IN FEET, BY OR, ETC.): 3752' GR

19. TOTAL DEPTH, MD & TVD: 8,200' 20. PLUG, BACK T.D., MD & TVD: 7,670' 21. IF MULTIPLE COMPLETIONS, HOW MANY? 1 22. INTERVAL DEPTH (FEET): 10' - 8,200'

23. PRODUCING INTERVAL (IN FEET, TOP, BOTTOM, NAME, MD AND TVD): 7126' - 7136' Morrow 24. TYPE ELECTRIC AND OTHER LOGS: Induction, Acoustic-Gamma Ray-Caliper & Contact Caliper 25. WAS DISPOSITIONAL SURVEY MADE: No

26. CARING (IN FEET) (Report all strings set in well):

CARING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLES SET	INVENTION REPORTED	AMOUNT PULLED
8-5/8"	24#	804'	11"	300 sx Class C Litepoz 3-Circ.	None
4-1/2"	10.5#	7723'	7-7/8"	350 sx Expanding Cement	None

27. LINK RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS (CENTS)	SCREEN (MD)
None				

28. TUBING RECORD

SIZE	DEPTH SET (MD)	PAVING SET (MD)
2-7/8"	0-7079.33'	7082.6'
2-3/8"	7085.69-7124.38'	

29. PREPARATION RECORD (Interval, size and number): 0.47" Jet 30. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.: None, natural completion

31. 2 shots/ft. 7126' - 7136'

32. DATE FIRST PRODUCTION: 7/5/72 33. METHOD OF PRODUCTION (Flowing or Shut-in): Flowing

34. DATE OF TEST: 7/11/72 35. HOURS TESTED: 11 36. CHUCK SIZE: 16/64" 37. PRESSURE FOR TEST PERIOD: None 38. ILD: 3514 39. WATER - DBL: None 40. GAS-OIL RATIO: -

41. FLOW, TUBING PRESSURE: 2091psig 42. CARING PRESSURE: 0 43. CALCULATED 24-HOUR RATE: None 44. ILD: None 45. GAS - MCF: 9600 46. WATER - DBL: 0 47. ILL GRADIENT-API (COSE): None

48. DISPOSITION OF GAS (Hold, used for fuel, vented, etc.): Shut - in

49. LIST OF ATTACHMENTS: Log, Attachment to Form 9-330 (DST's), Attachment to C-104 (dev. survey)

50. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED: James R. Sutherland TITLE: District Production Supt. DATE: 7/20/72

* (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 license fees, including the fee of this form and the number of copies to be submitted, particularly with regard to local, State, or Federal procedures and practices, other than those 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 25, below regarding separate reports for separate completions. For each completion, submit a separate report (page) on this form, adequately identified, if not filed prior to the time the summary record is submitted, copies of all currently available logs (depths, depths, sample and core analysis, all types electric, etc.), formation and pressure logs, and directional surveys, should be attached hereto to the extent required by applicable Federal and/or State laws and regulations. All statements should be filed on this form, see item 25.

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

Item 20: "Seeds (over)". Attached supplemental record, for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 23: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

21. SUMMARY OF PRODUCTION DATA		22. GEOLOGIC DATA	
NAME ALL PRODUCTION SITES OF PRODUCTION AND/OR STORAGE; COORD. INTERVALS; AND ALL PRODUCTION DATA, INCLUDING DATE, INTERVAL, PRODUCTION, CUMULATIVE, AND OTHER DATA.		NAME	
PRODUCTION	NAME	NAME	DATE
MORROW	7120	Delaware Sand	705
		Bone Springs	3871
		Dean Sand	5702
		Strawn	6103
		Atoka	6502
		Morrow	6990
		Mississippi	7720
		Woodford	7837
		Devonian	7932
		Total Depth	8200

ATTACHMENT - FORM 9-370
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DRILL STEM TESTS

OPERATOR: J.M. Huber Corporation

LEASE & WELL NUMBER: Superior - USA No. 1

LOCATION: 1980' FNL & 2050' FEL Section 11, T-26-S, R-24-E,
Edgar County, New Mexico

DST #1, 5755-5838' (Dean). Opened tool on 15 minute pre-flow
w/strong blow, no GTS. On final flow GTS in 10 minutes.
TSTM. Recovered 60' DM. No recovery in sample chamber.

IHP	2667#
ISIP	797#/1:00
PFP	N/A /0:15
FFP	67-41#/1:00
FSIP	1168#/2:00
FHP	2667#
BHT	128 Degrees F

DST #2, 7050-7155' (Middle Morrow "A"). Open for 10 minute pre-
flow, GTS 3 minutes, open on 1/2" choke, Gas Volume 3800
MCF at end of 10 minutes, 570 psi. Closed tool 1 hour.
Open on FF on 1" choke, pressure stabilized at 550 psi,
Gas Volume stabilized at 14,200 MCF on 5 minute intervals
to 60 minutes. Recovered 20' condensate cut mud.

IHP	3397#
IFP	643-1092/0:10
ISIP	3116#/1:00
FFP	835-1412/1:00
FSIP	3115#/2:30
FHP	3371#

Sample chamber recovery 2.0 CFG, 60# pressure.

DST #3, 7175-7251' (Lower Morrow "A"). Recovered 60' SW + 60' DM.

IHP	3435#
PFP	67#/0:10
ISIP	3064#/1:00
FFP	93#/0:40
FSIP	3064#/2:00
FHP	3435#
BHT	147 Degrees F

Attachment - Form 9-330
Page 2

Sample Chamber recovery .2 CFG, 1300 cc SW, chlorides
88,000 PPM. Resistivity .08 at 100 degrees. Pre-flow
and final flow had good blow, no GTS.

RECEIVED
JUL 21 1972
U. S. DEPT. OF THE INTERIOR
ARTESIAN NEW MEXICO

RECEIVED

JUL 16 1972

D. F.
ARTES

ATTACHMENT
OIL CONSERVATION COMMISSION FORM C-104

DEVIATION SURVEY

OPERATOR: J.M. Huber Corporation

LEASE & WELL NUMBER: Superior - USA No. 1

LOCATION: 1980' FNL & 2050' FEL Section 11, T-26-S, R-24-E,
Eddy County, New Mexico

<u>Depth</u>	<u>Degrees</u>	<u>Depth</u>	<u>Degrees</u>
100'	1/2	4240'	1-1/4
220'	1/4	4730'	1-1/2
470'	1/2	5220'	1-1/4
740'	1	5730'	1
1293'	1-1/2	5838'	1
1793'	1-1/4	6310'	1
2290'	1-1/2	6680'	1/2
2790'	1-1/4	7150'	3/4
3290'	1	7740'	1/2
3798'	1	8200' T.D.	2-1/2

I do hereby certify that the above information was taken directly
from Delta Drilling Company's survey, and is true and complete to
the best of my knowledge.

RECEIVED
JUL 21 1972

James P. Sutherland
James P. Sutherland
District Production Supt.

Subscribed and sworn to before me this 20th day of July,
1972.

Maria Thornton
Notary Public in and for
Midland County, Texas

My Commission Expires June 1, 1973.

N. M. O. C. C. COKE

Form 7-511
(May 1962)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

EXHIBIT IN TRIMBLE ACT
If any information is to be
submitted, it should be
submitted by the

Form approved
Budget Form No. 40-1120
1. 1962 approved on April 20
LC-061716

4. IF INDEX, ALLOTTED ON THIS PAGE

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 "APPLICATION FOR PERMIT" for such proposals.)

1. OIL <input type="checkbox"/> GAS <input type="checkbox"/> OTHER <input checked="" type="checkbox"/>		7. UNIT ABBREVIATION NAME	
2. NAME OF OPERATOR J. M. Huber Corporation		8. FARM OR LEASE NAME Superior-ORA	
3. ADDRESS OF OPERATOR 1900 Wilco Building, Midland, Texas 79701		9. WELL NO. 1	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) 1980' FHL & 2050' FHL Section 11, T26S, R24E Eddy County, New Mexico		10. FIELD AND POOL, OR WILDCAT Washington Ranch Morrow	
11. PERMIT NO. Blanket		12. COUNTY OR PARISH Eddy	
13. ELEVATIONS (Show whether SP, WT, OR, OR)		14. STATE New Mexico	
3752' GR			

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OF ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	MULTIPLE COMPLETS <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) Production String <input checked="" type="checkbox"/>	

17. DESCRIBE IN DETAIL OR COMPLETED OPERATIONS (If 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 record pertinent to this work.)

Drilled to MTD 8,200'
Ran 4-1/2", 10.5#, K-55 Casing with Guide Shoe, an automatic fill float collar and 15 centralizers. Ran Casing bottom to top as follows: 177 joints (5765.89') ST&C; 28 joints (913.26') ST&C; 33 joints (1044.27') Buttress. Pipe set @ 7723', float collar at 7691'. Cemented with 350 Sx. expanding cement w/ 0.2% D-74 retarder. Good circulation throughout job. Plug down @ 1:33 A.M. CDT 6/29/72. Ran Temperature Survey to 7670' DF. Top of cement @ 6540' DF. Pressure tested Casing to 2000 psi. Held OK. Waited on Cement 159 Hours.

RECEIVED

RECEIVED
JUL 10 1972
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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

SIGNED **J. M. Huber**

TITLE **District Prod. Supt.**

DATE **7/6/72**

(This space for Federal use only)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

JUL 14 1972
U. S. GEOLOGICAL SURVEY
ACTING DISTRICT SUPERVISOR

*See Instructions on Reverse Side

N. M. O. C. C. COPY

Form 5-221
(May 1962)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PERMIT IN TRIPLICATE
(When Information is to
be furnished)

Form approved
Bureau of Reclamation

5. LEASE IDENTIFYING AND DESIGN NO.
L.C. 061716

6. IF INDICATED, ALLOTMENT OR TRACT NAME

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 "APPLICATION FOR PERMIT" for such proposals.)

1. NAME OF OPERATOR
☐ WELL ☐ LAB ☒ OTHER

2. NAME OF OPERATOR
J.M. Huber Corporation

3. ADDRESS OF OPERATOR
1900 Wilco Building, Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

1980' FNL & 2050' FNL Section 11, T-26-S, R-24-E,
Eddy County, New Mexico

14. PERMIT NO. Blanket 15. NOTATIONS (Show whether by, of, or, etc.) 3752' OR

7. CITY OR COUNTY NAME

8. NAME OF LEASE NAME

Superior - USA

9. WELL NO. 1

10. FIELD AND NAME OF WELLS

Washington Ranch Morrow

11. SEC. T. & N. OF SEC. AND

11-26S-24E

12. COUNTY OR PARISH 11. STATE

Eddy New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NATURE OF NOTICE OR REPORT		SUBSEQUENT REPORT ON:	
TEST WATER SHUT-OFF	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>
FRACTURE TESTS	<input type="checkbox"/>	FRACTURE TESTS	<input type="checkbox"/>
SHUT-IN TESTS	<input type="checkbox"/>	SHUT-IN TESTS	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	REPAIR WELL	<input type="checkbox"/>
(Other)	<input type="checkbox"/>	(Other)	<input type="checkbox"/>
WATER SHUT-OFF	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>
FRACTURE TESTS	<input type="checkbox"/>	FRACTURE TESTS	<input type="checkbox"/>
SHUT-IN TESTS	<input type="checkbox"/>	SHUT-IN TESTS	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	REPAIR WELL	<input type="checkbox"/>
(Other)	<input type="checkbox"/>	(Other)	<input type="checkbox"/>

17. WHEN THIS FORM IS SUBMITTED TO THE BUREAU OF RECLAMATION, IT MUST BE ACCOMPANIED BY A COPY OF THE PERMIT TO DRILL, AND A COPY OF THE PERMIT TO PLUG BACK TO A DIFFERENT RESERVOIR, IF SUCH PERMITS HAVE BEEN OBTAINED. (If well is directionally drilled, give subsurface location and measured and true vertical depths for all markers and zones pertinent to this work.)

Spudded @ 4:00 P.M. CDT 6/3/72. Drilled 11" hole to 808' in anhydrite and lime. Set 8-5/8" 240, K-55, STC surface casing at 804'. Cemented with 200 sx class "C" Litepos 3 - 2% CaCl₂ and tailed in with 100 sx class "C" 2% CaCl₂. Cement circulated. Plug down @ 12:15 P.M. CDT 6/5/72. Waited on cement 19 hours. Prior to drilling out, tested BOP and 8-5/8" surface casing to 2000 psi for 30 minutes, held OK.

RECEIVED

JUN 4 1972

D. C. C.
ARTIFICIAL OFFICE

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

SIGNED: *James R. Huber* TITLE: District Prod. Supt. DATE: 6/7/1972

(This space is for use by the State when used)

TITLE: DATE:

APPROVED BY: JUN 11 1972

A. L. BECKMAN

ACTING DISTRICT ENGINEER

*See Instructions on Reverse Side

N. M. O. C. C. CORP.

Form G-1001 (1 May 1968)

SUBMIT IN TRIPlicate
(Other instructions on reverse side)

Form approved
Budget Service No. GS-2142K

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

2. TYPE OF WELL
OIL ☐ GAS ☒ OTHER ☐ SINGLE ☐ MULTIPLE ☐

3. NAME OF OPERATOR
J. M. Huber Corporation

4. ADDRESS OF OPERATOR
1900 Wilco Building, Midland, Texas 79701

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface 1980' FNL & 2050' FNL Section 11, T-26-S,
At proposed prod. zone R-24-E, Eddy County, New Mexico

6. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
9.4 miles southwest of White City, New Mexico

7. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(Also to deepest drg. well line, if any)
- 660' 2005.18

8. DEPTH OF PROPOSED WELL, FEET
Approx. 6600' 8,200'

9. DEPTH OF PROPOSED WELL, FEET
Approx. 6600' 8,200'

10. DEPTH OF PROPOSED WELL, FEET
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RECEIVED
JUN - 2 1972
OIL CONSERVATION COMM.
Santa Fe

Footage Collection

RECEIVED MAY 31 1972
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

O. C. C.
ARTESIA, NEW MEXICO

IF ABOVE SPACE DESCRIBES PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED James R. Sullivan TITLE District Prod. Supt. DATE May 30, 1972
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
TITLE _____ DATE _____
APPROVED
MAY 31 1972
R. L. BECKMAN
ACTING DISTRICT ENGINEER

Form G-201-C
(May 1962)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE
(Include instructions on
reverse side)

Form Approved
Budget Bureau No. 49-21428

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

2. TYPE OF WELL
OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE RIG ☐ MULTIPLE RIGS ☐

3. NAME OF OPERATOR
J.M. Huber Corporation

4. ADDRESS OF OPERATOR
1900 Wilco Building, Midland, Texas 79701

5. LOCATION OF WELL (Specify location clearly and in accordance with any State requirements.)
At surface 1980' FINEEL Section 11, T-26-S, R-24-E, Eddy
County, New Mexico
At proposed prod. hole

6. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
9.4 miles southwest of White City, New Mexico

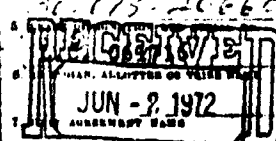
7. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(Also to nearest d'g. well line, if any) 660'

8. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETION, OR OTHER FOR, OF THIS LEASE, FT.
Approx. 6600'

9. ELEVATIONS (Show whether DP, RT, GR, etc.)
OR 3752'

10. PROPOSED Casing and Cementing Program

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8-5/8"	24#	900'	300 bx.
7-7/8"	4-1/2"	10.5#	7,800'	150 bx.



11. FIELD AND WELL OR WILDCAT
Washington Ranch Morrow

12. DIST. OF WELL FROM SURFACE
11-265-24E

13. COUNTY OF PROPOSED WELL
Eddy

14. STATE
New Mexico

15. DIST. OF WELL FROM SURFACE
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RECEIVED

APR 17 1972

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

11. ABOVE STATE DESCRIBED PROPOSED PROGRAM: If proposed to be deepened or plugged back, give data on present productive zone and proposed new productive zone. If proposed to be drilled or deepened directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout prevention program, if any.

12. SIGNATURE OF OPERATOR
James R. Sutherland
TITLE District Prod. Supt. DATE April 14, 1972
(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

APPROVED
MAY 25 1972
R. C. BECKMAN
ACTING DISTRICT ENGINEER
THIS APPROVAL IS RESCINDED IF OPERATOR
HAS NOT COMMENCED WITHIN 3 MONTHS
AUG 25 1972

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

RECEIVED

John G. Galt
Secretary
June 14, 1972

All distances must be from the outer boundaries of the Section

Operator J.M. HUBER CORP.	Section Sup. U.S.A.	Well No. Sup. U.S.A. #1
Tract No. 11	Tract No. 265	Tract No. 24E
County EDDY		

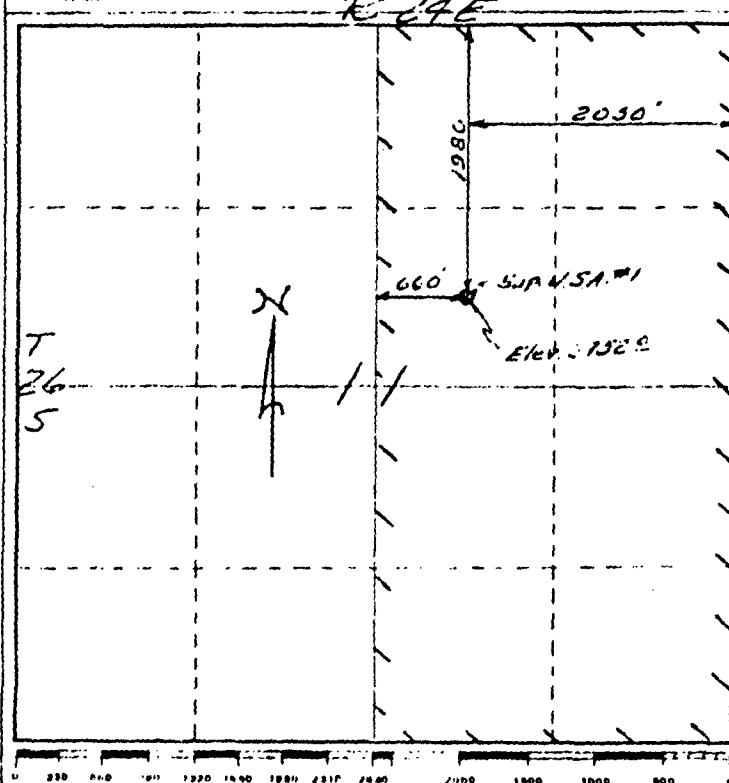
A. Well Location (Latitude & Longitude) 660	Section 14	Year 1980	North
Tract No. 32912	Tract No. MORROW	Tract No. WASHINGTON LANCH	Tract No. 320

- Outline the acreage dedicated to the subject well by colored pencil or hand-drawn lines.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (based on working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the ownership thereof consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes" type of consolidation _____

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

James P. Sutherland
James P. Sutherland

District Prod. Supt.

J.M. Huber Corporation

April 14, 1972

RECEIVED

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

APR 12, 1972

Charles J. O'Brien
Charles J. O'Brien

N.M. # 3954

EDDY COUNTY NEW MEXICO WASHINGTON RANCH FIELD
Well: J. M. HUBER CORP, 1 Superior-USA Result: GAS DG
Loc'n: Sec 11-26S-24E; 1980' FNL, 2050' FEL Sec

Spud: 6-3-72; Comp: 7-5-72; Elev: 3752' Grd; TD: 8200'

Casing: 8-5/8" 804'/300 ex; 5-1/2" 7723'/350 ex

Prod Zone: (Morrow), T/Pay 7126', Prod thru Perfs 7126-36'

IPCAOF: 10,484,000 CFCPD

Comp Info: DST 5755-5838', op 1 hr, rec 60' mud, ISIP 979#/1 hr, FP 67-41#, FSIP 1168#/2 hrs; DST 7050-7155', op 1 hr & 10 mins, CTS 3mins, est 3,800,000 CFCPD 1/2" ch, flwd 14,200,000 CFCPD 1" ch, rec 20' cond cut mud, ISIP 3116#/1 hr, FP 835-1412#, FSIP 3115#/2 hrs & 30 mins; DST 7175-7251', op 50 mins, rec 60' mud, 60' SW, ISIP 3064#/1 hr, FP 67-93#, FSIP 3064#/2 hrs; C/Delta Drig Co; natural wdl

Topo EL: Dela Sd 705', Bone Spring 3871', Dean Sd 5702', Strawn 6103', Atoka 6502', Morrow 6990', Miss 7720', Wdld 7837', Dev 7932'

API No: 30-015-20660

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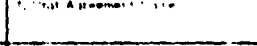




Petroleum Information Corporation

Date: 8-30-72


Card No.: 13 dh

1. The first step is to identify the problem or question that needs to be addressed.

U.S. Identification No. of Ship	
Home 	Flag 
Name of Ship	
E-134	
	
1. Date of Agreement to Sell	
	
2. Name of Seller	
GILBERT	
3. Address	
1	
4. Field of Activity of Agent	
Unindicated	
	
5. Country	
Eddy	
	

SUNDRY NOTICES AND REPORTS ON WELLS

SUNDAY NOTICES AND REPORTS ON WELLS

1. Name of well		2. Date A prospect was made	
OIL WELL <input checked="" type="checkbox"/>	GAS WELL <input type="checkbox"/>		
3. Name of owner		4. Name of leasehold	
Black River Corporation		Globe Inc.	
5. Address of owner		6. Well No.	
620 Commercial Bank Tower, Dallas, Texas 75201		1	
7. Location of well		8. Field name, if known	
UNIT LEFT 0 P 469 FEET FROM TOP South TIME AND 77.2 FEET FROM		Undesignated	
THE East LINE SECTION 32 TOWNSHIP RANGE S RMPW			
9. How Run (Name, whether H.E., B.L., etc.)		10. County	
3227 S BL		Eddy	

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
<input type="checkbox"/> 1. Sell, lease, or otherwise dispose of the property	<input type="checkbox"/> 1. Sell, lease, or otherwise dispose of the property
<input type="checkbox"/> 2. Transfer the property to another person	<input type="checkbox"/> 2. Transfer the property to another person
<input type="checkbox"/> 3. Remove the property from the jurisdiction	<input type="checkbox"/> 3. Remove the property from the jurisdiction
<input type="checkbox"/> 4. Destroy, deface, or otherwise damage the property	<input type="checkbox"/> 4. Destroy, deface, or otherwise damage the property
<input type="checkbox"/> 5. Use the property for a purpose not intended by the owner	<input type="checkbox"/> 5. Use the property for a purpose not intended by the owner
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PERFORM COMPARISON WITH	FILE AND ABANDON	OTHER FILE WORK	ALTERING COPIES
TEMPORARILY (REASON)		REMOVED TO HOLDING SPAC	PLUGGER ABANDONMENT
PULL OR ALTER EDITION	CHANGE PLANS	PAVING TEST AND CEMENT JOB	
OTHER			

17. Information requested by completed questionnaire fully discloses all pertinent details, and give pertinent data, including estimated date of starting and proposed new/BSR RULE 1103.

May 2nd, 1976.

After receiving verbal permission, the well was plugged in the following manner:

- (1) Set plug # 6344¹ to 6212¹ - 35 weeks class II next cement
- (2) Set plug # 6445¹ to 5833¹ - 35 weeks class II next cement
- (3) Set plug # 6649¹ to 5617¹ - 35 weeks class II next cement
- (4) Set plug # 3721¹ to 3680¹ - 35 weeks class II next cement
- (5) Set plug # 1899¹ to 1907¹ - 35 weeks class II next cement
- (6) Set plug # 6872¹ to 6583¹ - 35 weeks class II next cement
- (7) Set plug # 30¹ to surface - 10 weeks class II next cement
- (8) Installed dry hole marker

Job completed @ 7:00 P.M.

Will notify O.C.C. when location is ready for final inspection.

I, [] hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Kenne Jewell TITLE Vice President , DATE 1-11-71

APPROVED BY *[Signature]* OIL AND GAS INSPECTOR APR 14 1977

CONDITIONS OF APPROVAL, IF ANY:

OIL AND GAS INSPECTION

APR 14 1977

NO. OF COPIES RECEIVED	6
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SANTA FE	1
FILE	1
U.S.O.B.	1
LAND OFFICE	1
OPERATOR	1

NEW MEXICO OIL CONSERVATION COMMISSION WELL COMPLETION OR RECOMPLETION REPORT AND LOG

JUN 14 1974

State	<input checked="" type="checkbox"/> NM	Fee	<input type="checkbox"/>
Well No.	E-1034		

10. TYPE OF WELL				11. TYPE OF COMPLETION			
01. WELL <input checked="" type="checkbox"/> 02. WELL <input type="checkbox"/> 03. WELL <input type="checkbox"/> 04. WELL <input type="checkbox"/> 05. WELL <input type="checkbox"/> 06. WELL <input type="checkbox"/> 07. WELL <input type="checkbox"/> 08. WELL <input type="checkbox"/> 09. WELL <input type="checkbox"/> 10. WELL <input type="checkbox"/> 11. WELL <input type="checkbox"/> 12. WELL <input type="checkbox"/> 13. WELL <input type="checkbox"/> 14. WELL <input type="checkbox"/> 15. WELL <input type="checkbox"/> 16. WELL <input type="checkbox"/> 17. WELL <input type="checkbox"/> 18. WELL <input type="checkbox"/> 19. WELL <input type="checkbox"/> 20. WELL <input type="checkbox"/> 21. WELL <input type="checkbox"/> 22. WELL <input type="checkbox"/> 23. WELL <input type="checkbox"/> 24. WELL <input type="checkbox"/> 25. WELL <input type="checkbox"/> 26. WELL <input type="checkbox"/> 27. WELL <input type="checkbox"/> 28. WELL <input type="checkbox"/> 29. WELL <input type="checkbox"/> 30. WELL <input type="checkbox"/> 31. WELL <input type="checkbox"/> 32. WELL <input type="checkbox"/> 33. WELL <input type="checkbox"/> 34. WELL <input type="checkbox"/> 35. WELL <input type="checkbox"/> 36. WELL <input type="checkbox"/> 37. WELL <input type="checkbox"/> 38. WELL <input type="checkbox"/> 39. WELL <input type="checkbox"/> 40. WELL <input type="checkbox"/> 41. WELL <input type="checkbox"/> 42. WELL <input type="checkbox"/> 43. WELL <input type="checkbox"/> 44. WELL <input type="checkbox"/> 45. WELL <input type="checkbox"/> 46. WELL <input type="checkbox"/> 47. WELL <input type="checkbox"/> 48. WELL <input type="checkbox"/> 49. WELL <input type="checkbox"/> 50. WELL <input type="checkbox"/> 51. WELL <input type="checkbox"/> 52. WELL <input type="checkbox"/> 53. WELL <input type="checkbox"/> 54. WELL <input type="checkbox"/> 55. WELL <input type="checkbox"/> 56. WELL <input type="checkbox"/> 57. WELL <input type="checkbox"/> 58. WELL <input type="checkbox"/> 59. WELL <input type="checkbox"/> 60. WELL <input type="checkbox"/> 61. WELL <input type="checkbox"/> 62. WELL <input type="checkbox"/> 63. WELL <input type="checkbox"/> 64. WELL <input type="checkbox"/> 65. WELL <input type="checkbox"/> 66. WELL <input type="checkbox"/> 67. WELL <input type="checkbox"/> 68. WELL <input type="checkbox"/> 69. WELL <input type="checkbox"/> 70. WELL <input type="checkbox"/> 71. WELL <input type="checkbox"/> 72. WELL <input type="checkbox"/> 73. WELL <input type="checkbox"/> 74. WELL <input type="checkbox"/> 75. WELL <input type="checkbox"/> 76. WELL <input type="checkbox"/> 77. WELL <input type="checkbox"/> 78. WELL <input type="checkbox"/> 79. WELL <input type="checkbox"/> 80. WELL <input type="checkbox"/> 81. WELL <input type="checkbox"/> 82. WELL <input type="checkbox"/> 83. WELL <input type="checkbox"/> 84. WELL <input type="checkbox"/> 85. WELL <input type="checkbox"/> 86. WELL <input type="checkbox"/> 87. WELL <input type="checkbox"/> 88. WELL <input type="checkbox"/> 89. WELL <input type="checkbox"/> 90. WELL <input type="checkbox"/> 91. WELL <input type="checkbox"/> 92. WELL <input type="checkbox"/> 93. WELL <input type="checkbox"/> 94. WELL <input type="checkbox"/> 95. WELL <input type="checkbox"/> 96. WELL <input type="checkbox"/> 97. WELL <input type="checkbox"/> 98. WELL <input type="checkbox"/> 99. WELL <input type="checkbox"/> 100. WELL <input type="checkbox"/>				1. Name of Operator Black River Corporation			
2. Address of Operator				3. Address of Operator			
620 Commercial Bank Tower, Midland, Texas 79701				4. Location of Well			
UNIT LETTER: F LOCATED: 443 FEET FROM THE: South LINE AND: 772 FEET FROM: Eddy				5. Type of Completion			
15. Total Depth: 5-9-76				16. Total Depth: 5-28-76			
17. Type of Completion: Dryhole				18. Type of Completion: Dryhole			
19. Total Depth: 6636'				20. Total Depth: 6636'			
21. Type of Completion: Dryhole				22. Type of Completion: Dryhole			
23. Type of Completion: Dryhole				24. Type of Completion: Dryhole			
25. Type of Completion: Dryhole				26. Type of Completion: Dryhole			
27. Type of Completion: Dryhole				28. Type of Completion: Dryhole			
29. Type of Completion: Dryhole				30. Type of Completion: Dryhole			
31. Type of Completion: Dryhole				32. Type of Completion: Dryhole			
33. Type of Completion: Dryhole				34. Type of Completion: Dryhole			
35. Type of Completion: Dryhole				36. Type of Completion: Dryhole			
37. Type of Completion: Dryhole				38. Type of Completion: Dryhole			
39. Type of Completion: Dryhole				40. Type of Completion: Dryhole			
41. Type of Completion: Dryhole				42. Type of Completion: Dryhole			
43. Type of Completion: Dryhole				44. Type of Completion: Dryhole			
45. Type of Completion: Dryhole				46. Type of Completion: Dryhole			
47. Type of Completion: Dryhole				48. Type of Completion: Dryhole			
49. Type of Completion: Dryhole				50. Type of Completion: Dryhole			
51. Type of Completion: Dryhole				52. Type of Completion: Dryhole			
53. Type of Completion: Dryhole				54. Type of Completion: Dryhole			
55. Type of Completion: Dryhole				56. Type of Completion: Dryhole			
57. Type of Completion: Dryhole				58. Type of Completion: Dryhole			
59. Type of Completion: Dryhole				60. Type of Completion: Dryhole			
61. Type of Completion: Dryhole				62. Type of Completion: Dryhole			
63. Type of Completion: Dryhole				64. Type of Completion: Dryhole			
65. Type of Completion: Dryhole				66. Type of Completion: Dryhole			
67. Type of Completion: Dryhole				68. Type of Completion: Dryhole			
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73. Type of Completion: Dryhole				74. Type of Completion: Dryhole			
75. Type of Completion: Dryhole				76. Type of Completion: Dryhole			
77. Type of Completion: Dryhole				78. Type of Completion: Dryhole			
79. Type of Completion: Dryhole				80. Type of Completion: Dryhole			
81. Type of Completion: Dryhole				82. Type of Completion: Dryhole			
83. Type of Completion: Dryhole				84. Type of Completion: Dryhole			
85. Type of Completion: Dryhole				86. Type of Completion: Dryhole			
87. Type of Completion: Dryhole				88. Type of Completion: Dryhole			
89. Type of Completion: Dryhole				90. Type of Completion: Dryhole			
91. Type of Completion: Dryhole				92. Type of Completion: Dryhole			
93. Type of Completion: Dryhole				94. Type of Completion: Dryhole			
95. Type of Completion: Dryhole				96. Type of Completion: Dryhole			
97. Type of Completion: Dryhole				98. Type of Completion: Dryhole			
99. Type of Completion: Dryhole				100. Type of Completion: Dryhole			

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 30 days after the completion of any new, reworked or deepened well. It shall be accompanied by one copy of all electrical and other log run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured to the top of the formation. In the case of directionally drilled wells, true vertical depth shall also be reported. For multiple completions, items 30 through 34 shall be reported for each zone. The form is to be filed in duplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southwestern New Mexico

Northwestern New Mexico

T. Anhy	T. Canyon	T. Oak Alamo	T. Penn. "H"
T. Salt	T. Strawn	T. Kirtland Frontland	T. Penn. "G"
T. Salt	T. Ancho	T. Pictured Cliffs	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House	T. Louisville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Mochoya	T. Mancos	T. McCracken
T. San Andres	T. Simpson	T. Gilaup	T. Ignac or Quete
T. Glorieta	T. McKee	T. Bone Greenhorn	T. Granite
T. Paradox	T. Ellenburger	T. Dakota	
T. Blinberry	T. Gr. Wash	T. Morrison	
T. Tule	T. Granite	T. Tuleito	
T. Drinkard	T. Delaware Sand	T. Entrada	
T. Abo	T. Bone Springs	T. Wingate	
T. Wolfcamp	T. 3rd Bone Spring	T. Chale	
T. Penn.		T. Permian	
T. Clara (Dough C)		T. Penn. "A"	

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
Surface	490	490	Sand, Gravel & Anhydrite				
490	3654	3164	Delaware Sand				
3654	5575	1921	Bone Springs				
5575	5767	192	3rd Bone Springs				
5767	6052	285	Perm. Chale				
6052	TD	524	Strawn				

NEW MEXICO

BLACK RIVER CORPORATION

6/17/62 9 00PM 1000 0/10

7

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LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form No. 1
Supersedes 1112
1-101 and 1-101
Effective 1-1-64

1a. Indicate Type of Lease	State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
1b. Lease No. (See Form No. 1)	K 6034
2. Unit Agreement Name	
3. Name of Operator	Black River Corporation
4. Address of Operator	620 Commercial Bank Tower, Midland, Texas 79701
5. Location of Well	UNIT LETTER P 469 FEET FROM THE South LINE AND 7'4 FEET FROM THE East LINE, SECTION 32 TOWNSHIP 25 RANGE 24
6. Name of Well (If Well is Indefinite)	Indefinite
7. County	El Paso

SUNDY NOTICES AND REPORTS ON WELLS
DO NOT USE THIS FORM FOR OPERATORS TO FILE OR TO REPORT ON WELLS TO A DIFFERENT OPERATOR. USE "APPLICATION FOR PERMIT" (Form C-101) FOR SUCH PURPOSES.

1. ☒ OIL WELL ☐ GAS WELL ☐ OTHER

2. Name of Operator
Black River Corporation

3. Address of Operator
620 Commercial Bank Tower, Midland, Texas 79701

4. Location of Well
UNIT LETTER P 469 FEET FROM THE South LINE AND 7'4 FEET FROM THE East LINE, SECTION 32 TOWNSHIP 25 RANGE 24

5. Name of Well (If Well is Indefinite)
Indefinite

6. County
El Paso

17. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REPAIRS: WORK <input type="checkbox"/>	ALL OTHERS: CAUSE <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	FOUMENTS: HOLDING OPER <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST OR EMERGENCY JOBS <input type="checkbox"/>	OTHER <input checked="" type="checkbox"/>

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief. (SEE RULE 1103.)

May 12, 1976

After W.O.C. 47 1/4 hours, commenced drilling at 2 1/2" rate to 613'. At this point the interval 613 to 614 was moved from vertical to approximately 120'. Copy of this analysis to be furnished. The interval 614 to 615 was RTT run to 620' and the interval 620 to 621 was RTT run to 621'. Pressure was not read. At this point well was 155' with DII and BHC GR. Copy of logs to be furnished. Continued drilling to 621' with W.O.C. 47. Ran Gamma Ray Neutron Test.

RECEIVED

JUN 5 1976

O. C. C.
ANTERIOR OFFICE

19. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED: Ronnie Anderson TITLE: Vice President DATE: 5-12-76

APPROVED BY: W. J. Guscott TITLE: SUPERVISOR, DISTRICT II DATE: JUN 4 1976

CONDITIONS OF APPROVAL, IF ANY:

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LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form 1-62
Superseded by
6-102 and 6-103
Effective 1-1-75

5a. Indicate Type of Lease
State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.
K 6034
7. Unit Agreement Name
8. Unit Agreement Date
9. Well No.
1
10. Depth of Well, or Aft. B.
Undesignated
12. County
Eddy

SUNDRY NOTICES AND REPORTS ON WELLS
DO NOT USE THIS FORM FOR PURPOSES TO BE FILLED OR TO BE USED FOR PLUGS OR A DIFFERENT PURPOSE.
USE "APPLICATION FOR PERMIT TO DRILL OR TO RE-ENTER A WELL" FOR SUCH PURPOSES.

1. ☒ OIL WELL ☐ GAS WELL ☐ OTHER

2. Name of Operator
Black River Corporation

3. Address of Operator
620 Commercial Bank Tower, Midland, Texas 79701

4. Locality of Well

UNIT LETTER **P** **469** FEET FROM THE **South** LINE AND **744** FEET FROM THE **East** LINE, SECTION **32** TOWNSHIP **25** RANGE **24** NMPM

15. Location (Show whether DE, RT, LR, etc.)
3247.5 GL

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	COMMENCE DRILLING OPER. <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>
OTHER <input type="checkbox"/>	OTHER <input type="checkbox"/>
PLUG AND ABANDON <input checked="" type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
CHANGE PLANS <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>

17. Describe in Required or Complete Responses (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

It is our intention to plug the well in the following manner:
20-6634

- (1) Receive verbal permission from EMBOC
- (2) Set plug @ 6344' to 6312' - 35 sacks class II neat cement
- (3) Set plug @ 5945' to 5933' - 35 sacks class II neat cement
- (4) Set plug @ 5649' to 5617' - 35 sacks class II neat cement
- (5) Set plug @ 5321' to 5300' - 35 sacks class II neat cement
- (6) Set plug @ 1989' to 1967' - 35 sacks class II neat cement
- (7) Set plug @ 627' to 555' - 35 sacks class II neat cement
- (8) Set plug @ 30' to surface - 10 sacks class II neat cement
- (9) Install dry hole marker
- (10) Clean location

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18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

PREPARED BY Rossie Lender TITLE Vice President DATE 6-8-76

APPROVED BY W. A. Linnert TITLE SUPERVISOR DISTRICT II DATE JUN 9 1976

CONDITIONS OF APPROVAL, IF ANY:

COUNTY OF SANTIAGO
 DISTRICT OF SANTIAGO
 LAND OFFICE
 OPERATION

NEW MEXICO OIL CONSERVATION COMMISSION

JUN 7 1976

0115

DISTRICT OFFICE
 SANTIAGO, N.M.
 1100 11th Street

DISTRICT OFFICE
 SANTIAGO, N.M.
 1100 11th Street

SUNDY NOTICES AND REPORTS ON WELLS

1. NAME OF OPERATOR Black River Corporation		2. NAME OF WELL Black River	
3. ADDRESS OF OPERATOR 620 Commercial Bank Tower, Midland, Texas 79701		4. NAME OF WELL Black River	
5. LOCATION OF WELL 32 East, Section 32, Township 25, Range 24		6. NAME OF WELL Black River	
7. NAME OF WELL Black River		8. NAME OF WELL Black River	

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO: PERFORM WORK ON WELL <input type="checkbox"/> TEMPORARILY ABANDON WELL <input type="checkbox"/> PERFORM WORK ON WELL <input type="checkbox"/>	SUBSEQUENT REPORT OF: PERFORM WORK ON WELL <input type="checkbox"/> TEMPORARILY ABANDON WELL <input type="checkbox"/> PERFORM WORK ON WELL <input type="checkbox"/>
--	--

1. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Set (25) 8 1/2" 24" E-45 (E-45) C-45 (E-45) C-45, casing, used 22 sacks of 1 well 11 1/2 wt. cement and 22 sacks of clean cement, job complete at 1:30 a.m. May 10, 1976. Will work a minimum of 24 hours.

Spud @ 2:00 a.m. on 5/11/76.

Used 9 1/2 cubic yards Ready Mix - cemented to approximately 25' from the surface - used 20 sacks cement to bring to surface level. 2,000 lb. 4" 1/4" valve. 3,000 lbs & tested hydro 1/2 back pressure valve @ 1,000 lbs. See attached pressure test.

RECEIVED

JUN 7 1976

O.C.C.

DISTRICT OFFICE

1. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Ronnie Souders TITLE Vice President DATE 5-22-76

APPROVED BY W. A. Gresson TITLE SUPERVISOR, DISTRICT II DATE JUN 7 1976

CONDITIONS OF APPROVAL, IF ANY:

HAICK RIVER CORPORATION
Citron State #1, Y-4524
469' FSL & 722' TBL
Section 30: T-24-0, R-24-0
Eddy County, New Mexico

WELL REPORT -----

May 9, 1976

Spud @ 1:45 AM on 5-9-76. Lost Circ. @ 200' - drilled dry. 18 3/4 hrs rotation. Formation sand & gravel, anhydrite on bottom. Set 8 5/8" csg @ 624' in 12 1/4" hole.

May 10, 1976

Plug down @ 6:45 AM on 5-10-76. Dev. 1/4" @ 196' & 3/4" @ 624'. WOC.

May 11, 1976

WOC. 5 hrs nipping up.

May 12, 1976

2 hrs NU & 20 3/4 hrs tstg. Tstg BOP & valves @ 3,000 lbs & tstg hydrill & back pressure valve @ 1,500 lbs. Going in hole to start drlg @ 6:00 AM.

May 13, 1976

Drlg @ 1280', lime & shale. Made 656' in 24 hrs, 18 1/2 hrs drlg. Drlg w/water. Running 30,000 lbs wt, @ 50 RIM & 15,000 lbs pump pressure.

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MAY 14 1976

U. C. C.
ARIZONA OFFICE

BLACK RIVER CORPORATION
Citizen State #1, K-6034
400' FSL & 244' FSL
Section 32: T-25-S, R-24-E
Eddy County, New Mexico

WELL REPORT -----

May
April 9, 1976

Spud @ 1:45 AM on 5-9-76. Lost Circ. @ 200' - drilled dry. 18 3/4 hrs rotation.
Formation Sand & Gravel, Anhydrite on bottom. Set R 5/8" cng @ 624' in 12 1/4" hole.

May
April 10, 1976

Plug down @ 6:45 AM on 5-10-76. Dev. 1/4" @ 196' & 3/4" @ 624'. WOC.

May
April 11, 1976

WOC. 5 hrs nipping up.

May
April 12, 1976

2 hrs NU & 20 3/4 hrs tatg. Tatg BOP & Valves @ 3,000 lbs & tatg Hydrill & back pressure valve @ 1,500 lbs. Going in hole to start drlg @ 6:00 AM.

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OPERATOR

AMENDED APPLICATION
NEW MEXICO OIL CONSERVATION COMMISSION
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30 014-31742

MAY 7 1976

O. C. C.

1. A. Indicate type of Lease
LEASE ☒ PERMIT ☐

2. Permit or Lease No.
K-034

3. Unit Agreement Name

4. Term of Lease Time
Cities State

5. Well No.
1

6. Well and Loc. or Wildcat
Black River Corporation
620 Commercial Bank Tower, Midland, Texas 79701

7. County
Eddy

8. Well No.
3147.5

9. Statewide on File
Capitan Drilling Co., Inc.

10. Rotary
5-7-76

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 ☐

c. Name of Operator
Black River Corporation

d. Address of Operator
620 Commercial Bank Tower, Midland, Texas 79701

e. Location of Well
F 469 2' from the South

f. Well No.
3147.5

g. Statewide on File
Capitan Drilling Co., Inc.

h. Rotary
5-7-76

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4"	8 5/8"	24#	600	Circulate to surface	
7 7/8"	4 1/2"	10.5#	6100	275.2 cks	

We propose to drill a 12 1/4" hole to approximately 600'. After setting 8 5/8" casing and circulating cement to surface will then W.O.C. a minimum of 24 hours. From this point will drill 7 7/8" hole to 6100'. A double run B.O.I. will be used from 8 5/8" casing point to total depth. If well appears productive, 4 1/2" production casing will be set at total depth. See attached mud program

Note: The reason for this amendment is that the original location of 330' FGL and 330' FEL proved too rough and a more suitable location was found at 469' FGL and 469' FEL.

APPROVAL VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED.

EXPIRES 8-12-76

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM IF PROPOSED TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTION ZONE AND PROPOSED NEW PRODUCTION ZONE. GIVE BLENDING PRESENT PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed Ronnie Sowder Title Vice President Date 5-6-76

(This space for State Use)

APPROVED BY W. P. Swartz TITLE SUPERVISOR, DISTRICT II DATE MAY 12 1976

CONDITIONS OF APPROVAL, IF ANY:

Cement must be circulated to
surface behind 8 5/8" casing

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-112
Supersedes O-110
Effective 1-1-65

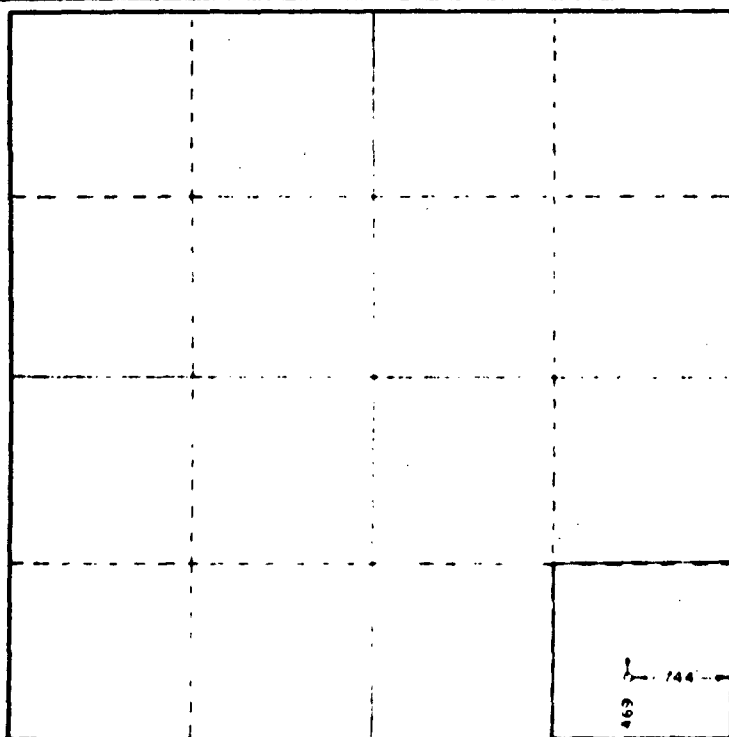
All distances must be from the corner boundaries of the Section

Operator Black River Corporation		County Citrus State		Well 1
Section P	Range 32	Meridian 25 South	Block 24 East	Tract Eddy
Actual true top location of Well: 469 feet from the South line and 744 feet from the East line				
Ground level flow 3847.5	Water level Stagnant	Applicant's name Inding		Well depth 40 feet

- Outline the acreage dedicated to the subject well by colored pencil or barbed marks on the plat below.
 - If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
 - If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, forced-pooling, etc?
- ☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated (on reverse side of this form if necessary).

No allowable will be assigned to the well until all interests have been consolidated by communitization, unitization, forced-pooling, or otherwise or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

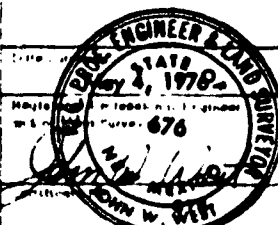
Ronnie Lowless

Vice President

Black River Corporation

5-6-76

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.



BLACK RIVER CORROSION
Attachment to Form C-101
Citrus State #1
330' FSL 330' FSL
Section 32: T-25-S, R-24-E
Lease K-6034, Eddy County, New Mexico

Mud Program:

The surface hole will be drilled with high viscosity gelled water containing 5 to 8 pounds per barrel of loss circulation material. The production hole will be drilled with fresh water containing lime and corrosion inhibitor to a depth of approximately 5600'. At the depth of approximately 5600', the contractor will commence converting the existing drilling fluid system to a system composed of MageeGel, Benmax, Siga and Soda Ash. This system is to be maintained with the following required characteristics:

Weight: 8.6 to 9.0 pounds per gallon, or consistent with preventing excessive gas cutting of the system.

Viscosity: 34 to 36 or more seconds per thousand cP.

Water loss: 10.0 cc or less.

Sufficient material will be available to raise the weight as required. No Wolfcamp section is present.

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Form No. 1
Revised 1-1-68

50 015-21742

1. A. Is this the type of lease?	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
2. Is this a government lease?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
3. Is this a mineral lease?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
4. Is this a royalty lease?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
5. Is this a production lease?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
6. Is this a leasehold interest?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
7. Is this a leasehold interest?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
8. Is this a leasehold interest?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
9. Is this a leasehold interest?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
10. Is this a leasehold interest?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
11. Is this a leasehold interest?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
12. Is this a leasehold interest?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
13. Is this a leasehold interest?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
14. Is this a leasehold interest?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
15. Is this a leasehold interest?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
16. Is this a leasehold interest?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
17. Is this a leasehold interest?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
18. Is this a leasehold interest?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
19. Is this a leasehold interest?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
20. Is this a leasehold interest?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
21. Is this a leasehold interest?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
22. Is this a leasehold interest?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
23. Is this a leasehold interest?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
24. Is this a leasehold interest?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
25. Is this a leasehold interest?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
26. Is this a leasehold interest?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
27. Is this a leasehold interest?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
28. Is this a leasehold interest?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
29. Is this a leasehold interest?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
30. Is this a leasehold interest?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
31. Is this a leasehold interest?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
32. Is this a leasehold interest?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
33. Is this a leasehold interest?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
34. Is this a leasehold interest?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
35. Is this a leasehold interest?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
36. Is this a leasehold interest?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
37. Is this a leasehold interest?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
38. Is this a leasehold interest?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
39. Is this a leasehold interest?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
40. Is this a leasehold interest?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
41. Is this a leasehold interest?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
42. Is this a leasehold interest?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
43. Is this a leasehold interest?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
44. Is this a leasehold interest?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
45. Is this a leasehold interest?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
46. Is this a leasehold interest?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
47. Is this a leasehold interest?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
48. Is this a leasehold interest?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
49. Is this a leasehold interest?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
50. Is this a leasehold interest?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. Type of Well	DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>
2. Type of Well	ARTESIAN <input checked="" type="checkbox"/> SURFACE <input type="checkbox"/> UNDERGROUND <input type="checkbox"/>
3. Name of Operator	Black River Corporation
4. Address of Operator	620 Commercial Bank Tower, Midland, Texas 79701
5. Name of Landowner	
6. Address of Landowner	
7. Name of Lessee	
8. Address of Lessee	
9. Name of Agent	
10. Address of Agent	
11. Name of Engineer	
12. Address of Engineer	
13. Name of Geologist	
14. Address of Geologist	
15. Name of Surveyor	
16. Address of Surveyor	
17. Name of Driller	
18. Address of Driller	
19. Name of Cementer	
20. Address of Cementer	
21. Name of Inspector	
22. Address of Inspector	
23. Name of Supervisor	
24. Address of Supervisor	
25. Name of Operator	
26. Address of Operator	
27. Name of Landowner	
28. Address of Landowner	
29. Name of Lessee	
30. Address of Lessee	
31. Name of Agent	
32. Address of Agent	
33. Name of Engineer	
34. Address of Engineer	
35. Name of Geologist	
36. Address of Geologist	
37. Name of Surveyor	
38. Address of Surveyor	
39. Name of Driller	
40. Address of Driller	
41. Name of Cementer	
42. Address of Cementer	
43. Name of Inspector	
44. Address of Inspector	
45. Name of Supervisor	
46. Address of Supervisor	
47. Name of Operator	
48. Address of Operator	
49. Name of Landowner	
50. Address of Landowner	
51. Name of Lessee	
52. Address of Lessee	
53. Name of Agent	
54. Address of Agent	
55. Name of Engineer	
56. Address of Engineer	
57. Name of Geologist	
58. Address of Geologist	
59. Name of Surveyor	
60. Address of Surveyor	
61. Name of Driller	
62. Address of Driller	
63. Name of Cementer	
64. Address of Cementer	
65. Name of Inspector	
66. Address of Inspector	
67. Name of Supervisor	
68. Address of Supervisor	
69. Name of Operator	
70. Address of Operator	
71. Name of Landowner	
72. Address of Landowner	
73. Name of Lessee	
74. Address of Lessee	
75. Name of Agent	
76. Address of Agent	
77. Name of Engineer	
78. Address of Engineer	
79. Name of Geologist	
80. Address of Geologist	
81. Name of Surveyor	
82. Address of Surveyor	
83. Name of Driller	
84. Address of Driller	
85. Name of Cementer	
86. Address of Cementer	
87. Name of Inspector	
88. Address of Inspector	
89. Name of Supervisor	
90. Address of Supervisor	
91. Name of Operator	
92. Address of Operator	
93. Name of Landowner	
94. Address of Landowner	
95. Name of Lessee	
96. Address of Lessee	
97. Name of Agent	
98. Address of Agent	
99. Name of Engineer	
100. Address of Engineer	

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
13 1/2"	9 5/8"	30#	100'	Circulate to surface	
7 7/8"	4 1/2"	10.5#	1100'	225 sacks	

We propose to drill a 13 1/2" hole to approximately 100'. After setting 9 5/8" casing and circulating cement to surface will then W.O.C. a minimum of 24 hours. From this point will drill 7 7/8" hole to 1100'. A double run B.O.L. will be used from 9 5/8" casing point to total depth. If well appears productive, 4 1/2" production casing will be set at total depth. See attached mud program.

APPROVAL VALID
THIRTY DAYS UNLESS
EARLIER COMMENCED.

EXACTS 5-25-76

IN WITNESS WHEREOF, I, the undersigned, have hereunto set my hand and the seal of the Commission, at Santa Fe, New Mexico, this 25th day of February, 1976.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed Ronnie Shuler Title Vice President Date 2-25-76

(This space for State Use)

APPROVED BY M. A. Guasch TITLE SUPERVISOR, DISTRICT II DATE FEB 25 1976

CONDITIONS OF APPROVAL, IF ANY:

Cement not be circulated to
surface behind 7 7/8" casing

BLACK RIVER CORPORATION
Attachment to Form C-101
Cities State #1
330' EEL, 440' EEL
Section 2: T-20-2, P-20-2
Lease K-60-2, Eddy County, New Mexico

Mud Program:

The surface hole will be drilled with high viscosity colled water containing 5 to 8 pounds per barrel of loss circulation material. The production hole will be drilled with fresh water containing lime and corrosion inhibitor to a depth of approximately 1000'. At the bottom of approximately 1000', the contractor will commence converting the existing drilling fluid system to a system composed of Motocel, Pennex, Elph and Soda Ash. This system is to be maintained with the following required characteristics:

- Weight: 8.0 to 9.0 pounds per gallon, or consistent with preventing excessive gas cutting of the system.
- Viscosity: 32 to 40 or more cP at 100 rpm in standard test.
- Water Loss: 10.0 cc or less.

Sufficient material will be available to raise the weight as required.
No #3 form section is present.

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the meter head location of the well.

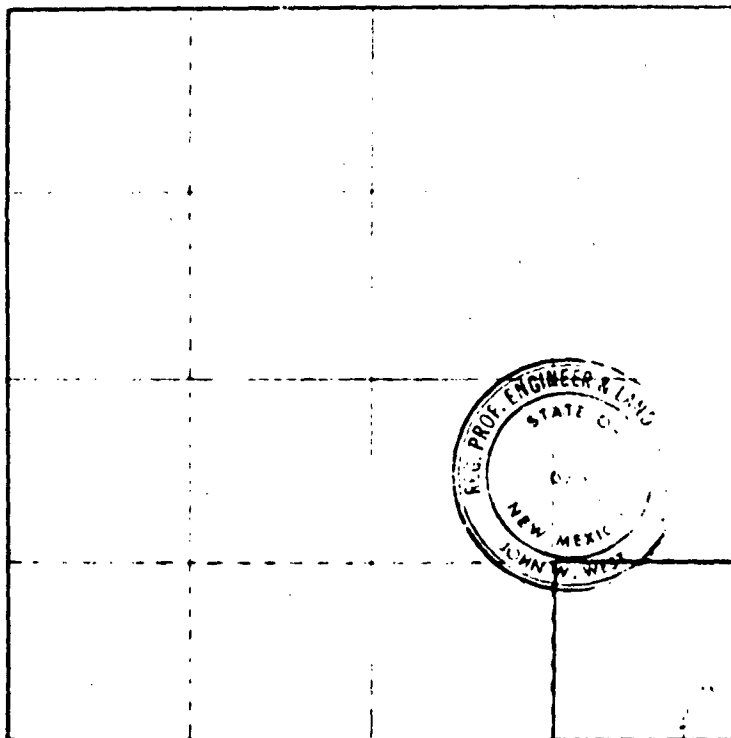
BLACK RIVER CORP.		Cities-State		1
P	32	25 South	24 East	Eddy
330	330	330	330	330
3832.1	(Acreage)	Washington Research Capital	Applied FOR	40

1. Outline the acreage dedicated to the subject well by colored pencil or a blue marker on the plat below.
2. If more than one lease is dedicated in the well, outline each and identify the owner(s) of the lease(s) (working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes ☐ No ☐ If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have a final interest in the well (in reverse order of this form if necessary): _____

No allowable will be assigned to the well until all interests have been consolidated by communitization, unitization, force-pooling, or otherwise or until a non-standard unit eliminating such interests has been approved by the Commission.



By the undersigned, the form is hereby acknowledged and the plat is hereby accepted and approved.

Ronnie Jacobson

Vice President

Black River Corporation

2-11-76

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.

Feb. 11, 1976

John W. Wyse

676

UNDESIGNATED FIELD

DEPT. OF AGRICULTURE

Loc'n: 10 1/2 mi SW/White Cr., 460' FSL 744' FSL Sec 32-25S-24E.

Spind: S-9 76; Comp: S 30-76; Ilav: 3447 and 112 4485 P.

Cosine: 8 5/8" 574/775 42

[illegible]

Exp. 184 11/10/44 for a Spring 1945. 3-1 Penn Spring Soil. Penn Sta 5767.

APR 30 013-2142

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REPRODUCTION PROHIBITED



Petroleum Information

MEMORANDUM

Date

6-31-76

Cord No. 3 1 m

Form 9-111
(May 1964)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

N. M. O. C.

FORM IN TRIPLICATE
OTHER INFORMATION ON THE
REVERSE SIDE

Form approved
Budget Account No. 65-21454
CLASSIFICATION: 100-10-10

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 "APPLICATION FOR PERMIT" for such proposals.)

1. WELL ☐ NEW ☐ EXISTING ☐ OTHER ☐ Dry Hole

2. NAME OF OPERATOR

HUDSON JOINT OIL ACCOUNT

3. ADDRESS OF OPERATOR

Box #196, Artesia, New Mexico 88210

4. LOCATION OF WELL (Report location clearly and in accordance with instructions on reverse side.
See also space 12 below.)

At surface

2310' from the south and 500' from the west lines
Section 12-26S-24E.

14. PERMIT NO.

15. ELEVATION (Show whether by ST, GN, etc.)

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHUT-IN ABANDON

REPAIR WELL

(Other)

PILL OR ALTER Casing

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

REPORT REQUIRED REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHUT-IN OR ABANDON

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Resumption Report and Log form.)

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

After receiving verbal approval from Mr. Knauf to plug well, the following work was performed:

May 28, 1975 - Spotted 45 sacks cement from 880' to 557' through tubing.
Filled hole with mud from 557' to 257'. Spotted 30 sacks cement from 257' to 141'.
Filled hole with mud from 141' to 97'. Spotted 30 sacks cement from 97' to surface.
Erected 4" marker.

Hole is ready for inspection.

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

SIGNED

(This space for Federal or State office use)

TITLE Consulting Engineer

DATE June 4, 1975

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*See Instructions on Reverse Side

Form 9-229
(Rev. 1-65)

N. M. O. C. C.

Pined and Abandoned

SUBMIT IN DUPLICATE

(Show only in
instructions on
reverse side)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form approved
Bureau of Reclamation

5. LEASE DEPARTMENT NO. 1. WELL NO.

MM-0556890

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. TRACT AGREEMENT NAME

8. NAME OR LEASE NAME

Federal 12

9. WELL NO.

1

10. FIELD AND POOL OR WILDCAT

Wildcat

11. SEC., T., R., N., OR BLACK AND WHITE
OR AREA

Sec. 12-345-348

12. COUNTY OR
PARISH

Sady

13. STATE

New Mexico

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

12. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ (INJECT)

13. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ REPAIR ☐ (INJECT)

14. NAME OF OPERATOR

HUDSON JOINT OIL ACCOUNT

15. ADDRESS OF OPERATOR

Box #198, Artesia, New Mexico 88210

O. C. C.

ARTESIA OFFICE

16. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 2310' from the south and 900' from the west lines

At top prod. interval reported below

Sec. 12-345-348.

At total depth

17. PERMIT NO.

DATE ISSUED

18. DATE RECORDED

4-13-75

19. DATE Y.D. REACHED

5-25-75

20. DATE COMPL. (Ready to prod.)

19. ELEVATION (OF BAR, ST. OR ETC.)

3870' gr. and KB

21. ELEV. CABLEHEAD

22. TOTAL DEPTH, MD & TYP

882'

23. PLUG BACK Y.D., MD & TYP

24. IF MULTIPLE COMPL.,
HOW MANY?

25. INTERVAL
DELETED BY

26. START TUBES

27. CABLE TOOLS

0-880

28. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TYP)*

29. WAS DISCREETAL
DETERE MADE

No

30. TYPE ELECTRIC AND OTHER LOGS RUN

Gamma Ray-Neutron

31. WAS WELL COARED

No

32. CEMENT RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING METHOD	AMOUNT FILLED
10-3/4"	32.7#	32'	13"	10 sacks	
7"	20#	665'	8-1/4"	No cement	410'

LINER RECORD					TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	RATCH CENTER*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

33. PERFORATION LOGS (Interval, size and number)

34. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

35. PRODUCTION

36. DAYS FIRST PRODUCTION

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)

37. WELL STATUS (Producing or
Abandoned)

DATE TEST	MUICK TESTED	CROSS SIZE	PROD. FOR TEST PERIOD	OIL—BBL.	WATER—MCU.	WATER—BBL.	GAS—CU. FT.	GAS—BBL.	WELL HEAD PRESSURE (PSI)	WELL HEAD PRESSURE (PSI)

38. DISPOSITION OF GAS (Bled, used for fuel, vented, etc.)

39. LIST OF ATTACHMENTS

40. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED *Rayu L. Gray*

TITLE *Consulting Engineer*

DATE *June 4, 1975*

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

RECEIVED

JUN 10 1975

RECEIVED
JUN 9 1975
U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

INSTRUCTIONS

General: This form is designed for submission, complete and correct well completion report and log on all types of holes 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 learned by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 31, and 32, below regarding separate reports for separate completions. If not filed prior to the time this summary report is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure data, 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 33.

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 special instructions.

Item 10: Indicate which derivation 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 34: If this well is completed for separate production from more than one interval, complete this form for each interval (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 22. Submit a separate report (map) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to each interval.

Item 31: "Depth (feet)": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 32: Submit a separate completion report on this form for each interval to be separately produced. (See instruction as for items 22 and 24 above.)

21. SUMMARY OF PRODUCE LOGS: GIVE ALL INTERVALS OF PRODUCE AND CONTAINS THEREOF: OIL, GAS, WATER, AND ALL OTHERS; GIVE INTERVAL, PERCENT, CUBIC FEET, POUNDS, AND ALL OTHERS		22. PRODUCTION, COMPLETION, ETC.		23. GEOLOGIC MATERIALS	
PRODUCTION	FOOT	METERS	DESCRIPTION, COMPLETION, ETC.	NAME	TEST UNIT, POUNDS
Line and Anhydrite	0	700	Water at 200' - 8 to 10 gals/min. Increase in water (sulfur) at 600'. Hole filled to within 300' of surface.	Lamar Ls.	812
Sand and Shale	700	775		Delaware Sand	872
Line, sand and Shale	775	812			
Black Ls.	812	872			
Sand	872	882	No shows.		

Form G-211
(May 1964)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

REMIT IN TRIPlicate
United States to 10
over date.

Form approved
Budget Bureau No. 42-21404
1. LEASE INFORMATION AND SERIAL NO.
104-0394830

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 "APPLICATION FOR PERMIT" for such proposals.)

RECEIVED
JUL 1 1975

1. OIL WELL ☐ GAS WELL ☐ OTHER ☒ Dry Hole

2. NAME OF OPERATOR
HUDSON JOINT OIL ACCOUNT

3. ADDRESS OF OPERATOR
Box #190, Artesia, New Mexico 88210 O. C. C.

4. LOCATION OF WELL (Report location clearly and in accordance with any previous notices.
See also space 17 below.)
At surface
2310' from the south and 500' from the west lines
Section 12-265-24E.

14. PERMIT NO. 15. ELEVATIONS (Show whether SP, ST, OR, ORL)

4. IF LEASE, ALLOTTEE OR FARM NAME

7. UNIT ASSIGNMENT NAME

8. FARM OR LEASE NAME
Federal 12

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R. W., OR BLK. AND
DISTRICT OR AREA
Sec. 12-265-24E

12. COUNTY OR PARISH 13. STATE
Baldy New Mexico

14. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF
FRACTURE TREAT
SHOOT OR ACIDISE
REPAIR WELL
(Other)

FILL OR ALTER Casing
MULTIPLE COMPLETS
ABANDON*
CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT OFF
FRACTURE TREATMENT
SHOOTING OF ACIDISING
(Other)

REPAIRING WELL
ALTERING Casing
ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIPTION OF PROPOSED OR COMPLETED OPERATIONS (If early state all pertinent details, and give pertinent data, 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.)

It is proposed to plug and abandon as follows:

Spot 43 sacks cement from 880' to 557' through tubing. Fill hole with mud from 557' to 257'. Spot 30 sacks cement from 257' to 141'. Fill hole with mud from 141' to 97'. Spot 30 sacks cement from 97' to surface. Erect 4" marker.

RECEIVED
JUN 1975
U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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

SIGNED Ralph K. Langer TITLE Consulting Engineer DATE June 9, 1975
(This space for Federal or State office use)

APPROVED BY [Signature] TITLE _____ DATE _____
(This space for Federal or State office use)

APPROVED
JUN 30 1975
T. C. BECKMAN
ACTING DISTRICT ENGINEER

*See Instructions on Reverse Side

104-05568-90

Use "APPLICATION FOR PERMIT" for such purposes.

JUN 10 1975

HUDSON JOINT OIL ACCOUNT

D. C. C.
ANTERIOR OFFICE

1000

Now nine square is below.

2310' from the south and 500' from the west line
Section 12-26S-24E.

13. REMARKS (How much of the - 25, 50, 75, 100)

1. INIT AUGUST 1941 NAME

5. FARM OR LEASE NAME

Federal 12

12. **WALL** 107

10. FIELD AND CIVIL. US 9169147

Wildcat

11. SEC. 7, S. W., ON BLN. AND
SURVEY OF AREA

Sec. 12-26.5-24B

13 COUNTY OF PARIAM, FL. STATE

244

New Mexico

NOTES OF INTENTION TO:

2007-2008-2009-2010-2011-2012-2013-2014-2015-2016-2017-2018-2019-2020-2021-2022-2023-2024-2025-2026-2027-2028-2029-2030-2031-2032-2033-2034-2035-2036-2037-2038-2039-2040-2041-2042-2043-2044-2045-2046-2047-2048-2049-2050-2051-2052-2053-2054-2055-2056-2057-2058-2059-2060-2061-2062-2063-2064-2065-2066-2067-2068-2069-2070-2071-2072-2073-2074-2075-2076-2077-2078-2079-2080-2081-2082-2083-2084-2085-2086-2087-2088-2089-2090-2091-2092-2093-2094-2095-2096-2097-2098-2099-2100-2101-2102-2103-2104-2105-2106-2107-2108-2109-2110-2111-2112-2113-2114-2115-2116-2117-2118-2119-2120-2121-2122-2123-2124-2125-2126-2127-2128-2129-2130-2131-2132-2133-2134-2135-2136-2137-2138-2139-2140-2141-2142-2143-2144-2145-2146-2147-2148-2149-2150-2151-2152-2153-2154-2155-2156-2157-2158-2159-2160-2161-2162-2163-2164-2165-2166-2167-2168-2169-2170-2171-2172-2173-2174-2175-2176-2177-2178-2179-2180-2181-2182-2183-2184-2185-2186-2187-2188-2189-2190-2191-2192-2193-2194-2195-2196-2197-2198-2199-2200-2201-2202-2203-2204-2205-2206-2207-2208-2209-2210-2211-2212-2213-2214-2215-2216-2217-2218-2219-2220-2221-2222-2223-2224-2225-2226-2227-2228-2229-2230-2231-2232-2233-2234-2235-2236-2237-2238-2239-2240-2241-2242-2243-2244-2245-2246-2247-2248-2249-2250-2251-2252-2253-2254-2255-2256-2257-2258-2259-2260-2261-2262-2263-2264-2265-2266-2267-2268-2269-2270-2271-2272-2273-2274-2275-2276-2277-2278-2279-2280-2281-2282-2283-2284-2285-2286-2287-2288-2289-2290-2291-2292-2293-2294-2295-2296-2297-2298-2299-2300-2301-2302-2303-2304-2305-2306-2307-2308-2309-2310-2311-2312-2313-2314-2315-2316-2317-2318-2319-2320-2321-2322-2323-2324-2325-2326-2327-2328-2329-2330-2331-2332-2333-2334-2335-2336-2337-2338-2339-2340-2341-2342-2343-2344-2345-2346-2347-2348-2349-2350-2351-2352-2353-2354-2355-2356-2357-2358-2359-2360-2361-2362-2363-2364-2365-2366-2367-2368-2369-2370-2371-2372-2373-2374-2375-2376-2377-2378-2379-2380-2381-2382-2383-2384-2385-2386-2387-2388-2389-2390-2391-2392-2393-2394-2395-2396-2397-2398-2399-2400-2401-2402-2403-2404-2405-2406-2407-2408-2409-2410-2411-2412-2413-2414-2415-2416-2417-2418-2419-2420-2421-2422-2423-2424-2425-2426-2427-2428-2429-2430-2431-2432-2433-2434-2435-2436-2437-2438-2439-2440-2441-2442-2443-2444-2445-2446-2447-2448-2449-2450-2451-2452-2453-2454-2455-2456-2457-2458-2459-2460-2461-2462-2463-2464-2465-2466-2467-2468-2469-2470-2471-2472-2473-2474-2475-2476-2477-2478-2479-2480-2481-2482-2483-2484-2485-2486-2487-2488-2489-2490-2491-2492-2493-2494-2495-2496-2497-2498-2499-2500-2501-2502-2503-2504-2505-2506-2507-2508-2509-2510-2511-2512-2513-2514-2515-2516-2517-2518-2519-2520-2521-2522-2523-2524-2525-2526-2527-2528-2529-2530-2531-2532-2533-2534-2535-2536-2537-2538-2539-2540-2541-2542-2543-2544-2545-2546-2547-2548-2549-2550-2551-2552-2553-2554-2555-2556-2557-2558-2559-2560-2561-2562-2563-2564-2565-2566-2567-2568-2569-2570-2571-2572-2573-2574-2575-2576-2577-2578-2579-2580-2581-2582-2583-2584-2585-2586-2587-2588-2589-2590-2591-2592-2593-2594-2595-2596-2597-2598-2599-2600-2601-2602-2603-2604-2605-2606-2607-2608-2609-2610-2611-2612-2613-2614-2615-2616-2617-2618-2619-2620-2621-2622-2623-2624-2625-2626-2627-2628-2629-2630-2631-2632-2633-2634-2635-2636-2637-2638-2639-2640-2641-2642-2643-2644-2645-2646-2647-2648-2649-2650-2651-2652-2653-2654-2655-2656-2657-2658-2659-2660-2661-2662-2663-2664-2665-2666-2667-2668-2669-2670-2671-2672-2673-2674-2675-2676-2677-2678-2679-2680-2681-2682-2683-2684-2685-2686-2687-2688-2689-2690-2691-2692-2693-2694-2695-2696-2697-2698-2699-2700-2701-2702-2703-2704-2705-2706-2707-2708-2709-2710-2711-2712-2713-2714-2715-2716-2717-2718-2719-2720-2721-2722-2723-2724-2725-2726-2727-2728-2729-2730-2731-2732-2733-2734-2735-2736-2737-2738-2739-2740-2741-2742-2743-2744-2745-2746-2747-2748-2749-2750-2751-2752-2753-2754-2755-2756-2757-2758-2759-2760-2761-2762-2763-2764-2765-2766-2767-2768-2769-2770-2771-2772-2773-2774-2775-2776-2777-2778-2779-2780-2781-2782-2783-2784-2785-2786-2787-2788-2789-2790-2791-2792-2793-2794-2795-2796-2797-2798-2799-2800-2801-2802-2803-2804-2805-2806-2807-2808-2809-2810-2811-2812-2813-2814-2815-2816-2817-2818-2819-2820-2821-2822-2823-2824-2825

5.1.2.2. ALTER LAMBDA

WATER 6.15% DMSO

SI MONITORING REPORT OF:

REPARING THEM

4. 2000年1月1日以后

24/01/2017 08:15:00

●●●●●

Abstract

Abstract

2012年12月24日

CH. 45: PL. 499

(CH 100) Set casino

17. UNDERGROUND MINING OR CONSTRUCTION OPERATIONS If truly state all pertinent details, and give pertinent data, including estimated date of starting any proposed work. If work is directionally drilled, give subsurface headings and measured and true vertical depths for all moorings and secure pertinent to this work. *

On April 16, 1975, cemented 10-3/4" O.D. 32.7# J-55 casing at 32' with 10 sacks cement.

On May 14, 1975, landed 7" O.D. 20# casing at 665' to shut off water. However water was not shut off.

On May 27, 1975, attempted to pull 7" but pipe was stuck. On May 28, 1975, shot 7" casing off at 410' and pulled.

IN, I hereby certify that the foregoing is true and correct

SIGNED Edmund L. Hye, TITLE Consulting Engineer

DATE June 4, 1974

(This space for Federal or State office use)

TITLE

DATE _____

APPROVED BY
COMMISSIONER OF HIGHWAYS
APPROVED
JUN 9 - 1975
T. C. BEEKHUN
ACTING DISTRICT ENGINEER

*See Instructions on Reverse Side

N. M.-O. G. C. COPY

Form U-201-C
(May 1964)

SUBMIT IN TRIPlicate
(Other instructions on
reverse side)

Form approved
Budget Bureau No. 42 R1425

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WELL DRILL ☒ DEEPEN ☐ PLUG BACK ☐

2. TYPE OF WELL OIL ☒ GAS ☐ OTHER ☐ SINGLE ☒ MULTIPLE ☐

3. NAME OF OPERATOR Hudson Joint Oil Account

4. ADDRESS OF OPERATOR Box #198, Artesia, New Mexico 88210

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements):
At surface 2310' from the south and 500' from the west lines
At proposed prod. area Sec. 12-26S-24E

6. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
9 miles SW of White City

7. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY ON LEASE LINE, FT. (Allow to nearest drill unit line, if any) 500'

8. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 800'

9. ELEVATIONS (Show whether DP, RT, GR, etc.) 3870 gr.

10. PROPOSED Casing and Cementing Program

SIZE OF TUBING	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4 7"	10-3/4 4 1/2"		30' T.D.	10 cu. Circulate cement.

11. LEASE IDENTIFICATION AND REG. NO.

104-0556850

12. IF APPLICABLE, LISTED ON THIS NAME

13. STATE AGREEMENT NAME

14. NAME OF LEASE NAME

Federal 12

15. WELL NO.

1

16. FIELD AND PROD. OR WILDCAT

Wildcat

17. SEC., T., R., W., OR D.E. AND SURVEY OR AREA

Sec. 12-26S-24E

18. COUNTY OR PARISH 19. STATE

Rddy

New Mexico

20. NO. OF ACRES RANCHED TO THIS WELL

40

21. DISTANCE OF CABLE TOOLS

Cable Tools

22. APPROX. DATE WHEN WELL STARTS

Apr. 25, 1975

Will test the Bell Canyon Sand, estimated at 800'.

RECEIVED
APR 17 1975
OIL CONSERVATION COM.
Santa Fe
NEW MEXICO
D. I. C.
OFFICE

IN ABOVE SPACE PREPARE PROPOSED PROGRAM. If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program.

SIGNED: *Ralph L. Gray* TITLE: Consulting Engineer DATE: March 17, 1975

(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE: APR 11 1975

APPROVE: *James C. Gray* TITLE: DISTRICT ENGINEER

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-10
Superseded 1-1-74
1110 1110 1110

All distances must be from the corner boundaries of the Section

Hudson Joint Oil Account		Federal 12		1	
L	12	26 South	24 East	Eddy	
2310	South	500	West		
3869.8	Wildcat	46 AC			

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, forced pooling, etc?

Yes ☐ No ☐ If answer is "yes" type of consolidation _____

If answer is "no" list the owners and tract descriptions which have actually been consolidated (on the reverse side of this form if necessary).

No allowable will be assigned to the well until all interests have been consolidated by communitization, unitization, forced pooling, or otherwise or until a non-standard unit, eliminating such interests, has been approved by the Commission.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION
676

I hereby certify that the information contained hereon is true and complete to the best of my knowledge and belief.

Ralph L. Gray
Consultant

MAR 17 1975

RECEIVED

March 14, 1975

John W. West
676

EDDY COUNTY

NEW MEXICO

WILDCAT

Well: HUDSON JOINT OIL ACCOUNT 1 Federal "12"
Loc'n: Sec 12-26S-24E; 2310' FSL 500' FWL Sec; 8 mi S & 5 mi W/White City; Result: DEA WF

Spud: 4-13-75; Comp: 5-28-75; Elev: 3870' Grd; TD: 882' Dela;
Casing: 10-3/4" 32' 710 sz; 7" 665' 7' cmtid; (Pulled);
Comp Info: Water @ 200'; 300' sulf wtr in hole @ 600'; Logged; C/Abbott Bros.
Top: (EI) Lamar 812', Dela sd 872'
API No: 30-015-21516

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Petroleum Information.

CORPORATION

A Division of I. E. Petrochemicals

Date: 7-23-75 Card No.: 13 bc

N. M. O. C. C. Corp.

Form 5-331
(May 1964)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

FOR THE STATE OF NEW MEXICO
ARTESIA, NEW MEXICO

Form 5-331 and
Form 5-332
State of New Mexico

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug wells for additional recovery.
See APPLICATION FOR PERMIT TO DRILL AND PLUG WELLS.)

RECEIVED

SEP 18 1975

WM 0350760

4. IF OTHER, AT OTHER OR OTHER NAME

5. IF OTHER, AT OTHER OR OTHER NAME

6. FROM OR TO
Grace Federal

7. WELL NO.

1

10. FIELD AND NAME OF WELL
Walden

11. NAME OF WELL OWNER
Walden

12. NAME OF OPERATOR
Sec. 10, T4S, R2E

13. NAME OF OPERATOR
Walden

14. NAME OF OPERATOR
Walden

1. OIL ☒ GAS ☐ WELL ☐ OTHER ☐

2. NAME OF OPERATOR
Michael P. Gruber

3. ADDRESS OF OPERATOR
P. O. Box 1113, Carlsbad, New Mexico 88220

4. LOCATION OF WELL (Show location clearly and in accordance with any State requirements.
See also space 15 below.)
At surface

660' FSL & 660' FSL Sec. 10, T4S, R2E

15. PERMIT NO.

16. REMARKS (Show changes to, or of, data.)

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTEREST TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREATMENT ☐
SHUT-IN OR ABANDON ☐
REPAIR WELL ☐
(Other) ☐

WELL OR ALTER Casing ☐
MULTIPLE COMPLETION ☐
CHANGES ☐
NEW OR PLUG ☐

REMARKS AND REPORT TO:

WATER SHUT-OFF ☐
FRACTURE TREATMENT ☐
SHUT-IN OR ABANDON ☐
(Other) ☐

(Note: Report results of multiple completion on Well Completion or Completion Report and Log form.)

17. DESCRIBE PROPOSED OR PLANNED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is permanently plugged, give subsurface locations and measured and true vertical depths for all sections and casing points to the work.)

Set cement plugs to plug and abandon at:

30 sacks Class C 500' to 700'
35 sacks Class C 250' to 350'
5 sacks Class C Surface (top 20')

Class C Neat mixed @ 14.8 lbs/gal
yield 1.32 w.ft/sx
Between plugs 25 lbs/bbl gel

Dry hole marker set.

RECEIVED

MAY 16 1975

U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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

SIGNED *Michael P. Gruber* TITLE Agent

DATE 5/14/75

(This space for Federal use only)

APPROVED BY

CONDITIONS OF APPROVAL IF ANY:

TITLE

DATE

See Instructions on Reverse Side

Form 7-211
(May 1964)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE
OTHER COPIES TO BE
FILED

Form 7-211
U.S. GEOLOGICAL SURVEY
WASHINGTON, D.C. 20508

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 "APPLICATION FOR PERMIT" for such work.)

RECEIVED

1. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER	2. NAME OF OPERATOR Michael P. Grace	3. ADDRESS OF OPERATOR P. O. Box 1413, Carlsbad, New Mexico 88220	4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. Show also space 11 hours) 660' FSL & 660' FSL Sec. 10, T26S, R24E	5. DATE OF NOTICE MAY 20 1975	6. NAME OF AGENT Grace Federal	7. WELL NO. 1	8. STATE AND COUNTY, OR TERRITORY AND COUNTY New Mexico	9. COUNTY OR PARISH El Paso	10. COUNTY OR PARISH New Mexico
--	---	--	---	----------------------------------	-----------------------------------	------------------	--	--------------------------------	------------------------------------

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data			
NOTICE OF INTENTION TO:			
TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	MULTIPLE COMPLETS	<input type="checkbox"/>
SHUT-IN OR ABANDON	<input type="checkbox"/>	ABANDONING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)	<input type="checkbox"/>	(Other)	<input type="checkbox"/>
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE BRIEFLY OR IN SUMMARY THE 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, where pertinent to the work.)

Set cement plugs to plug and abandon at:
30 sacks Class C 600' to 700'
35 sacks Class C 250' to 350'
5 sacks Class C Surface (top 20')

Class C Neat mixed @ 14.8 lbs/gal
yield 1.32 w.ft/sx
Between plugs 25 lbs/bbl gel

Dry hole marker set.

RECEIVED

MAY 16 1975
U.S. GEOLOGICAL SURVEY
ALBUQUERQUE, NEW MEXICO

18. I hereby certify that the foregoing is true and correct.	SIGNED <i>Michael P. Grace</i>	TITLE Agent	DATE 5/14/75
(This space for Federal or State office use)			
APPROVED BY	TITLE	DATE	
CONDITIONS OF APPROVAL, IF ANY:			

*See Instructions on Reverse Side

Form 5-231
(May 1942)

N. M. O. C. C. COPY
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ATTACH IN TRIPLICATE
(Give instructions on re-
verse side)

Form approved
Bulge Bureau No. 12 R1422
2. LEASE ORIGINATOR AND SERIAL NO.
NM 0363760

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 "APPLICATION FOR PERMIT" for such proposals.)

1. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER	3. NAME OF OPERATOR Michael P. Grace	5. ADDRESS OF OPERATOR P. O. Box 1418, Carlsbad, New Mexico 88220	7. FIELD AND PROD. OR WILDCAT Wildcat
2. ADDRESS OF OPERATOR P. O. Box 1418, Carlsbad, New Mexico 88220	4. (For oil or gas wells, (Report location clearly and in accordance with any State requirements.) See also space 11 below.) At surface 660' FSL & 660' FSL Sec. 10, T26S, R24E	6. WELL NO. 1	8. COUNTY OR PARISH Eddy
10. PERMIT NO.	11. DEPTH (Show whether 05, 07, 08, etc.)	12. COUNTY OR PARISH New Mexico	13. STATE New Mexico

14. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO		SUBSEQUENT REPORT ON:	
TEST WATER DRIFT OFF	<input type="checkbox"/>	FILL OR ALTER CASING	<input type="checkbox"/>
FRACURE TEST	<input type="checkbox"/>	MULTIPLE COMPLETION	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other) Deepen well	<input checked="" type="checkbox"/>		

15. (Note: Report results of multiple completion on Well Completion or Recombination Report and Log form.)

16. DESCRIBE PURPOSE OR COMPLETED WORK. (Give State all pertinent details, and give pertinent data including estimated date of starting any proposed work. If well is directionally drilled, give subsurface location and horizontal and vertical depth for all markers and record well next to this work.)

Well Temp. Abt. 1-78-74

Plan to move reverse unit to this well and deepen before 2 year expiration of lease.

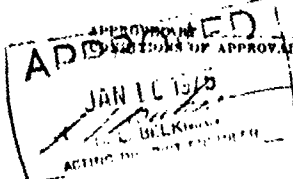
18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE Agent

DATE 1/13/75

(This space for Federal or State office use)



UNLESS FURTHER APPROVED WELL MUST
BE PUT TO LITHOLOGICAL USE OR PLUGGED BY
APRIL 10, 1975
See Instructions on Reverse Side

Form 5-55
(Rev. 5-55)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

N. M. O. C. C. COPY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)

Form approved
Budget Bureau May 25-55-44.4

3 LEASE DESIGNATION AND SERIAL NO.
NM 0363760

4 IF (INDICATE) ALLOTMENT OR TRIBE NAME

7. CMT AGREEMENT NAME

8. FARM OR LEASE NAME

Grace Federal

9. WELL NO.

1

10. FIELD AND POOL OR WILDCAT
Wildcat

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

Sec 10, T26S, R24E

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1A. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DEW ☐ Other

1B. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ REPAIR ☐ Other Temp. Abandoned

2. NAME OF OPERATOR

Michael P. Grace

3. ADDRESS OF OPERATOR

P. O. Box 1418 Carlsbad New Mexico 88220

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements):

At surface 660' FSL & 660' FEL Sec. 10, T26S, R24E

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

11. COUNTY OR

PARISH

Bldy

12. STATE

New Mexico

13. DATE STUDIED

3/31/73

14. DATE T.O. REACHED

1/14/74

15. DATE COMPL. (Ready to prod.)

16. ELEVATION (SP. DEN. ST. OR ETC.)

3757.6 CR

17. TOTAL DEPTH, MD & TVD

1501

18. PLUG BACK T.O. MD & TVD

19. IF MULTIPLE COMPL. HOW MANY?

20. INTERVALS

DETAILED BY

21. CABLE TOOLS

22. CABLE TOOLS

0-1501

23. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

24. WAS DIRECTIONAL

SURVEY MADE

No

25. TYPE ELECTRIC AND OTHER LOGS USED

Acoustilog - Gamma Ray Neutron

26. WAS WELL CORRED

No

27. CASINO RECORD (Report all strings not in well)

CASINO RISE	WARRANT, LB/FT.	DEPTH SET (MD)	WIRE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24 & 28#	300.03		150 sks C/C w/2% CaCl2 &	50 sks Common Cl C

28. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

29. PREPARATION RECORD (Interval, size and number)

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

30. PRODUCTION

DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or shut-in)
Temp Abandoned

DATE OF TEST	ROCKS TESTED	CHOKES SIZE	PROD. FOR TEST PERIOD	OIL—BDL	GAS—MCF	WATER—BDL	GAS-OIL RATIO

31. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

32. LIST OF ATTACHMENTS

Acoustilog - Gamma Ray Neutron

33. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Granita R. Jones

TITLE

Agent

DATE

2/11/74

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

72.6
30.

— 22 —

7

UNITED STATES.

[illegible]

Form 9-521
(May 1962)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPlicate
OTHER INFORMATION
DATE

Form approved
Budget Bureau No. 45 R1484
GSA GEN. REG. NO. 27
GSA GEN. REG. NO. 27

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals for drilling or development. Please look for a different cover sheet for APPLICATION FOR PERMIT TO DRILL OR DEVELOP.)

1. OIL <input type="checkbox"/> GAS <input type="checkbox"/> WELL <input checked="" type="checkbox"/> WATER <input type="checkbox"/>	7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR Michael P. Grace	8. FARM OR LEASE NAME Grace Federal
3. ADDRESS OF OPERATOR P. O. Box 1111, Belknap, New York 13820	9. WELL NO. 1
4. LOCATION OF WELL. Report of location of well on USGS map. State Department of Natural Resources. New York State Department of Environmental Conservation. At Belknap.	10. DIRECTION AND DEPTH OF WINDWAY Wildcat
11. TOWN	11. SEC., T., S., R., OR BLM. AND COUNTY OR AREA Sec. 10, T20S, R24E County of Madison, State of New Mexico

14. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

1. TEMP. WATER IN WELL	2. WATER IN WELL	3. SPRING NO. WELL
4. FRESH WATER	5. WATER IN WELL	6. SPRING NO. WELL
7. OTHER	8. OTHER	9. OTHER

15. (For use by operator only. Do not fill in unless requested by USGS.)

Well was drilled to a depth of 100 feet below the surface of the ground. The water was not encountered. The water was not encountered. The water was not encountered.

Since the water was not encountered, the well was filled with heavy mud. The well was filled with heavy mud. The well was filled with heavy mud.

If water was encountered, the well would be plugged and abandoned. If water was encountered, the well would be plugged and abandoned.

The location of the well is shown on the map. The location of the well is shown on the map.

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

APPROVED BY: *[Signature]* DATE: 1/22/74

APPROVED BY: *[Signature]* DATE:

N. M. O. G. & COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PERMIT IN TRIPlicate
Filing instructions on file
Form 9-60

Form approved
Budget Bureau No. 48 B1634
Filing instructions on file
Form 9-60
N 0363760

SUNDRY NOTICES AND REPORTS ON WELLS

(Use not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

1. WELL <input checked="" type="checkbox"/> NEW <input type="checkbox"/> WEL <input type="checkbox"/> OTHER		2. CITY AND STATE NAME N.A.	
3. NAME OF OPERATOR M. P. Grace		4. FARM OR LEASE NAME Grace Federal	
5. ADDRESS OF OPERATOR P. O. Box 1418, Carlsbad, New Mexico 88220		6. WELL NO. 1	
7. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 660' FSL, 660' FSL Section 10, T 26S, R 24E, N40W		8. FIELD AND FUND, OR NEAREST Wildcat	
9. PERMIT NO. N.A.		10. SEC., T., R., W., OR S.W., AND NEAREST OR ADJ. 10-26S 24 E N40W	
11. ELEVATION (Show whether top, bottom, or sea) 3157.6 GR		12. COUNTY OR PARISH 13. STATE Eddy N.M.	

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL
FRACURE TREAT	MULTIPLE COMPLETION	FRACURE TREATMENT	ALTERING CASING
SHUT-IN OR ABANDON	ABANDON	SHUTTING OR ABANDON	ABANDONMENT
REPAIR WELL	CHANGE PLANS	(Other) Run & Cement Surface Casing	
(Other)		(Note: Report results of multiple completion on Well Completion or Recombination Report and Log for N.)	

17. IN WELLS PROPOSED OR COMPLETED OPERATIONS (If only 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.)

Reference telephone conversation with Mr. Jim Knaf on July 9, 1973, ran 8-5/8" 24 and 28" casing to 300.03' on July 11, 1973.

Halliburton Services cemented W/150 sacks Class C with 2% CaCl₂, plus 150 sacks common Class C. Cemented down outside of casing, filled hole to surface. Job completed 6:30 p.m. on July 14, 1973.

RECEIVED
AUG 7 1973
OIL CONSERVATION COMMISSION
Santa Fe

RECEIVED
AUG - 6 1973
GEOLOGICAL SURVEY
CARLSBAD, NEW MEXICO

RECEIVED
JUL 10 1973
U.S. GEOLOGICAL SURVEY
CARLSBAD, NEW MEXICO

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

SIGNED *James L. Smith* TITLE *Agent* DATE *7-16-73*

(This space for Federal or State office use)

APPROVED BY *James L. Smith* TITLE *Agent* DATE *7-16-73*

COUNTY OR STATE APPROVAL, IF ANY:

APPROVED
AUG 7 1973
J. L. BECKWITH
ACTING DISTRICT ENGINEER

*See Instructions on Reverse Side

54

SUBMIT IN TRIPLICATE
(Other instructions on
reverse side)

Form approved.
Weight Bureau No. 12-4102

30 410 208.5.3

3. I, the undersigned, certify that the above is a true and correct copy of the original document.

13 一个文法中，所有非终结符的集合

DRILL xi

DEEPEN :)

PLUG BACK 17

3 - 179 10 W.H.L.

210 100

Abstract

1990 1991

W. J. T. J. J.

2. 4. 4 第 4 步 (1998 年 5 月 1 日)

15312 15313

1. 1994-1995

[illegible]

1. *Journal of the American Medical Association*, 1997; 277: 1033-1037.

ALL other information readily available to the public shall be released.

107

South Line and 65, East Line

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED EXCEPT WHERE SHOWN OTHERWISE

15. PROTECTED FROM FOREIGN DISCLOSURE

INLET ON THE SEASIDE
COURTESY OF LAMAR LANE ET

also to nearest 471g unit line, if any:

IN DISCUSS SOME PROPOSED COACTION
FOR VARYING WITH, INCLUDING, COMPLETION.

(A 1-FILED FOR, ON THIS LEASE, ET.

21. ASSUMPTIONS (Show whether DF, KT, GR, etc.)

3757.5 gr.

334

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CANNON	WEIGHT OF BOMB	VELOCITY (FPS)	QUANTITY OF REMAINS
1 1/8	9 5/8	30#	307	circumferential surface
8	4 1/2	9#	1500	150

Propose to drill to 1,500 feet to test the Delaware sand; pay zone in the Black River Corp. #3 and #4 Cities Federal, approximately 2 miles to the Northwest. Blowout preventer will be used below surface casing

RECEIVED
MAR 28 1973

APPROVED
66 1973

1973

MAILED
J. L. BEEKMAN
ACTING DISTRICT ENGINEER
TMD

THIS APPROVAL IS RESCINDED IF OPERATIONS
ARE NOT COMMENCED WITHIN 3 MONTHS.
JUN 25 1973

***See Instructions On Reverse Side**

DECLARED WATER BASIN
978
CMENT BEHIND THE
CASING MUST BE CIRCULATED

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the section

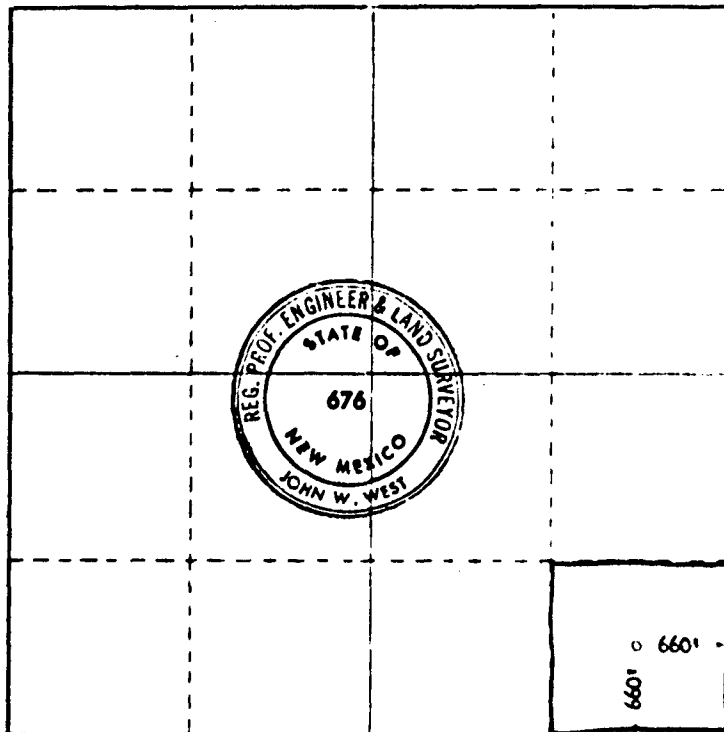
Operator MICHAEL P. CORUM GRACE		Owner Grace-Federal		Oil Conservation Comm. Santa Fe	
First Letter P	Section 10	Township 26 South	Range 24 East	Eddy	
Actual Frontage Location of Well: 660 feet from the south line and 660 feet from the east line					
Ground Level Elev. 3757.6	Producing From Here DELEWARE	Wildcat WILDCAT		Well Size 40	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer in "yes" type of consolidation _____

(If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary).)

No allowable will be assigned to the well until all interests have been consolidated by communitization, unitization, force-pooling, or otherwise or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Michael P. Grace
Agent

Michael P. Grace

March 22, 1973

I hereby certify that the well location shown on this plat is true and correct to the best of my knowledge and belief under my supervision.

RECEIVED
MAR 20 1973

March 12, 1973


John W. West
676

0 300 600 900 1200 1500 1800 2100 2400 2700 3000 3300 3600 3900 4200 4500 4800 5100 5400 5700 6000

EDDY COUNTY NEW MEXICO WILDCAT
Well: MICHAEL P. GRACE, II, I Grace-Federal
Loc'n: 660' FSL, 660' FEL, Sec 10-26S-24E Result DCA WF

Spud: 3-31-73; Comp: 1-14-74; Elev: 37.7' GCS; ID: 15.0'
Casing: NR
Comp Infor no cores or DST's reported
Tops EL: Lamar 590', Dela 645'
API No: 30-015-20833

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 Petroleum Information Corporation
A Member of I.T. Allen Company

Date 3-13-74

Card No. 9 dh

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other side
of this form for
instructions on
reverse side)Form approved
Budget Bureau No. 45-2044.2

WELL COMPLETION OR RECOMPLETION REPORT AND LOGS

1. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DAY <input checked="" type="checkbox"/> Other <input type="checkbox"/>		2. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP <input type="checkbox"/> PLUG <input type="checkbox"/> REPAIR <input type="checkbox"/> Other <input type="checkbox"/>		APR 16 1975	
3. NAME OF OPERATOR Mesa Petroleum Co.,		4. ADDRESS OF OPERATOR O. C. C.		5. FIELD OR LEASE NAME Husache Federal	
6. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 904 Gibbs Tower West, Midland Texas 79701 At top prod. interval reported below 660' FSL & 2245' FEL of Sec. 30 At total depth		7. FIELD AND POOL, OR UNLACED Wildcat		8. SEC., T., R., S. OR BLK. AND QUARTER Sec. 30, T25S, R25E	
9. PERMIT NO.		10. DATE MOVED		11. COUNTY OR PARISH Eddy	
12. DATE SPUN 7-4-74		13. DATE Y.B. REACHED 8-18-74		14. ELEVATION (DD, SD, ST, OR SURF.) 3688' GL 3701 RKB	
15. TOTAL DEPTH, DD & YB 11,233		16. PLUG, CASE Y.B. DD & YB		17. IF MULTIPLE COMPL., HOW MANY?	
18. PRODUCING INTERVAL(S), OF THIS COMPLETION—DD, BOTTOM, NAME (DD AND YB)		19. INTERVALS PRODUCED BY All		20. CABLE TOOLS	
21. TYPE FLUIDS AND OTHER LOSS BY DIL., OIL-FIX, M.L.		22. WAS DIRECTIONAL No		23. WAS WELL CURED No	
24. CEMENT RECORD (Report all cements set in well)					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	WELL SIZE	CEMENTING METHOD	AMOUNT CEMENT
13 3/8	48	308	17 1/2	350 SX 'C' W/21 CC	--
9 5/8	32.3 & 36	2600	12 1/2	900 SX 50-50 Poz + 200 SX 'H' W/21 CC	--
25. LINER RECORD					
SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	DEGREE (MD)	PIPS
26. TUBING RECORD					
SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	DEGREE (MD)	PIPS
27. PRODUCTION & FLOW (Indicate all and number)					
28. ACID, SHOT, FRACTURE CEMENT, GEL, ETC.					
29. PRODUCTION					
DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—date and type of pump)			WELL STATUS (Producing or shut-in)	
DATE OF TEST	ROCKS TESTED	CORRECTION	POOR FOR TEST PERIOD	OIL—DOL.	GAS—MCF.
FLOW, TUBING PERIOD	CASING PRODUCTION	CALCULATED 24-HOUR RATE	OIL—DOL.	GAS—MCF.	WATER—DOL.
30. DISPOSITION OF GAS (Mold, used for fuel, vented, etc.)					
31. LIST OF ATTACHMENTS					
32. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records					
SIGNED <u>Michael P. Houston</u> TITLE <u>Division Engineer</u> DATE <u>April 10, 1975</u>					

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

XC: 1 Amarillo, 5-USGS, 1-MEC, 1-DGM, 1-MEM,

N. M. O. C. C. COPY
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-B355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/>	DRY <input type="checkbox"/>	Other <input type="checkbox"/>										
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	Other <input type="checkbox"/>								
2. NAME OF OPERATOR						Cities-Federal									
3. ADDRESS OF OPERATOR						620 Commercial Bank Tower, Midland, Texas 79701									
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*						At surface 1650' FN & WL									
At top prod. interval reported below						1650' FN & WL									
At total depth						1650' FN & WL									
14. PERMIT NO.				DATE ISSUED											
NM-0472258				4/7/1971											
15. DATE SPUDDED		16. DATE T.D. REACHED		17. DATE COMPL. (Ready to prod.)		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*		19. ELEV. CASINGHEAD							
5/7/1971		6/1/1971		6/6/1971		3741 RKB		3725							
20. TOTAL DEPTH, MD & TVD		21. PLUG, BACK T.D., MD & TVD		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*							
7045		7000		-		→		6795-6806; 6814-6844 - Morrow							
26. TYPE ELECTRIC AND OTHER LOGS RUN						27. WAS WELL CORED									
BHC-GR, DIL, DM, ML						No									
29. CASING RECORD (Report all strings set in well)															
CASINO SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED					
12-3/4		33		375		15		275 sx Class C		None					
8-5/8		24		1005		11		350 sx lightweight + 150sx Class C		None					
4-1/2		10.5		7043		7-7/8		450 sx "C"		Top Cement 5220'					
29. LINER RECORD										30. TUBING RECORD					
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)		SIZE		DEPTH SET (MD)		PACKER SET (MD)	
										2-7/8		6750		6750	
31. PERFORATION RECORD (Interval, size and number)										32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
6795-6806 - 0.41" - 22 holes										DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED			
6814-6844 - 0.41" - 60 holes										None					
33.* PRODUCTION										WELL STATUS (Producing or shut-in)					
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)								Shut-in					
6/4/71		Flow													
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD		OIL—BBL.		GAS—MCF.		WATER—BBL.		GAS-OIL RATIO	
6/8/71		3:45 Total 1:15 @ this rate		35/64		→		None		557.544		0			
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL—BBL.		GAS—MCF.		WATER—BBL.		OIL GRAVITY-API (CORR.)			
2050.2		Pkr		→		-		10,722		-		-			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)										TEST WITNESSED BY					
Vented & Flared During Test										Mr. Charles Saunders					
35. LIST OF ATTACHMENTS															
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records															
SIGNED		J. T. Perry				TITLE		Agent		DATE		6/10/1971			

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

Form 9-330

37. Summary of Porous Zones:

<u>Formation</u>	<u>Top</u>	<u>Bottom</u>	<u>Description, Contents, Etc.</u>
Delaware Sand	1456	1546	DST #1 15 min pre flow. 1-1/2 hr. flow GTS - 17 mins. psi 1/4" chk. 0-5 min. Slight blow throughout test. Rec. 120' GCDM, 210' gas & sulphur water cut d.m. 1 hr. ISIP: 543, IFP: 94, FFP: 188, FSIP: 564, I Hyd: 689, F. Hyd: 668.
Bone Spring	3566	3683	DST #2 10 min. pre flow, weak blow throughout. 1 hr. main flow - weak blow - dead 8 mins. No GTS, Rec: 180' Drilling fluid. 1 hr. ISIP: 126, IFP: 63, FFP: 84, 90 min. FSIP: 105, I. Hyd: 1570, F. Hyd. 1560.
Penn Lime	5700	5811	DST #3 TO 2:10 p.m. w/good blow. GTS 2:20 p.m. (10 min) Flowed 1-1/2 hrs. 250 psi, 3/4" choke 3.75 MMCF IFP: 1123 psi, FFP: 1629 psi, ISIP: 2482 psi 190 min., FSIP: 2136 psi/120 min, Hyd: 2540- 2528 psi. Rev. out 3 bbls. water. Rec. 90' water.
Morrow Sand	6791	6860	DST #4 I. Hyd. 3187, F. Hyd. 3176. 10 min IFP:1995, FFP: 2354, 2 hr. Main Flow IFP: 2312, FFP: 2556. 1 hr. 50 min ISIP: 2995, 3 hr. FSIP: 3006 Flowed 20600 MCFD, 1425 psi - 3/4" choke.

RECEIVED

JUN 14 1971

U. S. GEOLOGICAL SURVEY
ARTS & ENGINEERING

General: This form is designed for submitting a completed and current civil completion report and by no all types of loans and loans to either a Federal agency or a State agency or both, pursuant to applicable Federal and/or State laws and regulations. Any secondary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to bank, state, 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 26, below regarding separate reports for separate completions.

If not filled prior to the time this summary report is submitted, copies of all currently available maps (existing, available, sample and new analysis, all types directly, etc.), forms, and previous such 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 25.

Item 26: If there are any applicable State requirements, institutions on Federal or Indian land should be described in accordance with Federal requirements. (Consult local State or Federal office for specific instructions.)

Item 27: Each of the following questions is used as reference (where not otherwise shown) for depth measurements given in other, appears on this form and to any other forms.

Item 28 and 29: If this well is completed for separate production from more than one lateral zone (multiple completions), so state in Item 22, and in Item 29 show the producing intervals, or intervals, depth (bottom) and name(s) (if any) for each lateral reported in Item 28. Submit a separate report (page) on this form, adequately identified, for each additional lateral to be separately produced, attaching the additional data required for each lateral.

Item 30: (a) (b) (c) General: Attach and separately produce for each well should show the details of any drilling stage cementing and the location of the cementing tool. Item 31: Submit a separate completion report on this form for each interval to be separately produced. (See instructions for Items 22 and 31 above.)

• 000 000 000 •

Form 5-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PERMIT IN THIS COUNTRY
(Other instructions on reverse side)

Form approved
Federal Survey No. 02 21024
NM 0559784
6 W. INDEX, ATTACHED ON REVERSE SIDE

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 "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> Dry Hole		RECEIVED		7. CITY AND COUNTY NAME	
2. NAME OF OPERATOR Mesa Petroleum Co.		FEB 5 1975		8. NAME OF LEASE NAME Husapache Federal	
3. ADDRESS OF OPERATOR P. O. Box 2009, Amarillo, Texas 79105		O.C.C.		9. WELL NO. 1	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 660' FSL & 2245' FEL of Sec. 30		ARTIFICIAL OFFICE		10. FIELD AND POOL, OR WILDCAT Wildcat	
14. PERMIT NO.		15. ELEVATIONS (Show whether of, or, on, etc.) 3688' GL 3701' RKB		11. SEC., T., R., S., OR NE., AND EASTING OR ARCS Sec. 30, T25S, R25E	
				12. COUNTY OR PARISH 13. STATE Eddy Co., NM	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF 1. INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>
FRACTURE TEST	<input type="checkbox"/>	FRACTURE TEST	<input type="checkbox"/>
SHOOT ON ACIDIZING	<input type="checkbox"/>	SHOOTING ON ACIDIZING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	(Other)	<input type="checkbox"/>
(Other)	<input type="checkbox"/>	(Other)	<input type="checkbox"/>
PILL OR ALTER CASING	<input type="checkbox"/>	SEPARATING WELL	<input type="checkbox"/>
MULTIPLE COMPLETS	<input type="checkbox"/>	ALTERING CASING	<input checked="" type="checkbox"/>
ABANDON*	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
CHANGE PLANS	<input type="checkbox"/>		

(Note: Report results of multiple completion on Well Completion or Resumption Report and Log form.)

17. SUBMIT RESULTS OF COMPLETION OPERATIONS: (If early state all pertinent details and give pertinent data, 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.)

Well was drilled to total depth of 11,233 on August 18, 1974. DST results and electric logs did not indicate commercial zones of interest. The rotary was over the hole and verbal approval to plug and abandon was obtained from Mr. R. L. Beckman on August 22, 1974. Weighted brine (10.0#/gal) was left between the following cement (Class II) plugs.

50 sxs 11,037' - 11,157' Across top of Morrow
50 sxs 9,838' - 9,958' Across top of Atoka
50 sxs 7,727' - 7,847' Across top of Wolfcamp
50 sxs 6,181' - 6,301' Stabilizing plug
50 sxs 4,798' - 4,906' Across top of Bone Springs
50 sxs 2,544' - 2,644' Across 9 5/8" shoe @ 2600'
10 sxs 3' BGL - 30' Surface plug

All cement plugs were spotted through drill pipe. No casing was pulled. (13 3/8" @ 308' and 9 5/8" @ 2,600') Dry hole marker was spotted and rig released 8:00 pm (MDT) 8-23-74.

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

SIGNED Michael P. Houston TITLE Production Engineer DATE Sept. 5, 1974

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

XC:5-4565, H. H. Hall and J. C. Smith, J. B. Boyd & Herman

*See Instructions on Reverse Side

Form 6-231
(May 1963)

N. M. O. C. C. COPY
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PERMIT IN TRIANGLE
(Other instructions on reverse side)

Form approved
Budget Bureau No. 45 B1434
5 LEADS REGISTRATION AND SERIAL NO.
NM 0559784
6 IF INDIAN, ALLOTTED OR TRUST LAND

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different interval.
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> Dry Hole	RECEIVED	7. PERMIT AGREEMENT DATE
2. NAME OF OPERATOR Mesa Petroleum Co.	SEP 26 1974	8. PERMITS ON LEADS NAME Huapaché Federal
3. ADDRESS OF OPERATOR P. O. Box 2009, Amarillo, Texas 79105		9. WELL NO. 1
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 660' FSL & 2245' FEL of Section 30		10. FIELD AND POOL, OR WILDCAT Wildcat
16. PERMIT NO.	17. ELEVATIONS (Show whether SP, ST, OR SL) 3688' GL. 3701' RKB	11. SEC., T. & R., OR BLM. AND SURVEY OR AREA Sec. 30, T25S, R25E
		12. COUNTY OR PARISH Eddy
		13. STATE NM

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTES OF INTEREST TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>
FRAC TREATMENT	<input type="checkbox"/>	FRAC TREATMENT	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	SHOOTING OR ACIDIZING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	(Other)	<input type="checkbox"/>
(Other)	<input type="checkbox"/>	(Other)	<input type="checkbox"/>
PILL OR SLURRY CEMENT	<input type="checkbox"/>	EXPANDING WELL	<input type="checkbox"/>
MULTIPLE COMPLETES	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
ABANDON*	<input checked="" type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
CHANGE PLANS	<input type="checkbox"/>		

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

Well was drilled to total depth of 11,223' on August 18, 1974. Two attempts were necessary to obtain a definitive DST across the Morrow from 10,907' - 11,223'. A leak in the drill pipe on the first test was responsible for the test being repeated. Electric logs and DST results did not indicate any commercial zones of interest. The rotary was over the hole. Verbal approval to plug and abandon was obtained from Mr. R. L. Beckman on August 22, 1974. Cement plugs were to be spotted as follows with 10.0# brine to be left between all cement plugs:

50 ex 11,042'-11,162' Across top of Morrow
50 ex 9,824'-9,944' Across top of Atoka
50 ex 7,739'-7,859' Across top of Wolfcamp
50 ex 6,180'-6,300' Stabilizing Plug
50 ex 4,794'-4,902' Across Top of Bone Springs
50 ex 2,550'-2,650' Across 9 5/8" Size at 2,600'
10 ex 3' BGL - 30' Surface Plug

No casing will be removed.

RECEIVED

U. S. GEOLOGICAL SURVEY
AMARILLO, TEXAS 79105

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

SIGNED: Michael P. Smith TITLE: Production Engineer DATE: August 23, 1974

(This space for Federal or State office use)

APPROVED BY: Michael P. Smith TITLE: Production Engineer DATE: August 23, 1974

DEPARTMENT OF APPROVAL, IF ANY:

APPROVED

SEAL & USES: (midland)

*See Instructions on Reverse Side

Form approved
Budget Bureau No. 44-38861-1
GPO: 1964 O-555-724

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen an existing well. Use "APPLICATION FOR PERMIT" for such proposals.)

Oil ☐ Gas ☒ Other ☐

NAME OF OFFICER

Mesa Petroleum Co. ✓

MODES OF OPERATION

P. O. Box 2009, Amarillo, Texas 79105

6. Location of test (Report location clearly and in accordance with any State requirements. See also space 17 below.)

660' FSL & 224' FFL of Section 10

14. PRINT 32.

1. Is there any other way whether by air, sea, etc.

445. 61'

4.01 REF.

Check ☐ Yes ☐ No ☐ Other: _____ the content of Notice, Report, or Other Data

NOTICE OF INTEREST IN THE

ORIGINAL REPORT BY

7801 70372 611 1 012

P **E** **R** **S** **O** **N**

PRATT, JR. 34061

9 5 1 0 0 0 0

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040

• • • • •

DEPART MAIL

00000000000000000000000000000000

gather t

WATERBURY, CT: 1900

REPORTED BY

THE STORY

ALVIN, CAROL

PHOTOGRAPHED BY DAVID J. HARRIS

COMPONENT

Other: nothing

51

Table 1. Results of multiple comparison on Web
completions at 10-minute, 15-minute, 30-minute, and 1-hour forms.

11. principle of questionnaires and the results of the questionnaire. It details and the payment dates including selected date of starting and proposed work. It was also of the date of the survey for the first time and mentioned as the first date for a 1. members had been with

Spudded 7-4-74. Arrived at 11:00 a.m. on 7-11-74. 448' H-40 ST&C new casing (314')
& set shoe at 314'. Cased to 448'. Cemented with GAC12. Circ. out 7-15-74. WOC 18
hrs. Tested up to 2000 psi. Drilled to 2000' on 7-11-74. Ran 50 jts
9 5/8" casing follows.
35 jts 9 5/8" casing. 314' to 350'.
14 jts 9 5/8" casing. 350' to 464'.
20 jts 9 5/8" casing. 464' to 564'.
1 Guide wire.

Inert fluid injected first pt. Cemented annulus at first pt. & on top of pts. 2 & 4.
Cemented wellhead annulus between #2011-11 & #2011-12 well & #14 well & tailgate
wells. Cemented casing annulus between #2011-11 & #2011-12 well on casing. WOC in
hrs. Tested at 1000 psi. Bottom hole
BOP's were tested at 1000 psi. Testers. Then pressure tested to 3000 psi
in bulk pipe. No leaks observed. #14 & upper Kelly rod. Hydril was tested
to 1500 psi. Other tests were made. Seal off all pipe safety valve leaked during
test, were subsequently repaired & returned to service as per above.

15 I hereby certify that the above is a true and correct

FIGURE 10

1. John Doe

DATE July 29, 1973

(This copy is for the use of the recipient only.)

APPROVED BY _____
COMMISSIONER OF AGRICULTURE

7411

1438

*See Instructions on Reverse Side

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

SUBMIT IN TRIPLICATE*
(Enter instructions on reverse side)

Form Approved
Subject Matter No. 43-10000

30-615-2124

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WELL DRILL ☒ DEEPEN ☐ PLUG BACK ☐

2. TYPE OF WELL OIL ☐ GAS ☐ OTHER ☐ DRY ☒ MULTIPLE ☐

3. NAME OF OPERATOR

Mesa Petroleum Co.

4. ADDRESS OF OPERATOR

P. O. Box 2009, Amarillo, Texas 79105

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface 660' FSL and 2245' FSL of Sec. 30

At proposed prod. zone

Same as above

6. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR VILLAGE

6 miles SW of White City

7. DISTANCE FROM PROPOSED LOCATION TO NEAREST EXISTING WELL, DRILLING, COMPLETION OR PLUGGING, ON THIS LEASE, IF ANY

660

8. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETION OR PLUGGING, ON THIS LEASE, IF ANY

NA

9. DEPTH (Show whether DF, RT, CR, etc.)

3688' CR

10. 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#	300'	300 #
12 1/4"	9 5/8"	36#	2600'	1100 #
8 3/4"	4 1/2" or 5 1/4"	11.6#-13.4# (or 17#)	11300'	550

Propose to drill with rotary tool bit to total depth of 11,300' using the above hole size casing program. All significant shows will be tested. The following hole will be run: Dual 11, 61' depth, no iron. Will run either 4 1/2" or 5 1/4" casing, depending upon optimum tubing size after DST results are analyzed. Will cement across all potentially productive zones. If a dry hole, will plug and abandon as directed by the United States Geological Survey.

Cement will be cemented on both 13 3/8" and 9 5/8" casing. API 5000 psi WP hydraulic double shut-in valves with API 5000 psi WP bag type preventer will be utilized below the intermediate shoe. Also a mud-gas separator, remote control drilling choker, pit volume totalizer, flow indicator, and rotating head will be in use below 7500'. See attachments for details.

IN SOME CASES OPERATOR MAY WISH TO DRILL DEEPER OR PLUG BACK. GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. IF PROPOSED TO DRILL DEEPER, GIVE PERTINENT DATA ON SUBSURFACE LOCATIONS AND MEASURED AND TRUE VERTICAL DEPTHS. GIVE BLOCKED PREVENTER PROGRAM, IF ANY.

11. SIGNATURE OF OPERATOR *[Signature]* **12. SIGNATURE OF SURVEYOR** *[Signature]*

13. DATE May 29, 1974

14. PERMIT NO. *[Signature]* **15. DATE** JUN 12 1974

16. APPROVED BY *[Signature]* **17. DATE** JUN 22 1973

SUBJECT TO ATTACHED DEEP WELL CONTROL

REQUIREMENTS DATES JUN 22 1973

*See Instructions On Reverse Side

RECEIVED

MAY 31 1974

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-100
Supersedes O-60
Effective 10-69

All distances must be from the outer boundaries of the Section

MESA PETROLEUM COMPANY		HUAPACHE FEDERAL		Well No.	1
Section	Range	County	Range	County	
0	30	25 SOUTH	25 EAST	EDDY	
Section		Range	County	Range	County
660	30	SOUTH	25	EAST	
Section		Range	County	Range	County
3007.9	Morrow	Wildcat	317.20		

- Outline the acreage dedicated to the subject well in colored pencil or hatch marks on the plat below
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty)
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force pooling, etc?

☒ Yes ☐ No If answer is "Yes" type of consolidation Communitization

If answer is "No" list the names and fractional descriptions which have actually been consolidated (if any) reverse side of this form if necessary.

No allowable well be assigned to the well, and all interests have been consolidated by the communitization, unitization, force pooling, or otherwise, and all owners have agreed to the consolidation, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information furnished herein is true and complete to the best of my knowledge and belief.

Michael P. Houston

Michael P. Houston

Production Engineer

Mesa Petroleum Co.

May 30, 1974

RECEIVED
MAY 30 1974
STATE ENGINEER & LAND SURVEYOR
JOHN W. WEST
MAY 28 1974

John W. West
MAY 28, 1974

Registered Professional Engineer

No. 676

John W. West

No. 676

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-1
Supersedes O-1-70
1-10-72

All distances must be from the corner boundaries of the Section


MESA PETROLEUM COMPANY		HUAPACHE FEDERAL		Section 1
Section	Subsection	Range	Section	Section
O	30	25 SOUTH	25 EAST	EDDY
Acres in Section (Minimum 640)	660	feet from the	SOUTH	2745
feet from the	EAST	feet from the	EAST	
3687.9	Morrow	Wildcat	317.28	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to existing interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc.?

☒ Yes ☐ No If answer is "yes" type of consolidation Communitization, if production encountered

If answer is "no" list the owners and tract descriptions which have actually been consolidated (if an inverse sale of this form is necessary).

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

			
Mesa		2745	
Mesa			
0559785 U.S.		0559784 U.S.	

CERTIFICATION

I hereby certify that the information furnished herein is true and complete to the best of my knowledge and belief.

Michael P. Houston

Production Engineer

Mesa Petroleum Co.

June 4, 1974

I hereby certify that the well location shown on this plat was plotted from field notes of actual survey made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.

AMA, PROD.

MAY 24, 1974

Registered Professional Engineer and Land Surveyor

John W. West
675

XC 5-45655, 1 Midland

Page #2

Cont Inued

9-2-74

8-7-74

LOG TOPS: 3rd Bone 8710' Sand 7600'; Wellcamp
7000'; Airstrip 6100'; Water 11,112'

EDDY COUNTY NEW MEXICO WILDCAT
 Well: MESA PET CO, 1 Huapache Federal
 Locn: Sec 3C-25S-25E, 660' FSL, 2245' FEL Sec

Spuds 7-4-74; Cor. 18-26-74; Elevs 3685' Grd; TD: 11,223' Morrow
 Casing: 13-3/8" 308' / 300 sz; 9-5/8" 2800' / 750 sz
 Comp Infct DST (Wolfc) 8889-8958', op 3 hrs 15 mins, GTS 5 mins, est 160,000 CFCPD
 1/4" ch, TP 100', rec 300' HGCDM, ISIP 33934/1 hr, FP 147-239#, FSIP 32844/6 hrs;
 DST (Morrow) 10,907-11,223', op 1 hr 30 mins, rec 300' DF 6 WB, ISIP 46484/1 hr
 FP 1666-3723#, FSIP 49014/2 hrs; DST 10,907-11,223', op 2 hrs, (sampler rec .6 CFC)
 ISIP 49844/3 hrs, FP 1133-11504, FSIP 57354/3 hrs; C/McVay
 Tops EL: 3rd Bone Springed 7400', Wolfc 7809', Atoka 9894', Morrow 11,112'
 API No 30-015-21248

REPRODUCTION PROHIBITED

 Petroleum Information
 CORPORATION
 A Division of A.P. Jones Company

Date: 9-11-74

Card No.: 11 dh

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-152
Supersedes C-128
Effective 1-1-65

All distances must be from the corner boundaries of the Section.

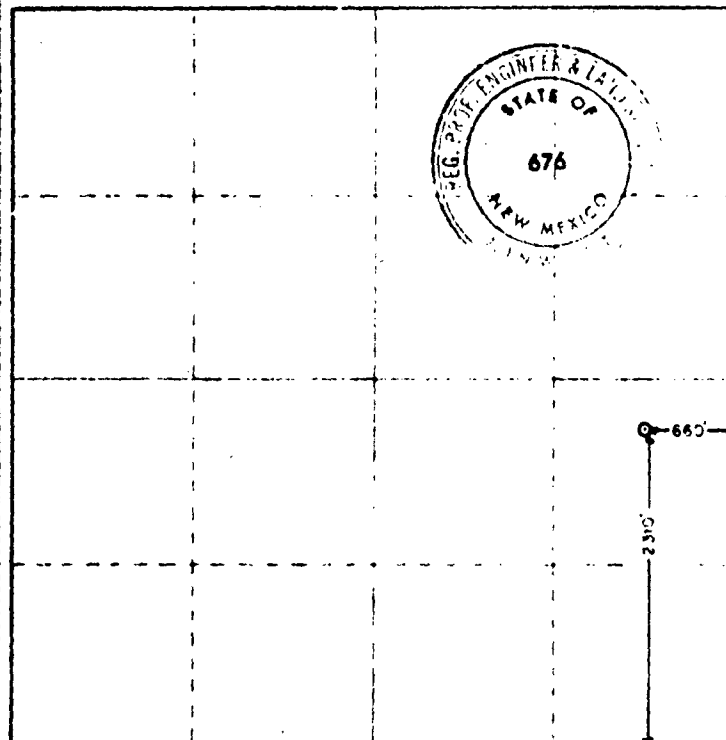
Owner BLACK RIVER CORPORATION		County MAYES		Well No. 1
Tract Letter 1	Section 9	Township 26 SOUTH	Range 24E/6 T	City EDDY
Actual Surface Location of Well: 2310 feet from the SOUTH line and 660 feet from the EAST line.				
Ground Level Elev. 3735.0'	Producing Formation DALAWARE SAND	Strat. WILLACAT	Well Head A. S. No. 40	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes" type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated (if or reverse side of this form if necessary) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

I hereby certify that the well location shown on this plat was plotted from field notes of actual survey made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.

OCTOBER 10, 1973

Registered Professional Engineer
M.E. 15121 Duran, N.M.

John W. West
Certificate No. **676**



4. The following are the names of the persons who have been appointed to the various committees of the Board of Directors:

BLACK RIVER CORPORATION		Map No.		Well No.	
1	2	3	4	5	6
2010		2010		2010	
2010		2010		2010	
2010		2010		2010	

1. Outline the acreage dedicated to the subject well by colored pencil or hashure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc.?

☐ Yes ☐ No If answer is "yes," type of consolidation _____
 If answer is "no," list the owners and tract descriptions which have actually been consolidated (Use reverse side of this form if necessary.) _____
 No well will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Donna Searles

Donna Searles

Black River Corporation

Date

I hereby certify that the well location shown on this plot was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

(Signature)

(Registered Professional Engineer or Licensed Surveyor)

(Signature)

NO. OF COPIES RECEIVED
DISTRIBUTION
SANTA FE
FILE
U.S.G.S.
LAND OFFICE
OPERATOR

NEW MEXICO OIL CONSERVATION COMMISSION

OCT 15 1973

O. C. C.
ALBUQUERQUE, NEW MEXICO

1A. Well Type of Lease
LEASE ☐ OIL ☒
1B. Well or Oil & Gas Lease No.

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 ☐
2. Name of Operator
BLACK RIVER CORPORATION
3. Address of Operator
620 Commercial Bank Tower Midland, Texas 79701
4. Location of Well
UNIT LETTER I LOCATED 2310 FEET FROM THE South LINE
AND 660 FEET FROM THE East LINE OF SEC. 9 TWP. 26 N. R. 24 E. S. 10
5. Unit Agreement Name
6. Name of Lease Name
Mayes
7. Well No.
1
8. Field and Pool, or Wildcat
Wildcat
9. County
Eddy
10. Proposed Depth
1600
11. Formation
Delaware
12. Rotary or Casing
Rotary
13. Flowing (Show whether H, K, etc.)
3770 RT Estimated
14. Kind & Status Plug, Bond
Blanket on File
15. Drilling Contractor
Blair Drilling Co
16. Approx. Date Work will start
10-26-73

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
8-3/4	7" $\frac{1}{2}$	20	300	200 sks	Cnstile
6-3/4	4-1/2	2.2	1,400	250 sks	

It is proposed to drill an 8-3/4 inch hole to approximately 300 feet. At which time 7 inch casing will be run and cement circulated to surface. After WOC, a minimum of 18 hours, the casing will be tested to 1000 PSI. If test ok, will drill with Delaware formation water to TD. A double run BOP will be used while drilling this interval. At total depth, if well test appears productive, the 4-1/2 casing will be run with cement sufficient to return approximately 300 feet into the 7 inch casing.

APPROVAL: VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED,
EXPIRES 1-18-74

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM IF PROPOSED TO DEEPEN OR PLUG BACK, BUT NOT IN PRESENT PRODUCTION AND PROPOSED NEW PRODUCTION. ALSO DESCRIBE PREVENTED PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed Pierre Sanchez Title Treasurer Date 10-11-73
(This space for State Use)

APPROVED BY W. A. Smith TITLE OIL AND GAS INSPECTOR DATE OCT 18 1973
CONDITIONS OF APPROVAL, IF ANY:

Cement must be circulated to
surface behind 7" casing

CONDITIONS OF APPROVAL, IF ANY:

NO. COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	<input checked="" type="checkbox"/>
SILE	<input type="checkbox"/>
U.S.G.S.	<input type="checkbox"/>
LAND OFFICE	<input type="checkbox"/>
OPERATOR	<input type="checkbox"/>

NEW MEXICO OIL CONSERVATION COMMISSION

Form 10-3
Supersedes Old
C-102 and C-103
Effective 1-1-67

10. Indicate Type of Notice	
Notice <input type="checkbox"/>	Fee <input checked="" type="checkbox"/>
1. State Title & Well Location	

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator		2. State Title & Well Location	
Black River Corporation		Midland, Texas 79701	
3. Address of Operator		4. State Title & Well Location	
620 Commercial Bank Tower		Midland, Texas 79701	
5. State Title & Well Location		6. State Title & Well Location	
1. 2310		2. 2310	
3. 2310		4. 2310	
5. 2310		6. 2310	
7. 2310		8. 2310	
9. 2310		10. 2310	
11. 2310		12. 2310	
13. 2310		14. 2310	
15. 2310		16. 2310	
17. 2310		18. 2310	
19. 2310		20. 2310	
21. 2310		22. 2310	
23. 2310		24. 2310	
25. 2310		26. 2310	
27. 2310		28. 2310	
29. 2310		30. 2310	
31. 2310		32. 2310	
33. 2310		34. 2310	
35. 2310		36. 2310	
37. 2310		38. 2310	
39. 2310		40. 2310	
41. 2310		42. 2310	
43. 2310		44. 2310	
45. 2310		46. 2310	
47. 2310		48. 2310	
49. 2310		50. 2310	
51. 2310		52. 2310	
53. 2310		54. 2310	
55. 2310		56. 2310	
57. 2310		58. 2310	
59. 2310		60. 2310	
61. 2310		62. 2310	
63. 2310		64. 2310	
65. 2310		66. 2310	
67. 2310		68. 2310	
69. 2310		70. 2310	
71. 2310		72. 2310	
73. 2310		74. 2310	
75. 2310		76. 2310	
77. 2310		78. 2310	
79. 2310		80. 2310	
81. 2310		82. 2310	
83. 2310		84. 2310	
85. 2310		86. 2310	
87. 2310		88. 2310	
89. 2310		90. 2310	
91. 2310		92. 2310	
93. 2310		94. 2310	
95. 2310		96. 2310	
97. 2310		98. 2310	
99. 2310		100. 2310	

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORMING REMEDIAL WORK	PLUG AND ABANDON	REMEDIAL WORK	ALTERING CASING
TRANSFER OF ABANDON	CHANGE PLANS	CONSIDER FOR CLOSING UPON	PLUG AND ABANDONMENT
PULL THE CEMENT Casing	OTHER	CASING TEST AND TO BE SENT TO	OTHER

17. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

From the setting of 294 feet 7 inch casing, drilling was continued with a 6-3/4 inch hole to a total depth of 1395 feet. Coring covered the intervals from 540' to 582', 1328' to 1350' and 1360' to 1366'. Shows in the below were from 540' to 565' and 1336' to 1345'. The core hole was reamed to 6-3/4". January 8, 1974, ran 42 joints 5" O.D. 1 1/2" (used) casing with Howco float shoe on bottom of casing string. Casing set @ 1379'. Casing was cemented with 130 sacks Howco Latex cement. After W.O.C. to January 11, 1974, casing was tested to 1000 PSI and held ok. The well was perforated from 1358' thru 1348' with one .45" hole per foot. 500 gallons of acid was used to treat the well. Well was fractured with 300 barrels below formation water and 7,000 # sand. Testing commenced.

17. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed: Ronnie Saunders Title: Treasurer Date: February 2, 1974

Approved by: W. A. Smith Title: OIL AND GAS INSPECTOR Date: FEB 7 1974

CONDITIONS OF APPROVAL, IF ANY.

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OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Supersedes Old
C-102 and C-101
Effective 1-1-65

1a. Indicate Type of Lease
State <input type="checkbox"/> Fee <input checked="" type="checkbox"/>
2. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	2. Well Name	3. Well No.
4. Operator	5. Location	6. Section
7. Well Depth	8. Well Status	9. Well Type
10. Well Completion	11. Well Production	12. Well History
13. Well Description	14. Well Diagram	15. Well Notes

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PROPOSED REPAIRS <input type="checkbox"/>	REPAIRS <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ABANDON <input type="checkbox"/>
WILL TO ALTER Casing <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
OTHER <input type="checkbox"/>	OTHER <input type="checkbox"/>

Notice is hereby given of our intention to plug back the interval 1,100 feet up to 1000 feet with 25 sacks Class C Common Cement. After an adequate amount of time, the intervals 930' to 940' and 940' to 950' (based on 1960 logs) for being plugged will be perforated with 2 jet shots per foot. Delaware formation water will be used to fracture the well.

I, the undersigned, hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed Ronnie Lowders Title Inspector Date April 4, 1974

Approved by Will G. Green Title OIL AND GAS INSPECTOR Date APR 5 1974

CONDITIONS OF APPROVAL, IF ANY:
Report must be submitted by April 15, 1974

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OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

RECEIVED

MAY 1 1974

C. G. C.

Form 1-101
Supersedes Old
C-102 and C-101
Effective 1-1-73

DATE	FILE
5/1/74	1

SUNDRY NOTICES AND REPORTS ON WELLS

DO NOT USE THIS FORM FOR APPLICATIONS FOR PERMITS OR FOR A DIFFERENT PURPOSE THAN THAT FOR WHICH IT WAS DESIGNED.

1. WELL NO. <u>21</u>	2. DATE <u>5/1/74</u>	3. NAME <u>BLACK RIVER CORPORATION</u>	4. TYPE OF NOTICE <u>Report</u>
5. ADDRESS <u>620 Commercial Bank Tower Midland, Texas 79701</u>			6. FIELD <u>Mayes</u>
7. LOCATION <u>I 2410 South Line and 600 East</u>			8. SECTION <u>9</u>
9. TOWNSHIP <u>26</u>			10. RANGE <u>24</u>
11. DEPTH <u>3735.0'</u>			12. GROUND LEVEL <u>0'</u>

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORMING WORK	PLUG AND ABANDON	REPAIR WORK	ALTERING CASING
TEMPORARILY ABANDON	CHANGE PLANS	COMPLETION WORK	PLUG AND ABANDON
REPAIR WORK	OTHER	TESTING AND MEASUREMENT	INSTALLING PACK AND PLUG
			INSTALLING PACK AND PLUG

13. The information on this report is true and complete to the best of my knowledge and belief, and gives pertinent data, including estimated date of starting any proposed work.

The results of the treatment of the perforations 158' through 162' resulted in full recovery of the treating fluid and continued to produce below formation water with no shows. The well was worked with from January 11, 1974 until April 2, 1974 at which time the decision to plug back was made. On April 6, 1974 laid 45 sacks - 200' cement plug from 112' to 158' with "H" Cement. After well shut casing w/2' holes - 2 holes per foot w/2' - 2' (12' holes) and 558' - 558' (10-holes). On April 9, 1974 went in hole with tubing and set loss packer. Floked up one joint extra 40' below bottom perforation. Rigged up to wash and washed well dry. Recovered trace of oil and approximately 1-1/2 barrels water. Came up hole and laid down two joints of tubing. Set Packer at 546' and interval between upper and lower perforations 53' thru 54'. Then the lower was 558' thru 558'. Rigged up below and fractured lower zone with 500 cell no. 2 1-1/2" well treated with a free flow compound, then fractured 100 barrels formation water gel and 20 barrels of formation water with 20-40 sand, 11,000 pounds sand total. The average injection rate 1.54 barrels per minute and the maximum injection rate 2-1/4 barrels per minute with minimum injection rate 1 barrel per minute. Maximum pressure 1,500 pounds, with minimum pressure 750 pounds, and average pressure throughout treatment was 900 pounds. Initial shut-in pressure was 150 pounds. The five minute shut-in pressure was 300 pounds. Well shut-in. Fracture went well and testing commenced.

14. I hereby certify that the information on this report is true and complete to the best of my knowledge and belief.

SIGNED: Rennie Sanders Vice President MAY 1, 1974

APPROVED BY: W. G. Grunett OIL AND GAS INSPECTOR MAY 6 1974

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LAND OFFICE	
OPERATOR	1

NEW MEXICO OIL CONSERVATION COMMISSION
RECEIVED

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-4-65

JUN 11 1974

1a. Indicate Type of Lease State <input type="checkbox"/> Fee <input checked="" type="checkbox"/>
3. State Oil & Gas Lease No.
7. Unit Agreement Name
8. Form or Lease Name Mayes
9. Well No. 1
10. Field and Pool, or Wildcat Wildcat
12. County Eddy

SUNDRY NOTICES AND REPORTS ON WELLS (O. O. C.)
DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO STOP OR PLUS DATA TO A DIFFERENT OPERATOR.
USE "APPLICATION FOR PERMIT" FORM C-101 FOR SUCH PROPOSALS.

1. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER
2. Name of Operator BLACK RIVER CORPORATION
3. Address of Operator 620 Commercial Bank Tower, Midland, Texas 79701
4. Location of Well UNIT LETTER I 2310 FEET FROM THE South LINE AND 660 FEET FROM THE East LINE, SECTION 9 TOWNSHIP 26 RANGE 24 N.M.P.M.
11. Elevation (State whether DF, RT, GR, etc.) 2735

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> OTHER <input type="checkbox"/>	PLUS AND ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> REMEDIAL WORK <input type="checkbox"/> COMMENCE DRILLING WORK <input type="checkbox"/> CASING TEST AND CEMENT JOBS <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Completion with pump

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1709.

The results of the treatment of the perforations 553' through 558' with the aid of a pump resulted in full recovery of the treating fluid and is continuing to produce Delaware formation water with shows of gas and traces of oil. The well had been pumped intermittently since the frac treatment of the zone 553' through 558'. On May 23, 1974, Rigged up Chase Well Service Unit - C.O.O.H. W/rods and tubing. After picking up two (2) joints tubing to be sure of open hole below pump setting, then pulled 16 joints tubing - 1-6", 1-8", 1-4" pup joints and laid down pump. Picked up 8" - H. F. Working Barrel - 2x1-25/32" Bore Barrel - W.I.H. W/Tubing - 16 joints tubing and same 3 pup joints. Started pumping well again.

It is our intention to try a different Frac approach to the perforations 533' to 542' that was blanked off from the previous Frac treatment on April 9, 1974. Details of this proposed Frac treatment will be submitted in the very near future.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED <u>Ronnie Lowloes</u>	TITLE <u>Vice President</u>	DATE <u>June 18, 1974</u>
APPROVED BY <u>W.C. Gussert</u>	TITLE <u>OIL AND GAS INSPECTOR</u>	DATE <u>JUN 25 1974</u>

CONDITIONS OF APPROVAL, IF ANY:

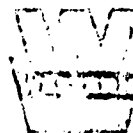
Form PS-8 (Rev. 11-64)

THE WESTERN COMPANY

"Engineering, Drilling, Service"

GENERAL OFFICES - FORT WORTH, TEXAS

TREATMENT REPORT



DATE: 7-17-74
 Western District: Hollis New Mexico
 Id Receipt No. 94227 Stage No. 1
 Operator: Black River Corp. Location: Mayes
 Field: Washington County New Mexico

WELL DATA:
 New Well: YES Depth: 530 Formation: Washington
 Size Tubing: 2 1/2" Casing: 3 1/2" Set From: 580 To: 580
 Size Liner: 3 1/2" Set From: To:
 Open Hole: Size: From: To:
 Casing Perforations: Size: No. Per For: Intervals: 580-545

Previous Treatment

Prior Production

TREATMENT DATA

Hole Loaded With: Dry
 Treating Fluid: 2000 lbs. MS. Acid.
 Propping Agent: 40 lbs. Sand
 Auxiliary Materials: 40 lbs. 40% Fluorine Aqua

Ball Seals: 117 in stages of
 HHP Used: 117
 Procedure: 117
 117

CAPACITIES & FLUID PUMPED

Tubing Cap: 2.0
 Casing Cap: 2.236
 Annular Cap: 2.236
 Open Hole Cap: 2.236
 Fluid to Load: 2.236
 Pad Volume: 2.236
 Treating Fluid: 4.2
 Flush: 6
 Overflush: 6
 Total to Recover: 5.6

Time	Treating P. Volume	Flow Rate	PH Fluid Pumped	In. Rate	REMARKS
7:52	0				Start of Pump
7:53	100		10	100	1000 lbs. MS. Acid
7:54	200		20	200	2000 lbs. MS. Acid
7:55	300		30	300	3000 lbs. MS. Acid
7:56	400		40	400	4000 lbs. MS. Acid
7:57	500		50	500	5000 lbs. MS. Acid
7:58	600		60	600	6000 lbs. MS. Acid
7:59	700		70	700	7000 lbs. MS. Acid
8:00	800		80	800	8000 lbs. MS. Acid
8:01	900		90	900	9000 lbs. MS. Acid
8:02	1000		100	1000	10000 lbs. MS. Acid
8:03	1100		110	1100	11000 lbs. MS. Acid
8:04	1200		120	1200	12000 lbs. MS. Acid
8:05	1300		130	1300	13000 lbs. MS. Acid
8:06	1400		140	1400	14000 lbs. MS. Acid
8:07	1500		150	1500	15000 lbs. MS. Acid
8:08	1600		160	1600	16000 lbs. MS. Acid
8:09	1700		170	1700	17000 lbs. MS. Acid
8:10	1800		180	1800	18000 lbs. MS. Acid
8:11	1900		190	1900	19000 lbs. MS. Acid
8:12	2000		200	2000	20000 lbs. MS. Acid
8:13	2100		210	2100	21000 lbs. MS. Acid
8:14	2200		220	2200	22000 lbs. MS. Acid
8:15	2300		230	2300	23000 lbs. MS. Acid
8:16	2400		240	2400	24000 lbs. MS. Acid
8:17	2500		250	2500	25000 lbs. MS. Acid
8:18	2600		260	2600	26000 lbs. MS. Acid
8:19	2700		270	2700	27000 lbs. MS. Acid
8:20	2800		280	2800	28000 lbs. MS. Acid
8:21	2900		290	2900	29000 lbs. MS. Acid
8:22	3000		300	3000	30000 lbs. MS. Acid
8:23	3100		310	3100	31000 lbs. MS. Acid
8:24	3200		320	3200	32000 lbs. MS. Acid
8:25	3300		330	3300	33000 lbs. MS. Acid
8:26	3400		340	3400	34000 lbs. MS. Acid
8:27	3500		350	3500	35000 lbs. MS. Acid
8:28	3600		360	3600	36000 lbs. MS. Acid
8:29	3700		370	3700	37000 lbs. MS. Acid
8:30	3800		380	3800	38000 lbs. MS. Acid
8:31	3900		390	3900	39000 lbs. MS. Acid
8:32	4000		400	4000	40000 lbs. MS. Acid
8:33	4100		410	4100	41000 lbs. MS. Acid
8:34	4200		420	4200	42000 lbs. MS. Acid
8:35	4300		430	4300	43000 lbs. MS. Acid
8:36	4400		440	4400	44000 lbs. MS. Acid
8:37	4500		450	4500	45000 lbs. MS. Acid
8:38	4600		460	4600	46000 lbs. MS. Acid
8:39	4700		470	4700	47000 lbs. MS. Acid
8:40	4800		480	4800	48000 lbs. MS. Acid
8:41	4900		490	4900	49000 lbs. MS. Acid
8:42	5000		500	5000	50000 lbs. MS. Acid
8:43	5100		510	5100	51000 lbs. MS. Acid
8:44	5200		520	5200	52000 lbs. MS. Acid
8:45	5300		530	5300	53000 lbs. MS. Acid
8:46	5400		540	5400	54000 lbs. MS. Acid
8:47	5500		550	5500	55000 lbs. MS. Acid
8:48	5600		560	5600	56000 lbs. MS. Acid
8:49	5700		570	5700	57000 lbs. MS. Acid
8:50	5800		580	5800	58000 lbs. MS. Acid
8:51	5900		590	5900	59000 lbs. MS. Acid
8:52	6000		600	6000	60000 lbs. MS. Acid
8:53	6100		610	6100	61000 lbs. MS. Acid
8:54	6200		620	6200	62000 lbs. MS. Acid
8:55	6300		630	6300	63000 lbs. MS. Acid
8:56	6400		640	6400	64000 lbs. MS. Acid
8:57	6500		650	6500	65000 lbs. MS. Acid
8:58	6600		660	6600	66000 lbs. MS. Acid
8:59	6700		670	6700	67000 lbs. MS. Acid
9:00	6800		680	6800	68000 lbs. MS. Acid
9:01	6900		690	6900	69000 lbs. MS. Acid
9:02	7000		700	7000	70000 lbs. MS. Acid
9:03	7100		710	7100	71000 lbs. MS. Acid
9:04	7200		720	7200	72000 lbs. MS. Acid
9:05	7300		730	7300	73000 lbs. MS. Acid
9:06	7400		740	7400	74000 lbs. MS. Acid
9:07	7500		750	7500	75000 lbs. MS. Acid
9:08	7600		760	7600	76000 lbs. MS. Acid
9:09	7700		770	7700	77000 lbs. MS. Acid
9:10	7800		780	7800	78000 lbs. MS. Acid
9:11	7900		790	7900	79000 lbs. MS. Acid
9:12	8000		800	8000	80000 lbs. MS. Acid
9:13	8100		810	8100	81000 lbs. MS. Acid
9:14	8200		820	8200	82000 lbs. MS. Acid
9:15	8300		830	8300	83000 lbs. MS. Acid
9:16	8400		840	8400	84000 lbs. MS. Acid
9:17	8500		850	8500	85000 lbs. MS. Acid
9:18	8600		860	8600	86000 lbs. MS. Acid
9:19	8700		870	8700	87000 lbs. MS. Acid
9:20	8800		880	8800	88000 lbs. MS. Acid
9:21	8900		890	8900	89000 lbs. MS. Acid
9:22	9000		900	9000	90000 lbs. MS. Acid
9:23	9100		910	9100	91000 lbs. MS. Acid
9:24	9200		920	9200	92000 lbs. MS. Acid
9:25	9300		930	9300	93000 lbs. MS. Acid
9:26	9400		940	9400	94000 lbs. MS. Acid
9:27	9500		950	9500	95000 lbs. MS. Acid
9:28	9600		960	9600	96000 lbs. MS. Acid
9:29	9700		970	9700	97000 lbs. MS. Acid
9:30	9800		980	9800	98000 lbs. MS. Acid
9:31	9900		990	9900	99000 lbs. MS. Acid
9:32	10000		1000	10000	100000 lbs. MS. Acid

Treating Pressure: Min. 1120, Max. 1100, Avg. 1100
 Inj. Rate Dis Treating Fluid: 100
 Inj. Rate Gas Flush: 100
 Avg. Inj. Rate: 100
 I.S.D.P.: 200
 Final Shut-in Pressure: 200
 Operator Maximum Pressure: 200

Customer Representative: Ray Gayne
 Western Representative: Ray Gayne
 Distribution: Ray Gayne

THE WINDMILLER COMPANY

Background

GENERAL OFFICES: 1077 West 30th, 10th Fl.

TREATMENT REPORT

DATE: 7-2-1978
Western District: 11200 27th. Field Receipt No. 87520 Stage No. 1
Operator: Black River, Co. 2 Location: 3-26-27th County: 1 State: 27th
Field: 11200 27th
WELL DATA:
New Well: Old Well: ☒ Depth: 10 FT. 548 Foundation: Delaware
Size Tubing: 2 1/4 Tubing Perf. 523 Type Packer: Set At:
Size Casing: 5 1/2 Wt. 12 Set From: 0 To: 548
Size Liner: Wt. Set From: To:
Open Hole: Size From: To:
Casing Order: Size Ho. Per Ft. 1 Inters. To: 524 To: 548

Previous Treatment	7-750-2-265 HS	Price Per Section	1000
TREATMENT DATA:			
Hole Loaded With	Barite		CAPACITY & FLUID PROPERTIES
Treating Fluid	2000 gal 11.5 lbs. +		in 1000 Cu. ft.
Propping Agent			Gravel Cap. 2.0
Auxiliary Materials	None		Gravel Cap. 12.
			Gravel Cap. 17.5
			Gravel Cap. 17.5

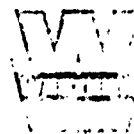
Ball Sealers: _____	in _____	Stages of _____	Est Volume _____
HMP Used _____			Treating Fluid _____
Procedure _____			Flux _____
			Overfill sh _____
			Total to Recover _____

Time	Location	Pressure	Rel	Flow	Rate	Remarks
10:00	1000	100	100	100	100	2 TEST 1-1000 to 2500
10:05	1000	100	100	100	100	2 TEST 1-1000 to 2500
10:10	1000	100	100	100	100	2 TEST 1-1000 to 2500
10:15	1000	100	100	100	100	2 TEST 1-1000 to 2500
10:20	1000	100	100	100	100	2 TEST 1-1000 to 2500
10:25	1000	100	100	100	100	2 TEST 1-1000 to 2500
10:30	1000	100	100	100	100	2 TEST 1-1000 to 2500
10:35	1000	100	100	100	100	2 TEST 1-1000 to 2500
10:40	1000	100	100	100	100	2 TEST 1-1000 to 2500
10:45	1000	100	100	100	100	2 TEST 1-1000 to 2500
10:50	1000	100	100	100	100	2 TEST 1-1000 to 2500
10:55	1000	100	100	100	100	2 TEST 1-1000 to 2500
11:00	1000	100	100	100	100	2 TEST 1-1000 to 2500
11:05	1000	100	100	100	100	2 TEST 1-1000 to 2500
11:10	1000	100	100	100	100	2 TEST 1-1000 to 2500
11:15	1000	100	100	100	100	2 TEST 1-1000 to 2500
11:20	1000	100	100	100	100	2 TEST 1-1000 to 2500
11:25	1000	100	100	100	100	2 TEST 1-1000 to 2500
11:30	1000	100	100	100	100	2 TEST 1-1000 to 2500
11:35	1000	100	100	100	100	2 TEST 1-1000 to 2500
11:40	1000	100	100	100	100	2 TEST 1-1000 to 2500
11:45	1000	100	100	100	100	2 TEST 1-1000 to 2500
11:50	1000	100	100	100	100	2 TEST 1-1000 to 2500
11:55	1000	100	100	100	100	2 TEST 1-1000 to 2500
12:00	1000	100	100	100	100	2 TEST 1-1000 to 2500

Treating Pressure Min. 500 Max. 800 Inj. 150 Customer Representative Mr. Jones
 Inj. Rate On Treating Fluid 12 Western Representative Ken. O'Neil
 Inj. Rate On Flush 40 First Period 15 min. Distribution _____
 Avg. Inj. Rate 17 _____
 I.S.D.P. 700 _____ Type of Fluid Na _____
 Final Shut-in Pressure _____ min. _____
 Operating Maximum Pressure 1500 _____

Form PS-8 (Rev. 11/66)

"Engineered With Service"

[illegible]**TREATMENT REPORT**

DATE: 6-29-79
Western District: West, 4th Avenue Field Receipt No. _____ Stage No. 1
Operator: John R. Co. Inc. Lease: Ally's Well No. 41
Field No. _____ Location _____ County _____ State _____

WELL PAID:

New Well _____ Old Well _____ Depth 50 FT. _____ Formation _____
 Size Tubing _____ Tubing Perf. _____ Type Packer _____ Set At _____
 Size Casing _____ Wt. _____ Set From _____ To _____
 Size Liner _____ Wt. _____ Set From _____ To _____
 Open Hole: Size _____ From _____ To _____
 Casing Perfs: Size _____ No. Per Ft. _____ Intervals _____

Previous Treatment

l'interproduction

TREATMENT DATA:

Hole Loaded With	_____	Core Cutting Fluid	_____
Treating Fluid	_____	Tubing Cap	_____
Pumping Agent	_____	Casing Cap	_____
Auxiliary Materials	_____	Annular Cap	_____
		Open Hole Cap	_____

Ball Seals	None	in	1975	Stages	2	Flush to Flush
MBP Used	1/2 lb. per stage					Partial Volume
Procedure	Flush to Flush					Treating Fluid
	Flush to Flush					Flush to
	Flush to Flush					Overflush

CAPACITIES & FLUID PUMPED:

Tubing Cap.	2
Crossing Cap.	2
Annular Cap.	
Open Hole Cap	
Fluid to Load	
Pail Volume	
Treating Fluid	
Flux	10
Overflush	
Total to Recieve	17

[illegible]

Treating Pressure: Min. 1000, Max. 1000, Avg. 1000	Customer Representative: J. H. Smith
Inj. Rate On Treating Fluid: 1000	Operator Representative: J. H. Smith
Inj. Rate On Wash: 1000	Dilatation: 1000
Avg. Inj. Rate: 1000	
I.S.D.P.: 1000	
Final Shut-In Pressure: 1000	
Operator Maximum Pressure: 1000	

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LAND OFFICE
OPERATOR

NEW MEXICO OIL CONSERVATION COMMISSION

Supersedes Old
Form and Order
Effective 11-1-67

Indicate Type of Lease
State <input type="checkbox"/> Fee <input checked="" type="checkbox"/>
3. State Oil & Gas Lease Fee

SUNDRY NOTICES AND REPORTS ON WELLS

DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO REOPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
SEE FORM 100 FOR PROPOSALS TO DRILL OR TO REOPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.

1. WELL NO. <input checked="" type="checkbox"/> 2. WELL NO. <input type="checkbox"/> 3. OTHER	4. Well Agreement Name
5. Operator Name	6. Well No. (If Different)
7. Address	8. Well No.
9. Location (Show whether DE, RT, etc.)	10. Well No.
11. Direction (North, South, East, West)	12. Well No.
13. Distance (Feet from the Corner)	14. Well No.
15. Direction (North, South, East, West)	16. Well No.
17. Distance (Feet from the Corner)	18. Well No.
19. Direction (North, South, East, West)	20. Well No.
21. Distance (Feet from the Corner)	22. Well No.
23. Direction (North, South, East, West)	24. Well No.
25. Distance (Feet from the Corner)	26. Well No.
27. Direction (North, South, East, West)	28. Well No.
29. Distance (Feet from the Corner)	30. Well No.
31. Direction (North, South, East, West)	32. Well No.
33. Distance (Feet from the Corner)	34. Well No.
35. Direction (North, South, East, West)	36. Well No.
37. Distance (Feet from the Corner)	38. Well No.
39. Direction (North, South, East, West)	40. Well No.
41. Distance (Feet from the Corner)	42. Well No.
43. Direction (North, South, East, West)	44. Well No.
45. Distance (Feet from the Corner)	46. Well No.
47. Direction (North, South, East, West)	48. Well No.
49. Distance (Feet from the Corner)	50. Well No.
51. Direction (North, South, East, West)	52. Well No.
53. Distance (Feet from the Corner)	54. Well No.
55. Direction (North, South, East, West)	56. Well No.
57. Distance (Feet from the Corner)	58. Well No.
59. Direction (North, South, East, West)	60. Well No.
61. Distance (Feet from the Corner)	62. Well No.
63. Direction (North, South, East, West)	64. Well No.
65. Distance (Feet from the Corner)	66. Well No.
67. Direction (North, South, East, West)	68. Well No.
69. Distance (Feet from the Corner)	70. Well No.
71. Direction (North, South, East, West)	72. Well No.
73. Distance (Feet from the Corner)	74. Well No.
75. Direction (North, South, East, West)	76. Well No.
77. Distance (Feet from the Corner)	78. Well No.
79. Direction (North, South, East, West)	80. Well No.
81. Distance (Feet from the Corner)	82. Well No.
83. Direction (North, South, East, West)	84. Well No.
85. Distance (Feet from the Corner)	86. Well No.
87. Direction (North, South, East, West)	88. Well No.
89. Distance (Feet from the Corner)	90. Well No.
91. Direction (North, South, East, West)	92. Well No.
93. Distance (Feet from the Corner)	94. Well No.
95. Direction (North, South, East, West)	96. Well No.
97. Distance (Feet from the Corner)	98. Well No.
99. Direction (North, South, East, West)	100. Well No.

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input checked="" type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPER. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL UP ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	OTHER <input type="checkbox"/>

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

"Notice of Intention to Plug and Abandon"
Formation to plug given orally by New Mexico Oil Conservation Commission.
Well will be plugged in the following manner:

Plug #1 from previous cement plug to top of casing;
Clean if cement.
Clean and level location.

19. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed Ramon S. Swales Title Vice President Date 11-18-74
Approved by W. A. Susselt Title OIL AND GAS INSPECTOR Date NOV 20 1974
CONDITIONS OF APPROVAL, IF ANY:

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electric and radioactivity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quadruplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Op. Alam _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirland-Fruitland _____	T. Penn. "C" _____
D. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Quartz _____
T. Glorieta _____	T. McKee _____	T. House Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Hinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todillo _____	T. _____
T. Drinkard _____	T. Delaware Sand <u>464</u> _____	T. Entrada _____	T. _____
T. Abn _____	T. Hine Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	270	270	Gravel silt and clay				
270	464	194	Top Eroded Castille Castille gypsum and anhy- drite with scattered porous limestone sand.				
464	495	31	Top of Delaware Dark gray to brown silt				
495	514	19	Tan dense limestone				
514	1397	883	Very fine gray sandstone some shelly to silty with a few tan limestone strands.				

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JAN 28 1975

D. C. C.
ANTHONY OFFICE

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FILE	1
U.S.G.S.	1
LAND OFFICE	1
OPERATOR	1

NEW MEXICO OIL CONSERVATION COMMISSION WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

10. TYPE OF WELL		11. TYPE OF COMPLETION	
OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> REPER <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. REPAIR <input type="checkbox"/> OTHER <input type="checkbox"/>	
12. Name of Operator			
Black River Corporation			
13. Address of Operator			
620 Commercial Bank Tower, Midland, Texas 79701			
14. Location of Well			
UNIT LETTER <u>I</u> LOCATION <u>2310</u> FEET FROM THE <u>South</u> LINE AND <u>160</u> FEET FROM <u>East</u>			
15. Date of Completion			
10-26-73			
16. Date Log Started			
12-6-73			
17. Date Comp. (Ready to Prod.)			
Dryhole P+A			
18. Flow Status (IF, NAR, RI, etc.)			
3735' Ground Level			
19. Total Depth			
1395			
20. Production Interval(s), of this completion - Top, to then, Name			
Dryhole			
21. Type Electric and Other Log Run			
Corporating; depth control			
Core analysis, hard induction laterolog, Microlog, BHC-2K			
22. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT LB. FT.	DEPTH SET	MOLE SIZE
7"	14.9	294'	8 1/2"
5"	1.8	1372'	6 1/4"
23. CEMENTING RECORD			
AMOUNT PULLED			
None			
24. LINER RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT
25. TUBING RECORD			
SIZE	DEPTH SET	PACKER SET	
26. Production Interval(s), of this completion - Top, to then, Name			
1248' to 1348' .45" hole 10 holes			
553' to 558' .45" hole 10 holes			
522' to 540' .45" hole 18 holes			
27. ACID, SHOT, FRACTURE, CEMENT SOUFEZE, ETC.			
DEPTH INTERVAL			
1348'-1349'			
100 gal. HCl acid, 500 lbs. sand			
553'-558'			
100 gal. HCl acid, 500 lbs. sand			
522'-540'			
100 gal. HCl acid, 500 lbs. sand			
28. PRODUCTION			
Date of first production			
Dryhole			
29. Production Interval(s), of this completion - Top, to then, Name			
Dry P+A 11-18-74			
Date of Test	Hours Tested	Flow Rate	Pressure
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.
30. Disposition of Gas (Sold, used for fuel, vented, etc.)			
Test Assigned By			
31. List of Attachments			
32. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief			
SIGNED <u>Ronnie Saunders</u> TITLE <u>Vice President</u> DATE <u>11-22-74</u>			

NO. OF COPIES RECEIVED	3
DISTRIBUTION	
SANTA FE	1
FILE	1
U.S.G.S.	
LAND OFFICE	
OPERATOR	1

NEW MEXICO OIL CONSERVATION COMMISSION

Form O-111
Supersedes Old
Form O-103 and F-103
Effective 1-1-67

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5. Indicate Type of Lease	State <input type="checkbox"/> Free <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.	

SUNDRY NOTICES AND REPORTS ON WELLS

DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT DEPTH OR TO
USE APPLICATION FOR PERMIT TO FORM C-111 FOR SUCH PROPOSALS.

1. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER	7. Unit Agreement Name
2. Name of Operator Black River Corporation	8. Firm or Lease Name Mayes
3. Address of Operator 620 Commercial Bank Tower, Midland, Texas 79701	9. Well No. 1
4. Location of Well UNIT LOCATED 1 2310 FEET FROM THE South LINE AND 600 FEET FROM THE East TWP. SECTION 2 TOWNSHIP 26 RANGE 24	10. Field and Pool, or All-in-one Wildcat
11. Elevation (Same whether DE, RT, GN, etc.) 3725 Ground Level	12. County Edly

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPER. <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	

13. Describe in full and in complete positions (clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

The subject well was plugged in the following manner:

Plug #1 970' to surface. 1 1/2 sacks class II cement.
Cleaned and leveled location.

14. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Rennie Landman TITLE Vice President DATE 11-18-74
APPROVED BY Frank B. Givins TITLE OIL AND GAS INSPECTOR DATE APR 28 1975
CONDITIONS OF APPROVAL, IF ANY:

EDDY COUNTY NEW MEXICO WILDCAT
Well: BLACK RIVER CORP, 1 Mayes Result: FEA WF
Locn: Sec9-26S-24E, 2310' FSL, 660' FEL Sec

Spud: 10-25-73; Comp: 11-2-74; Elev: 3770' K B; ID: 1395' Dela
Casing: 7" 294'/105 sx; 5" 1379'/130 sx
Comp Infor: CRD 540-582', rec 42' no desc; Crd 1328-50', rec 22' no desc; Crd
1356-86', rec 20' no desc; Perf 1338-48' w/1 SPF; Sec w/12, 600 gals C 17,000# sd;
S/100' wtr; PB to 700'; Perf 533-542', 533-558', A/500 gals; frac w/12, 222 gals
C 11,000# sd; ppd wtr w/oil C gas; PB to 548', A/27:0 gals; Sec w/2000 gals C
1500# sd; P/70 BF (1% oil) 24 hrs; C/Not Reported

Top: NR
API No: 30-015-20989

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 Petroleum Information

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A Division of A.C. Miller Company

Date: 11-13-74

Cord No: 10 dh

Form 1-66
(May 1966)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SPRINT IN TRIPLICATE
(Other instructions on reverse side)

Form approved
Budget Bureau No. 45-8100
A. (Leave blank space for official use)

WM 0512660

SUNDY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different formation. Use "APPLICATION FOR PERMIT" for such proposals.)

1. <input type="checkbox"/> OIL <input type="checkbox"/> GAS <input type="checkbox"/> OTHER Dry Hole	7. DATE SUBMITTED
2. NAME OF OPERATOR Cities Service Oil Company	8. NAME OF LAND OWNER South Caverns Unit A
3. ADDRESS OF OPERATOR Box 4906 - Midland, Texas 79701	9. WELL NO. 1
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1980' FSL to 1980' FVL of Sec. 21-T25S-P24E, Eddy Co., N.Mex.	10. NAME AND ADDRESS OF WELLDROP Under. Wash. MTCB Ranch Morrow
11. FORMER NO. (If well is being plugged back to a different formation, give former well number.) Sec. 21-T25S-P24E	12. COUNTY OR PARISH Eddy
13. DEPTH IN FEET 3795' GR.	14. STATE New Mexico

15. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:	OVERSIGHT REPORT ON:
TEST WATER CISTERN <input type="checkbox"/>	WATER TESTS <input type="checkbox"/>
PLUGGED WELL <input type="checkbox"/>	PLUGGED WELL <input type="checkbox"/>
ABANDONED WELL <input type="checkbox"/>	ABANDONED WELL <input type="checkbox"/>
OTHER <input type="checkbox"/>	OTHER <input type="checkbox"/>

(Note: Report results of geologic completion on Well Completion or Abandonment Report and Log Form.)

17. PROVIDE REASON FOR COMPLETION OR ABANDONMENT. (Fully state all pertinent details, and give pertinent data, including estimated date of starting any proposed work. If well is directionally drilled, give substantial headings and distances and true vertical depths for all sections and bottom hole.)

T.D. 7550' Shale. Plugged & abandoned. This well was drilled to a T.D. of 7550' and plugged & abandoned in the following manner:

1. Set a 35 sx cement plug @ 7050'-6950' across top of Morrow @ 7036'.
2. Set a 35 sx cement plug @ 6700'-6100' across top of Strawn @ 6152'.
3. Set a 35 sx cement plug @ 5600'-5500' across top of Dean @ 5525'.
4. Set a 60 sx cement plug @ 4300'-4200'.
5. Set a 60 sx cement plug @ 3100'-3000'.
6. Set a 60 sx cement plug @ 1900'-1800'.
7. Set a 60 sx cement plug @ 1000'-900' (1/2 in and 1/2 out of 13-3/8" csg set & cemented @ 940').
8. Set a 20 sx cement surface plug @ 30'-0' with a 4" Dry Hole Marker extending 4' above the ground to designate a plugged and abandoned location.
9. This location will be cleared of all equipment and debris and your office will be notified for final inspection.

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186 24 1975

U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

O. C. C.
ARTESIA, OFFICE

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

SIGNED	TITLE	DATE
<i>[Signature]</i>	Region Oper. Mgr.	March 27, 1971

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:	TITLE	DATE
<i>[Signature]</i>		

*See Instructions on Reverse Side

Special: This form is designed for submitting a complete and correct well completion report and log on an L type of lease and lease to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. An extremely special instructions concerning the use of this form and the manner of completion to be submitted, particularly with regard to well logs, or, regional procedures that pertain, either are shown below or will be issued by, or may be obtained from, the local Federal office or State office. See instructions on Items 22 and 23, and 25, 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 (depths, geophysical, sample and core analysis, all types electric, etc.), formation and pressure logs, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be filed on this form, see Item 25.

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

Item 16: Include a block diagram as used as reference (where and where the survey) for depth measurements given in other items on this form and in any attachments.

Item 22 and 23: If this well is completed for separate production from more than one interest, use multiple completion, as set in Item 22, and in Item 23 show the producing interest or interests (i.e., (b) (1) and (b) (2)) for only the interest reported in Item 22. Submit a separate report (logs) on this form, adequately identified, for each additional interest to be separately produced, showing the additional data pertinent to each interest.

Item 25: "Certificate Statement": Attach and complete and provide for this well should show the details of any multiple lease completion and the location of the resulting land.

Item 26: Submit a separate completion report on this form for each interest to be separately produced. (See instructions for Items 22 and 23 above.)

[illegible]

CITIES SERVICE OIL COMPANY
 #1 South Caverns Unit A
 Sec. 21-T258-M24E
Eddy County, New Mexico

DST No. 1

1--1,550-1,708' (158') Delaware SS., 5/8" BHC, no water blanket, Tool opened with a poor to fair blow through blow hose. No gas to surface and no surface pressure for 15 min. preflow. Closed tool for 90 min. FSIP. Released packers POOH. Did not reverse out. Recovered 210' water that titrated 3000 ppm chlorides. Pit sample titrated 8000 ppm chlorides, Rv 1.0 at 66°F. Sample chamber at 1,530' contained 2490 cc water at 0 psig. Chlorides 5000 ppm with Rv 2.6 at 62°F.

Top Chart At 1697

IMCP	754 psig
IF (15 min)	88-119 psig
ISIP (90 min)	667 psig
FF (60 min)	83-187 psig
FSIP (90 min)	593 psig
FMCP	754 psig
BHT	

Bottom Chart At 1703

754 psig
88-117 psig
667 psig
83-182 psig
591 psig
754 psig
92° F.

DST No. 2

6035-6090' (55') Strawn Dolomite, 5/8" BHC, No water blanket. Tool opened with a poor blow on blow hose. No gas to surface and no surface pressure during 15 min. preflow. Tool closed for 90 min. ISIP. Tool reopened for 90 min. final flow with a very poor blow through blow hose for 5 mins. and died. No gas to surface and no surface pressure. Closed tool for 90 min. FSIP. Pulled tool loose. Did not reverse out. Recovered 10' drilling fluid 7200 ppm chlorides. Pit sample 7200 ppm with Rv 0.58 at 60°. Sample chamber at 6012 contained 1660 cc drilling fluid at zero psig that titrated 8000 ppm chlorides with Rv 0.48 at 76°. BHP's as follows:

Top Chart
at 6078'

IMCP	2831 psig
IF (15 min.)	65-78 psig
ISIP (90 min.)	227 psig
FF (90 min.)	65-65 psig
FSIP (90 min.)	289 psig
FMCP	2831 psig
BHT	125° F.

Bottom Chart
at 6084'

2832 psig
83-97 psig
193 psig
69-69 psig
262 psig
2832 psig

DST No. 3

6162-6312' (150') Strawn Ls, 5/8" BHC, no water blanket. Tool opened with a good blow on 1/8" blow hose with pressure increasing to max. 5 psig in 15 min. preflow. No gas to surface on preflow. Tool closed for 90 min. ISIP. Gas to surface in 8 min at 0730. Tool reopened for 90 min. final flow with good blow on 3/8" choke. Pressures and gas volumes as follows:

<u>Time</u>	<u>Choke</u>	<u>Flowing Pressure</u>	<u>Gas Volume</u>
5 min.	3/8"	0 psig	TSTM
10 min.	3/8"	1 psig	17720 cfd
15 min.	3/8"	2 psig	25340 cfd
20 min.	3/8"	2 psig	25340 cfd
25 min.	3/8"	2 psig	25340 cfd
30 min.	3/8"	2 psig	25340 cfd
35 min.	3/8"	1.75 psi	23000 cfd
40 min.	3/8"	1.50 psig	22000 cfd
45 min.	3/8"	1.50 psig	21820 cfd
50 min.	1/4"	2.00 psig	11930 cfd
55 min.	1/4"	2.50 psig	13410 cfd
60 min.	1/4"	2.50 psig	13410 cfd
65 min.	1/4"	2.50 psig	13410 cfd
70 min.	1/4"	2.50 psig	14000 cfd
75 min.	1/4"	3.00 psig	14760 cfd
80 min.	1/4"	3.00 psig	14760 cfd
85 min.	1/4"	3.00 psig	14760 cfd
90 min.	1/4"	3.00 psig	14760 cfd

Closed tool for 90 min. FSIP. Pulled tool loose. Did not reverse out. Recovered 270' gas cut drlg. mud and 990' salt water 108,000 ppm chlorides. Pit sample 6800 ppm chlorides. Sample chamber at 6137' contained .06 cu ft. gas and 1980 cc salt water 96,000 ppm chlorides at zero psig. BHP's as follows:

	<u>Top Chart</u> <u>at 6298'</u>	<u>Bottom Chart</u> <u>at 6304'</u>
IMCP	2956 psig	2956 psig
IP (15 min.)	190-351 psig	180-331 psig
ISIP (90 min.)	2650 psig	2667 psig
FF (90 min.)	363-797 psig	358-751 psig
FSIP (90 min.)	2559 psig	2571 psig
FMCP	2956 psig	2956 psig
BHT	125° F.	

DST No. 4

6675-6715' (40') Pennsylvanian Sh., 5/8" BHC, no water blanket. Tool opened with a good blow. Surface choke 1/2". Max. 9 psig in 15 min. preflow. No gas to surface on pre-flow. Tool closed for 90 min. ISIP. Tool re-opened for 90 min. final flow. Good blow on 1/4" choke. Pressures and gas volumes as follows:

DST No. 4

<u>Time</u>	<u>Choke</u>	<u>Flowing Pressure</u>	<u>Gas Volume</u>
5	1/4"	13 psig	air
10	1/4"	13 psig	air
15	1/4"	13 psig	air
20	1/4"	13 psig	air
25	1/4"	13 psig	air
30	1/4"	13 psig	air
35	1/4"	13 psig	air
40	1/4"	13 psig	air
45	1/4"	18 psig	gas to surface
50	1/4"	18 psig	gas to surface
55	1/4"	18 psig	gas to surface
60	1/4"	18 psig	gas to surface
65	1/4"	18 psig	gas to surface
70	1/4"	22 psig	--
75	1/4"	22 psig	--
80	1"	4 psig	64,000 CFPD
85	1"	4 psig	64,000 CFPD
90	1"	4 psig	64,000 CFPD

Closed tool for 90 min. FSIP. Pulled tool loose. Did not reverse out. Recovered 30' of drilling mud. Chlorides 68,000 ppm. Pit sample chlorides 68,000 ppm. Sample chamber at 6640' contained 2.5 cu. ft. gas and 920 cc drilling mud at 450 psig. BHP's as follows:

	<u>Top Chart</u> <u>at 6704'</u>	<u>Bottom Chart</u> <u>at 6710'</u>
IMCP	3193 psig	3159 psig
IF (15 min.)	47-47 psig	36-36 psig
ISIP (90 min.)	2083 psig	2054 psig
FF (90 min.)	47-57 psig	24-36 psig
FSIP (90 min.)	2011 psig	2004 psig
FMCP	3193 psig	3159 psig
BHT	135° F.	135° F.

DST No. 5

Straddle test 7220'-7342' (142') Morrow, 1" BHC, No WB. TO 75 min. with poor blow, 1/8" surface ch. Rec. 180' SW cut mud and 1020' SW BHP at 7210: IMCP 3892, 15 min. IF 186-433#, 90 min. ISIP 2814#, 60 min. FF 495-1179#, 90 min. FSIP 2814#, FMCP 3533.

Form Approved
 National Bureau of Standards
 5 LEADS DEVELOPMENT AND USE OF
 NM 051664
 U.S. GOVERNMENT PRINTING OFFICE: 1964

SUNDRY NOTICES AND REPORTS ON WELLS

Use "APPLICATION FOR PERMIT" for each production.

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Dry Hole		7. DATE ACQUISITION MADE	
2. NAME OF OPERATOR Cities Service Oil Company		6. NAME OF LEASE NAME South Canyon Unit A	
3. ADDRESS OF OPERATOR Box 4906 - Midland, Texas 79701		8. WELL NO. 1	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) AT SURFACE 1980' FSL & 1980' FWL of Sec. 21-T25S-R24E, Eddy Co., N.Mex.		10. STATE AND NAME OF LANDOWNER Under: Washington Ranch Morrow	
14. PERMIT NO.		15. COUNTY OF PERMIT Eddy	
13. SURFACE (Show whether ac, or, ex, etc.) 3795' GR.		16. STATE New Mexico	

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

THAT WATER RUN-OFF
PRACTICES THAT
DO NOT OR ARE
BEING WELL
(Other)

WILL WE ALTER CIRCUMSTANCES
 MULTIPLE PROPERTIES
 ABANDON
 CHARGE PLANE

WATTS STREET
PLANTING POLYMER
CONCRETE IN MICHIGAN
(1988)

TYPING WELL
 ALBERTO CASTRO
 254 WOOD STREET

2014 年 12 月 15 日

100

to completion on W

19. How does personnel in computer operations (1) daily state all pertinent details, and give pertinent data, including estimated date of starting any proposed work. If well so directionally drilled, give substantive location and measured and true vertical depths for all members and open pertinent data?

T.D. 7550' Shale. Plugged & abandoned. This well was drilled to a T.D. of 7550' and plugged & abandoned in the following manner:

1. Set a 35 sx cement plug @ 7050'-6950' across top of Morrow @ 7006'.
2. Set a 35 sx cement plug @ 6200'-6100' across top of Strawn @ 6152'.
3. Set a 35 sx cement plug @ 5600'-5500' across top of Dean @ 5525'.
4. Set a 60 sx cement plug @ 4300'-4200'.
5. Set a 60 sx cement plug @ 3100'-3000'.
6. Set a 60 sx cement plug @ 1900'-1800'.
7. Set a 60 sx cement plug @ 1000'-900' (1/2 in and 1/2 out of 13-3/8" eng set & cemented @ 940').
8. Set a 20 sx cement surface plug @ 30'-0' with a 4" Dry Hole Marker extending 4' above the ground to designate a plugged and abandoned location.
9. This location will be cleared of all equipment and debris and your office will be notified for final inspection.

RECEIVED

MAR 28 1974

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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

Abstract

Region Oper. Mgr.

March 27, 1974

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

...

***See Instructions on Reverse Side**

Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.

FILE <input type="checkbox"/> NO FILE <input type="checkbox"/> NAME OF OPERATOR Cities Service Oil Company ADDRESS OF OPERATOR Box 4906 - Midland, Texas 77701 CHARACTER OF WELL (Report location clearly and in accordance with API WELLS REGISTRATION Form also where it differs) At surface 1980' FSL & 1980' FWL of Sec.21-T25S-R24E, Eddy Co., New Mex.		RECEIVED MAY 21 1974 SOUTH CAVERNS UNIT A WELL NO. 1 TO BE DRILLED AND Cased to 1000 feet Under Washington Ranch Morrow 11. SEC. T. 2 S. 2 N. 20 E. 24E AND SURVEY ON ADJACENT
14. PERMIT NO.	15. REMARKS (State whether Dr. or. or. etc.) 3795' GR.	Sec. 21-T25S-R24E 16. COUNTY OR PARISH Eddy 17. STATE New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data			
NOTICE OF VIOLATION TO:		SURROUNDING REPORT TO:	
TEST WATER SHUT-OFF	<input type="checkbox"/>	FULL OR ALTERN. CLOSING	<input type="checkbox"/>
FLAUGHTS TREAT	<input type="checkbox"/>	MULTIPLE COMPLAINTS	<input type="checkbox"/>
SHUTTY OR AFFECTED	<input type="checkbox"/>	ABANDON*	<input checked="" type="checkbox"/>
SEALING WELL	<input type="checkbox"/>	FRACING PLANS	<input type="checkbox"/>
(Other)			

WATER SHUT-OFF	<input type="checkbox"/>	SEPARATING WALL	<input type="checkbox"/>
FLAUGHTS TREATMENT	<input type="checkbox"/>	ALTERNATE CLOSING	<input type="checkbox"/>
SHUTTING OR AFFECTING	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
(Other)			

*NOTE: Report results of multiple completions on Well Completion Report Form.

17. Submit your summary of completed operations (clearly state all pertinent details, and give pertinent data, including estimated date of starting any proposed work. If well is discontinuously drilled, give subsurface locations and measured and true vertical depths for all members and zones pertinent to this work.)⁶

T.D. 7550' Shale. Prep to plug and abandoned. We propose to plug and abandon this well in the following manner:

1. Set a 35 sx cement plug @ approx. 6950'-7050' across top of Morrow @ 7006'.
2. Set a 35 sx cement plug @ approx. 6100'-6200' across top of Strawn @ 6152'.
3. Set a 35 sx cement plug @ approx. 5500'-5600' across top of Dean @ 5525'.
4. Set a 60 sx cement plug @ approx. 4200'-4300'.
5. Set a 60 sx cement plug @ approx. 3000'-3100'.
6. Set a 60 sx cement plug @ approx. 1800'-1900'.
7. Set a 60 sx cement plug @ approx. 900'-1000' (1/2" in and 1/2 out of 13-3/8" OD csg set and cemented @ 940').
8. Set a 20 sx cement surface plug @ approx. 0'-30' w/a 4" dry hole marker.
9. Location will be cleaned of all equipment and debris and your office will be notified for final inspection.

This proposed plugging procedure was given oral approval by Mr. Jim Kneaf, U.S.G.S. office, Artesia, New Mexico, on March 22, 1974.

RECEIVED

MAR 26 1974

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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

STANDARD

TITLE Region Oper. Mgr.

WATER

(This space for Federal or State office use)

TITLE

DATE _____

RECEIVED
DATE OF APPROVAL, IF ANY:

MAY 20 1974

~~H. L. BELKIN~~
~~ACTING DISTRICT ATTORNEY~~

***See Instructions on Reverse Side**

***See Instructions on Reverse Side**

U.S. G.S. FORM 100-10
(Rev. 1-1974)

N. M. O. C. C. CO.
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

REMIT IN TRIPlicate
(Attach instructions on reverse side)

Form approved
Budget Bureau No. 75-11626
6. LEASE REGISTRATION AND SERIAL NO.
NM 011,463
7. IF IN USE, GIVE NAME OF TRUSS NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Use not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

1. NAME OF OPERATOR Union Service Oil Company		2. UNIT ASSIGNMENT NAME	
3. ADDRESS OF OPERATOR Box 4006 - Midland, Texas 79701		4. NAME OF LEASE NAME South Gaverna Unit A	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below) At surface 1980' FWL & 1980' FWL of Sec. 21-T25G-R24E, Eddy Co., N. Mex.		5. WELL NO. 1	
16. PERMIT NO.		17. ELEVATIONS (Show whether SP, SW, OR, etc.) 3795' GR.	
18. PERMIT NO.		19. COUNTY OR PARISH Eddy	
20. STATE		21. STATE New Mexico	

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER ONLY- <input type="checkbox"/>	PUMP OR ALTER Casing <input type="checkbox"/>	WATER CUTOFF <input checked="" type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
PRACTICE TEST <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>	PRACTICE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHUT IN ACHIEVE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	SHUTTING OR ABANDON <input type="checkbox"/>	ABANDONMENT <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

17. DESCRIBE BRIEFLY IN COMPLETE OPERATIONS (Include state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface location and measured and true vertical depths for all markers and record pertinent to this work.)

T.D. 940' Lime. Prep to drill ahead. Spudded @ 12:01 A.M. on 1-23-74 and drilled to a T.D. of 965' with cable tools. MIRM Rotary tools and drilled to a T.D. of 940'. Rm 2 Jts. (70.94') 13-3/8" OD 54# 8R K-55 and 28 Jts. (856.06') 13-3/8" OD 48# 8R J-55 casing set and cemented @ 940' with 510 sacks Halliburton Lite with 10# Gilsomite, 2% CaCl and 1/4# Floccle/back + 200 sacks Class C with 2% CaCl cement. Plug down @ 8:30 A.M. on 2-21-74. Cement circulated to surface. Pumped float - Held O.K. WOC 26 Hrs. Tested 13-3/8" casing with 1500# for 30 min. with no drop in pressure.

U.S.G.S. was notified but did not witness job.

RECEIVED

RECEIVED

MAR - 4 1974

U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

I hereby certify that the foregoing is true and correct

SIGNED E. Spaulden TITLE Region Oper. Mgr. DATE Feb. 26, 1974

(This space for Federal or State office use)

APPROVED W. E. Ullrich TITLE _____ DATE _____

CONSIDERING OF APPROVAL IF ANY:

MAR 5 - 1974

W. E. ULLRICH

*See Instructions on Reverse Side

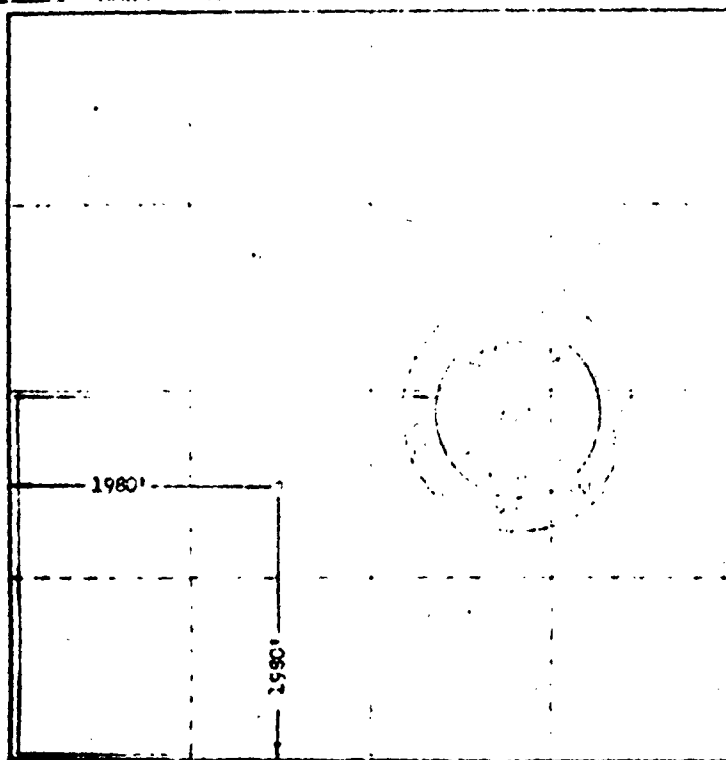
NEW MEXICO OIL FIELD LOCATION AND AREA DEDICATION PLAT

CITIES SERVICE OIL COMPANY		South Caverns Unit A		1
Tract Letter	21	25 South	24 East	Eddy
Actual Section	1980	south	1980	west
Original Section	3795' EST.	MORROW	UNIT NO. WASHINGTON RANCH MORROW	320

1. Outline the acreage dedicated to the subject well by survey, and indicate by hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (if known to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners (if known) dated by conveyance, and indicate by hatchure marks.

Yes ☐ No ☐ If answer is "No," the interests of the different owners have actually been consolidated. Use reverse side of this form if necessary.

Verifying that the well has been drilled, and the interests have been consolidated by the conveyance, and the interests of all owners have been approved by the appropriate authority.



CERTIFICATION

I hereby certify, under the penalty of perjury, that the above is a true and correct copy of the original plat as shown to me by the owner of the same.

E. J. Smith
 Region Operations Manager
 Cities Service Oil Company
 January 8, 1974

I hereby certify that the well shown on this plat was drilled from the surface of the earth, and that the same is true and correct to the best of my knowledge and belief.

Jan. 8, 1974
John W. West
 678

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PERMIT IS TERMINATED
ON 12-1-74

Form approved
Budget Bureau No. 43 B1000

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different formation
(Use "APPLICATION FOR PERMIT" for such proposals.)

1. NAME OF OPERATOR
Black River Corporation

2. ADDRESS OF OPERATOR
620 Commercial Bank Tower Midland, Texas 79701

3. LOCATION OF WELL (If not location clearly and in accordance with any title in the public records, see also space 17 below.)
At surface

4. DATE OF NOTICE
2-25-74

5. NAME OF (LEASE) OWNER
PR Federal

6. WELL NO.
#2

7. FIELD AND WELL, OR NEAREST
#2

8. SEC. T. S. R. OR D.M. AND
OF DIST. OR ADJ.

2310' FWL 660' ESL

10. PERMIT NO.
Approved: January 4, 1974

11. ELEVATIONS (Show whether to ST, SL, or G)
Ground Level 3793.2

See 33: T-25-G, R424-E
12. COUNTY OR PARISH 13. STATE
Eddy New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>
FRAC TREATMENT	<input type="checkbox"/>	FRAC TREATMENT	<input type="checkbox"/>
SHUT-IN OR ABANDON	<input type="checkbox"/>	ABANDONING WELL	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	ALTERING PACING	<input type="checkbox"/>
(Other)	<input type="checkbox"/>	ABANDONMENT	<input type="checkbox"/>
PILL OR ALTER PACING	<input type="checkbox"/>	(Other)	<input type="checkbox"/>
MULTIPLE COMPLETES	<input checked="" type="checkbox"/>	(Note: Report results of multiple completion on Form 1 or Completion of Completion Report and Log Form)	
ABANDON	<input type="checkbox"/>		
CHANGE PLANS	<input type="checkbox"/>		

17. DESCRIBE BRIEFLY IN OR COMPANION WITH THIS STATE all pertinent details, and also pertinent data, including estimated date of starting any proposed work. If well is deepened, give subsurface depths and measured and true vertical depths for all markers and zones pertinent to this work.

"Notice of intention to Plug;" - Permission to Plug was given on February 21, 1974.

Propose to plug in the following manner:

- (1) 25 ex Cement plug 1180' - 1280'
- (2) 25 ex Cement plug 450' - 550'
- (3) 5 ex Cement plug 1' - 20' at surface
- (4) Clean and level location.

RECEIVED
FEB 26 1974
U.S. GEOLOGICAL SURVEY
ALBUQUERQUE, NEW MEXICO

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

SIGNED Rene L. Lewis

TITLE Treasurer

DATE 2-25-74

(This space for Federal or State official use)

APPROVED BY
COMMISSIONER OF MINES, IF ANY:

TITLE

DATE

APPROVED
MAR 1 1974
U.S. GEOLOGICAL SURVEY
ALBUQUERQUE, NEW MEXICO

*See Instructions on Reverse Side

[illegible]

U.S. GOVERNMENT PRINTING OFFICE: 1967

N. M. O. C. C. COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

Indicate in
which column
specimen should

Form approved
March 1954 No. 42 RESALE

5. LEASE IDENTIFICATION AND SERIAL NO.

131-050295-A

6. IF INDICATED, ATTACHED OR UNDER NAME

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1. TYPE OF WELL: ☒ OIL ☐ WATER ☐ GAS ☐ OTHER ☐ PC + 42 LIVE

2. TYPE OF COMPLETION: ☐ NEW ☐ REPAIR ☐ REPERFORATE ☐ REGRIND ☐ REGRIND ☐ REGRIND ☐ OTHER

3. NAME OF OPERATOR: Black River Corporation

4. ADDRESS OF OPERATOR: 620 Commercial Bank Tower, Midland, Texas 79701

5. DATE OF REPORT: 1-2-74

6. LOCATION OF WELL: Report location clearly and in accordance with any State requirements

At surface 2310' EBL 440' EBL Sec. 31

At top prod. interval reported below

At total depth

7. PERMIT NO. 1-2-74

8. DATE APPROVED: 1-31-74

9. DATE WHEN REACHED: 2-20-74

10. DATE COMPLETION (Ready to produce): Dryhole

11. TOTAL DEPTH, MD & TVD: 1400

12. DATE OF COMPLETION: 1-2-74

13. TYPE OF COMPLETION: Dry Hole

14. TYPE OF WELL: Microlog, Sonic Log, Gamma Ray, Formation Density Log

15. TYPE OF WELL: Microlog, Sonic Log, Gamma Ray, Formation Density Log

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52. TYPE OF WELL: Microlog, Sonic Log, Gamma Ray, Formation Density Log

53. TYPE OF WELL: Microlog, Sonic Log, Gamma Ray, Formation Density Log

1. TYPE OF WELL: ☒ OIL ☐ WATER ☐ GAS ☐ OTHER ☐ PC + 42 LIVE

2. TYPE OF COMPLETION: ☐ NEW ☐ REPAIR ☐ REPERFORATE ☐ REGRIND ☐ REGRIND ☐ REGRIND ☐ OTHER

3. NAME OF OPERATOR: BR-Federal

4. ADDRESS OF OPERATOR: #2

5. DATE OF REPORT: 1-2-74

6. LOCATION OF WELL: Report location clearly and in accordance with any State requirements

At surface 2310' EBL 440' EBL Sec. 31

At top prod. interval reported below

At total depth

7. PERMIT NO. 1-2-74

8. DATE APPROVED: 1-31-74

9. DATE WHEN REACHED: 2-20-74

10. DATE COMPLETION (Ready to produce): Dryhole

11. TOTAL DEPTH, MD & TVD: 1400

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RECEIVED
FEB 26 1974
U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

SIGNED: *Archie J. ...* TITLE: *Geologist* DATE: 2-25-74

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

2. TYPE OF WELL
OIL ☐ GAS ☐ OTHER ☒ 14122-1974 RIGID ☐ MULTIPLE ☐

3. NAME OF OPERATOR
D. C. C.

4. ADDRESS OF OPERATOR
ALBUQUERQUE, NEW MEXICO

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface

6. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface

7. DISTANCE IN FEET AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
12 miles SW of Lordsburg, New Mexico

8. DISTANCE FROM PLANNED LOCATION TO NEAREST TOWN OR POST OFFICE, FT.
(Also to nearest drill unit line, if any)

9. DISTANCE FROM PLANNED LOCATION TO NEAREST WELL, FEET
(Also to nearest drill unit line, if any)

10. DISTANCE FROM PLANNED LOCATION TO NEAREST WELL, FEET
(Also to nearest drill unit line, if any)

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51. DISTANCE FROM PLANNED LOCATION TO NEAREST WELL, FEET
(Also to nearest drill unit line, if any)

52. DISTANCE FROM PLANNED LOCATION TO NEAREST WELL, FEET
(Also to nearest drill unit line, if any)

53. DISTANCE FROM PLANNED LOCATION TO NEAREST WELL, FEET
(Also to nearest drill unit line, if any)

54. DISTANCE FROM PLANNED LOCATION TO NEAREST WELL, FEET
(Also to nearest drill unit line, if any)

55. DISTANCE FROM PLANNED LOCATION TO NEAREST WELL, FEET
(Also to nearest drill unit line, if any)

56. DISTANCE FROM PLANNED LOCATION TO NEAREST WELL, FEET
(Also to nearest drill unit line, if any)

57. DISTANCE FROM PLANNED LOCATION TO NEAREST WELL, FEET
(Also to nearest drill unit line, if any)

58. DISTANCE FROM PLANNED LOCATION TO NEAREST WELL, FEET
(Also to nearest drill unit line, if any)

59. DISTANCE FROM PLANNED LOCATION TO NEAREST WELL, FEET
(Also to nearest drill unit line, if any)

60. DISTANCE FROM PLANNED LOCATION TO NEAREST WELL, FEET
(Also to nearest drill unit line, if any)

61. DISTANCE FROM PLANNED LOCATION TO NEAREST WELL, FEET
(Also to nearest drill unit line, if any)

62. DISTANCE FROM PLANNED LOCATION TO NEAREST WELL, FEET
(Also to nearest drill unit line, if any)

63. DISTANCE FROM PLANNED LOCATION TO NEAREST WELL, FEET
(Also to nearest drill unit line, if any)

64. DISTANCE FROM PLANNED LOCATION TO NEAREST WELL, FEET
(Also to nearest drill unit line, if any)

65. DISTANCE FROM PLANNED LOCATION TO NEAREST WELL, FEET
(Also to nearest drill unit line, if any)

66. DISTANCE FROM PLANNED LOCATION TO NEAREST WELL, FEET
(Also to nearest drill unit line, if any)

RECEIVED

U.S. GEOLOGICAL SURVEY
ALBUQUERQUE, NEW MEXICO

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout prevention program, if any.

20. SIGNATURE OF OPERATOR
D. C. C.

21. TITLE OF OPERATOR
TREASURER

22. DATE
January 1, 1974

(This space for Federal or State office use)

23. PERMIT NO.
JAN 21 1974

24. APPROVED BY
J. C. Ruff

25. TITLE OF APPROVED BY
DIRECTOR

26. DATE OF APPROVAL, IF ANY

DEEPENED WATER BASIN
7"

*See Instructions On Reverse Side

THIS APPLICATION IS RESCINDED IF OPERATIONS
ARE NOT COMPLETED BY
JAN 31 1974

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form
Revised 1-1-70

All dimensions must be from the center boundaries of the Section

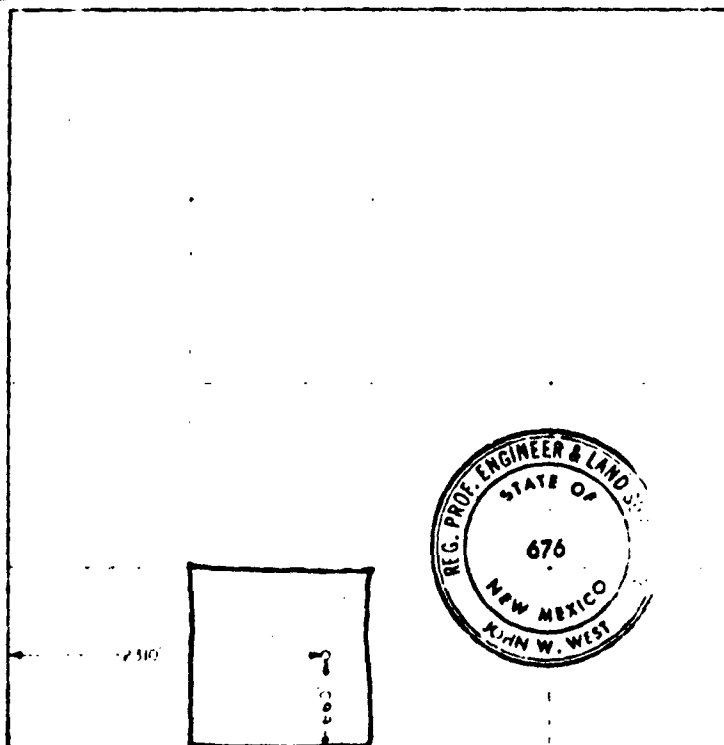
BLACK RIVER CORPORATION		B.R. FEDERAL		22	
N	33	25 SOUTH	24 EAST	EDDY	
2310	WEST	660	SOUTH		
3791.2	DELAWARE SAND	WILLCAT	10		

- Outline the acreage dedicated to the subject well in colored pencil or bar blue make in the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereon (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, for exporting, etc?

Yes ☐ No ☐ If answer is "Yes" type of communitization _____

If answer is "No" list the owners and tract descriptions which have a working interest in the well, with this form if necessary.

No royalty will be assigned to the well until all interests have been consolidated by communitization, unitization, for exporting, or otherwise or until a nonstandard unit plan is approved by the Commission.



DECLARATION

I hereby declare that the information furnished herein is true and correct and is the best of my knowledge and belief.

Ronnie Soule
Treasurer
Black River Corporation
1-3-78

I hereby declare that the well location shown in this plat was plotted from the center of the section shown by the survey of the land on which the well is located and that the same is true and correct to the best of my knowledge and belief.

December 28, 1973

John W. West
676

EDDY COUNTY NEW MEXICO WILDCAT
Well: BLACK RIVER CORP, 2 Federal "BR"
Loc'n: 660' FSL, 2310' FWL, Sec 33-25S-24E

Recon: DLA WF

Spuds: 2-10-74; Compr: 2-21-74; Elev: 3791' Grd; ID: 1400'

Casing: NR

Comp Infor: Crd 1240-60', rec 20' no desc; C-J 1260-78', rec 18' no desc; Crd 1278-98'
rec 20' no desc; Crd 1298-1316', rec 18' no desc; Crd 1316-28', rec 12' no desc; Crd
1328-48', rec 20' no desc; C/Wayne Bal/r Drilg Co

Tops ELs Dela 445'

API No: 30-01S-21080

REPRODUCTION PROHIBITED
COPYRIGHTED 1974

 Petroleum Information
A Division of A.P. Petro Services

Date: 3-13-74

Card No.: 7 d-

Form G-551
(May 1973)

U. M. O. C. C. COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PERMIT IN TRIPLICATE
(Include instructions on p. 2
of form G-551)

Form approved
Budget Number No. 00 51000

EX 0512335

IF INDIAN, ALLOTTEE OR TRUSTEES

SUNDRY NOTICES AND REPORTS ON WELLS

(This not for this form for proposals to drill or to deepen or plug back to a different reservoir.
Use APPLICATION FOR PERMIT for such proposals.)

1. NAME OF OPERATOR Citizen Service Oil Company		2. NAME OF LEASE NAME Government P	
3. ADDRESS OF OPERATOR Box 4706-Midland, Texas 79701		4. WELL NO. 1	
5. LOCATION OF WELL (Report location clearly and in accordance with any local regulations. See also space 17 below.) 740' FEL & 1900' FEL / Sec. 22-T236-R24E, Bddy Co., New Mexico		6. FIELD AND TOWN, OR WELL AT Madison Washington Ranch House	
7. PERMIT NO. 3717 GR.		8. COUNTY OF LOCATION Bddy	
9. ELEVATIONS (Specify whether of top of oil, gas, or water) 3717 GR.		10. STATE OF LOCATION N. Mex.	
11. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
12. (If notice of intention to drill, give pertinent details, including estimated date of starting and proposed work. If well is to be abandoned, give subsurface findings and measured and true vertical depths of all markers and note party next to this work.)			
13. (If notice of intention to plug, give pertinent details, including estimated date of starting and proposed work. If well is to be abandoned, give subsurface findings and measured and true vertical depths of all markers and note party next to this work.)			

T.D. 7300' Shale. We propose to plug and abandon this well in the following manner:

1. Load hole w/lead laden fluid.
2. Spot a 50 sack cement plug @ approx. 6900-6700'.
3. Spot a 25 sack cement plug @ approx. 5800-5700'.
4. Spot a 30 sack cement plug @ approx. 5040-4940'.
5. Cut and pull approx. 1300' of 8-1/8" casing.
6. Spot a 102 sack cement plug @ approx. 1900-1719'.
7. Spot a 133 sack cement plug @ approx. 773-573'.
8. Spot a 15 sack cement surface plug @ approx. 20-0'.
9. Install a dry hole marker and clear location of all debris.

The above plugging procedure was granted verbal approval by your Artesia, N. Mex. office prior to plugging of well.

RECEIVED

APR 26 1973

I hereby certify that the foregoing is true and correct

SIGNED

TITLE **Region Operation Manager**

DATE **April 24, 1973**

(This space for Federal or State office use)

APPROVED
DATE OF APPROVAL, IF ANY

TITLE

DATE

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

Form 9-550
Revised 5-63, G.S. 2514.4

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1. TYPE OF WELL: ☐ OIL ☐ GAS ☐ HOT ☒ OTHER

2. TYPE OF COMPLETION: ☒ NEW ☐ WORK ☐ REPAIR ☐ OTHER

3. NAME OF OPERATOR
Citrus Service Oil Company

4. ADDRESS OF OPERATOR
Box 4906 - Midland, Texas 79701

5. LOCATION OF WELL (Report location clearly and in accordance with G.S. 2514.4)
At surface 760' FSL & 1980' FSL of Sec. 22-T236-R24E, Rddy Co.,
New Mexico
At top prod. interval reported below
At total depth Same as above

6. BUREAU OF LAND MANAGEMENT AND COUNTY OR
N.M. 031233

7. IF INDIAN ALLIANCE OR TRIBE NAME

8. LAND AGENCY NAME

9. FARM OR TRACT NAME
Government P

10. WELL NO.
1

11. FIELD AND POOL OR WILDFAT UNITS
Washington Ranch Marrow

12. SEC. T. R. M. IN BLOCK AND QUARTER
Sec. 22-T236-R24E

13. PERMIT NO.
3717 GR

14. DATE PERMIT
3-12-73

15. DATE TO BE REACHED
4-14-73

16. DATE COMPLETION (Ready to prod.)
PAA

17. VARIATIONS IN DEPTH OR, ETC.
3717

18. STATE
N. Mex.

19. TOTAL DEPTH, IN FEET
7300

20. DEPTH TO TOP OF PROD. INTERVAL
0-T.D. 7300

21. DEPTH TO BOTTOM OF PROD. INTERVAL
7300

22. PRODUCING INTERVALS, OF THIS COMPLETION (Top, bottom, name and area)

23. TYPE OF TEST AND OTHER DATA
Induction-Laterolog

24. TESTER'S NAME AND OTHER DATA
SOME-ONE Ray, Proximity-Microlog, Deal

PIPELINE SIZE	HEIGHT, FEET	DEPTH, FEET	DEPTH, FEET	DEPTH, FEET	DEPTH, FEET	DEPTH, FEET
10"	904	20'	24"	3 yds. Radial		
15-3/8"	487	734'	17-1/2"	610 sacks		
8-5/8"	24, 32 & 368	4987'	11"	300		1907

SIZE	TOP (IN)	BOTTOM (IN)	PAVED (IN)	NUMBER	WELL	DEPTH (IN)	PAVED (IN)

25. PERFORATION METHOD (Interval, size and number)

26. ACID SHOT (THAT CEMENT SQUEEZE, PTL.)

27. DEPTH INTERVAL (IN)

28. AMOUNT AND KIND OF MATERIAL USED

29. PRODUCTION

30. DATE FIRST PRODUCTION

31. PRODUCTION METHOD (Flowing, gas lift, pumping, etc. and type of pump)
Plugged & Abandoned

32. WELL STATUS (Producing or abandoned)

33. DATE OF TEST

34. FLOW RATE (GPM)

35. PRESSURE (PSI)

36. TEMPERATURE (°F)

37. VISCOSITY (CP)

38. DENSITY (G/CC)

39. API GRAVITY (°F)

40. DISPOSITION OF GAS (Burnt, used for fuel, vent, etc.)

41. TEST WITNESSED BY

42. LIST OF ATTACHMENTS
Deviation tests & above listed logs.

43. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED: *D. F. Haskins* TITLE: Region Operation Manager DATE: April 19, 1973

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

13

三才圖會

11

CONFIDENTIAL

2001

Check on

Form 9-211
(May 1961)

N. M. O. C. C. COPY
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PERMIT IN TRIPlicate
OTHER INSTRUCTIONS ON REVERSE SIDE

Form approved
Bureau of Reclamation
U.S. DEPARTMENT OF AGRICULTURE
NO. 8312300
U.S. DEPARTMENT OF AGRICULTURE
BUREAU OF RECLAMATION

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different formation.
Use "APPLICATION FOR PERMIT" for such proposals.)

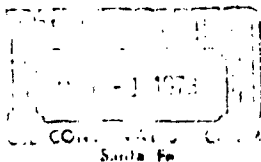
<p>1. NAME OF OPERATOR Citrus Service Oil Company</p> <p>2. ADDRESS OF OPERATOR Box 4904 - Midland, Texas 79701</p> <p>3. LOCATION OF WELL (Report location clearly and in accordance with all State requirements. See also space 17 below.) At surface 760' PSL & 1980' PSL of Sec. 22 - T23N - R24E</p> <p>14. PERMIT NO. 3727 CR</p>	<p>4. TYPE OF WELL (Check one) <input type="checkbox"/> OIL <input checked="" type="checkbox"/> WATER <input type="checkbox"/> OTHER</p> <p>5. NAME OF LAND OWNER Government of</p> <p>6. WELL NO. 1</p> <p>7. FIELD AND POOL, OR WILDCAT CATCHER Washington Ranch Water</p> <p>8. SEC. T. R. OF LAND AND SURVEY OR AREA Sec. 22-T23N-R24E</p> <p>9. COUNTY OR PARISH Rocky</p> <p>10. STATE N. Mex.</p>
---	--

10. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		COMPLETION REPORT ON:	
TEST WATER ONLY OFF	FILL OR ALTER LANDING	WATER SHUTTING	REPAIRING WELL
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREATMENT	MULTIPLE COMPLETES	FRACTURE TREATMENT	ALTERING CASING
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACTIVATE	ABANDON*	SHOOTING OR ACTIVATING	ABANDONMENT*
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	CHANGE PLANS	(Other)	
<input type="checkbox"/>	<input type="checkbox"/>	(Other)	

17. DESCRIBE PREVIOUS OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including anticipated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all surveys and survey logs sent to this work.)

T.D. 4987 Line. Prep. to drill ahead. Drilled to a T.D. of 4987. Run 28 jts. (849.33') 8-5/8" OD 340 E-35 ST&C, 70 jts. (2198.64') 8-5/8" OD 329 ST&C E-35, 60-1/2 jts. (1806.11') 8-3/4" OD 240 E-35 ST&C casing set and cemented @ 4987 w/200 sacks HUSCO Lite w/24 Gilsonite + 1/40 Flomala/cash w/22 CaCl₂ + 100 sacks Class C w/22 CaCl₂. Plug down @ 4:55 p.m. on 3-30-73. Run sup. survey. Top of cement @ 3430'. WOC 34 hrs.. Tested 8-5/8" casing and BOP's to 1000 psi for 30 minutes with no drop in pressure.



RECEIVED
APR 24 1973
U.S. GEOLOGICAL SURVEY
ARIZONA DISTRICT OFFICE

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

APPROVED: <i>[Signature]</i>	TITLE: Region Operation Manager	DATE: April 13, 1973
<p>(This space for Federal or State use only)</p> <p>APPROVED BY: <i>[Signature]</i></p> <p>CONDITIONS OF APPROVAL, IF ANY:</p>		
TITLE:	TITLE:	DATE:

*See Instructions on Reverse Side

Form 5-101
May 1963

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PERMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved
Budget Project No. 40-21400
1. CLASSIFICATION AND NUMBER

HW 0312333

2. IF INDIAN, SELECTED ON FORM 5-101

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 "APPLICATION FOR PERMIT" for such proposals.)

1. NAME OF OPERATOR Citizen Service Oil Company		2. ADDRESS OF OPERATOR Box 4906 - Midland, Texas 79701	
3. NAME OF LEASE TRACT Government		4. FIELD AND NAME OF WELL Washington Ranch No. 1	
5. WELL NO. 760'		6. DATE OF NOTICE April 19, 1973	
7. FIELD AND NAME OF WELL Washington Ranch No. 1		8. DATE OF NOTICE April 19, 1973	
9. FIELD AND NAME OF WELL Washington Ranch No. 1		10. DATE OF NOTICE April 19, 1973	
11. FIELD AND NAME OF WELL Washington Ranch No. 1		12. DATE OF NOTICE April 19, 1973	
13. FIELD AND NAME OF WELL Washington Ranch No. 1		14. DATE OF NOTICE April 19, 1973	
15. FIELD AND NAME OF WELL Washington Ranch No. 1		16. DATE OF NOTICE April 19, 1973	

17. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT ON:	
TEST WELLS DRILLING	FILL OR ALTER EXISTING	WATER SHUT-OFF	REPAIRS TO WELL
PROVIDE TESTS	MULTIPLE COMPLETS	PROVIDE TESTS	ALTERING CEMENT
DRILL OR ACIDIZE	ABANDON	REMOVING OR ADJUSTING	ABANDONMENT
REPAIR WELL	CHANGE PLUG	(Other)	(Other)

18. I hereby certify that the foregoing is true and correct.
(If well is directionally drilled, give subsurface location and measured and true vertical depths for all sections and casing points.)

T.D. 7300' Shale. Plugged and abandoned. Drilled to a T.D. of 7300' and plugged and abandoned in the following manner:

1. Loaded hole with mud laden fluid.
2. Spotted a 50 sack cement plug @ 6900-6700'.
3. Spotted a 25 sack cement plug @ 5800-5700'.
4. Spotted a 30 sack cement plug @ 5040-4840'.
5. Cut and pulled 61 jts. (1907') of 8-3/8" casing.
6. Spotted a 102 sack cement plug @ 1900-1719'.
7. Spotted a 153 sack cement plug @ 773-575'.
8. Spotted a 15 sack cement surface plug @ 20-0'.
9. Dry hole marker will be installed and location cleared of all debris.

Note: USGS notified but did not witness plugging.

RECEIVED

APR 20 1973

U.S. GEOLOGICAL SURVEY
ARTESIAN WATER DIVISION

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

SIGNED: <i>P. F. Smith</i>	TITLE: Region Operations Manager	DATE: April 19, 1973
This space for Federal or State office use		
APPROVED BY: <i>(Signature)</i>	TITLE:	DATE:
CONDITIONS OF APPROVAL, IF ANY:		

*See Instructions on Reverse Side

Form G-101
(May 1-68)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

U.S. G. S. FORM 1000-1
(Under instructions on reverse side)

Form approved
Rogers Bureau No. 48-2100
LARGE DEPARTMENT
NM 0512333

SUNDY 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 "APPLICATION FOR PERMIT" for such proposals.)

1. NAME OF OPERATOR
Cities Service Oil Company

2. ADDRESS OF OPERATOR
Box 4906 - Midland, Texas 79701

3. LOCATION OF WELL (Check location clearly and to accordance with any field requirements.
See also space 12 below.)
760' FVL & 1980' FVL of Sec. 22, T25N, R24E, Eddy Co., New Mexico

4. PERMIT NO.
3717 GR

RECEIVED

5. DATE OF REPORT
March 22, 1973

6. NAME OF FIELD OR PROJECT
Government P

7. WELL NO.
1

8. FIELD AND PROJ. OR VENDOR'S ADDRESS
Washington Ranch Morrow

9. DATE OF REPORT
Sec. 22, T25N, R24E

10. COUNTY OF FIELD
New Mexico

11. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

1. TEST WATER RISE/NOISE	2. PULL OR ALTER CABLE	3. WATER RISE/NOISE	4. REPORTED WELL
5. PRACTICE TREATMENT	6. MULTIPLE COMPLETE	7. PRACTICE TREATMENT	8. ALTERED CASING
9. DRIFT OR ACIDIFY	10. ABANDON	11. DRIFTING OR ACIDIFY	12. DRIFTING
13. REPAIR WELL	14. CHANGE PLATE	15. (Other) Spud & seal surf. seg.	16. (Other) Spud & seal surf. seg.

17. IN WRITING, UNDER 100 WORDS, DESCRIBE THE OPERATION, clearly state all pertinent details, and give pertinent data, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface location and measured and true vertical depths for all casings and tools pertinent to this work.

T.B. 750' Line, Sand & Salt. Prep. to drill ahead. Well was cased with a rat hole machine on 3-12-73. Drilled to a T.B. of 20'. Ran 1 jt. (20') 20" 900 conductor pipe out and cemented @ 20' w/3 yds. Redmix. Cemented to bottom of collar. WOC 48 hrs. Spudded with rotary on 3-13-73. Drilled to T.B. of 750'. Ran 18 jts. (722') 13-3/8" OD 48' H-40 csg. out and cemented @ 734' w/410 sacks MOWCO Lite w/56 @/lb. 1/40 Flocals and 22 CaCl₂/sack + 200 sacks Class C w/22 CaCl₂ cement. Circulated cement to surface. Plug down @ 11:10 a.m. on 3-16-73. WOC 24 hrs. Tested 13-3/8" csg. and BOP's to 1000 psi for 30 minutes with no drop in pressure.

RECEIVED
MAR 26 1973
CONSERVATION COMM
Santa Fe

RECEIVED
MAR 21 1973
GEOLOGICAL SURVEY
ALBUQUERQUE, N.M.

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

SIGNED E. J. Smith TITLE Basin Operation Manager DATE March 19, 1973

(This space for Signatures (State office use))

APPROVED BY W. L. Blevins TITLE Geologist DATE March 19, 1973

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

N. M. O. C. C. COPY PERMIT IN TRIPLICATE
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK: **DRILL ☒** **DEEPEN ☐** **PLUG BACK ☐**

2. TYPE OF WELL: **Oil ☐** **Gas ☒** **Other ☐**

3. NAME OF OPERATOR: **Cities Service Oil Company**

4. ADDRESS OF OPERATOR: **Box 4906 - Midland, Texas 79701**

5. LOCATION OF WELL (Report location clearly and in accordance with State requirements):
At surface: 760' FBL & 1980' FEL of Sec. 22, T29N, R24E, Eddy Co., New Mexico

At proposed point: Same

6. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR CITY OFFICE:
Approx. 9-1/2 miles SW of White City, N. Mex.

7. DEPTH OF WELL (Feet): **760'**

8. DEPTH OF CASING (Feet): **1280'**

9. DEPTH OF PROPOSED WELL (Feet): **2640'**

10. DEPTH OF PROPOSED CASING (Feet): **7200'**

11. TYPE OF CASING (Show whether DE, LT, OR, etc.): **3717' GR**

SIZE OF HOLES	SIZE OF CASING	WEIGHT OF CASING	WEIGHT OF CEMENT	WEIGHT OF CEMENT
17-1/2"	13-3/8"	48#	750	Circulate
7-7/8"	5-1/2"	14 & 15.5#	7200	350 sacks

It is proposed to drill to a T.D. of 7200' and test the Strawn and Morrow formations.

The blowout prevention program is as follows:

1. One set of blind rams.
2. One set of drill pipe rams.
3. One Hydrill.

*20" casing will be set at 30' w/rathole machine and cemented with ready mix. An 11" hole will be drilled from 750'-5000' and if conditions dictate, 8-5/8" OD 24# casing will be set and cemented at this depth w/1700 sacks of cement.

RECEIVED
FEB 23 1973
U.S. GEOLOGICAL SURVEY
MIDLAND, TEXAS

12. STATE DEPT. OF REVENUE (Show whether DE, LT, OR, etc.): **3717' GR**

13. SIGNATURE OF OPERATOR: *[Signature]*

14. REGION OPERATION MANAGER: **Feb. 21, 1973**

APPROVED
FEB 26 1973
U.S. GEOLOGICAL SURVEY
MIDLAND, TEXAS

APPROVED
FEB 26 1973
U.S. GEOLOGICAL SURVEY
MIDLAND, TEXAS

DECLARED WATER BASIN
7534
CEMENT SET IN CASING MUST BE CIRCULATED

7534



CITIES SERVICE OIL COMPANY

Box 4906
Midland, Texas 79701
Telephone: 915 634-7131

February 21, 1973

United States Department of the Interior
Geological Survey
Artesia, New Mexico 88210

Re: Application to Drill
Government "P" No. 1
Washington Ranch Pool
Eddy County, New Mexico

Gentlemen:

Cities Service Oil Company respectfully requests permission to drill Well No. 1 on the Government "P" Lease, located 1980' EEL and 760' EEL, Section 22-25S-24E, Eddy County, New Mexico.

In support of this application the following data is submitted:

1. Form 9-331C, Application for Permit to Drill.
2. Form G-102, Well Location and Acreage, Location Plat.
3. Development Plan for Surface Use, which includes the following information:
 - a. Plat showing existing roads, planned access road and location of nearby wells.
 - b. Plat showing distances from location of Government "P" No. 1 to Rattlesnake Springs, Ralph Hood's house, Ralph Hood's fresh water pond and the Washington Ranch airstrip.
 - c. Plat showing location layout, including position of the rig, mud tanks, reserve pit, pipe racks, etc.
 - d. Blow out preventer diagram.
 - e. Xerox copy of mud program.

The location falls on a rocky hillside that will require considerable leveling. It borders an irrigated alfalfa field that lies directly to the south. It is planned to run up with the rig to the north and reserve pit to the west.

RECEIVED
FEB 23 1973
U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

Government "P" No. 1 is located 2740' north of Cities Service Oil Company's Government "M" No. 3 which is completed as a Morrow gas well and is flowing to El Paso Natural Gas Company.

The planned access road to the new location will be an extension of the existing road to Government "M" No. 3. It will border the east side of Ralph Hood's irrigated alfalfa field then turn west into the location.

Mr. Ralph Hood is the surface landowner (no royalty). He lives 2640' from the proposed location. His address is Pine Springs Route, Carlsbad, New Mexico, and his telephone number is 505/785-2307. It is planned to buy water for drilling the well from Mr. Hood and he is agreeable. He has been contacted and has given his verbal approval to our proposed access road.

If completed as a Morrow gas producer, the Government "P" No. 1 will not require a tank battery at a distant location. A production unit will be set 150' from the well on the drilling pad, and a 120 barrel tank will be set on the same drilling pad to collect small volumes of connate water produced with the gas. The gas purchaser will set a meter run nearby and downstream from the production unit.

Due to the possibility of lost returns the proposed casing program will consist of:

20" at 30', set with rat hole machine and cemented to base of cellar with Redi-mix.

13-3/8" at 750', set in 17-1/2" hole with cement circulated.

A 12-1/4" hole will be drilled out from under the 13-3/8" to 5,000'. If no lost circulation problems have developed, will reduce hole size at 5,000' to 7-7/8" and drill to T.D. 7,200'. A full string of 5-1/2" casing will be run to T. D. and cemented back to 5,000'.

If lost circulation is a problem under the 13-3/8", the 12-1/4" hole will be drilled to 5,000' and a string of 8-5/8" casing will be run to 5,000' and cemented up to the loss zone. Underneath the 8-5/8", a 7-7/8" hole will be drilled to total depth 7,200', and a 5-1/2" liner will be run and cemented to tie-back into the 8-5/8" casing.

If the well is completed as a producer, the pits will be back-filled and levelled, debris removed, and surface equipment fenced. If it

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U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
ALBUQUERQUE, NEW MEXICO

United States Department of the Interior
February 21, 1973
Page - 1

is a dry hole, the well will be plugged as per United States Geological Survey requirements, the pits back-filled and levelled and all debris removed.

Yours very truly,



E. Y. Wilder
Region Operations Manager
Southwestern Region
Production Division

EYW:dip
Attachments

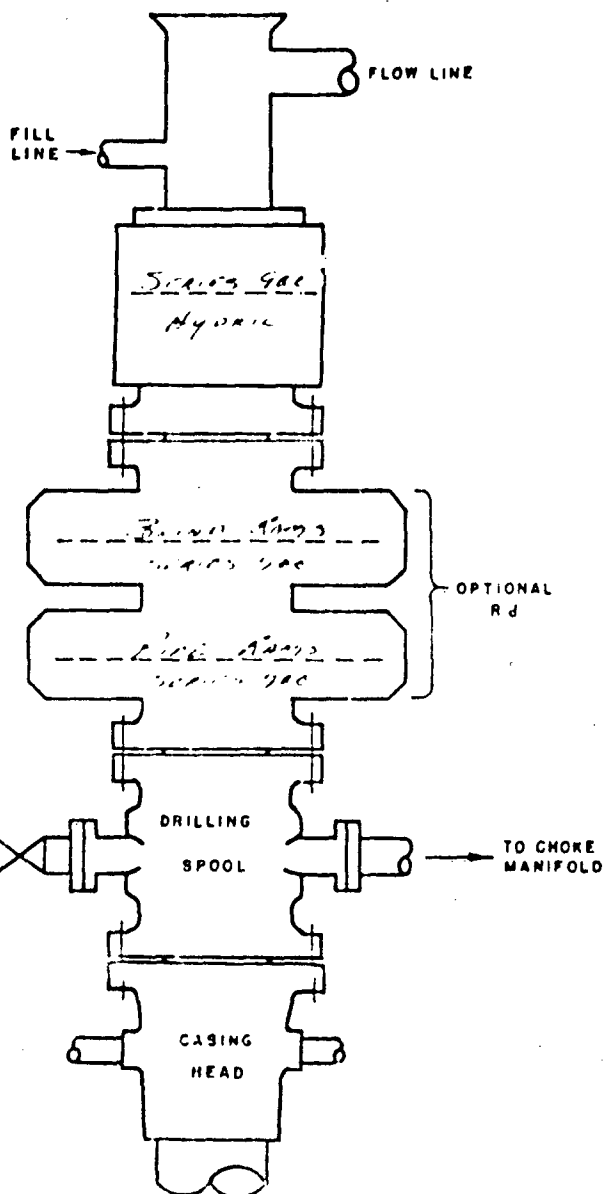
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FEB 23

1973

BLOWOUT PREVENTER REQUIREMENTS

API _____ M- _____ - SRRA
SRdA



CLOSING METHOD

SUFFICIENT ACCUMULATOR VOLUME SHALL BE AVAILABLE TO OPERATE BOTH THE BAG PREVENTER AND PIPE RAM PREVENTER WITH A SNAP-ACTION THROUGH THE FOLLOWING STEPS: CLOSE-OPEN-CLOSE.

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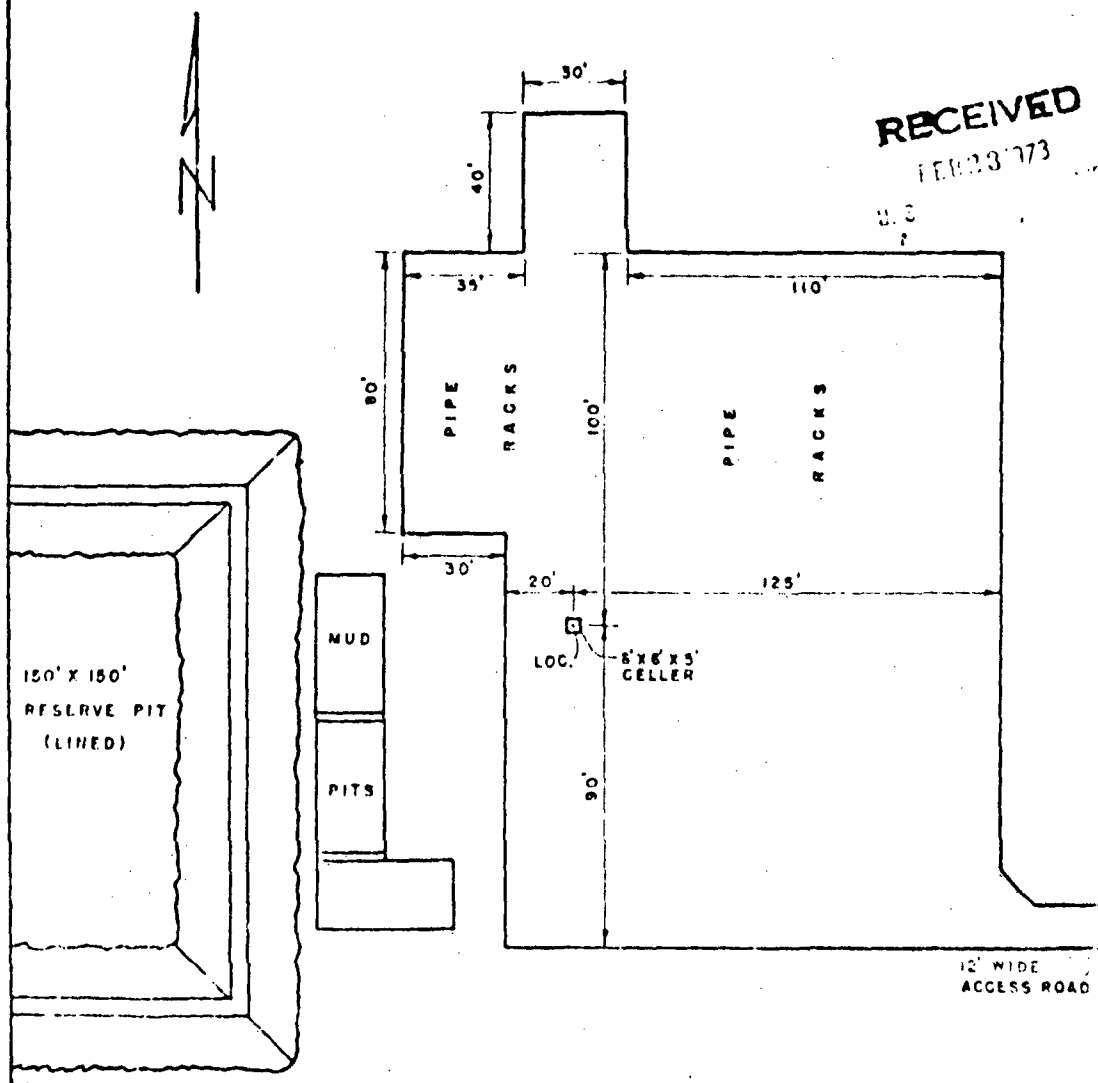
FEB 23 1973

FIG. 2

GOVERNMENT "P" NO.1 LOCATION

1980' FEL, 760' FSL, SEC. 22-21S-24E
EDDY COUNTY, NEW MEXICO

RIG UP WITH V-DOOR TO NORTH
RESERVE PITS TO WEST
SCALE 1" = 40'



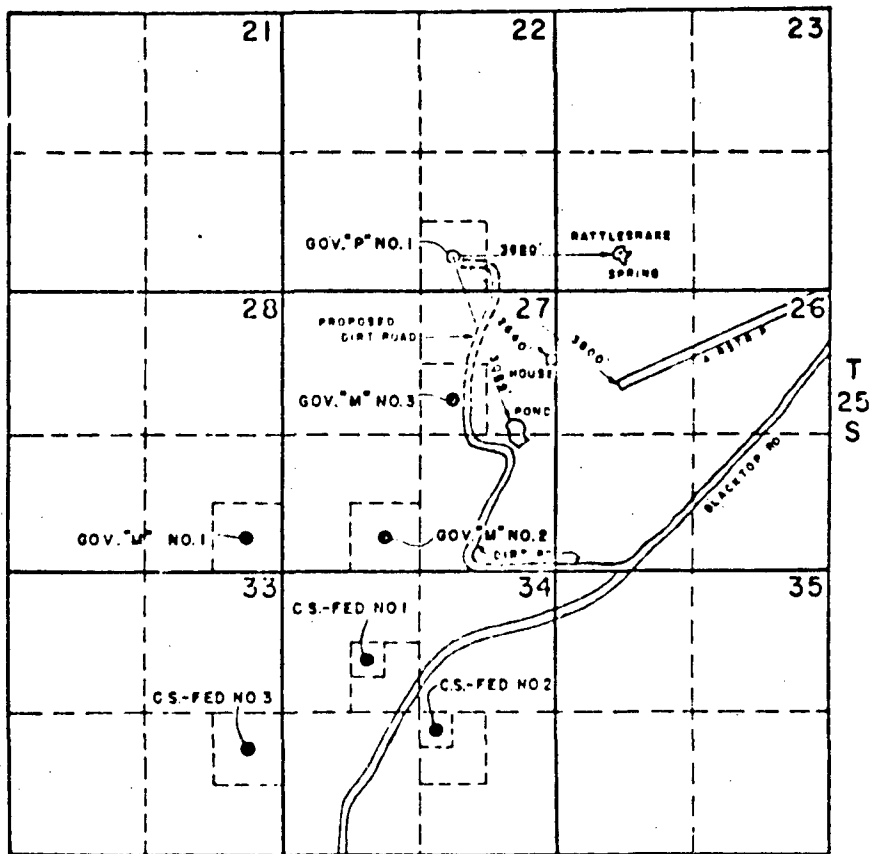
GOVERNMENT "P" NO.1 LOCATION

1980' FEL, 760' FSL, SEC. 22-21S-24E

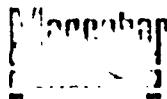
EDDY COUNTY, NEW MEXICO

SCALE 2" = 1 MILE

R 24 E



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STANDARD INDUSTRIES, INC.

SUGGESTED MUD PROGRAM

February 20, 1973

Mr. L. Y. Wilder
Cities Service Oil Company
800 Vaughn Building
Midland, Texas 79701

Dear Mr. Wilder:

The following is a suggested drilling fluid and casing program with estimated mud cost for your Government "W" #1 to be drilled 1,200' and 7,200' in Section 22-25-24, Tully County, New Mexico.

CONCEPT: 50' of 20"

Rathdrum line.

CONCEPT: 7,200' of 21" x 22"

Suggest drilling with fresh water, Maxwell 1000 lbs. per cu. ft. fluid with a 10 to 20 sec./1000 cu. ft. rate and all cuts to 100 mesh. Loss circulation material to water ratio of 1:1, containing 10% solids.

CONCEPT:

1. In the event loss circulation is encountered, suggest dry drilling to casing point and run a line.

In the event loss circulation is encountered, suggest dry drilling to casing point and run a line.

PRODUCTION: 7,200' of 21" x 22"

Suggest drilling out from under surface with fresh water, using line for pH control (10 to 11 pH).

There is a possibility you may encounter a zone to complete loss circulation around 1,100'. Suggest installing the drilling fluid system with loss circulation material and 1:1 Maxwell 1000 lbs. per cu. ft. prior to 1,100'.

This type drilling fluid should be changed at 1,100'.

Mr. Wilder

2

February 20, 1973

In the event you do not encounter seepage or loss while drilling down to 5,000', suggest pressure up on hole to the equivalent of a 9.2 - 9.5 lbs/gal. drilling fluid weight and if not loss occurs, suggest reducing hole size and continue drilling with fresh water, using lime for pH control.

This type drilling fluid should be sufficient to drill to 6,500'.

In the event fill-up occurs, suggest adding Visquik (Flosal) to the drilling fluid system in sufficient quantities to clean the hole and prevent fill-up, or maintain a 40 to 50 sec/1000 cc Visquik slurry in fifth pit and pump a 100 barrel slug through hole every 12 to 24 hours.

At 6,500' suggest mudding up with a fresh water, low solids 'Mecogel', 'Agco GKC', Spersene type drilling fluid with the following characteristics:

Weight:	9.0 to 9.2 lbs/gal.
Viscosity:	38 to 45 sec/1000 cc
Water loss:	5.0 cc or less
Initial Gel:	0
10 Min. Gel:	0 to 5
pH:	9.0 to 10.0

This type drilling fluid should be sufficient to drill to 7,500' with exception of weight which may need altering as hole conditions dictate.

COMMENTS:

1. A Senco adjustable choke, super screen shale shaker and a flow line sensor will be beneficial from 6,500' to total depth.
2. In the event you encounter loss circulation prior to 5,000' or loss or seepage occur while pressuring up at 5,000', suggest running 8 5/8" casing at 5,000'. Then drilling out below 8 5/8" casing with fresh water, using lime for pH control and mudding up at 6,500' as stated above.
3. In the event severe loss circulation is encountered around 4,125', suggest dry drilling to 5,000', pumping a 50 to 75 barrel Visquik slug through hole every 4 to 6 hours and prior to trips to prevent fill-up and clean the hole.

ESTIMATED MUD COST: \$4,000.00 to \$7,000.00

The estimated cost is under normal operating conditions and does not include any extensive loss circulation, gas problems, fishing jobs, etc. This cost is also based on a normal drilling rate per day; therefore, any excessive time spent on drilling due to crooked hole, testing, breakdown, etc. would increase mud cost.

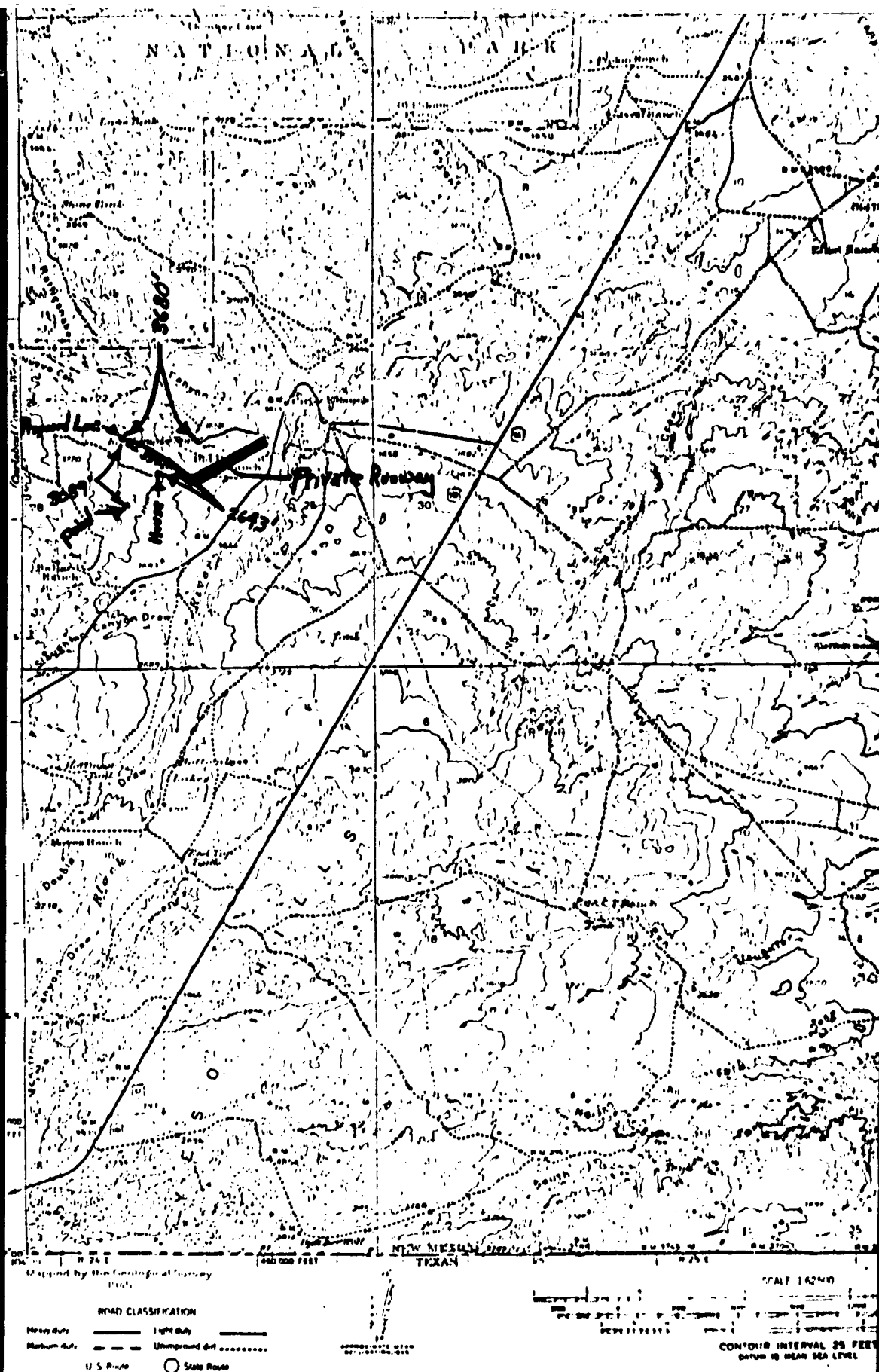
I hope the above information will be of benefit to you and if we may be of further service, please do not hesitate to call.

Yours very truly,

WAGGONER

R. F. Parker
Regional Engineer

RECEIVED
FEB 21 1973
MEXICO



FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER 25, COLORADO
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS

Form G-201 (1 May 1962)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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MAY 30 1972
OIL CONSERVATION COMM.
Santa Fe

Form Approved
GSA GEN. REG. NO. 27

NO 0512335

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

2. TYPE OF WELL

OIL ☐

GAS ☒

OTHER ☐

SINGLE ☐

MULTIPLE ☒

3. NAME OF OPERATOR

CITIES SERVICE OIL COMPANY

4. ADDRESS OF OPERATOR

P.O. Box 69, Hobbs, N.M. 88240

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface
760' FSL & 1980' FEL Sec. 22-25E-34E, Eddy Co. N.M.

At proposed prod. well

Same as above

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

Approx. 9 1/2 miles SW of Hobbs City, New Mexico

7. DISTANCE FROM PROPOSED

LOCATION TO NEAREST
PROPERTY ON LAND LINE, FT.
(Also to nearest city, town, or village)

760'

8. NO. OF ACRES IN LEASE

1280

9. DISTANCE FROM PROPOSED LOCATION

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

2640'

10. PROPOSED DEPTH

7200'

11. NO. OF ACRES ADJACENT

TO THIS WELL

320

12. SIGNATURE (Show whether DP, RT, GR, etc.)

3714.11' GR

13. APPROX. DATE WHEN WELL COMPLETED

5-20-72

14.

PROPOSED CASING AND CEMENTATION PROGRAM

SIZE OF CASING	SIZE OF CASING	DEPTH PER FOOT	DEPTH PER FOOT	QUANTITY OF CEMENT
12 1/4"	8 5/8"	240	750	Circulase
7 7/8"	5 1/2"	14 & 15.50	7200	350 sacks

It is proposed to drill to a T.D. of 7200' and test the stream and horizon formations.

The blowout prevention program is as follows:

1. One set of blind rams.

2. One set of drill pipe rams.

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MAY 30 1972
OIL CONSERVATION COMM.
Santa Fe

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MAY - 4 1972
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

15. ADVISE STATE DEPARTMENT OF MINES: If proposal is to deepen or plug a well. If proposal is to drill or deepen directionally, give pertinent data on sub-surface program, if any.

16. ADVISE STATE DEPARTMENT OF MINES: If proposal is to deepen or plug a well. If proposal is to drill or deepen directionally, give pertinent data on sub-surface program, if any.

17. SIGNATURE OF OPERATOR
18. TITLE
19. DATE
(This space for Federal or State office use)

APPROVED
MAY 25 1972
R. L. BRECKMAN
ARTESIA DISTRICT ENGINEER

THIS APPROVAL IS RESCINDED IF OPERATIONS
ARE NOT COMMENCED WITHIN 90 DAYS
AUG 25 1972
See Instructions On Reverse Side

NOTARY USED IN SUFFICIENT TIME TO
WITNESS SIGNATURE AND
8%

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NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances given to show the correct boundaries of the Section

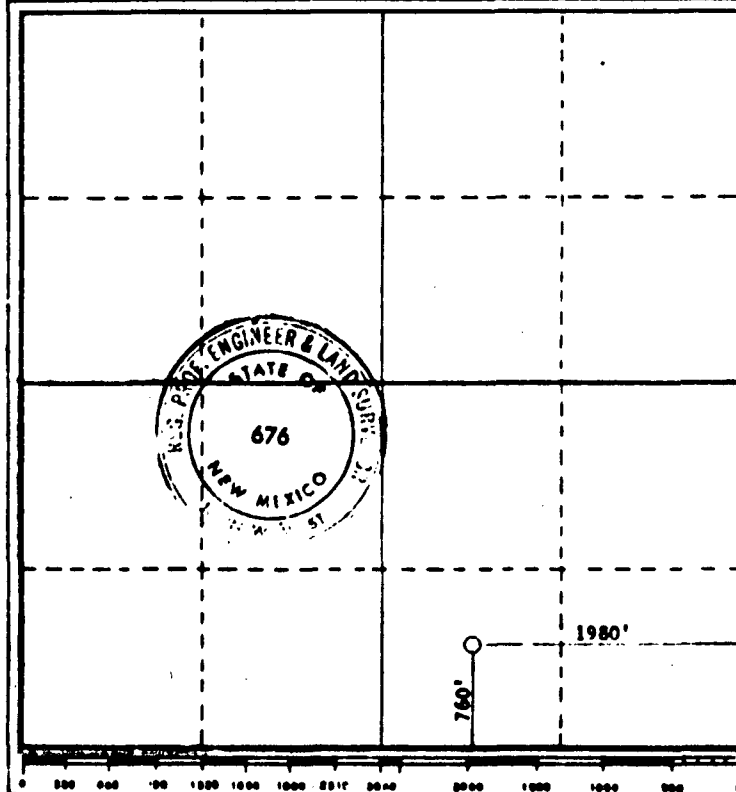
Operator CITIES SERVICE OIL COMPANY		Lease GOVERNMENT "P"	
Well Letter Q	Section 22	Township 25 SOUTH	Range 24 EAST
		County ESQ	OIL CONSERVATION COMMISSION
		Santa Fe	

Actual Footage Location of Well: 760 feet from the SOUTH line and 1980 feet from the EAST line	
Ground Level Elev. 3714.11'	Producing Formation ROPER
Pool Union, Washington Ranch Pools	Dedicated Acreage 2.00 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?
☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated (if on reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Name **ORIGINAL SURVEYOR**
G. A. ROBINSON

Position
Dist. Admin. Supervisor

Company
CITIES SERVICE OIL COMPANY

Date
5-2-72

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I hereby certify that the information shown on this plat is correct and true to the best of my knowledge and belief under my signature and seal as a Registered Professional Engineer and Surveyor.

Date Surveyed
APRIL 27, 1972

Registered Professional Engineer and Surveyor

John W. West

Certificate No. **676**

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-B1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM 0472258

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Government M

9. WELL NO.

3

10. FIELD AND POOL, OR WILDCAT

Undes. (Washington Ranch)

11. SEC. T. R. M. OR BLM. AND
SURVEY OR AREA

Sec. 27-T25S-R24E

12. COUNTY OR PARISH

Eddy

13. STATE

New Mexico

1. OIL ☐ GAS ☒ OTHER ☐
WELL WELL

2. NAME OF OPERATOR

CITIES SERVICE OIL COMPANY

3. ADDRESS OF OPERATOR

Box 69, Hobbs, New Mexico 38240

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*

See also space 17 below.)
At surface

1980' FNL & 1980' FEL of Sec. 27-T25S-R24E, Eddy Co. New Mexico

14. PERMIT NO.

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

3730 DF

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☒ Well Completion DataREPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

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.)*

TD 7063 Shale PBTD 7061 Well Complete. Drilled to a T.D. of 7068 and ran 16 jts (662') 4" OD 9.5 # K-55 Hydrill F.J. casing on bot Type "C" liner Hanger. Set and cemented liner @ 5404 - 7066 W/35 sacks Class "C" W/O.3% Halad y Cement. WOC 36 hrs. DO and GO inside of liner to PBTD 7061. Tested 4" liner with 1500 psi for 30 minutes with no drop in pressure. Ran 214 jts 2 7/8" OD Buttress tubing W/Type "F" psi nipple @ 6362. Perforated W/1 - 0.33" hole each @ 6916, 6919, 6933, 6943, 6947, 6951, 6954, 6959, 6963, 6965, 6968, 6976, 6979 and 6981. Surface pressure @ completion of perforating was 1450 psi. Unloaded well to pit. Flowed gas @ rate of 1.307 MCFD, FTP 550 psi, 32/64" choke, 12 hrs after perforating. Shut well in for 4 point tests. 48 hr SITP 2520 psi. Well flowed @ 4 rates as follows: Rate No. 1 3/64" choke FTP 1395 psi 725 MCFD, Rate No. 2 13/64" choke FTP 1182 psi 1324 MCFD, Rate No. 3 22/64" choke FTP 601 psi 1619 MCFD, Rate No. 4 34/64" choke FTP 542 psi 1640 MCFD. C.A.O.F. 1771 MCFD, SP. Grav of Gas 0.570, Slope of points 1.

RECEIVED
JUN 13 1972
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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

SIGNED

TITLE Dist. Admin. Supervisor

DATE June 9, 1972

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*See Instructions on Reverse Side

MAY 12 1972
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-B255.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.

WM 0472258 (A)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT

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

Sec 27-T25S-24E

12. COUNTY OR PARISH
Eddy

13. STATE

New Mexico

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Otherb. TYPE OF COMPLETION:
NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other

2. NAME OF OPERATOR

CITIES SERVICE OIL COMPANY

3. ADDRESS OF OPERATOR

P.O. BOX 88, HOBBS, N.M. 88240

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface

660' FSL & 1380' FWL Sec 27-T25S-24E, Eddy Co. New Mexico

At top prod. interval reported below

At total depth

Same as above

Same as above

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 19. ELEV. CASINGHEAD

3-28-72

4-20-72

5-4-72

3/31/72

3/1/72

20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 24. ROTARY TOOLS 25. CABLE TOOLS

6480

6510

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

6615--6688, Morrow

26. TYPE ELECTRIC AND OTHER LOGS RUN

Bore Hole Compensated Sonic Log-

Gamma Ray, Dual Induction-Lateral Log, Proximity-Induction

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"	3.67	0"	10"	8 yds 5 sack Bedmix	
11 5/8"	2.44	745'	11"	200 sacks, 7 1/2 yds Bedmix	
1 1/2"	14.15	6975'	7 7/8"	350 sacks	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 1/8"	675'	6732

31. PERFORATION RECORD (Interval, size and number)

1 -- 1.33" Hole each at 6815, 6819, 6823, 6827, 6843, 6849, 6852, 6855, 6860, 6863, 6874, 6878, 6882 and 6886

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
4-28-72		Flowing				Shut-in	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
4-28-72		various	→				
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	CORR. (CORR.)	
		→					

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

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

TITLE Dist. Admin. Supervisor

DATE May 5, 1972

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

Eddy SF

OIL CONSERVATION COMMISSION

RECEIVED

DRAWER DD

AUG 15 1973

ARTESIA, NEW MEXICO 88210

O. C. C.
ARTESIA, OFFICE

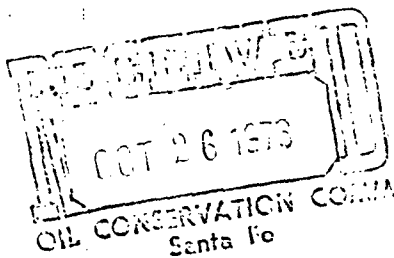
NOTICE OF GAS CONNECTION

DATE August 13, 1973

This is to notify the Oil Conservation Commission that connection for the
purchase of gas from the Cities Service Oil Co., Government M1,
Operator Lease
P, 28-255-24#, Washington, El Paso Natural Gas Co.,
Well Unit S.T.R. Ranch Pool Name of Purchaser

was made on July 13, 1973.

Date of first delivery August 13, 1973.



El Paso Natural Gas Company
Purchaser

J. E. Vaughan
Representative

Chief Division Engineer
Title

cc: To operator
Oil Conservation Commission - Santa Fe

10-26-73-ig

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on reverse side)Form approved.
Budget Bureau No. 42-R1424.

LEASE DESIGNATION AND SERIAL NO.

NM-0472258

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Government M

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

28-25S-24E

12. COUNTY OR PARISH

Eddy

13. STATE

N.M.

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 "APPLICATION FOR PERMIT—" for such proposals.)1. OIL WELL ☐ GAS WELL ☐ OTHER ☒ Temporarily Abandoned

2. NAME OF OPERATOR

Cities Service Oil Company

3. ADDRESS OF OPERATOR

P. O. Box 69 - Hobbs, New Mexico 88240

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

See also space 17 below.)

At surface

660 FSL & 660 FEL

14. PERMIT NO.

RECEIVED

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

3779 DF

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREATMENT

SHOOT OR ACIDIZE

REPAIR WELL

(Other) Temporary Abandonment

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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.)

TD 7951' - PBD 7185' - Ran correlation log. Ran 2 3/8 J-55 tubing to 6987 with packer at 6903'. Nipped up tree. Perforated Narrow sand through tubing, 10 holes; 7039-7044; 8 holes 7048-7052; 20 holes 7066-7076. Tested natural 887 MCF/D and 135 bbls. salt water per day. Squeezed off narrow perms. through RTTS set at 6997' with 35 sacks cement at 5000 psi. Drilled out cement 6997-7058. Repaired Narrow sand. 20 holes 7039-7044; and 16 holes 7048-7052. Ran tubing with packer at 6997'. Swabbed well dry. Acidized with 2000 gal. mud acid at rate of 3 3/4 B/M at 5000 psi. Swabbed well in. Tested narrow at rate of 1,367 MCF/D, FTP 400 psi on 20/64" choke. No fluid. Killed well. Pulled tubing and packer. Temporarily abandoned narrow sand by setting C.I. bridge plug at 7000' with 2 sacks cement on top of plug to 6984'.

PBD 6984 - Perforated Atoka 12 holes 6816-6822. Set packer at 6770'. Swabbed well dry. Acidized Atoka with 2000 gal. at rate of 3 B/M at 4600 psi. Total load 76 bbls. Swabbed well dry recovering 50 bbls. of load. Pulled tbgs. and packer.

PBD 6984 - Perforated Strawn limited entry with holes at 5892-95-97-98-99, 5905-07-09 and 1. Set retrievable bridge plug at 5949 and packer at 5854. Swabbed well dry. Acidized Strawn with 3000 gal. at rate of 4 B/M at 4600 psi. Total load 96 bbls. Swabbed well down recovering 48 bbls. of load. Weak blow of gas TSTM. Pulled retrievable bridge plug and pkr.

PBD 6984 - Temporarily abandoned well. Ran tubing open ended. Displaced hole with mud. Laid down tubing. Reclaimed portion of mas tree. Installed locked valves on well head. T.A. 6/14/67.

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

SIGNED

TITLE

District Clerk

DATE

6/23/67

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-B-122

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 "APPLICATION FOR PERMIT—" for such proposals.)

1. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR Cities Service Oil Company		6. IF INDIAN, ALLOTMENT OR TRACT NO.
3. ADDRESS OF OPERATOR P.O. Box 69, Hobbs, New Mexico 88240		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) 1999' FWL & 2030' FWL of Sec. 30-T25S-R24E, Eddy County, New Mexico		8. FARM OR LEASE NAME Government
14. PERMIT NO.		9. WELL NO.
15. ELEVATIONS (Show whether DF, RT, GR, etc.) Est. 4000' GR		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., OR BEK. AND SURVEY OR AREA Sec. 30-T25S-R24E
		12. COUNTY OR PARISH Eddy
		13. STATE N. Mex.

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT	
TEST WATER SHUT-OFF	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	FRACTURE TREATMENT	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	SHOOTING OR ACIDIZING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	(Other)	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	ABANDONMENT*	<input checked="" type="checkbox"/>
CHANGE PLANS	<input type="checkbox"/>		

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting and 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.)*

TD 609' Ls. Plugged and Abandoned. The above well was plugged and abandoned in the following manner:

1. Set a 150 sack Class C cement plug w/15% Gilsomite and 5% Eclly from top of fish @ 466-320.
2. Loaded hole with mud laden fluid.
3. Set a 50 sack cement surface plug @ 30'-0' with a 4" pipe extending 4' above the surface to designate a P&A location.

RECEIVED
JUN 12 1970
DISTRICT ADMIN. SUPERVISOR
EDDY COUNTY, N.M.

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

SIGNED

TITLE **District Admin. Supervisor**

DATE **June 10, 1970**

(This space for Federal or State office use)

APPROVED BY **[Signature]**
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOGS*

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input type="checkbox"/>	Other <input type="checkbox"/>		
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	Other <input type="checkbox"/>
2. NAME OF OPERATOR Cities Service Oil Company						5. LEASE DESIGNATION AND SERIAL NO. 9936	
3. ADDRESS OF OPERATOR Box 69 - Hobbs, New Mexico 88240						6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1999' FNL & 2030' FWL of Sec. 30-T25S-R24E, Eddy Co., N.M. At top prod. interval reported below At total depth Same as above						7. UNIT AGREEMENT NAME	
14. PERMIT NO.						DATE ISSUED	
15. DATE SPUDDED 6-3-70						16. DATE T.D. REACHED 6-8-70	
17. DATE COMPL. (Ready to prod.) Plugged and Aban.						18. ELEVATIONS (OF REB, RT, GR, ETC.)* 4009 GR	
19. ELEV. CASINGHEAD 4009						20. TOTAL DEPTH, MD & TVD 609	
21. PLUG, BACK T.D., MD & TVD -						22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY 0-TD-609						24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* -	
25. WAS DIRECTIONAL SURVEY MADE Yes						26. TYPE ELECTRIC AND OTHER LOGS RUN Depth Determination	
27. WAS WELL CORED No						28. CASING RECORD (Report all strings set in well)	
CASING SIZE 13 3/8"		WEIGHT, LB./FT. 48#		DEPTH SET (MD) 421		HOLE SIZE 17 1/2"	
CEMENTING RECORD 640 sacks		AMOUNT CULLED 1070		JUL 1970		RECORD	
29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
33.* PRODUCTION				34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)			
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Plugged and Abandoned				WELL STATUS (Producing or shut-in)	
DATE OF TEST	HOURS TESTED	CHOKER 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.	OIL GRAVITY-API (CORR.)	
35. LIST OF ATTACHMENTS Above listed log - Deviation						36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records	
SIGNED		TITLE District Admin. Supervisor				DATE 6-24-70	

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

AFFIDAVIT

State of NEW MEXICO

Cities Service Oil Company Company

County of LEA Eddy

Lease Name Government "O" Well No. 1

In Sec. 30 Twp. 25S Rge. 24E

County

of Eddy State of

New Mexico E. Y. Wilder of lawful age being first duly sworn deposes and says:

That he supervises development and operation of the captioned lease and is duly qualified and authorized to make this affidavit and is fully acquainted with all facts herein set out concerning Deviation test and Directional Drilling.

<u>Degrees</u>	<u>Depth</u>	<u>Degrees</u>	<u>Depth</u>	<u>Degrees</u>	<u>Depth</u>
3.75	440				

RECEIVED
JUN 21 1970

Further affiant saith not.

Subscribed and sworn to before me this 24th day of June 19 70

My Commission Expires 3-1-72 James M. Egan Notary Public
Lea County, New Mexico

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

LEASE DESIGNATION AND SERIAL NO.

NM-9536

IF INDIAN, ALLOTTEE OR TRIBE NAME

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 "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		8. FARM OR LEASE NAME Government	
2. NAME OF OPERATOR Cities Service Oil Company		9. WELL NO. 1	
3. ADDRESS OF OPERATOR P. O. Box 69, Hobbs, New Mexico 88240		10. FIELD AND POOL, OR WILDCAT Wildcat	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1995' FNL & 2030' FWL of Sec. 30-T25S-R24E, Eddy County, New Mexico		11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA Sec. 30-T25S-R24E	
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) Est. 4000' GR	12. COUNTY OR PARISH Eddy	13. STATE N. Mex.

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data.

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

Spud & Surface Pipe

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

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.)*

TD 609' Ls. Prep to Plug and Abandon. Spud @ 9:00 AM on 6-3-70. Drilled to TD of 440'. Ran 12-3/4 jts. of 13-3/8" (405.73') OD 48# H-40 ST&C casing set and cemented @ 421' w/140 sacks light cement w/2% CaCl₂ + 1/4# Floseal per sack + 200 sacks Class C cement w/2% CaCl₂ + 1/4# Floseal per sack. Plug down @ 12:55 PM on 6-4-70. Cement did not circulate. WOC 3 hrs. 2nd Stage: Ran 3/4" tubing in annulus. Found top of cement @ 170'. Displaced 50 sacks Class C cement w/4% CaCl₂ + 2 sacks fibre. Plug down @ 5:30 PM on 6-4-70. WOC 1 hr. 3rd Stage: Top of cement @ 170'. Displaced 50 sacks Class C cement w/4% CaCl₂ + 2 sacks fibre. Plug down @ 7:25 PM on 6-4-70. WOC 2 hrs. 4th Stage: Top of cement @ 180'. Displaced 50 sacks Class C cement w/4% CaCl₂ + 2 sacks fibre. Plug down @ 9:45 PM on 6-4-70. WOC 2 hrs. 5th Stage: Top of cement @ 330'. Displaced 50 sacks Class C cement w/4% CaCl₂ + 3 sacks fibre. Plug down @ 12:00 AM on 6-4-70. WOC 2 hrs. 6th Stage: Top of cement @ 60'. Displaced 100 sacks Class C cement w/4% CaCl₂ + 3 sacks fibre. Plug down @ 3:00 AM on 6-5-70. Cement circulated. WOC 24 hrs. Found no cement inside 13-3/8" casing. Could not get returns. Drilled dry to a TD of 480'. Cemented lost circulation zone as follows:

Plug #1: With open ended drill pipe @ 436, displaced 100 sacks Class C cement w/12% Gilsomite + 2% CaCl₂ + 50 sacks 50-50 Calseal. Plug filled up to 425'. Would not circulate.

Plug #2: Displaced 100 sacks Class C cement w/50-50 Calseal. Plug filled up to 360'. Drilled out and lost returns @ 420'. Drilled dry to 470'.

Plug #3: With open ended drill pipe @ 450', displaced 100 sacks Class C cement w/12% Gilsomite + 4% CaCl₂. Plug filled up to 335'.

Drilled out and lost returns @ 60'. Attempted to recement and set down on iron @ 465'.

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

SIGNED

TITLE District Admin. Supervisor

DATE June 10, 1970

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Cities Service Oil Company #1 Government "0"
Sec. 30-T25S-R24E, Eddy County, New Mexico

-2-

34/11/1970
JUN 16 AM 8 38

Ran electric log to 466' and found bottom of 13-3/8" casing @ 384'. Bottom joint of 13-3/8" casing is off and loose in the hole. After receiving approval from your Artesia office we propose to plug and abandon this well in the following manner:

1. Displace 150 sack Class C cement plug w/15% Gilsomite + 4% CaCl_2 from top of fish @ 466'-320'.
2. Load hole w/mud laden fluid.
3. Displace 50 sack cement surface plug @ 30'-0' w/4" dry hole marker.

RECEIVED

JUN 12 1970

U. S. DEPT. OF
ARTESIA

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

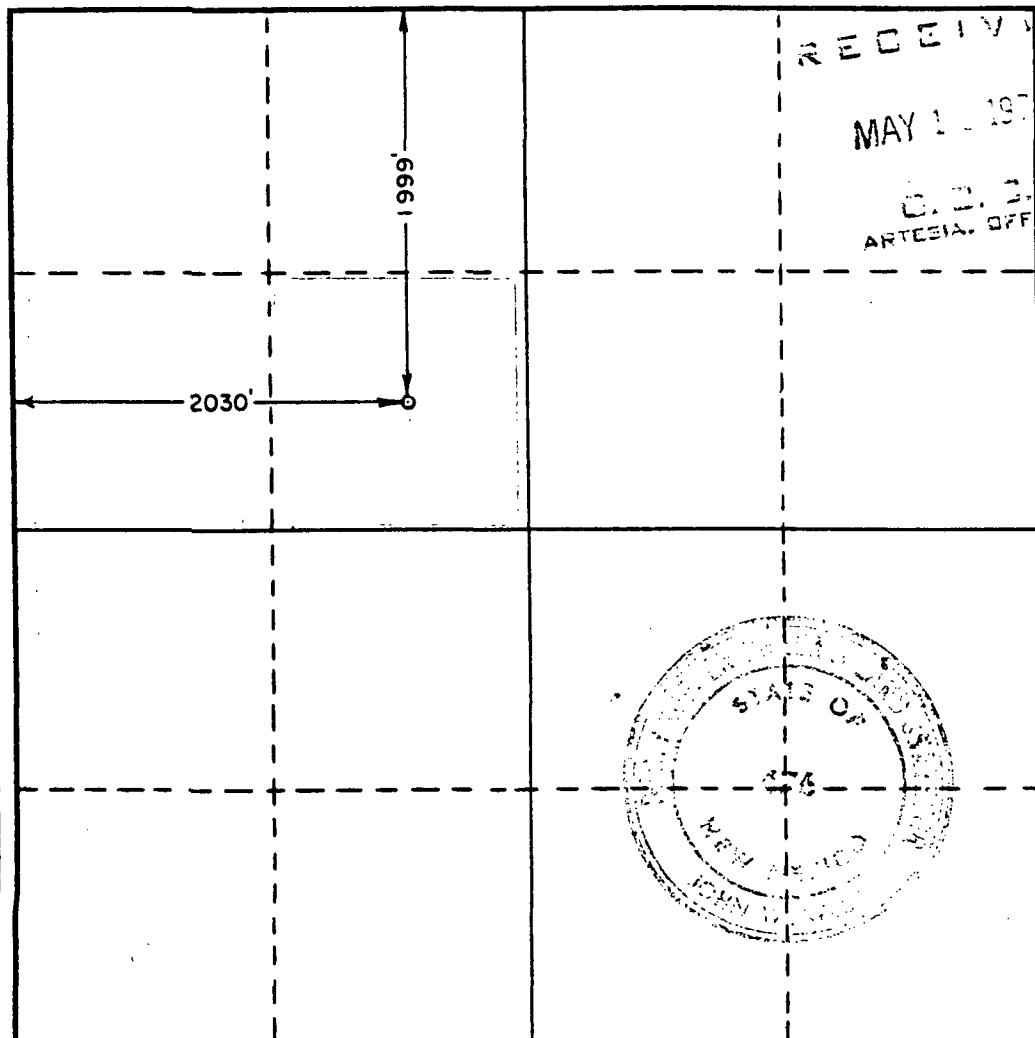
Operator CITIES SERVICE OIL CO.			Lease GOVERNMENT		Well No. 1
Unit Letter F	Section 30	Township 25 SOUTH	Range 24 EAST	County EDDY	
Actual Footage Location of Well: 1999 feet from the NORTH line and 2030 feet from the WEST line					
Ground Level Elev. Est. 4000'	Producing Formation Morrow	Pool Wildcat		Dedicated Acreage: 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



RECEIVED
MAY 1 1970
D. D. J.
ARTESIA OFFICE

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name **ORIGINAL SIGNED**
 C. D. ROBERTSON

Position
District Admin. Supervisor

Company
Cities Service Oil Company

Date
May 11, 1970

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
APRIL 11, 1970

Registered Professional Engineer and/or Land Surveyor

John W. West
Certificate No. **676**

0 330 660 990 1320 1650 1980 2310 2640 2970 3300

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐OTHER ☐SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Cities Service Oil Company

3. ADDRESS OF OPERATOR

Box 69 - Hobbs, New Mexico 88240

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)

At surface

1999 FNL & 2030' FWL of Sec. 30-T25S-R24E

Eddy County, New Mexico

At proposed prod. zone

Same as above

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

20 miles SW of White City, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any)

2030' West

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

-

16. NO. OF ACRES IN LEASE

805.15 acres

19. PROPOSED DEPTH

7500

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40 acres

20. ROTARY OR CABLE TOOLS

Rotary

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

Est. 4000 GR

22. APPROX. DATE WORK WILL START*

May 15, 1970

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	18 3/8"	48#	400	Circulate
11 1/2"	8 5/8"	24#, 28 & 32#	4000	Circulate
7 7/8"	5 1/2"	14#, 15.5#, 17#	TD 7500	1000 sacks

It is proposed to drill to a T.D. of 7500' using drilling fluid (no air)
and test the Delaware Sand, Dean Sand, Strawn and Morrow Formations.

The Blowout Prevention Program is as follows:

1 - Set of Blind Rams

1 - Set of Drill Pipe Rams

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED _____

TITLE District Admin. Supervisor

DATE May 14, 1970

(This space for Federal or State office use)

PERMIT NO. _____

APPROVAL DATE _____

DECLARED WATER BASIN

CEMENT BEHIND THE
CASING MUST BE CIRCULATEDAPPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

THIS APPROVAL IS RESCINDED IF OPERATIONS
ARE NOT COMMENCED WITHIN 3 MONTHS.
AUG 15 1970
See Instructions On Reverse Side

R. L. BEEKMA

NOTIFY AGENCIES WITHIN 10 DAYS OF THE TIME THAT
WITHIN 10 DAYS OF THE TIME THAT

COUNTY	EDDY		FIELD	Wildcat		STATE	NM 30-015-20307	
OPR	CITIES SERVICE OIL CO.					MAP		
	1 Government "O"							
	Sec 30, T-25-S, R-24-E					CO-ORD		
	1999' FNL, 2030' FWL of Sec.							
	Spd 6-3-70					CLASS		
	Cmp 6-9-70					E		
			FORMATION	DATUM			FORMATION	DATUM
CSG & SX - TUBING								
13 3/8" at 430'								
LOGS EL GR RA IND HC A								
			TD 609'					

JUNKED & ABANDONED

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Reproduction rights reserved by Williams & Lee Scouting Service, Inc.

CONT.	PROP DEPTH	7500'	TYPE
DATE			

	F.R. 5-18-70; Opr's Elev 4000' GL
	PD 7500' - Morrow
6-8-70	TD 609', Tight
6-15-70	TD 609', JUNKED & ABANDONED
	Lost circ. @ 609' and bottom joint of 13 3/8"
	csg parted.
6-18-70	COMPLETION REPORTED



**THE REPRODUCTION OF
THE
FOLLOWING
DOCUMENT (S)
CANNOT BE IMPROVED
DUE TO
THE CONDITION OF
THE ORIGINAL**

Form G-21
(May 1962)

N. M. O. C. G. COPY
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE
(Other instructions on the
reverse side)

Form approved
Budget Bureau No. 42 21426
PLEASE PRINT NAME AND ADDRESS OF
OWNER

NM 0558959

IF INDIAN, ALLOTTEE OR TRIBE NAME

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 "APPLICATION FOR PERMIT" for such proposals.)

1. ☐ OIL WELL ☐ GAS WELL ☐ OTHER Dry Hole RECEIVED

2. NAME OF OPERATOR Black River Corporation NOV 4 1973

3. ADDRESS OF OPERATOR
620 Commercial Bank Tower, Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

1985' FNL & 2087' FWL of Section 4

14. PERMIT NO. 3797 G.L.

15. ELEVATIONS (Show whether OF, ON, OR, etc.)

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

BR Federal A.

9. WELL NO.

2

10. FIELD AND TOWN, OR WILDCAT

Washington Ranch Morrow.

11. SEC., T., R., W., OR BLM, AND
SURVEY OR AREA

Sec. 4, T26S, R24E

12. COUNTY OR PARISH, STATE

Eddy New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTES OF INTENTION TO:

TEST WATER SHUT-OFF

FRACURE TEST

SHUT-IN OR ABANDON

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETION

ABANDON

CHANGE PLANS

STANDARD REPORT OF:

WATER SHUT-OFF

FRACURE TREATMENT

SHUT-IN OR ABANDON

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT

X

(Note: Report results of multiple completion on Well
Completion or Resumption Report and Log form.)

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 perti-
nent to this work.)

The subject well was plugged and abandoned on November 2, 1972 in accordance with verbal plugging instructions and permission received from Mr. Knauf on 11/2/72 in the following manner: At a total depth of 7350 feet, at which time no commercially productive zones had been encountered a 30 sack cement plug was spotted from 7100' to 7000'; a 30 sack cement plug was spotted from 6040' to 5940'; 30 sack cement plug from 3720' to 3620'; 30 sack cement plug from 2300' to 2200'; 30 sack cement plug from 625' to 525' which was 50 feet below and above the 8-5/8" casing. A 20 sack cement was set at the surface. The 8-5/8" casing was capped with a steel plate and an appropriate marker welded to the steel plate. The USGS will be notified when location is ready for final inspection.

RECEIVED
NOV 18 1972
U. S. GEOLOGICAL SURVEY
ALBUQUERQUE, NEW MEXICO

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

SIGNED

J. T. Berry

TITLE Agent

DATE 11/15/72

(This space for Federal or State Office use)

APPROVED BY
COMMISSIONER OF GEOLOGY, IF ANY:

TITLE

DATE

APPROVED
NOV 2 - 1973
H. L. BECKMAN
ACTING DISTRICT ENGINEER

*See Instructions on Reverse Side

Form 9-250
(Rev. 3-63)

N. M. O. C. C. COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)

Form approved
Bulpet Bureau No. 43-R345.8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input type="checkbox"/> HOT <input checked="" type="checkbox"/> Other <input type="checkbox"/>		2. LAND DESIGNATION AND SERIAL NO. NM 0558959	
3. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WIRE <input type="checkbox"/> DEEP <input type="checkbox"/> PIPE <input type="checkbox"/> DIFF. <input type="checkbox"/> OTHER <input type="checkbox"/>		4. IF INDIAN, ALLOCATION OR TRIBE NAME	
5. NAME OF OPERATOR Black River Corporation		7. UNIT AGREEMENT NAME	
6. ADDRESS OF OPERATOR 620 Commercial Bank Tower, Midland, Texas 79701		8. FARM OR LEASE NAME BR-Federal 4	
9. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 1985' FNL & 2087' FWL of Section 4 At top prod. interval reported below Same At total depth		10. FIELD AND POOL OR WILDCAT Washington Ranch Morrow	
11. PERMIT NO. 10/30/72		12. COUNTY OR PARISH Eddy	
13. DATE STOPPED 10/14/72		14. STATE New Mexico	
15. DATE T.D. REACHED 11/2/72		16. ELEVATION (TOP, BBL, BT, CR, ETC.) 3797 G.L.	
17. DATE COMPL. (Ready to prod.) Dry Hole		18. INTERVALS ROTARY	
19. TOTAL DEPTH, MD & TVD 7350		20. WAS DIRECTIONAL SURVEY MADE No	
21. PLUG BACK T.D. MD & TVD 7350		22. IF MULTIPLE COMPL., HOW MANY? ONE	
23. PRODUCING INTERVAL(S) OF THIS COMPLETION—TOP, BOTTOM, NAME (MD & TVD) NA		24. WAS WELL Cased No	
25. TYPE BATTERY AND OTHER LOGS RUN BHC-CR, ML		26. CARING RECORD (Report all strings set) CARING RECORD	
27. CARING RECORD (Report all strings set) CARING RECORD		28. TUBING RECORD	
29. LINER RECORD		30. TUBING RECORD	
31. PROPORTION RECORD (Interval, size and number) None		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. None	
33. PRODUCTION DATE FIRST PRODUCTION Non commercial		34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY	
35. LIST OF ATTACHMENTS		36. SIGNATURE J. T. Berry, Agent DATE 11/15/72	

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

Form 9-131
May 1963

N. M. O. C. C. CUP

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PERMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved
Budget Bureau No. 42 R1426

5. LEASE IDENTIFICATION AND SERIAL NO.

NM-0558959

6. IF INDIAN, ALIQUOT OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

BR-Federal 4

9. WELL NO.

2

10. FIELD AND POOL, OR WELDFIELD

Washington Ranch Morrow

11. SEC., T., R., W., OR S.W., AND
SUBST. OR AREA

Sec. 4, T26S, R24E

12. COUNTY OR PARISH, 13. STATE

Eddy

New Mexico

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 "APPLICATION FOR PERMIT" for such proposals.)

1. ☐ OIL WELL ☐ GAS WELL ☐ OTHER Dry Hole

2. NAME OF OPERATOR

Black River Corporation

3. ADDRESS OF OPERATOR

620 Commercial Bank Tower, Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface 1985' FNL & 2087' FNL Section 4

14. PERMIT NO.

15. ELEVATIONS (Show whether OF, AT, OR, OLD)

3797 GL

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRAC TURE TREAT

SHOOTING OR ACIDIZING

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETION

ABANDON

CHANGE PLANS

☐

☐

☒

☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRAC TURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT

☐

☐

☐

(Note: Report results of multiple completion on Well Completion or Recumpletion Report and Log form.)

17. ONCE THIS PERMIT OR COMPLETION 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.)

It is intended to plug and abandon on 11/2/72 in the following manner as per verbal plugging instructions received from Mr. Knauf on 11/2/72. At a total depth of 7350 feet, at which time no commercially productive zones had been encountered a 30 sx. cement plug will be spotted from 7100' to 7000'; a 30 sx. cement plug will be spotted from 6040' to 5940'; 30 sx. cement plug from 3720' to 3620'; 30 sx. cement plug from 2300' to 2200'; 30 sack cement plug from 625' to 525' which is 50 feet below and above the 8-5/8" casing. A 20 sx. cement will be set at the surface. The 8-5/8" casing will be capped with a steel plate and an appropriate marker welded to the steel plate. The USGS will be notified when location is ready for final inspection.

RECEIVED

RECEIVED

JAN 31 1973

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

D. C. C.
ARTESIA, NEW MEXICO

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

SIGNED

J. T. Berry

Agent

DATE 1/29/73

(This space for Federal or State office use)

APPROVED
FEB - 1 1973

T. L. BECKMAN
ACTING DISTRICT ENGINEER

TITLE

DATE

*See Instructions on Reverse Side

Form 5-331
May 1963

N. M. O. C. G. COPY
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PERMIT IN TRIPLICATE
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 43 R1424
5. LEASE DESIGNATION AND SERIAL NO.
NM-0558959

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different formation.
Use "APPLICATION FOR PERMIT" for such proposals.)

1. ☐ OIL WELL ☐ GAS WELL ☐ OTHER ☒ Dry Hole

2. NAME OF OPERATOR
Black River Corporation

3. ADDRESS OF OPERATOR
620 Commercial Bank Tower, Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface
1985' FNL & 2087' FWL Section 4

14. PERMIT NO. 3797 CL

15. ELEVATIONS (Show whether top, bottom, etc.)
Eddy New Mexico

16. FIELD AND POOL, OR WILDCAT
Washington Ranch Morrow
11. SURVEY, T. 4, W. 10, R. 10, S. 10, E. 10
12. COUNTY OR PARISH; 13. STATE
Sec. 4, T26S, R24E
Eddy New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTES OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>
PRACTICE TREAT	<input type="checkbox"/>	PRACTICE TREATMENT	<input type="checkbox"/>
SHUT-IN OR ACIDIZE	<input type="checkbox"/>	SHUT-IN OR ACIDIZING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	(either) 8-5/8" Casing	<input type="checkbox"/>
(Other)	<input type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recumpletion Report and Log form.)	<input type="checkbox"/>

17. DESCRIBE PREVIOUS OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent data, 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 sides pertinent to this work.)

The subject well was spudded on 10/14/72 with an 11 inch hole drilled to 574' which was approximately 96' into the Delaware Formation. 8-5/8" casing 24#/ft was run to 574' and cemented with 200 sx. cement with 40 sx. circulating to pit. After W.O.C. 18 hours the casing was tested to 1000 psi and held OK. A 7-7/8" hole was drilled below this surface pipe.

RECEIVED

FEB 2 1973

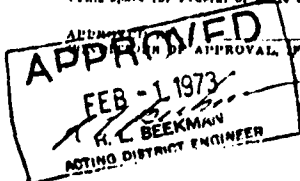
O. C. G.
ARTESIAN OFFICE

RECEIVED

JAN 31 1973

U. S. G. S. - P. O. BOX 100
ARTESIAN OFFICE

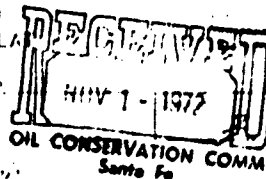
18. I hereby certify that the foregoing is true and correct
SIGNED J. T. Berry TITLE Agent DATE 1/29/73
(This space for Federal or State office use)



*See Instructions on Reverse Side

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section.



Operator <u>Black River Corporation</u>		Date <u>26 - FEB - 1978</u>	
Well Number <u>5700</u>	Section <u>4</u>	Township <u>26S</u>	Range <u>24E</u>
Actual Section Dedication Location <u>1755</u>		Section Dedication Location <u>2057</u>	
Section Dedication Location <u>1755</u>		Section Dedication Location <u>2057</u>	

1. Outline the acreage dedicated to the subject well by colored pencil or ink line marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, forced-pooling, etc?

☒ Yes ☐ No If answer is "Yes," type of consolidation Forced Pooling

If answer is "No," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be a signed to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a nonstandard unit, eliminating such interests, has been approved by the Commission.

<p>U.S. 5700 L-7717</p>		
<p>U.S. 0537457 Black River Corp.</p>		
<p>U.S. 10770 Black River Corp.</p>		
	<p>Black River Corp.</p>	

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Henry Flynn
Operator
Black River Corp.
10-28-77

RECEIVED
I hereby certify that the well location shown on this plat was plotted and verified by me or by a duly qualified person, and the same is true and correct to the best of my knowledge and belief.

Signature

For the State of New Mexico, I, the undersigned, do hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the corner boundaries of the Section

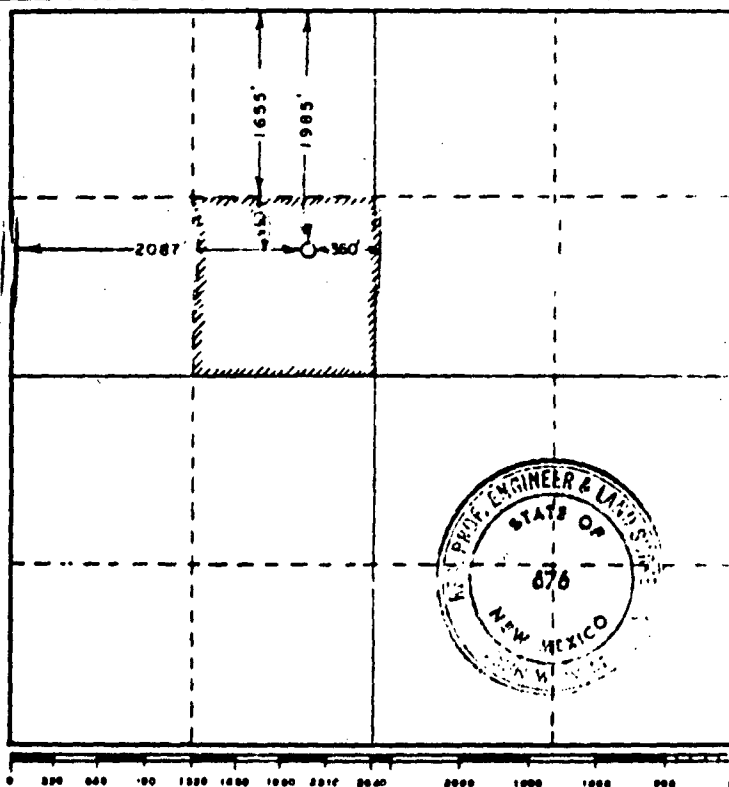
Operator BLACK RIVER CORPORATION		Lease B R FEDERAL OIL CONSERVATION COMM	
Tract Letter F	Section 4	Township 26 South	Range 24 East
Actual Location of Well 1985 feet from the North line and 2087 feet from the West line			
Ground Level Elev. 1985	Producing Formation Canyon	Fluid Wildcat	Section SE 1/4 NW 1/4 40

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated (on reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained hereon is true and complete to the best of my knowledge and belief.

John W. West
AGENT

Black River Corporation

June 26, 1972

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by, me or under my supervision and that the same is true and correct to the best of my knowledge and belief.

(Type Name)

June 24, 1972

Registered Professional Engineer and Land Surveyor

John W. West
676

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Revised 6-1-58
14-4

All distances must be from the outer boundaries of the Section

Operator BLACK RIVER CORPORATION			Lease BR-Federal 4		Well No. 2
Unit Letter F	Section 4	Township 26S	Range 24E	County Eddy OIL CONSERVATION COMM. Santa Fe	
Actual Footage Location of Well:					
1985	feet from the	North	2087	feet from the	West line
Ground Level Elev. 3760 Est.	Producing Formation Canyon		Pool Undesignated	Dedicated Acreages 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hardware marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer in "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

<div align="center"> <p>Black River Corporation</p> <p>0558959</p> <p>U.S.</p> </div>		

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name
James H. Miller

Position
Surveyor

Company
Black River Corporation

Date

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

Certificate No.

0 200 400 600 800 1000 1200 1400 1600 1800 2000 2200 2400 2600 2800 3000 3200 3400 3600 3800 4000

N. M. O. C. C. COPY

Form 3-1
10-1-1961UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYRECEIVED IN THE OFFICE OF THE
DIRECTOR, GEOLOGICAL SURVEYRECEIVED
Bureau of Land Management
10-1-1961

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or plug back in a different formation.
(Use APPLICATION FOR PERMIT for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Dry Hole		2. NAME OF OPERATOR Black River Corporation	
3. ADDRESS OF OPERATOR 820 Commercial Bank Tower, Midland, Texas		4. NAME OF LAND OWNER Ed - Federal FR	
5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) 1650' FWL & PRL of Sec 5		6. WELL NO. 1	
7. PERMIT NO. Approved 11-1-71		8. COUNTY OR PARISH Eddy	
9. STATE New Mexico		10. DATE May 16, 1972	

11. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTEREST TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>
FRACURE TEST	<input type="checkbox"/>	FRACURE TREATMENT	<input type="checkbox"/>
ABANDON	<input checked="" type="checkbox"/>	ABANDON	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	REPAIR WELL	<input type="checkbox"/>
ALTERING CASING	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
ALTERING PLUG	<input type="checkbox"/>	ALTERING PLUG	<input type="checkbox"/>

12. DESCRIBE PREVIOUS OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent data, including estimated date of starting and proposed work. If well is directionally drilled, give names of formations and measured and true vertical depths for all markers and when proposed in this well.)

The subject well has proved to be a non-commercial producer due to large quantity of water production from the present perforations from 6122 to 6125 feet. It is proposed to abandon the well in the following manner: Spot a 100 foot cement plug across the open perforations; Cut off the 5 1/2" casing at approximately 5000' (Top of cement at 5000'). Set the following cement plugs: 100' 4950-5050'; 100' plug 3550-3650'; 100' plug 1950-2050'; 100' plug 640-740' (8-5/8" casing is set at 690 feet w/ cement circulated to surface). 20' plug at surface with steel plate welded to top of 8-5/8" casing with appropriate marker welded to steel plate. Mud laden fluid will be used between cement plugs.

RECEIVED
MAY 25 1972
OIL CONSERVATION COMAL
Santa FeRECEIVED
MAY 18 1972
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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

SIGNATURE *J.T. Berry* TITLE **Agent** DATE **May 16, 1972**

APPROVED BY *H. C. Beckman* DATE **May 22, 1972**

ADDITIONAL APPROVALS, IF ANY: _____ TITLE _____ DATE _____

*See Instructions on Reverse Side

Form G-281
(May 1963)

N. M. O. C. C. COPY
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE
(Indoor instructions on reverse side)

Form approved
Budget Number No. 45-81496

1. LEASE DESIGNATION AND SERIAL NO.

NM 0502925A

6. IF INDIAN, ALLOTTEE OR TRUST LAND

7. UNIT AGREEMENT NAME

8. FORM OR LEASE NAME

9. WELL NO.

10. FIELD AND PLOT, OR WILDCAT

Wildcat

11. SEC., T. & R., OR S.E. AND
CROSS OF AREA

Sec. 5, T26S, R24E

12. COUNTY OR PARISH 13. STATE

Eddy

New Mexico

SUNDRY NOTICES AND REPORTS ON WELLS
(Do not use this form for proposals to drill or to deepen or log back to a different formation.
Use "APPLICATION FOR PERMIT TO DRILL" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER ☐

2. NAME OF OPERATOR

Black River Corporation

3. ADDRESS OF OPERATOR

620 Commercial Bank Tower, Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

See also space 17 below.
At surface 1650' FN & E Lines of Section 5

Same

14. PERMIT NO.

15. ELEVATIONS (Show whether of, to, or, etc.)

3873 RKB

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREATMENT

SHOOT OR ACIDIZE

REPAIR WELL

(Indoor)

PILL OR ALTER CASING

MULTIPLE COMPLETES

ABANDON*

CHANGE PLANS

PRODUCENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Completion attempt

REPAIRING WELL

ALTERING CADING

ABANDONMENT*

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

The original plan to drill to the Devonian was altered due to the low structural position at T.D. of 7650'. The well was drilled to a total depth of 7650' and encountered a gas show from 7585' to 7594'. 12-3/4" 33# csg. was run to 417' and cemented with 425 sx. and 8-5/8" 24# was run to 690' and cemented with 500 sx. 5-1/2" 14, 15.5 & 17# casing was run to 7650' and cemented with 475 sx. on 1/1/72. Completion attempt was made in the Morrow from 7585' to 7594' on 1/19/72 and proved to be non commercial. The current plan is to attempt a Canyon completion after plugging back with a 100' cement plug above the Morrow perforations starting approximately 2/15/72.

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

SIGNED

TITLE

Agent

DATE

1/27/72

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

APPROVED
JAN 28 1972
H. L. BECKMAN
ACTING DISTRICT ENGINEER

*See Instructions on Reverse Side

Form 9-71
(May 1963)

N. M. O. C. C. COPT
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PERMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved
Budget Bureau No. 68-11636

2. LEASE DESIGNATION AND SERIAL NO.

NM-0502925-A

4. IF (CHECK, CIRCLED OR TRIM NAME

SUNDY 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 "APPLICATION FOR PERMIT" for such proposals)

1. OIL WELL ☐ GAS WELL ☒ OTHER ☐

2. NAME OF OPERATOR

Black River Corporation

3. ADDRESS OF OPERATOR

620 Commercial Bank Tower, Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
Now also space 17 below.)

1650' FNL & 1650' FEL of Section 5, T26S, R24E

14. PERMIT NO. Approved

Nov. 1, 1971

15. ELEVATIONS (Show whether SP, ST, OR, etc.)

3873 RKB

7. UNIT SURVEYMENT NAME

8. FARM OR LEASE NAME

BR-Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC. T. R. S. OR BLK. AND

12. COUNTY OR PARISH 13. STATE

Sec. 5, T26S, R24E

Eddy New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

BOTH'S OF INTENTION TO:

TEST WATER SHUT-OFF

FRACURE TREATMENT

SHOOT OR ACIDISE

REPAIR WELL

(Other)

PILL OR ALTER FIBING

MULTIPLE COMPLETION

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACURE TREATMENT

SHOOTING OR ACIDISING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

17. PLANNING REQUIRED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is discontinuously drilled, give subsurface locations and measured and true vertical depths for all markers and probe points sent to this work.)

The hole was drilled to a total depth of 7650 feet and the Morrow Sand was too low structurally to warrant continued drilling to the Devonian as originally planned. A relatively small quantity of gas was tested in the lower most Morrow sand and a completion attempt of this formation will be commenced during the week of January 10-14, 1972. The following casing was run in the well.

Casing Size	Wt #/ft	Depth Set	Hole Size	Cementing Record	Amount Pulled
12-3/4	33	417	15	425	None
8-5/8	24	690	11	500	None
5-1/2	14-15.5-17	7650	7-7/8	475	None

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

SIGNED

TITLE

Agent

DATE

1/1/72

(This space is for use of State office use)

TITLE

DATE

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:
J. L. BEEKHUIS
ACTING DISTRICT ENGINEER

*See Instructions on Reverse Side

Form D-201 C
(May 1965)

N. M. C. C. C.

SUBMIT IN TRIPPLICATE
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 42-B1625.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

2. TYPE OF WELL
OIL ☒ GAS ☐ OTHER ☐ **RECEIVED**

3. NAME OF OPERATOR
Black River Corporation

4. ADDRESS OF OPERATOR
620 Commercial Bank Tower, Midland, Texas

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 1650' FNL & 1650' FEL of Section 5

6. At proposed prod. zone
Same

7. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
12 miles Southwest of White's City

8. DISTANCE FROM PROPOSED
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
1650

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

10. ELEVATIONS (Show whether DP, RT, GR, etc.)
3865 GR Estimated - To be corrected

11. PROPOSED Casing and Cementing Program

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
15	12-3/4	33	350	300 bx.
10-5/8	8-5/8	24	700	350 bx.

After setting the 8-5/8" casing and circulating cement to surface, W.O.C. 24 hours,
700 feet should be 200 feet in Delaware. Drill 7-7/8" hole to T.D. of 8000 feet for
Devonian test. Production casing string to be determined at time T.D. is reached.

RECEIVED

RECEIVED

OCT 26 1971

U. S. GEOLOGICAL SURVEY
ALBUQUERQUE, NEW MEXICO

12. ABOVE SPACE DESCRIBES PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface location and measured and true vertical depths. Also blowout preventive program, if any.

13. SIGNATURE OF OPERATOR
[Signature] TITLE Agent DATE 10/22/71

(This space for Federal office use)

APPROVED

APPROVED BY
H. L. BECKMAN
ACTING DISTRICT ENGINEER

APPROVAL DATE

TITLE

DATE

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION

RECEIVED

All distances must be from the outer boundaries of the Section

NOV 3 1971

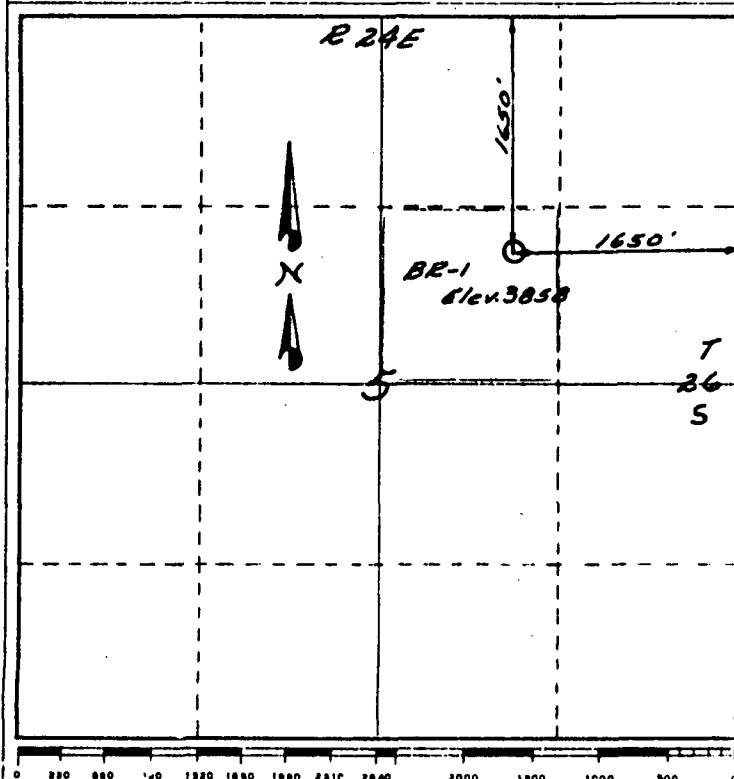
Operator Black River Corporation		Lease 2nd 1st B.F.		Well No. BR-1	
Unit Letter G	Section 5	Township 26.5	Range 24E	County Eddy	
Actual True Top Location of Well: 1650 feet from the North line and 1650 feet from the East line					
Ground Level Elev. 3858	Producing Formation Devonian	Fluid Wildcat	Estimated Acreage 40 Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes" type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

[Signature]
Operator

[Signature]
Agent

[Signature]
Black River Corp

[Signature]
Nov 1, 1971

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

October 22, 1971

[Signature]
Charles J. O'Meara
Geological Engineer

3954 N.M.

EDDY COUNTY

NEW MEXICO

WILDCAT

Well: BLACK RIVER CORP. 1 Federal "BR"

Result: DCA WF

Loc'n: Sec 5-26S-24E, 1650' FNL 1650' FEL of Sec;

Spud: 11-18-71; Comp: 5-19-72; Elev: 3865' Grd; TD: 7650'

Casing: 12-3/4" 417' 425 ex; 8-5/8" 690' / 500 ex; 5-1/2" 7650' / 475 ex

Comp Info: DST 6122-46', op 2 hrs, rec 290' mud, ISIP 2681#/90 mins, FP 63-169#,
 FSIP 2640#/2-1/2 hrs; DST 6330-6515', op 1 hr, rec 90' GCM & 1380' GCW, ISIP
 2639#/90 mins, FP 211-623#, FSIP 2640#/90 mins, DST 6543-90', op 1 hr, rec 30'
 oil & 2045' SW, ISIP 2758#/90 mins, FP 271-866#, FSIP 2695#/1-1/2 hrs; DST @
 7300', rec 90' mud, ISIP 3036#, FP 62-52#, FSIP 2813#; DST 7403-7501', op 1 hr,
 rec 280' mud & 1506' GCSW, ISIP 3186#/1 hr, FP 381-845#, FSIP 3100#/90 mins,
 DST 7555-72', op 30 mins, rec 390' mud, 815' SW, ISIP 2993#/90 mins, FP 323-
 542#, FSIP 2973#/2 hrs; DST 7588-7650', op 2 hrs, GTS/S mins, est 3,310,000
 CFCPD, rec 40' comd & 360' GCM, ISIP 3220#/1-1/2 hrs, FP 551-1347#, FSIP 2907#/
 2-1/2 hrs; Perf (Morrow) 7585-94', F/S, 600,000 CFCPD thru 20/64" ch, F/7,000,000
 CFCPD 20/64" ch, Perf (Canyon) 6125-29', 6138-48', 6153-58', A/2500 gals, F/
 250,000 CFCPD 1/2" ch; C/Rowan Drilg. Co.

Top: (EL) Lamar transition 475', Bone Spring 3682', Third Bone Spring sd 5593', Strawn
 6214', Morrow clastic 7326', Basal Morrow 7524'

API No: 30-015-20527

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Petroleum Information

CORPORATION

A Subsidiary of H. K. Brown Company

Date: 11-22-72

Card No.: 8

bc

N. M. O. C. C. COPY

Form 9-230
(Rev. 5-62)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other in-
structions on
reverse side)

Form approved
Bureau Order No. 42-00000

1. LOCAL DESIGNATION AND FIELD NO.
NM 0502925A
2. IF FOREIGN, ALLOTION OR FIELD NAME

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1. TYPE OF WELL: OIL ☐ GAS ☐ DRY ☒ Other ☐
2. TYPE OF COMPLETION: NEW ☐ WORK ☐ REPAIR ☐ REPAIR ☐ REPAIR ☐ Other ☐
3. NAME OF OPERATOR: Black River Corporation
4. ADDRESS OF OPERATOR: 620 Commercial Bank Tower, Midland, Texas 79701
5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface 1650' FNL & EL of Section 5
At top prod. interval reported below Same
At total depth Same

7. UNIT AGREEMENT NAME

8. FIRM OR LEASE NAME

9. WELL NO.

10. FIELD AND POOL, OF WELL-LOG

11. SEC. 5, T26S, R24E

12. COUNTY OR STATE

13. CITY

14. DATE RECORDED

15. DATE T.D. REACHED

16. DATE COMPLETION (Ready to prod.)

17. ELEVATION (FT., M., or other)

18. TOTAL DEPTH, MD & TVD

19. PLIN, BACK T.D., MD & TVD

20. IF MULTIPLE COMPLETIONS, HOW MANY

21. INITIALS

22. SIGNATURE

23. DATE

24. SIGNATURE

25. SIGNATURE

26. SIGNATURE

27. SIGNATURE

28. SIGNATURE

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35. SIGNATURE

36. SIGNATURE

37. SIGNATURE

38. SIGNATURE

39. SIGNATURE

40. SIGNATURE

11/19/71 12/31/71 5-17-71 Dry Hole 3858 GL - 3783 MB 3858

7650 7648

20. PRODUCTION INTERVALS, OF THIS COMPLETION—TOP, BOTTOM, NAME (TMD AND TVD)

Dry Hole

21. TIME OF PRODUCTION AND OTHER TIME

DIL. BHC-CR. 10

22. CARING RECORD (Report all strings set in well)

23. CARING RECORD

24. CARING RECORD

25. CARING RECORD

26. CARING RECORD

27. CARING RECORD

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42. CARING RECORD

43. CARING RECORD

11/19/71 12/31/71 5-17-71 Dry Hole 3858 GL - 3783 MB 3858

7650 7648

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Dry Hole

21. TIME OF PRODUCTION AND OTHER TIME

DIL. BHC-CR. 10

22. CARING RECORD (Report all strings set in well)

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41. CARING RECORD

42. CARING RECORD

43. CARING RECORD

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as furnished from all available records.

37. SIGNATURE

38. SIGNATURE

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35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as furnished from all available records.

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51. SIGNATURE

52. SIGNATURE

[illegible]

U.S. GOVERNMENT PRINTING OFFICE: 1967

Form 5-21
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PERMIT IN TRIPLICATE
(When instructions on reverse side)

Form approved
Budget Bureau No. 43 21004
1. LEASE NUMBER AND SERIAL NO.
NM-034274

SUNDY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a well. For such proposals, use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	2. NAME OF OPERATOR BEARD OIL CO.	3. ADDRESS OF OPERATOR Suite 800 Classen Center S. Bldg. Oklahoma City, Okla.	4. LOCATION OF WELL (Report location clearly and to nearest road or landmark. May also appear on map.) At surface 1920 ft. FH & WL	5. WELL NO. 1	6. FIELD AND TOWN OR WILDCAT Wildcat	7. SEC., T., R., OR NEAR, AND SURVEY OR AREA Sec. 6, T26S, R24E	8. COUNTY OR PARISH Edov	9. STATE NM
10. PERMIT NO.	11. ELEVATION (Show whether on, or, or, etc.) 3952 G.L.							

12. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SCHEMATIC REPORT OF:			
TEST WATER SHUT-OFF	WELL OR ALTER CASING	WATER SHUT-OFF	SEPARATING WELL				
FRACTURE TREAT	MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CASING				
REINFORCE ACTING	ABANDON*	REINFORCE ON ACIDIZING	ABANDONMENT*				
REPAIR WELL	CHARGE PLUG						
(Other)		(Other)					

13. DESCRIBE PREVIOUS OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent data, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface location and measured and true vertical depths for all markers and well points to this work.)

1-19-72 T.D. 678 ft. Spotted 50 sx. plug at total depth with dump bailer(678-510')

1-20-72 Pulled 238' 9-5/8" casing. Bridged back at 300' Spotted plug 300' - 150')
10 sx. plug at surface erected dry hole marker.

Plugged with verbal permission of Mr. Jim Knauf

Will report when location is ready for inspection.

RECEIVED
FEB 10 1972
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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

SIGNED <u>W.B. McE...</u>	TITLE <u>Agent</u>	DATE <u>1-30-72</u>
(This space for Federal or State office use)		
APPROVED BY <u>H. L. BELKMAN</u>	TITLE <u>ATTORNEY AT LAW</u>	DATE <u>2-1-72</u>
CONDITIONS OF APPROVAL, IF ANY:		

APPROVED
MAR 1 1972
H. L. BELKMAN
ATTORNEY AT LAW

*See Instructions on Reverse Side

Form G-204
(Rev. 8-65)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

See other in
instructions on
reverse side

Form G-204
Revised 8-65

NO. 034274

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1. TYPE OF WELL: ☐ Oil ☐ Gas ☐ Other ☒ Water

2. TYPE OF COMPLETION: ☒ New ☐ Re-completion ☐ Other

3. NAME OF OPERATOR: **BEARD OIL CO.**

4. ADDRESS OF OPERATOR: **Suite 200 Classen Center Bldg. Oklahoma City, OK**

5. LOCATION OF WELL: **1980' FN & W**

6. AT TOP PROD. INTERVAL REPORTED BY: **Same**

7. AT TOTAL DEPTH: **Same**

8. DATE OF REPORT: **12-22-71**

9. DATE OF WELL: **1-19-72**

10. TOTAL DEPTH, IN FEET: **678'**

11. PERFORATION INTERVALS OF THIS WELL: **3952' G.L.**

12. PERFORATION INTERVALS OF THIS WELL: **0-678'**

13. PERFORATION INTERVALS OF THIS WELL: **No**

14. PERFORATION INTERVALS OF THIS WELL: **No**

15. PERFORATION INTERVALS OF THIS WELL: **No**

16. PERFORATION INTERVALS OF THIS WELL: **No**

17. PERFORATION INTERVALS OF THIS WELL: **No**

18. PERFORATION INTERVALS OF THIS WELL: **No**

19. PERFORATION INTERVALS OF THIS WELL: **No**

20. PERFORATION INTERVALS OF THIS WELL: **No**

21. PERFORATION INTERVALS OF THIS WELL: **No**

22. PERFORATION INTERVALS OF THIS WELL: **No**

23. PERFORATION INTERVALS OF THIS WELL: **No**

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27. PERFORATION INTERVALS OF THIS WELL: **No**

28. PERFORATION INTERVALS OF THIS WELL: **No**

29. PERFORATION INTERVALS OF THIS WELL: **No**

30. PERFORATION INTERVALS OF THIS WELL: **No**

31. PERFORATION INTERVALS OF THIS WELL: **No**

32. PERFORATION INTERVALS OF THIS WELL: **No**

33. PERFORATION INTERVALS OF THIS WELL: **No**

4. IF LOGS, RECORDS OR TESTS ARE

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37. IF LOGS, RECORDS OR TESTS ARE

RECEIVED
FEB 10 1972

SIGNED: **[Signature]**

DATE: **2-4-72**

*(See Instructions and

ional Data on Reverse Side)

dated. This form is designed for submitting a complete and correct well completion report and for one all types of lands and leases to either a Federal agency or a State agency. It is pertinent 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 requirements 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 23, below regarding separate reports for separate completions.

15. The well prior to the time this summary report is submitted, copies of all currently available logs (geologic, geophysical, 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 filed on this form, see Item 23.

16. If there are no applicable State requirements, list them on a Federal or Indian land should be described in accordance with Federal regulations. Consult local State and/or Federal office for specific instructions.

17. For wells in which selection is used as reference (where not otherwise shown), list depth measurements given in other reports on this form and in any attachments. (Items 22 and 23.) If well is not listed for separate completion, but more than one interval was completed (completion), so state in Item 22, and in Item 24 show the beginning (start) or completion (stop), in section (S) and township (T) and/or for only the interval reported in Item 23. Submit a separate report (logs) on this form, adequately identified, for each additional interval to be separately completed, and attach the additional data pertinent to each interval.

18. For "other completions" attached supplemental reports for the well should also be the details of any multiple completions and the location of the connecting tool.

Item 23 Submit a separate completed report on this form for each interval to be separately completed. (See instructions for Items 22 and 24 above.)

SAND		Lamar Line	
Sand	190	440	440
	210	505	505
Water sand - Fresh Est. 28 000			

Form 9-51
(May 1963)

N. M. O. C. C. CORY
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE
(Give instructions on re-
verse side)

Form approved
Budget Bureau No. 43-21494

5 LEASE IDENTIFICATION AND SERIAL NO.

LM-034274

6 IF INDIAN, ALLOTTEE OR TRIBE NAME

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 "APPLICATION FOR PERMIT" for such proposals.)

OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

DEARD OIL CO.

3. ADDRESS OF OPERATOR

Suite 200 Classen Center S.Bldg. Oklahoma City, OK

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)

At surface

1980 ft. FH & WL

14. PERMIT NO.

15. ELEVATIONS (Show whether Sp. or. or. etc.)

3952 G.L.

11. SEC., T., R., or B.L. AND
SUBST. OR AREA

Sec. 6, T26S, R24E

12. COUNTY OR PARISH 13. STATE

Eddy

NM

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACURE TEST

SHOOTING OR AFTERING

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETS

ABANDON*

CHANGE PLATE

DISSEMINATE REPORT OF:

WATER SHUT-OFF

FRACURE TEST

SHOOTING OR AFTERING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

17. CASES WHERE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent data, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface location and measured and true vertical depths for all markers and record pertinent to this work.)

1-19-72 T.D. 678 ft. Sand, no shows

Propose to plug and abandon by bailer dump 50 sx. plug at T.D.
Pull 9-5/8" surface casing and bridge back at 300 ft. and spot
150 sx plug to 150 ft. Put 10 sx plug at surface and erect dry
hole marker. Clean location for inspection

RECEIVED

FEB 10 1972

U. S. GEOLOGICAL SURVEY
ALBUQUERQUE, NEW MEXICO

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

SIGNED

[Signature]

TITLE Agent

DATE 1-19-72

(This space for Federal or State action use)

APPROVED BY

10-1972

H. C. BEEKMAN

ACTING DIRECTOR

TITLE

DATE

RECEIVED

*See Instructions on Reverse Side

Form D-211
(May 1962)

N M G S

SUBMIT IN TRIPPLICATE
(Other instructions on
reverse side)

Form approved
Budget Bureau No. 42 H1123

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

2. TYPE OF WELL
OIL ☒ GAS ☐ OTHER ☐ SINGLE ☒ MULTIPLE ☐

3. NAME OF OPERATOR
BEARD OIL COMPANY

4. ADDRESS OF OPERATOR
2000 Classen Center, 200 South, Okla. City, Okla. 73106

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface 1980' East of West Line & 1980' South of North Line
of Sec. 6, T 26 S, R 24 E (C Lot 10 (SE/4 NW/4))

At proposed pt. of well Same 1980' East of West Line

6. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
7 Miles South, 10 Miles West of White City, New Mexico

7. DISTANCE FROM NEAREST TOWN OR POST OFFICE
660'

8. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
None

9. ELEVATION (Show whether DP, RT, GR, etc.)
3952' GR

10. PROPOSED CASING AND CEMENTING PROGRAM

11. SIZE OF HOLE
7"

12. SIZE OF CASING
4-1/2"

13. WEIGHT PER FOOT
9.5

14. SETTING DEPTH
650

15. QUANTITY OF CEMENT
Circulate to Surface
(See below)

16. APPROX. DATE WORK WILL START
12-26-71

17. NO. OF LINES ASSIGNED TO THIS WELL
40

18. DISTANCE IN CASE TOWNS
Cable Tools

19. COUNTY OR PARISH
Eddy

20. STATE
New Mexico

21. SIGNATURE OF OPERATOR
F. R. Hartman

22. TITLE OF OPERATOR
Vice President

23. DATE
December 8, 1971

24. PERMIT NO.

25. APPROVED BY

26. CONDITIONS

27. APPROVED BY

28. CONDITIONS

29. APPROVED BY

30. CONDITIONS

31. APPROVED BY

32. CONDITIONS

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50. CONDITIONS

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52. CONDITIONS

53. APPROVED BY

54. CONDITIONS

RECEIVED

RECEIVED

DEC 13 1971

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowdown preventive program, if any.

SIGNED: F. R. Hartman, Vice President, DATE: December 8, 1971

(This space for Federal or State office use)

PERMIT NO.

APPROVED BY

CONDITIONS

APPROVED BY

CONDITIONS

APPROVED BY

CONDITIONS

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CONDITIONS

*See Instructions On Reverse Side

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

All distances must be given in feet and rounded to the nearest foot.

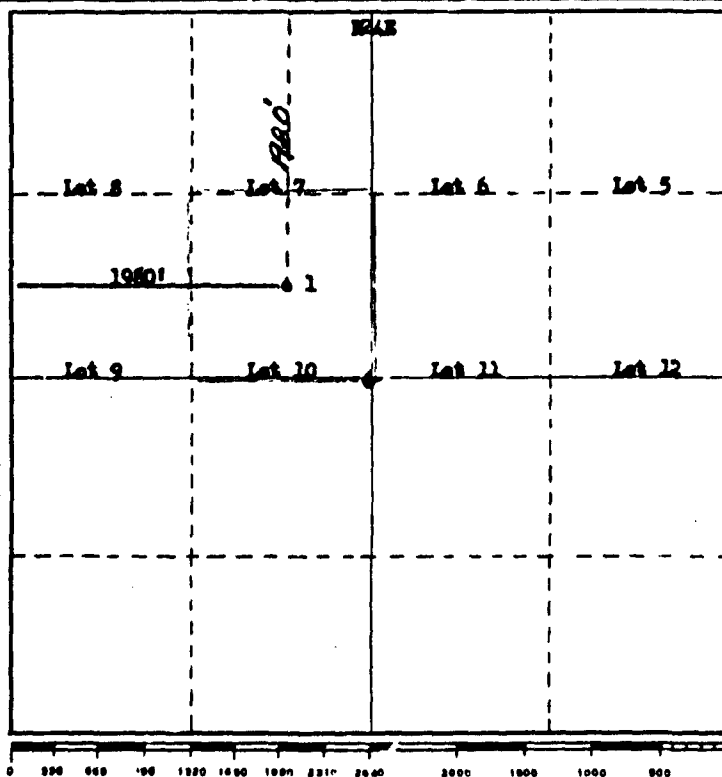
Operator BEARD OIL COMPANY		Section 10		Twp 26 South		Range 24 East		County ROCKY		Acreage 1	
Unit Letter 10		Section 6		Twp 26 South		Range 24 East		County ROCKY		Acreage 1	
Actual True Up Location of Well											
1980		feet from the		North		line and		1980		feet from the	
Ground Level Elev.		Producing Formation		Pool		Well Head Ascent		Well Head Ascent		Area	
2952		Delaware		Wildcat						40	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
Only one lease - uniform ownership
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer in "yes" type of consolidation _____

If answer in "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

[Signature]

Name **P. H. Hartman**

Position **Vice President**

Company **BEARD OIL COMPANY**

Date **December 8, 1972**

State _____

I hereby certify that the information shown on this plat is true and complete to the best of my knowledge and belief.

Date Surveyed

November 26th, 1972

Registered Professional Engineer and/or Land Surveyor

[Signature]
Attitude No. **312**

T
26
S

IDDY COUNTY

NEW MEXICO

WILDCAT

Well: BEARD OIL CO. 1 Federal (6-6)

Loc'n: SW part county, 12 mi SW/White City in SW/part county; 1980' FNGWL's sec 6-26S-24E;
2 mi S/7050' failure; 3 mi SW/Morrow gas prodn; No nearby Dela prodn.

Reed: DCA WF

Spud: 12-22-71; Comp: 1-19-72; Elev: 3952' ord; TD: 678'

Casing: 9 5/8" 238'

Comp Info: No cores or DST's.

Top: NR

API No.: 30-015-20553

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Petroleum Information
CORPORATION

1 Building, 1111 North 1st Avenue
Denver, Colorado 80202

Date

2-2-72

Card No. 1 mm

N. M. O. C. COPY

Form 9-227a
(Feb. 1951)
APPROVED

NOV 6 1953
RONALD E. BOOK
ACTING DISTRICT ENGINEER

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau, No. 10 B2M
Approval expires 12 31 53

Lead Office **Santa Fe**
Case No. **SM 0422**
Unit **7n**

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Well No. **1** is located **330** ft. from **the** line and **330** ft. from **the** line of sec. **13**
SV 87 12 **24S** **24E** **7N**
 (U. Sec. and Sec. No.) (Twp.) (Range) (Section)
Wildcat **Waddy** **Wm. Mexico**
 (Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is **3871** ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show class, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important operations.)

Well plugged and abandoned 3/3/63 as follows: 30 sacks cement from 930-800 feet; 30 sacks cement 830-700 feet; 30 sacks 130-90 but 10 sacks 0-15 feet. Cement spotted with tubing. Balance hole filled with mud. Steel marker erected, no pipe left in hole except 37 feet 10 3/4 at surface.

RECEIVED

NOV 6 1953

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **Universal Production Service, Inc.**

Address **Box 953, Midland, Texas**

By

Agent

Title

GPO 501240

FILED
JAN 11 1964
FBI - NEW YORK

67000 6-530

LOCATE WELL CORRECTLY

RECEIVED

MAY 9 1963

UNITED STATES

U. S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

U. S. Land Office **Sealed For**

Serial Number BM 04222

LEADS OR PERMIT TO PROSPECT _____

LOG OF OIL OR GAS WELL

Company .. Universal Production Service, Inc. Address Box 953, Midland, Texas

Lessee or Tract Superior-Federal Field Wildcat State New Mexico

Well No. 1 Sec. 12 T. 26S R. 24E Meridian NEPA County Eddy

Location 330... ft. ^[N.] of ... Line and 330 ft. ^[E.] of ... N. Line of ... Section 12 ... Elevation ...

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed

Date May 26, 1963

Title.....

The summary on this page is for the condition of the well at above date.

Commenced drilling 2/27....., 19..28 Finished drilling 5/2....., 1928

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 3, from to No. 4, from to

No. 2, from to No. 5, from to

No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

IMPORTANT WATER SANDS

No. 1, from 92 to 93 No. 3 from _____ to _____

No. 2, from 160 to 161 No. 4, from to

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

See listing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
12	12	12	12	12	12

No. 8, from to No. 8, from to

IMPORTANT WATER SANDS

No. 1, from 92 to 95 No. 3, from to

No. 2, from 160 to 165 No. 4, from to

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Site date	Where set	Number seeds of suspect	Method used	Wind gravity	Amount of seed used
10 3/A	27	10	Dumped		

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set

Adapters - Material _____ Size _____

SHOOTING RECORD

[illegible]

TOOLS USED

Rotary tools were used from feet to feet, and from feet to feet

Cable tools were used from 0 feet to 1012 feet, and from feet to feet.

DATES

Put to producing 19.....

The production for the first 24 hours was _____ barrels of fluid of which _____ % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in.

EMPLOYEES

-----~~Jack Bailey~~-----, Driller -----, Driller

....., Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	92	92	surface rock caliche
92	95	3	Sand (good water)
95	760	665	Anky
760	765	5	Sand (lots sulfur water)
765	841	76	Anky
841	845	24	Shaley Sand
845	1012	167	Sand & lime
			Top Anky 95
			Top Lumar 805
			Top Bell
			Canyon 840

N. M. O. L. C. COPY

Budget Bureau No. 42-9358-4
Plan Approved

Form 9-581a
(Feb. 1961)

(SUBMIT IN TRIPLICATE)

Land Office S. 1000 76

Lease No. 281 04222

Unit

APPROVED
MAY 6 1963
A. H. SUMNER
DISTRICT ENGINEER

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED

MAY 7 1963

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

May 1, 1963

Well No. 1 Superior-Federal is located 330 ft. from [S] line and 330 ft. from [W] line of S. 12

St. 12 (S. 12 and Sec. No.) 263 (Twp.) 342 (Range) 281 (Meridian)
District Eddy (County or Subdivision) New Mexico (State or Territory)

The elevation of the derrick floor above sea level is ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show plan, weights, and lengths of proposed casings; indicate mudlogging points, and all other important proposed work)

Well drilled to a total depth of 1012 feet with cable tools. No promise to plug as follows: Cement plug 700-800'; cement plug 50-150 feet; and cement plug 0-10'; balance of hole will be filled with mud. Steel casing will be erected and pits leveled. Verbal permission to plug given to Everett L. Smith on 4/30/63 by Mr. Brown with United States Geological Survey in Artesia, New Mexico.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Universal Production Service, Inc.

Address Box 923

Midland

By [Signature]

Title Agent

SPS 914574



UNITED STATES
DEPARTMENT OF THE INTERIOR

RECEIVED

GEOLOGICAL SURVEY
P. O. BOX 953
MIDLAND, TEXAS

MAR 1 1963

D. C. C.
February 26, 1963

Universal Production Service, Inc.
P. O. Box 953
Midland, Texas

Re: New Mexico Ch222
Expiring February 26, 1963

Gentlemen:

Your Notice of Intention to Drill well No. 1 Superior (copy attached) in the SW 1/4, sec. 12, T. 26 S., R. 24 E., N.M.P.M., Eddy County, New Mexico to a depth of 1,100 feet to test the Delaware formation is hereby approved subject to compliance with the provisions of the Oil and Gas Operating Regulations and subject to the following conditions:

1. Drilling operations as authorized are subject to the attached sheet for general conditions of approval.
2. A daily progress report is to be furnished in duplicate from spaced date until completion of the well.
3. Drilling rig must not be moved from well without prior approval from the Survey (30 CFR 221.35c).

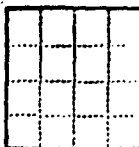
Very truly yours,

James R. Knapp
District Engineer

P.S.: If the lease is to be considered for extension by diligent drilling operations, the lease rental must be timely paid.

U. S. G. E. C. 1007

Form 9-551 a
(Feb. 1951)



(SUBMIT IN TRIPLICATE)
**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

Study of Bureau No. 42-P-155-A
Form Approved

Lead Office Santa Fe
Leads No. 17K 04272
Unit

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

February 26, 1953

Well No. 1 Superior Federal is located 330 ft. from [N] line and 330 ft. from [E] line of sec. 12

S1/4 12 26S 24E N40W
(1/4 Sec. and 1/4 Sec. No.) (Twp.) (Range) (Meridian)
Wildcat Eddy New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is . . . ft.

DETAILS OF WORK

(State names of and expected depths to objectionable sands; show sizes, weights, and lengths of proposed casings; indicate mudlogging jobs, cementing points, and all other important proposed work)

We propose to drill to a total depth of approximately 1100 feet with Cable Tools and complete in the Delaware formation. The casing program will be as follows: 10 3/4 inch 32#, 11-40 surface casing to be set at 30 feet and cemented with 10 sacks. 4 1/2", 9.5 casing set at 1100 feet and cemented with 225 sacks cement. Cement will be circulated to surface on oil string.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Universal Production Service, Inc.
Address Box 950
Midland, Texas
By [Signature]
Title Agent



EDDY COUNTY NEW MEXICO WILDCAT
Well: UNIVERSAL PROD. SERVICE, INC. #1 Superior-Federal Result: "OW/NO" DGA
Loc'n: S/part county, 8 mi SW/White City; Sec 12-26S-24E, 330' FSG WLS Sec; 3/4 mi SW of
Atoka gas prodn.

Spud: 2-28-63; Comp: 5-3-63; Elev: 3871' DF; TD: 1012

Casing: 10-3/4" 37

Comp. Info: No cores or tests. C/Jack Halley Drilg. Co.

Logs: (EL) Dela II. 805, Dela. sd. 860'.

The Hammett
OIL REPORTS

Date: 5-29-63

Card No.: 11 NEW MEXICO jb

PERIOD LANE

FEB 17 1955

Oil Cons. Comm. UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

FEB 15 1956

ANGLO-AMERICAN

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company John A. Yates Address Box 1267, Artesia, N.M.
 Lessor of Tract Marlock Field Wildcat State New Mexico
 Well No. 1 Sec. 8 T. 26N R. 24E Meridian N.M.P.M. County Eddy
 Location 369 ft. 8 of N. Line and 170 ft. 7 of E. Line of 800' x 800' (attach map or sketch)
 Elevation _____
 The information given herewith is a complete and correct record of the well and all work done thereon
 as far as can be determined from all available records
 Signed Neh. Banta
 Date February 3, 1916 Title Agent

The summary on this page is for the condition of the well at above date.

Commenced drilling June 24, 1926 Finished drilling Sept. 9, 1926

OIL OR GAS SANDS OR ZONES

(Donots pua by 0)

No. 1, from to No. 4, from to
No. 2, from to No. 5, from to
No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

No. 1, from	190	to	195	No. 1, from	1895	to	1905
No. 2, from	215	to	240	No. 2, from	2055	to	2070

CASING REQUIRED: 100'

Date	Weight per box	No. made per week	Model	Amount	SUG Kind of work	Cost and profit from	Per finished		Remarks
							From	To	
11 2/8"				468		400			
10 2/8" 320				452		600			
1 3/8"				1175		1175			

MUDDING AND CEMENTING RECORD

DATE	DESCRIPTION	AMOUNT	CHECK NO.	BANK	AMOUNT OF DEPOSIT
10/1/58	WELLS FARGO	100.00	100	WELLS FARGO	100.00
10/2/58	WELLS FARGO	100.00	101	WELLS FARGO	100.00
10/3/58	WELLS FARGO	100.00	102	WELLS FARGO	100.00
10/4/58	WELLS FARGO	100.00	103	WELLS FARGO	100.00
10/5/58	WELLS FARGO	100.00	104	WELLS FARGO	100.00
10/6/58	WELLS FARGO	100.00	105	WELLS FARGO	100.00
10/7/58	WELLS FARGO	100.00	106	WELLS FARGO	100.00
10/8/58	WELLS FARGO	100.00	107	WELLS FARGO	100.00
10/9/58	WELLS FARGO	100.00	108	WELLS FARGO	100.00
10/10/58	WELLS FARGO	100.00	109	WELLS FARGO	100.00
10/11/58	WELLS FARGO	100.00	110	WELLS FARGO	100.00
10/12/58	WELLS FARGO	100.00	111	WELLS FARGO	100.00
10/13/58	WELLS FARGO	100.00	112	WELLS FARGO	100.00
10/14/58	WELLS FARGO	100.00	113	WELLS FARGO	100.00
10/15/58	WELLS FARGO	100.00	114	WELLS FARGO	100.00
10/16/58	WELLS FARGO	100.00	115	WELLS FARGO	100.00
10/17/58	WELLS FARGO	100.00	116	WELLS FARGO	100.00
10/18/58	WELLS FARGO	100.00	117	WELLS FARGO	100.00
10/19/58	WELLS FARGO	100.00	118	WELLS FARGO	100.00
10/20/58	WELLS FARGO	100.00	119	WELLS FARGO	100.00
10/21/58	WELLS FARGO	100.00	120	WELLS FARGO	100.00
10/22/58	WELLS FARGO	100.00	121	WELLS FARGO	100.00
10/23/58	WELLS FARGO	100.00	122	WELLS FARGO	100.00
10/24/58	WELLS FARGO	100.00	123	WELLS FARGO	100.00
10/25/58	WELLS FARGO	100.00	124	WELLS FARGO	100.00
10/26/58	WELLS FARGO	100.00	125	WELLS FARGO	100.00
10/27/58	WELLS FARGO	100.00	126	WELLS FARGO	100.00
10/28/58	WELLS FARGO	100.00	127	WELLS FARGO	100.00
10/29/58	WELLS FARGO	100.00	128	WELLS FARGO	100.00
10/30/58	WELLS FARGO	100.00	129	WELLS FARGO	100.00
10/31/58	WELLS FARGO	100.00	130	WELLS FARGO	100.00

PLUGS AND MONSTERS

Leaving ping - 10.5000 73 Long Sound 10.5000 Depth set 10.5000

SHOOTING RECORD

Case	Date	Signature and Title	Quantity of Goods	Value	Depth of cut
337	1902		2465		
338	1902		1000	1125	
339	1902		2465		

TOOL & DIE J 111

Library tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.
 Other tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

DATE:

Put to producing..... 10.

10 The product, i.e. the first 24 hours was % of total, of which % was oil;
 11 sediment: % water; and % sediment. 27110 Gravity, °Bé.

11 gas was $\frac{38}{100}$ cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in.

3142 V. A. Lane 2, Driller 2517 1, Harry C. Simons Driller

CONFIDENTIAL - SECURITY INFORMATION

FORMATION RECORD

EDUCATION RECORD CONTINUED

FORMATION RECORD - CONTINUED

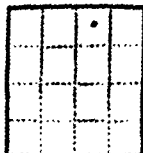
1162	1162	35	Sand
1172	1172	35	Sand
1180	1180	35	Sand
1190	1190	35	Sand
1200	1200	35	Sand
1210	1210	35	Sand
1220	1220	35	Sand
1230	1230	35	Sand
1240	1240	35	Sand
1250	1250	35	Sand
1260	1260	35	Sand
1270	1270	35	Sand
1280	1280	35	Sand
1290	1290	35	Sand
1300	1300	35	Sand
1310	1310	35	Sand
1320	1320	35	Sand
1330	1330	35	Sand
1340	1340	35	Sand
1350	1350	35	Sand
1360	1360	35	Sand
1370	1370	35	Sand
1380	1380	35	Sand
1390	1390	35	Sand
1400	1400	35	Sand
1410	1410	35	Sand
1420	1420	35	Sand
1430	1430	35	Sand
1440	1440	35	Sand
1450	1450	35	Sand
1460	1460	35	Sand
1470	1470	35	Sand
1480	1480	35	Sand
1490	1490	35	Sand
1500	1500	35	Sand
1510	1510	35	Sand
1520	1520	35	Sand
1530	1530	35	Sand
1540	1540	35	Sand
1550	1550	35	Sand
1560	1560	35	Sand
1570	1570	35	Sand
1580	1580	35	Sand
1590	1590	35	Sand
1600	1600	35	Sand
1610	1610	35	Sand
1620	1620	35	Sand
1630	1630	35	Sand
1640	1640	35	Sand
1650	1650	35	Sand
1660	1660	35	Sand
1670	1670	35	Sand
1680	1680	35	Sand
1690	1690	35	Sand
1700	1700	35	Sand
1710	1710	35	Sand
1720	1720	35	Sand
1730	1730	35	Sand
1740	1740	35	Sand
1750	1750	35	Sand
1760	1760	35	Sand
1770	1770	35	Sand
1780	1780	35	Sand
1790	1790	35	Sand
1800	1800	35	Sand
1810	1810	35	Sand
1820	1820	35	Sand
1830	1830	35	Sand
1840	1840	35	Sand
1850	1850	35	Sand
1860	1860	35	Sand
1870	1870	35	Sand
1880	1880	35	Sand
1890	1890	35	Sand
1900	1900	35	Sand
1910	1910	35	Sand
1920	1920	35	Sand
1930	1930	35	Sand
1940	1940	35	Sand
1950	1950	35	Sand
1960	1960	35	Sand
1970	1970	35	Sand
1980	1980	35	Sand
1990	1990	35	Sand
2000	2000	35	Sand
2010	2010	35	Sand
2020	2020	35	Sand
2030	2030	35	Sand
2040	2040	35	Sand
2050	2050	35	Sand
2060	2060	35	Sand
2070	2070	35	Sand
2080	2080	35	Sand
2090	2090	35	Sand
2100	2100	35	Sand
2110	2110	35	Sand
2120	2120	35	Sand
2130	2130	35	Sand
2140	2140	35	Sand
2150	2150	35	Sand
2160	2160	35	Sand
2170	2170	35	Sand
2180	2180	35	Sand
2190	2190	35	Sand
2200	2200	35	Sand
2210	2210	35	Sand
2220	2220	35	Sand
2230	2230	35	Sand
2240	2240	35	Sand
2250	2250	35	Sand
2260	2260	35	Sand
2270	2270	35	Sand
2280	2280	35	Sand
2290	2290	35	Sand
2300	2300	35	Sand
2310	2310	35	Sand
2320	2320	35	Sand
2330	2330	35	Sand
2340	2340	35	Sand
2350	2350	35	Sand
2360	2360	35	Sand
2370	2370	35	Sand
2380	2380	35	Sand
2390	2390	35	Sand
2400	2400	35	Sand
2410	2410	35	Sand
2420	2420	35	Sand
2430	2430	35	Sand
2440	2440	35	Sand
2450	2450	35	Sand
2460	2460	35	Sand
2470	2470	35	Sand
2480	2480	35	Sand
2490	2490	35	Sand
2500	2500	35	Sand
2510	2510	35	Sand
2520	2520	35	Sand
2530	2530	35	Sand
2540	2540	35	Sand
2550	2550	35	Sand
2560	2560	35	Sand
2570	2570	35	Sand
2580	2580	35	Sand
2590	2590	35	Sand
2600	2600	35	Sand
2610	2610	35	Sand
2620	2620	35	Sand
2630	2630	35	Sand
2640	2640	35	Sand
2650	2650	35	Sand
2660	2660	35	Sand
2670	2670	35	Sand
2680	2680	35	Sand
2690	2690	35	Sand
2700	2700	35	Sand
2710	2710	35	Sand
2720	2720	35	Sand
2730	2730	35	Sand
2740	2740	35	Sand
2750	2750	35	Sand
2760	2760	35	Sand
2770	2770	35	Sand
2780	2780	35	Sand
2790	2790	35	Sand
2800	2800	35	Sand
2810	2810	35	Sand
2820	2820	35	Sand
2830	2830	35	Sand
2840	2840	35	Sand
2850	2850	35	Sand
2860	2860	35	Sand
2870	2870	35	Sand
2880	2880	35	Sand
2890	2890	35	Sand
2900	2900	35	Sand
2910	2910	35	Sand
2920	2920	35	Sand
2930	2930	35	Sand
2940	2940	35	Sand
2950	2950	35	Sand
2960	2960	35	Sand
2970	2970	35	Sand
2980	2980	35	Sand
2990	2990	35	Sand
3000	3000	35	Sand
3010	3010	35	Sand
3020	3020	35	Sand
3030	3030	35	Sand
3040	3040	35	Sand
3050	3050	35	Sand
3060	3060	35	Sand
3070	3070	35	Sand
3080	3080	35	Sand
3090	3090	35	Sand
3100	3100	35	Sand
3110	3110	35	Sand
3120	3120	35	Sand
3130	3130	35	Sand
3140	3140	35	Sand
3150	3150	35	Sand
3160	3160	35	Sand
3170	3170	35	Sand
3180	3180	35	Sand
3190	3190	35	Sand
3200	3200	35	Sand
3210	3210	35	Sand
3220	3220	35	Sand
3230	3230	35	Sand
3240	3240	35	Sand
3250	3250	35	Sand
3260	3260	35	Sand
3270	3270	35	Sand
3280	3280	35	Sand
3290	3290	35	Sand
3300	3300	35	Sand
3310	3310	35	Sand
3320	3320	35	Sand
3330	3330	35	Sand
3340	3340	35	Sand
3350	3350	35	Sand
3360	3360	35	Sand
3370	3370	35	Sand
3380	3380	35	Sand
3390	3390	35	Sand
3400	3400	35	Sand
3410	3410	35	Sand
3420	3420	35	Sand
3430	3430	35	Sand
3440	3440	35	Sand
3450	3450	35	Sand
3460	3460	35	Sand
3470	3470	35	Sand
3480	3480	35	Sand
3490	3490	35	Sand
3500	3500	35	Sand
3510	3510	35	Sand
3520	3520	35	Sand
3530	3530	35	Sand
3540	3540	35	Sand
3550	3550	35	Sand
3560	3560	35	Sand
3570	3570	35	Sand
3580	3580	35	Sand
3590	3590	35	Sand
3600	3600	35	Sand
3610	3610	35	Sand
3620	3620	35	Sand
3630	3630	35	Sand
3640	3640	35	Sand
3650	3650	35	Sand
3660	3660	35	Sand
3670	3670	35	Sand
3680	3680	35	Sand
3690	3690	35	Sand
3700	3700	35	Sand
3710	3710	35	Sand
3720	3720	35	Sand
3730	3730	35	Sand
3740	3740	35	Sand
3750	3750	35	Sand
3760	3760	35	Sand
3770	3770	35	Sand
3780	3780	35	Sand
3790	3790	35	Sand
3800	3800	35	Sand
3810	3810	35	Sand
3820	3820	35	Sand
3830	3830	35	Sand
3840	3840	35	Sand
3850	3850	35	Sand
3860	3860	35	Sand
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3880	3880	35	Sand
3890	3890	35	Sand
3900	3900	35	Sand
3910	3910	35	Sand
3920	3920	35	Sand
3930	3930	35	Sand
3940	3940	35	Sand
3950	3950	35	Sand
3960	3960	35	Sand
3970	3970	35	Sand
3980	3980	35	Sand
3990	3990	35	Sand
4000	4000	35	Sand

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of reworking, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "cut out" or left in the well, give its size and location. If the well has been dynamited, give date, shot, position, and number of shots. If plugger bridges were put in to test the upper, state kind of material used, position, and results of pumping or testing.

3313	3381	25	Sand
3381	3381	25	Sand
3381	3406	202	Sand
3406	3413	7	Sand
3413	3501	88	Sand

Form 9-5234
(Feb. 1951)



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Project 45-5234
Approval expires 12-31-52

Land Office **Las Cruces**

Case No. **667133**

Date **8**

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

June 17, 1955

19

Matlock

Well No. **61** is located **349** ft. from **(N)** line and **1700** ft. from **(E)** line of sec. **8**

NE 1/4

249

249

E. H. P. M.

Undesignated

249

New Mexico

The elevation of the derrick floor above sea level is ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casing; indicate mudlogging jobs, cementing points, and all other important proposed work)

We propose to drill to 3500 feet to test top of the Bone Springs or lower Delmarra sand. We propose to run 350 feet of 13 1/8" 400 casing and mud; then run 800 feet of 15" 120 casing and cement with 50 sacks cement. From then on, run necessary pipe.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **Yates and Yates, Inc.**

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

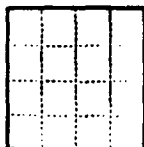
Company **Yates and Yates, Inc.**

Address **Box 1264, Artesia, New Mexico**

By **Flora Lake**

Title **Agent**

Form 9-327a
(Feb. 1931)



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Revised Bureau 12-22-31
Approval expires 12-31-32

Lead Office **Las Cruces**
Lease No. **667155**
Unit **B**

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Artesia, New Mexico.
February 8, 1936

Well No. **1** is located **569** ft. from **(N)** line and **1708** ft. from **(E)** line of sec. **8**

Sec. 8 **26. S.** **26. E.** **N.M.P.M.**

Wildcat **(Twp.)** **(Subdivision)** **New Mexico.**

The elevation of the derrick floor above sea level is ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Pulled 1375' of 8 5/8" casing. Filled hole with mud and ran 15 sacks of cement at Total Depth. 15 Sacks of Cement at 2600 feet and 20 sacks of cement at 800 feet. Knocked off 10 3/4" casing at 600 feet. Shot 13" casing at 400 feet, bridged hole and ran 10 sacks of cement at 4000 feet. Filled hole with heavy mud and set regulation marker in 10 sacks of cement. Finished plugging and abandoning on January 27, 1936. Cleaned up location.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **John A. Yates**

Address **Box 1267,**

Artesia, New Mexico.

By **Walter Barber**

Title **Geological Survey Agent.**

REDDY COUNTY NEW MEXICO WILDCAT
Well: JOHN A. YATES #1 McEllock
Lease: 8-263-24E, 569' FTL 1708' FTL of Sec, SW/part county,
3/8 mi W of 595' Dela sd dry hole.
Spuds: 6-24-55 Comp: 1-10-56 Elev: 3332' DF TD: 3500' sand
Casing: 13 3/8" 467'/set, 10 3/4" 752'/25 ex, 3 5/8" 1375'/set
Prod Zone: None
IP: None
Comp Injct: 11 cases 3270-3340', rec not reported
Tests: (Samples) Dela 11 467', Dela sd 516'

2 H L
OIL REPORTS

Date: 1-25-56

Card No: 12 N: pf

EDDY COUNTY

NEW MEXICO

WILDCAT

Well: D. S. HARROUN & Leeman

Revs: TEMP AND

Loc'n:

10-26S-24E; 1980' FNL 660' FHL of Sec; S/central part
of county; 8 mi SW White City; 17 mi SW Glenn Fld.

Spud: 12-18-56; Comp: 10-1-57; Elev: (Not available); TD:
640' sd

Casing: 8" 460'

Prod Zone: None

IP: None

Comp Info: Not available

Temp: Not available

The Standard
OIL REPORT

Date: 10-10-57

Card No. 5 NM 08

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

Form O-101
Revised (12/2/55)

NOTICE OF INTENTION TO DRILL

Notice must be given to the District Office of the Oil Conservation Commission and approval obtained before drilling or recompletion begins. If changes in the proposed plan are considered advisable, a copy of this notice showing such changes will be returned to the sender. Submit this notice in QUINTUPLICATE. One copy will be returned following approval. See additional instructions in Rules and Regulations of the Commission. If State Land submit 6 Copies Attach Form O-128 in triplicate to first 3 copies of Form O-101

Carlsbad, New Mexico

December 14, 1956

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Gentlemen:

You are hereby notified that it is our intention to commence the Drilling of a well to be known as

D. S. Harroun

(Company or Operator)

Leeman, Well No. 1, in R. The well is located 1960 feet from the North line and 640 feet from the East line of Section 10, T. 26S, R. 24E, NMPM. (GIVE LOCATION FROM SECTION LINE) Wildcat Pool, Eddy County

D	C	B	A
E	F	G	H
I	J	K	L
M	N	O	P

If State Land the Oil and Gas Lease is No.

If patented land the owner is Leeman Bros.

Address: Alfred Leeman, Frijoles Route, Carlsbad, New Mexico

We propose to drill well with drilling equipment as follows: Cable Tools

The status of plugging bond is Blanket Bond

Drilling Contractor Fred A. Bond

We intend to complete this well in the Delaware formation at an approximate depth of 600 feet.

CASING PROGRAM

We propose to use the following strings of Casing and to cement them as indicated:

Size of Hole	Size of Casing	Weight per Foot	New or Second Hand	Depth	Remarks
12 1/2"	10"	40#	Used	160	
10"	8 1/4"	32#	Used	400	
8"	6 5/8"	24#	Used	Approx. 550	25

If changes in the above plans become advisable we will notify you immediately.

ADDITIONAL INFORMATION (If recompletion give full details of proposed plan of work.)

Approved: 1956
Except as follows:

Sincerely yours,

D. S. Harroun

(Company or Operator)

By:

Position:

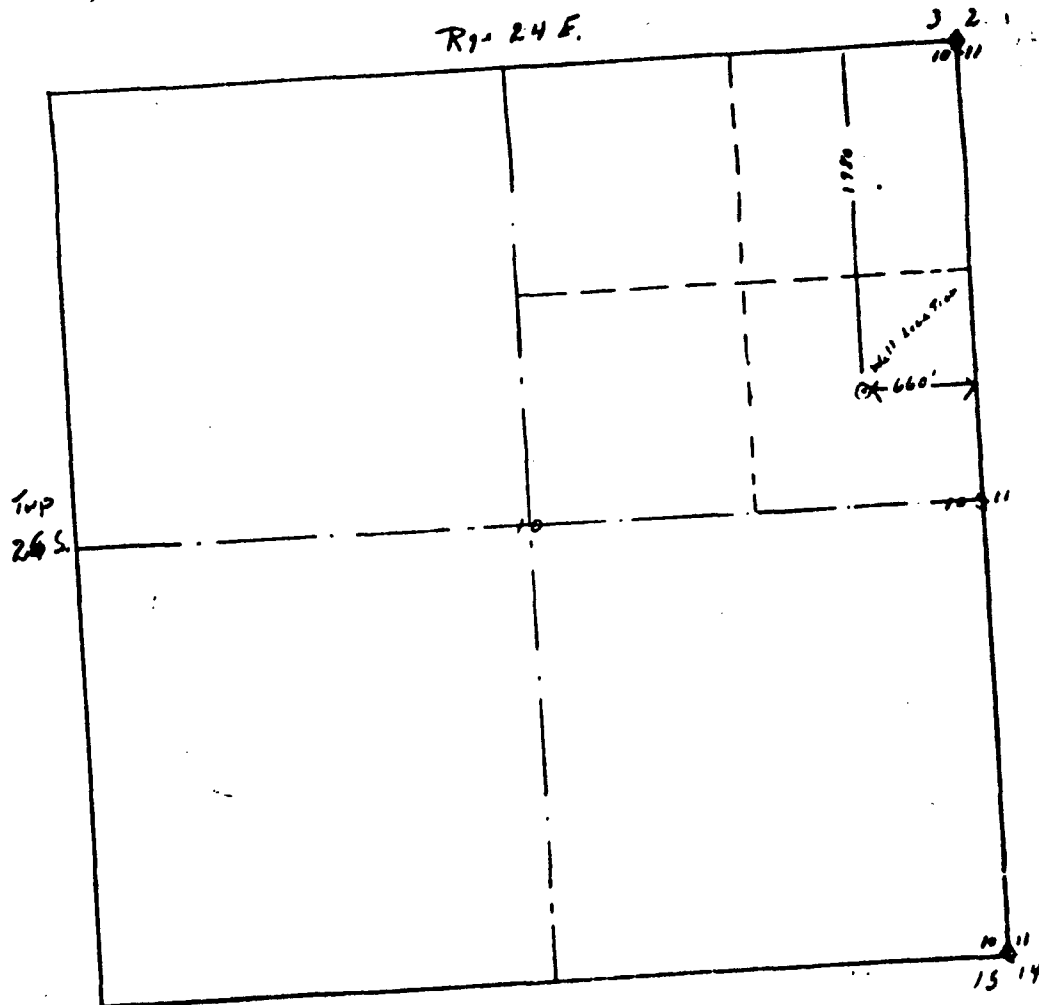
Send Communications regarding well to:

Name: D. S. Harroun

Address: 601 Riverside Drive, Carlsbad, New Mexico

OIL CONSERVATION COMMISSION

M. L. Armstrong



CERTIFICATE

This is to certify that I located the Leeman No. 1 well as shown hereon
 660 feet from the east line and 1980 feet from the north line of section
 10, twp. 26 S., range 24 E. N. M. P. M.

John Lewis, Jr.
 John Lewis, Jr.
 Licensed Surveyor of N. M.
 No. 220

NEW MEXICO OIL CONSERVATION COMMISSION

RECEIVED
FORM 2-100
(Rev. 3-55)

MISCELLANEOUS REPORTS ON WELLS

AUG 16 1956

(Submit to appropriate District Office as per Commission Rule 1106)

O. C. C.

Name of Company D. S. Harroun		Address 601 Riverside Drive, Carlsbad, New Mexico			
Lessee H. L. Loeman	Well No. 1	Unit Letter S&L No. 1	Section 10	Township 26S	Range 21E
Date Work Performed 11-10-56/8-25-56	Pool Wildcat	County Eddy			

THIS IS A REPORT OF: (check appropriate block)

☐ Beginning Drilling Operations☐ Casing Test and Cement Job☐ Other (Explain)☒ Plugging☐ Remedial Work

RECEIVED

Detailed account of work done, nature and quantity of materials used, and results obtained.

NOV 29 1956

Cased with 380' 8 1/2" casing-cut and pulled from 200'.

Above to shut off caving.

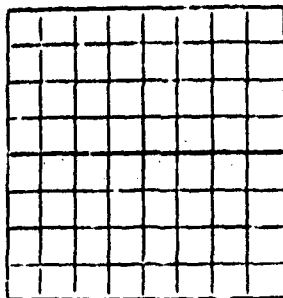
Cased with 600' 5 1/2" casing-cut and pulled from 400'.

Above to shut-off sulphur water.

Set cement plugs at 400' and 250' and filled with dirt to approximately 150'

D. S. Harroun
ARTESIA, OFFICE

Witnessed by		Position		Company		
FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY						
ORIGINAL WELL DATA						
D F Elev.	T D	P B T D	Producing Interval	Completion Date		
Tubing Diameter	Tubing Depth	Oil String Diameter	Oil String Depth			
Perforated Interval(s)						
Open Hole Interval			Producing Formation(s)			
RESULTS OF WORKOVER						
Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR (bbl test/Bbl)	Gas Well Potential MCFPD
Before Workover						
After Workover						
OIL CONSERVATION COMMISSION				I hereby certify that the information given above is true and complete to the best of my knowledge.		
Approved by <i>M. L. Harroun</i>				Name <i>D. S. Harroun</i>		
Title				Position		
Date NOV 25 1956				Company		



AREA 640 ACRES
LOCATE WELL COORDINATE

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

WELL RECORD

RECEIVED

AUG 16 1960

D. C. C.
DISTRICT OFFICE

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPPLICATE. If State Land submit 6 Copies

D. S. Harroun Leeman
(Property or Operator) (Lessee)
Well No. 1 in SE 1/4 of NE 1/4, of Sec. 10, T. 26S, R. 24E, NMPM.
Wildcat Pool, Eddy County.
Well is 660 W feet from East line and 1980 S feet from North line
of Section 10 If State Land the Oil and Gas Lease No. is
Drilling Commenced April 10, 1956 Drilling was Completed August 25, 1956
Name of Drilling Contractor Fred A. Bond
Address Happy Valley Route, Carlisbad, New Mexico
Elevation above sea level at Top of Tubing Head 3720 The information given is to be kept confidential until 19

OIL SANDS OR ZONES

No. 1, from 590 to 615 show O. & Oil No. 4, from to
No. 2, from to No. 3, from to
No. 5, from to No. 6, from to

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole. NONE
No. 1, from to feet.
No. 2, from to feet.
No. 3, from to feet.
No. 4, from to feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF JOINT	IFT AND PULLED FROM	PERFORATIONS	PURPOSE
8 1/2		Used	360'	Taper	280'		shut off casing
5 1/2		New	600	"	100'		shut off sulphur water

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. BAGS OF CEMENT	METHOD USED	STD GRAVITY	AMOUNT OF MUD USED

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qu. or Gals. used, interval treated or shot.)

Result of Production Stimulation
Depth Cleaned Out

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto

TOOLS USED

Rotary tools were used from feet to feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

PRODUCTION

Put to Producing , 19.....

OIL WELL: The production during the first 24 hours was barrels of liquid of which was oil;% was emulsion;% water, and% was sediment. A.P.I. Gravity.....

GAS WELL: The production during the first 24 hours was M.C.F. plus barrels of liquid Hydrocarbon Shut in Pressure..... lbs

Length of Time Shut in.....

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico

Northwestern New Mexico

T. Anhy.....	T. Devonian.....	T. Ojo Alamo.....
T. Salt.....	T. Silurian.....	T. Kirland-Fruitland.....
B. Salt.....	T. Montoya.....	T. Farmington.....
T. Yates.....	T. Simpson.....	T. Pictured Cliffs.....
T. 7 Rivers.....	T. McKee.....	T. Mesquite.....
T. Quern.....	T. Eilenburger.....	T. Point Lookout.....
T. Grayburg.....	T. Gr. Wash.....	T. Mancos.....
T. San Andres.....	T. Granite.....	T. Dakota.....
T. Glorieta.....	T.....	T. Morrison.....
T. Drinkard.....	T.....	T. Penn.....
T. Tulaha.....	T.....	T.....
T. Alco.....	T.....	T.....
T. Penn.....	T.....	T.....
T. Miss.....	T.....	T.....

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	5		Surface Fill				
5	230		Volcanic Ash.				
230	334		Broken Ls.				
334	425		Anhydrite				
425	510		Broken Ls.				
510	540		Dark Sh.				
540	590		Brown Ls. (show sulphur water)				
590	615		Sandy Sh. Show O. & G.				
615	672		Ss. & Sh.				

OIL CONSERVATION COMMISSION	
ARTESIA DISTRICT OFFICE	
No. Copies Received	2
DISTRIBUTION	
NO	
OPERATOR	
SANTA FE	
PROBATION OFFICE	
STATE LAND OFFICE	
U. S. G. S.	2
TRANSPORTER	
FILE	
BUREAU OF MINES	

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

A. S. Hamilton

Company or Operator..... Address.....
Name..... Post..... Title.....

NEW MEXICO OIL CONSERVATION COMMISSION
MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106)

COMPANY D.S. Harroun, 601 Riverside Dr., Carlsbad, N.M.
(Address)

LEASE Leeman Bros. WELL NO. 1 UNIT 1 S 10 T 26S R 14E
DATE WORK PERFORMED _____ POOL _____

This is a Report of: (Check appropriate block) ☐ Results of Test of Casing Shut-off
☐ Beginning Drilling Operations ☐ Remedial Work
☐ Plugging ☒ Other Pipe-cement

Detailed account of work done, nature and quantity of materials used and results obtained.

490' - Set 8 1/4" (10*) pipe cemented 50 sacks. Did not hold.
558' - v 5 1/2" (14*) new pipe. cemented 25 sacks Held.

This well waiting to be fracked.

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:

DF Elev. _____ TD _____ PBD _____ Prod. Int. _____ Compl Date _____
Tbng. Dia _____ Tbng Depth _____ Oil String Dia _____ Oil String Depth _____
Perf Interval (s) _____
Open Hole Interval _____ Producing Formation (s) _____

RESULTS OF WORKOVER:	BEFORE	AFTER
Date of Test	_____	_____
Oil Production, bbls. per day	_____	_____
Gas Production, Mcf per day	_____	_____
Water Production, bbls. per day	_____	_____
Gas Oil Ratio, cu. ft. per bbl.	_____	_____
Gas Well Potential, Mcf per day	_____	_____
Witnessed by _____		
	(Company)	

OIL CONSERVATION COMMISSION

Name M.L. Armstrong
Title OIL AND GAS INSPECTOR
Date MAY 10 1957

I hereby certify that the information given above is true and complete to the best of my knowledge.

Name D.S. Harroun
Position _____
Company _____

OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

APR 24 1950

Oil Cons. Comm.

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut-off, results of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below:

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL	X		

Place

Date

OIL CONSERVATION COMMISSION,
SANTA FE, NEW MEXICO.

Gentlemen:

Following is a report on the work done and the results obtained under the heading noted above at the _____
 H. N. Smith A. H. Lesman Well No. 1 in the _____
 Company or Operator Lease
 S.W. 1/4 of Sec. 10 T. 26. S. R. 24. E. N. M. P. M.
 Wildcat Field, Eddy County.

The dates of this work were as follows: April 7, 1950

Notice of intention to do the work was (was not) submitted on Form C-108 on _____ 19____

and approval of the proposed plan was (was not) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Placed mud (Heavy) from 675' to 500'
 Cement (10 sacks) plug from 540 to 500' - dumped with bailer
 10" & 8" casing left in hole and completed a water well.

Witnessed by _____ Name _____ Company _____ Title _____
 Subscribed and sworn before me this 24 _____ I hereby swear or affirm that the information given above
 day of April 1950 Name H. N. Smith is true and correct.
 Position Owner
 Notary Public _____ Representing _____
 Company or Operator _____
 My commission expires 11/2/57 Address Santa Fe, N.M.

Remarks:

JUN 1 1950

OIL AND GAS INSPECTOR

Name

Owner

7	20	10	508	"					
58	26	10	560	"					

MUDDING AND CEMENTING RECORD

RISK OF HOLE	RISK OF CANNING	WHEELS AMT	NO. BAGS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
121	10	155		Mud		Formation Test
10	8	453	25	Halibarton Bottom Hole Packer		
8	7	508				
6	58	560	10	Dump		

PLUGS AND ADAPTERS

Heaving plug—Material Mud Length 600 - 575 Depth Set _____
 Adapters—Material 10 Sacks Cement Size 540 - 600

RECORD OF SHOOTING OR CHEMICAL TREATMENT

WIRE	SHRI. WYD	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT

Results of shooting or chemical treatment _____

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

Cable tools were used from 0 feet to 575 feet, and from _____ feet to _____ feet

PRODUCTION

Put to producing _____ 19 _____

The production of the first 24 hours was _____ barrels of fluid of which _____ % was oil, _____ %

emulsion; _____ % water; and _____ % sediment. Gravity, No _____

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Martin Moore Driller _____ Driller

Adrian Fletcher Driller _____ Driller

FORMATION RECORD ON OTHER SIDE

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this 24

day of April 19 50

[Signature]
Notary Public

My Commission expires 11/12/52

Carlsbad N.M. Apr. 24 1950

Name H. H. Smith

Position Owner

Representing _____

Company or Operator

Address Carlsbad N.M.

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	40	40	Shale
40	50	10	Jongl. small amt of water
50	140	90	Shale
140	155	25	Oyp and so-gl. water
155	190	35	Oyp
190	210	20	Shale
210	320	110	Oyp and Lime (H.P.V.)
320	350	60	Lime and Arty (Landed)
350	380	15	Sandy Shale
380	415	25	Gray Lime
415	430	15	Brown Lime, sandy
430	450	60	Brown Lime
450	475	5	Lime Black (Delaware)
475	520	25	Black Shaley Lime
520	550	10	Brown Lime
550	554	4	Brown Lime Sul. water
554	560	6	Brown Lime
560	565	5	Sand Shaley (Delaware Sand).
565	570	5	" " (Show Gas)
570	575	15	" " (Hard)
575	577	5	" " (Show Oil)
577	578	5	Lime
578	612	29	Sandy Shaley
612	614	2	" " (Show of free Oil)
614	668	54	" " (Sul water, 1 bbl. Per Hr) T.D.
668	675	7	

Form C-101

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

NOTICE OF INTENTION TO DRILL

Notice must be given to the Oil Conservation Commission or its proper agent and approval obtained before drilling begins. If changes in the proposed plan are considered advisable, a copy of this notice showing such changes will be returned to the sender. Submit this notice in triplicate. One copy will be returned following approval. See instructions in Rules and Regulations of the Commission.

Artesia, New Mexico

February 6, 1950

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico,

Gentlemen:

You are hereby notified that it is our intention to commence the drilling of a well to be known as

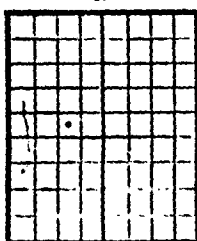
H. N. Smith

Lesman

Well No. 1

to NE1/4SW/4

Company or Operator
of Sec. 10 T. 26 R. 24 N. M. P. M. Wildcat Field, Eddy County.

AREA 600 ACRES
LOCATE WELL CORRECTLY

The well is 2310 feet (N.) (NE) of the S. line and 1650 feet (E.) (SE) of the W. line of Section 10.

(Give location from section or other legal subdivision lines. Cross out wrong directions.)

If state land the oil and gas lease is No. Assignment No.

If patented land the owner is A. F. Legman

Address Carlsbad, New Mexico

If government land the permittee is

Address

The lease is

Address

We propose to drill well with drilling equipment as follows:

Cable Tools

The status of a bond for this well in conformance with Rule 29 of the General Rules and Regulations of the Commission is as follows: Applied for Bond.

We propose to use the following strings of casing and to land or cement them as indicated:

Size of Hole	Size of Casing	Weight Per Foot	New or Second Hand	Depth	Landed or Cemented	String Cemented
12 1/2"	10"	40#	SH	150	Set	
10"	8 5/8"		SH			
7"				Oil String		

If changes in the above plan become advisable we will notify you before cementing or landing casing. We estimate that the first productive oil or gas sand should occur at a depth of about 1000' feet.

Additional information:

Approved FEB 9 1950, 19____
except as follows:

Sincerely yours,

Company or Operator

By H. N. Smith

Position Owner

Send communications regarding well to

Name H. N. Smith

Address 126 S. Canyon, Carlsbad, New Mexico

OIL CONSERVATION COMMISSION,

By [Signature]
Title ARTESIA REPRESENTATIVE

COUNTY EDDY WELL H. N. SMITH #1 Leeman WILDCAT
 STATE NEW MEXICO
 FIELD WILDCAT
 LOCATION: 2310' fr S/L 1650' fr N/L Sec 10-26S-24E, SW/cor of county

SPUDDED 2-15-50 COMPLETED 4-4-50 TYPE OF WELL: Abandoned
 CASING: 10 3/4" 150', 8 5/8" 424', 5 1/2" 513'
 ELEVATION: 3720' DF

		REMARKS	
TOTAL DEPTH	675' lime		
TOP OF PAY	10' (sul)	T/Del Lime	400'
PROD. ZONE		T/Del Sand	563'
PERFORATED			
SHOTS			
ACID			
POTENTIAL	MEASURED 270		
	MEASURED		
GRAVITY			
GO RATIO			
WATER			

L. R. Smith

OIL REPORT

31

CARD NO. 7

4-1-50

11

Form 9-551
(7-5-55)
APPROVED

NOV 18 1963
RONNIE E. STROOK
ACTING DISTRICT ENGINEER

U. S. D. C. COM

SUBMIT IN TRIPLICATE

UNITED STATES

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Budget Bureau No. 42-R-112.4
Form Approved

Land Office 21

Case No. 04020

Unit 1

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	X
NOTICE OF INTENTION TO PUMP OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

August 28, 1963

Well No. 1 is located 330 ft. from [N] line and 330 ft. from [E] line of sec. 13

NE 1/4 Sec 13 28-S 28-E NE 1/4
(4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat Eddy New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show show, weight, and length of proposed casing; indicate mudlogging jobs, cementing points, and all other important proposed work)

Well plugged 8/27/63 as follows: 30 sack cement 900-800 feet; 40 sacks 90-40 feet; 20 sacks 0-20 feet. Steel marker is erected and pits will be leveled. Notification will be given when location is ready for inspection.

RECEIVED

NOV 18 1963

D. C. C.
ARTERIA, OFFICE

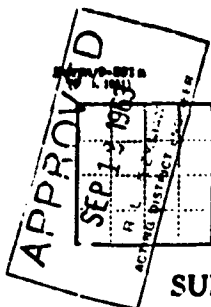
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Universal Production Service, Inc.

Address Box 953, Midland, Texas

By [Signature]

Title Agent



(SUBMIT IN TRIPPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Geological Survey No. 42-2156.4
Form Approved

Land Office **NEW**

Lease No. **95920**

Unit **1**

RECEIVED

SEP 16 1963

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 10, 1963

Superior Federal B
Well No. 1 is located 330' ft. from N line and 330' ft. from E line of sec. 13
NE NE Sec 13 26-S 74-E 10TH
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Midwest Edin New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is ... ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudlogging jobs, cementing points, and all other important proposed work)

10 3/4-inch casing set and mudded in at 34 feet, this casing was pulled when well was plugged. 12 1/2-inch casing set at 20 feet and cemented with 20 sacks cement. Work performed 8/28/63.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

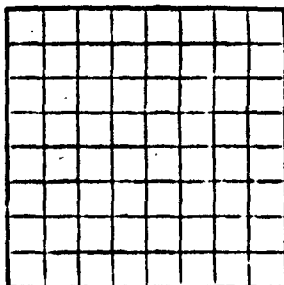
Company **Universal Production Service, Inc.**
Address **Box 853, Midland, Texas**

By *[Signature]*

Title **Agent**

E. H. C. C. COPY

Form 9-329



LOCATE WELL CORRECTLY

RECEIVED

SEP 12 1963

U. S. C. UNITED STATES
ARTESIAL OFFICE
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form approved
Federal Bureau No. 20-28854

U. S. LAND OFFICE

SERIAL NUMBER

LEASE OR PERMIT TO PRODUCE

RECEIVED
SEP 11 1963
U.S. GEOLOGICAL SURVEY
ALBUQUERQUE, N.M.

LOG OF OIL OR GAS WELL

Company Universal Production Service, Inc. Address Box 953, Midland, Texas
Lessor or Tract Superior Federal B Field Wildcat State New Mexico
Well No. 1 Sec. 13 T. 26S R. 24E Meridian BPM County Eddy
Location 230 ft. SW of N Line and 230 ft. SW of E Line of Section 13 Elevation _____

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Date September 9, 1963 Signed [Signature] Title Agent

The summary on this page is for the condition of the well at above date.

Commenced drilling 7/23, 1963. Finished drilling 8/27, 1963

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from BPM to _____ No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Date	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From	To	
12.1/2	20	1 1/4	J-51	10	Ball	24			Surface
10.2/3	24	1 1/4	J-51	24	Ball	24			Intermediate

MUDDING AND CEMENTING RECORD

IMPORTANT WATER SANDS

No. 1, from to No. 3, from to
 No. 2, from to No. 4, from to

CASING RECORD

Run casing	Weight per foot	Threads per foot	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
12 1/2	10	1 1/4	1-31	10 1/2	Ball	SA			Surface
10 1/4	10	1 1/4	1-31	1 1/4	Ball	SA			Intermediate

MULDDING AND CEMENTING RECORD

Run casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
12 1/2	10'	5	Dumped		None

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set
 Adapters—Material Size

SHOOTING RECORD

Run	Shell used	Explosive used	Quantity	Date	Depth shot	Depth charged out

TOOLS USED

Rotary tools were used from feet to feet, and from feet to feet
 Cable tools were used from feet to feet, and from feet to feet

DATES

....., 19..... Put to producing 19.....

The production for the first 24 hours was barrels of fluid of which% was oil;% emulsion;% water; and% sediment. Gravity, °Bé.

If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in.

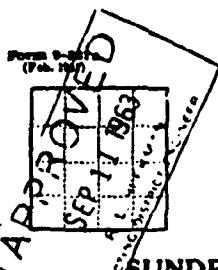
EMPLOYEES

Ray Hill Driller Driller
 D. G. Pierson Driller Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	15	15	Top soil & Ashy
15	32	37	Ashy & Gyp
32	67	15	Ashy
67	88	21	Lime
88	200	212	Lime Ashy
200	235	35	Lime Mica
235	270	35	Lime Ashy
270	330	60	Lime
330	380	50	Black Lime
380	450	70	Sand
450	462	12	Sand & Shale

FORMATION RECORD—Continued



H. M. O. C. L. CUCK

Budget Bureau No. 42-0359.4
Form Approved

(SUBMIT IN TRIPLICATE)

Lead Office H M

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Lease No. 06920

Unit RECEIVED

SEP 12 1963

SUNDRY NOTICES AND REPORTS ON WELLS

ARTERIA, OFFICE

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

August 29 1963

Superior Federal 3
Well No. 1 is located 230 ft. from N line and 330 ft. from E line of sec. 13

NE 1/4 Sec. 13 26-S 28-E N 1/4
(1/4 Sec. and 1/4 Sec.) (Twp.) (Range) (Section)
Wildcat (Field) Edov (County & Subdivision) New Mexico (State & Territory)

The elevation of the derrick floor above sea level is ft.

DETAILS OF WORK

(State names of and expected depths to objection sands; show sizes, weights, and lengths of proposed casings; indicate mudlogging jobs, cementing points, and all other important proposed work)

Well drilled to a depth of 962 feet and found dry. We propose to plug as follows: 30 sacks 900-800 feet; 40 sacks 90-40 feet; 20 sacks 0-20 feet. Balance hole filled with mud. Verbal permission to plug given to Mr. Harry Sindorf by Mr. Kneuft 8/27/63. Steel marker will be erected and pits will be leveled.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

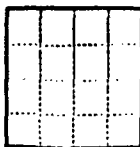
Company Universal Production Service, Inc.

Address Box 953, Midland, Texas

By [Signature]

Title Agent

Form G-201 a
(Feb. 1961)



N. M. O. C. L. 104

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 43-0110.4
Form Approved

Land Office Denver, Pa.

Lease No. 05920

Unit

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	X	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Well No. 1 Superior Federal B is located 330 ft. from N line and 330 ft. from E line of sec. 13
NE Sec. 13 26-S 24-1 111th
(4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildont Eddy New Mexico
(Town) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

We propose to drill to a total depth of approximately 1200 feet with Cable Tools and complete in the Delaware formation. The casing program will be as follows: 10 3/4-inch 32#, 11-40 surface casing to be set at 30 feet and cemented with 10 sacks. Cement will be circulated to surface. 4 1/2-inch 11.6#, J-55 casing set at 1200 feet & cemented with 225 sacks cement. Cement will be circulated to surface on oil string.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Universal Production Service, Inc.

Address Box 453, Pecos, New Mexico

By [Signature]

Title Agent

RECEIVED
JUL 26 1963
D. C. C.
ARTESIA, OFFICE

Section 13	Range 24-C	County Filly
Operator	Universal Production Service, Inc.	Lease
Well No.	1	

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT
 SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

FORM C-128
Rev. 1-1-57

SECTION A

Operator	Universal Production Service, Inc.			Lease	Superior-Federal	Well No.	1
Unit Letter	A	Section	13	Township	24-C	County	Filly
Actual Footage Location of Well: 330 feet from the North line and 330 feet from the East line							
Ground Level Elev.	Producing Formation Delaware			Pool	Wildcat		
				Dedicated Acreage:	49 Acres		

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES X NO ____ ("Downer" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (15-1-29 (a) NMSA 1955 Comp.)

2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES ____ NO ____ If answer is "yes," Type of Consolidation ____

3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Land Description

RECEIVED
 JUL 26 1963
 D. C. C.
 ARTS. OFFICE

SECTION B

0	330	660	990	1320	1650	1980	2310	2640	2970	3300

CERTIFICATION

I hereby certify that the information in SECTION A above is true and complete to the best of my knowledge and belief.

Name James L. Smith
 Position Agent
 Company Universal Production Service, Inc.
 Date July 17, 1963

I hereby certify that the well location shown on the plat in SECTION B was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed July 11, 1963
 Registered Professional Engineer and/or Land Surveyor
W. H. H. H. H.
 Certificate No. 1652

0 330 660 990 1320 1650 1980 2310 2640 2970 3300

EDDY COUNTY

NEW MEXICO

WILDCAT

Well: UNIVERSAL PROD. SERVICE, INC. #1-B Superior-Federal Result: DCA
Loc'n: S/part county, 26 mi SW/Loving; Sec 13-26S-24E, 330' FNGELs Sec; 1 3/4 mi NE of
2513' dry hole, no nearby prodn.

Spud: 7-29-63; Comp: 8-27-63; Elev: 3792' DF; TD: 957'

Casing: 10" 95

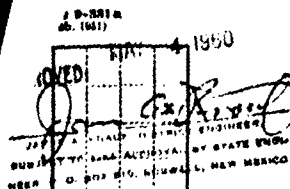
Comp. Info: No cores or tests. C/Sindorf Drig. Co.

Tops: (EL) Dela. li. 831, Dela. sd. 880'

See Appendix
OIL REPORTS

Date: 9-24-63

Card No.: 8 NM ds



N. M. O. C. C. C.

Budget Bureau No. 43 8384
Approval expires 12-31-60.

(SUBMIT IN TRIPLICATE)

Land Office Santa Fe
L. C. 061716

Unit SE/4 of NE/4

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

May 2, 1960

Government "134" No. 1
Well No. 1 is located 1980 ft. from [N] line and 660 ft. from [E] line of sec. 12

SE/4 of NE/4 Sec. 12 T-26-S R-24-E NMPH
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Wildcat Eddy County New Mexico
(Field) (County or Subdivision) (State or Territory)

Kelly Bushing

The elevation of the surface above sea level is 3876 ft. (estimated) C. L. 3864'

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudlogging jobs, coring points, and all other important proposed work)

Propose to drill 17 1/2" hole to approximately 450' and run 13-3/8", 48# casing and circulate cement w/500 sax. Drill 12 1/2" hole to approximately 4400' and run 9-5/8", 40# casing and cement with 1000 sax. Then drill 8-3/4" hole to approximately 11,000', and if shows warrant setting casing, set 7" casing at total depth. Completion methods will be determined by shows encountered while drilling.

APPROVED FOR THE STATE
OF NEW MEXICO
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
BOX 810, ROSWELL, NEW MEXICO

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The Superior Oil Company

Address Midland, Texas

RECEIVED

MAY 1 1960

U. S. GEOLOGICAL SURVEY

ARTESIA, NEW MEXICO

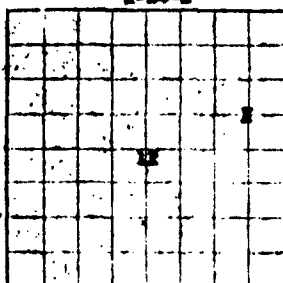
Petroleum Engineer

GPO 647040

R. E. C. C. COPY

Form 10-220

R-24-2



LOCATE WELL CORRECTLY

RECEIVED

APR 3 1961

U. S. LAND OFFICE, SANTA FE
SERIAL NUMBER L.C. 961716
LEASE OR PERMIT TO PROSPECT

RECEIVED
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

LOG OF OIL OR GAS WELL

Company The Superior Oil Company Address Box 1240, Midland, Texas
Lessor or Tract Government "134" Field Willcox State New Mexico
Well No. 1 Sec. 12 T-24-S.R. -24-E. Meridian N.M.P.M. County ddy
Location 1880 ft. N of N Line and 440 ft. W of 2 Line of Section 12 Elevation 3672 ft.

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed Herman High (Herman High)

Date 7-23-60 Title Petroleum Engineer

The summary on this page is for the condition of the well at above date.

Commenced drilling 5-9 1960 Finished drilling July 25 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 7452 to 7478 No. 4, from to
No. 2, from to No. 5, from to
No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

No. 1, from to No. 3, from to
No. 2, from to No. 4, from to

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From	To	
13-3/8"	48	8 rd	E-48	327					
11-3/8"	34.5	8 rd	J-35	106	Baker	None			Surface Csg.
9-5/8"	47	8 rd	Spang	17646	Baker	None			Intermediate Csg.
7"	24-29	8 rd	Spang	9310	Baker	None			Reboor Csg.

MUDDING AND CEMENTING RECORD

Flare	Wires set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
-------	-----------	------------------------	-------------	-------------	--------------------

15-3/8"	431	800	July 2 1960	8.7	CITY, TEXAS
8-5/8"	443	7150	July 2 1960	8.4	WIDE RIVER
7"	9253	900	July 2 1960	10.1	WIDE RIVER

PLUGS AND ADAPTERS

Heavy plug—Material _____ Length _____ Depth set _____
 Adapter—Material _____

SHOOTING RECORD

Shot	Shot hole	Explosive used	Quantity	Date	Depth shot	Explosive used
1000 gals	7444	7445-7470		7-25-60		
5500 gals	7445-7470	7471-7476		7-27-60		

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

NOTES

July 25 _____ Put to producing _____

The production for the first 24 hours was _____ barrels of fluid of which _____ % was _____ %

emulsion, _____ % water, and _____ % sediment. Gravity, _____

Flow rate well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

By _____ Driller _____

By _____ Driller _____

FORMATION RECORD

Time	Co.	Depth	Description
0	902	0	Surface
303	970	67	Limestone
370	412	243	Shale, Chalk & Limestone
412	6894	1043	Limestone to some sand & shale
449	4267	431	Shale, Chalk & Limestone
452	723	365	Limestone, Shale & Chalk
723	7452	230	Limestone & Shale
7452	7453	25	Shale
7453	7770	230	Shale & Sand
7770	7800	30	Limestone (cracked)
7800	8170	300	Shale & Limestone
8170	9145	70	Limestone & Shale
9145	9323	178	Limestone & Shale

Continued on next page

10	9323		Shale Limestone	501
9323	9400		Shale Limestone	770
9400			Shale Limestone	1113
9400			Shale Limestone	1113
9400			Shale Limestone	1113
9400			Shale Limestone	1113
9400			Shale Limestone	1113
9400			Shale Limestone	1113
9400			Shale Limestone	1113
9400			Shale Limestone	1113

Continued on next page

FORMATION RECORD

NEW MEXICO OIL CONSERVATION COMMISSION
Well Location and Acreage Dedication Plat

Section A.

Date May 2, 1960

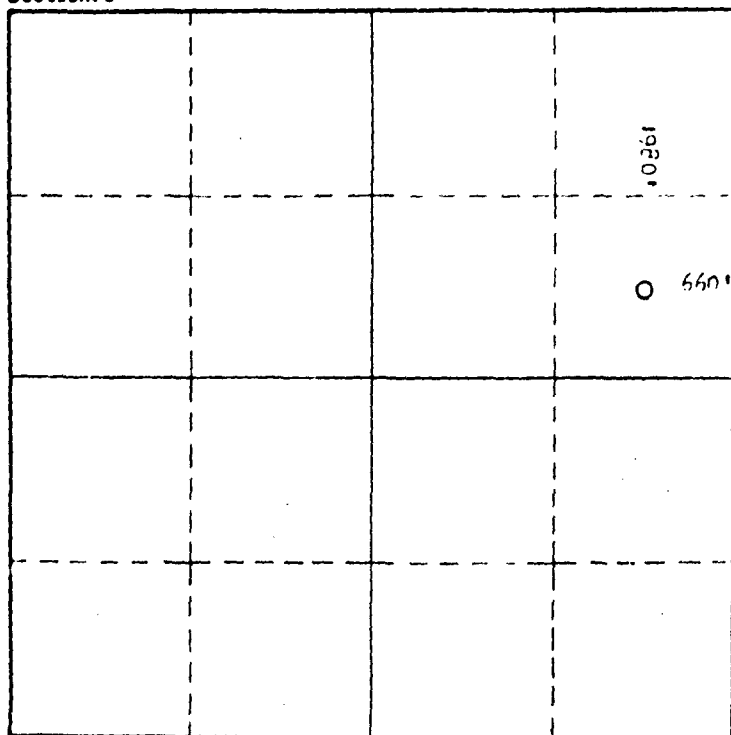
Operator The Superior Oil Company Lease Agreement "134"
Well No. 1 Unit Letter II Section 12 Township 26 S Range 2 E N.M.P.M.
Located 1080 Feet From North Line, 660 Feet From East Line
County EDDY G. L. Elevation 3860 Dedicated Acreage _____ Acres
Name of Producing Formation Devonian - Wilcox Pool area designated

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below?
Yes X No _____
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes _____ No _____. If answer is "yes," Type of Consolidation _____
3. If the answer to question two is "no," list all the owners and their respective interests below:

OWNER

Land Description

Section B



This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

The Superior Oil Company
(Operator)

Harman High (Harman High)
(Representative)

Midland, Texas
Address

This is to certify that the well location shown on the plat in Section B was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed Apr. 12, 1960

H. W. Felt
Registered Professional
Engineer and/or Land Surveyor.

Certificate No. 388

(See instructions for completing this form on the reverse side)

- 2 -

INSTRUCTIONS FOR COMPLETION:

1. Operator shall furnish and certify to the information called for in Section A.
2. Operator shall outline the dedicated acreage for both oil and gas wells on the plat in Section B.
3. A registered professional engineer or land surveyor registered in the State of New Mexico or approved by the Commission shall show on the plat the location of the well and certify this information in the space provided.
4. All distances shown on the plat must be from the outer boundaries of Section.
5. If additional space is needed for listing owners and their respective interests as required in question 3, Section A, please use space below

* "Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (65-3-29 (e) NMSA 1953 Comp.)

Part 1: 1944-1945
Part 2: 1946-1947
Part 3: 1948-1949
Part 4: 1950-1951
Part 5: 1952-1953
Part 6: 1954-1955
Part 7: 1956-1957
Part 8: 1958-1959
Part 9: 1960-1961
Part 10: 1962-1963
Part 11: 1964-1965
Part 12: 1966-1967
Part 13: 1968-1969
Part 14: 1970-1971
Part 15: 1972-1973
Part 16: 1974-1975
Part 17: 1976-1977
Part 18: 1978-1979
Part 19: 1980-1981
Part 20: 1982-1983
Part 21: 1984-1985
Part 22: 1986-1987
Part 23: 1988-1989
Part 24: 1990-1991
Part 25: 1992-1993
Part 26: 1994-1995
Part 27: 1996-1997
Part 28: 1998-1999
Part 29: 2000-2001
Part 30: 2002-2003
Part 31: 2004-2005
Part 32: 2006-2007
Part 33: 2008-2009
Part 34: 2010-2011
Part 35: 2012-2013
Part 36: 2014-2015
Part 37: 2016-2017
Part 38: 2018-2019
Part 39: 2020-2021
Part 40: 2022-2023
Part 41: 2024-2025
Part 42: 2026-2027
Part 43: 2028-2029
Part 44: 2030-2031
Part 45: 2032-2033
Part 46: 2034-2035
Part 47: 2036-2037
Part 48: 2038-2039
Part 49: 2040-2041
Part 50: 2042-2043
Part 51: 2044-2045
Part 52: 2046-2047
Part 53: 2048-2049
Part 54: 2050-2051
Part 55: 2052-2053
Part 56: 2054-2055
Part 57: 2056-2057
Part 58: 2058-2059
Part 59: 2060-2061
Part 60: 2062-2063
Part 61: 2064-2065
Part 62: 2066-2067
Part 63: 2068-2069
Part 64: 2070-2071
Part 65: 2072-2073
Part 66: 2074-2075
Part 67: 2076-2077
Part 68: 2078-2079
Part 69: 2080-2081
Part 70: 2082-2083
Part 71: 2084-2085
Part 72: 2086-2087
Part 73: 2088-2089
Part 74: 2090-2091
Part 75: 2092-2093
Part 76: 2094-2095
Part 77: 2096-2097
Part 78: 2098-2099
Part 79: 2100-2101
Part 80: 2102-2103
Part 81: 2104-2105
Part 82: 2106-2107
Part 83: 2108-2109
Part 84: 2110-2111
Part 85: 2112-2113
Part 86: 2114-2115
Part 87: 2116-2117
Part 88: 2118-2119
Part 89: 2120-2121
Part 90: 2122-2123
Part 91: 2124-2125
Part 92: 2126-2127
Part 93: 2128-2129
Part 94: 2130-2131
Part 95: 2132-2133
Part 96: 2134-2135
Part 97: 2136-2137
Part 98: 2138-2139
Part 99: 2140-2141
Part 100: 2142-2143
Part 101: 2144-2145
Part 102: 2146-2147
Part 103: 2148-2149
Part 104: 2150-2151
Part 105: 2152-2153
Part 106: 2154-2155
Part 107: 2156-2157
Part 108: 2158-2159
Part 109: 2160-2161
Part 110: 2162-2163
Part 111: 2164-2165
Part 112: 2166-2167
Part 113: 2168-2169
Part 114: 2170-2171
Part 115: 2172-2173
Part 116: 2174-2175
Part 117: 2176-2177
Part 118: 2178-2179
Part 119: 2180-2181
Part 120: 2182-2183
Part 121: 2184-2185
Part 122: 2186-2187
Part 123: 2188-2189
Part 124: 2190-2191
Part 125: 2192-2193
Part 126: 2194-2195
Part 127: 2196-2197
Part 128: 2198-2199
Part 129: 2200-2201
Part 130: 2202-2203
Part 131: 2204-2205
Part 132: 2206-2207
Part 133: 2208-2209
Part 134: 2210-2211
Part 135: 2212-2213
Part 136: 2214-2215
Part 137: 2216-2217
Part 138: 2218-2219
Part 139: 2220-2221
Part 140: 2222-2223
Part 141: 2224-2225
Part 142: 2226-2227
Part 143: 2228-2229
Part 144: 2230-2231
Part 145: 2232-2233
Part 146: 2234-2235
Part 147: 2236-2237
Part 148: 2238-2239
Part 149: 2240-2241
Part 150: 2242-2243
Part 151: 2244-2245
Part 152: 2246-2247
Part 153: 2248-2249
Part 154: 2250-2251
Part 155: 2252-2253
Part 156: 2254-2255
Part 157: 2256-2257
Part 158: 2258-2259
Part 159: 2260-2261
Part 160: 2262-2263
Part 161: 2264-2265
Part 162: 2266-2267
Part 163: 2268-2269
Part 164: 2270-2271
Part 165: 2272-2273
Part 166: 2274-2275
Part 167: 2276-2277
Part 168: 2278-2279
Part 169: 2280-2281
Part 170: 2282-2283
Part 171: 2284-2285
Part 172: 2286-2287
Part 173: 2288-2289
Part 174: 2290-2291
Part 175: 2292-2293
Part 176: 2294-2295
Part 177: 2296-2297
Part 178: 2298-2299
Part 179: 2300-2301
Part 180: 2302-2303
Part 181: 2304-2305
Part 182: 2306-2307
Part 183: 2308-2309
Part 184: 2310-2311
Part 185: 2312-2313
Part 186: 2314-2315
Part 187: 2316-2317
Part 188: 2318-2319
Part 189: 2320-2321
Part 190: 2322-2323
Part 191: 2324-2325
Part 192: 2326-2327
Part 193: 2328-2329
Part 194: 2330-2331
Part 195: 2332-2333
Part 196: 2334-2335
Part 197: 2336-2337
Part 198: 2338-2339
Part 199: 2340-2341
Part 200: 2342-2343
Part 201: 2344-2345
Part 202: 2346-2347
Part 203: 2348-2349
Part 204: 2350-2351
Part 205: 2352-2353
Part 206: 2354-2355
Part 207: 2356-2357
Part 208: 2358-2359
Part 209: 2360-2361
Part 210: 2362-2363
Part 211: 2364-2365
Part 212: 2366-2367
Part 213: 2368-2369
Part 214: 2370-2371
Part 215: 2372-2373
Part 216: 2374-2375
Part 217: 2376-2377
Part 218: 2378-2379
Part 219: 2380-2381
Part 220: 2382-2383
Part 221: 2384-2385
Part 222: 2386-2387
Part 223: 2388-2389
Part 224: 2390-2391
Part 225: 2392-2393
Part 226: 2394-2395
Part 227: 2396-2397
Part 228: 2398-2399
Part 229: 2400-2401
Part 230: 2402-2403
Part 231: 2404-2405
Part 232: 2406-2407
Part 233: 2408-2409
Part 234: 2

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER _____

2. TYPE OF COMPLETION: WORKING WELL ☐ PLUGGED ☒ DEEP-SEA ☐ PLUG BACK ☐ DIFF. APP. H. ☐ OTHER _____

3. NAME OF OPERATOR: The Superior Oil Company

4. ADDRESS OF OPERATOR: P. O. Box 1900, Midland, Texas 79701

5. LOCATION OF WELL (Report location clearly and in accordance with any State regulations): At surface 1980' FNL & 660' FEL

6. AT top prod. interval reported below Drilled as straight hole

7. AT total depth

8. DATE OF COMPLETION: MAY 22 1968

9. FIELD NO. 1980

10. WELL NO. 660

11. COUNTY: MIDLAND

12. STATE: TEXAS

13. FEDERAL LANDS: ☐ BLM ☐ NPS ☐ OTHER _____

14. FEDERAL AGENCY: _____

15. FEDERAL PROJECT NO.: _____

16. FEDERAL PROJECT NAME: _____

17. FEDERAL PROJECT DESCRIPTION: _____

18. FEDERAL PROJECT STATUS: _____

19. FEDERAL PROJECT COMMENTS: _____

20. FEDERAL PROJECT CONTACT: _____

21. FEDERAL PROJECT PHONE: _____

22. FEDERAL PROJECT ADDRESS: _____

23. FEDERAL PROJECT CITY: _____

24. FEDERAL PROJECT STATE: _____

25. FEDERAL PROJECT ZIP: _____

26. FEDERAL PROJECT COUNTRY: _____

27. FEDERAL PROJECT CONTAINER: _____

28. FEDERAL PROJECT DATE: _____

29. FEDERAL PROJECT TIME: _____

30. FEDERAL PROJECT LOCATION: _____

31. FEDERAL PROJECT COORDINATES: _____

32. FEDERAL PROJECT ELEVATION: _____

33. FEDERAL PROJECT TEMPERATURE: _____

34. FEDERAL PROJECT PRESSURE: _____

35. FEDERAL PROJECT FLOW RATE: _____

36. FEDERAL PROJECT VISCOSITY: _____

37. FEDERAL PROJECT DENSITY: _____

38. FEDERAL PROJECT API GRAVITY: _____

39. FEDERAL PROJECT SUGAR BEET: _____

40. FEDERAL PROJECT SUGAR BEET: _____

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100. FEDERAL PROJECT SUGAR BEET: _____

5. 10:00 REGISTRATION AND GENERAL INFO
L.C. 061716
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. ENTRY AGREEMENT NAME

8. FIRM OR LEASE NAME
Government 134

8. WELL NO. 1
Is undisputed Washington Ranch (Morrow)
11. SEC. T. 8. N. ON BLOCK AND SURVEY
OR AREA
Sec. 12, T-26-S, R-24-E

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
	May 4, 1960	Eddy	New Mexico

15. DATE SPUNDED	16. DATE Y.B. BRANCHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATION (GP. HND. ST. GR. TYP.)	19. SLAT. CASHINGHEAD
5-9-60	* 7-25-60	7-28-60	VR. 1270' DF. 1270'	CL = 1266

20. TOTAL DEPTH, MD & TDS	21. PLUG BACK T.S. MD & TDS	22. IS MULTIPLE COMPLETION W/ WELL?	23. IS WELL DRILLED BY	24. SOVATY TOOLS	25. CABLE TOOLS
7520-80	7-25-60	7-28-60	1B-3873	1B-3873	1B-3886
10.237'	7520'			0 - TD	
26. FROM THIS INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, SAME (MD AND TDS)?					
27. WASH DIRECTION(S)					

Top: 7450'	Upper Morrow Stray Sand	SURVEY MADE
Bottom: 7480'		No
50. TYPE ELECTRIC AND OTHER LOGS RUN		51745-7480' 2000
Schlumberger Gamma Ray-Sonic, Induction, and Microlog		3185-3585'

CARING SIZE	WEIGHT, LB/WT.	DEPTH, IN (IN)	HAIR SIZE	POWERTING BEVEL	AMOUNT FILLED
13-3/8"	48#	4.51	17-1/2"	600 sax - circ	None
9-5/8"	47#	4.663	12-1/4"	2100 sax - circ	None
7"	75# & 29#	9.323	8-1/2"	500 sax - calculated	None
				T. amt - 7300"	

LINER RECORD					TYPING RECORD		
SIZE	TOP (WD)	BOTTOM (WD)	BACKS (CMNT)°	SCHEER (WD)	SIZE	DEPTH OUT (WD)	PACKER OUT (WD)
" "	" "	" "	" "	" "	2-1/2"	7389	7352

<p>Perfs 7432-37', 7462-64', 7470-78' w/4 JSPP or total of 60 holes</p>	<p>ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.</p> <table border="1"> <thead> <tr> <th>DEPTH INTERVAL (MD)</th> <th>AMOUNT AND TYPE OF MATERIAL USED</th> </tr> </thead> <tbody> <tr> <td>7452-78'</td> <td>1000 gal Spearhead - 7-26-60</td> </tr> <tr> <td>7452-78'</td> <td>5500 gal Refined oil - 7-27-60</td> </tr> <tr> <td>7452-78'</td> <td>Squeezed w/85 sax - 8-2-60</td> </tr> <tr> <td>* Back of page</td> <td>for additional information.</td> </tr> </tbody> </table>	DEPTH INTERVAL (MD)	AMOUNT AND TYPE OF MATERIAL USED	7452-78'	1000 gal Spearhead - 7-26-60	7452-78'	5500 gal Refined oil - 7-27-60	7452-78'	Squeezed w/85 sax - 8-2-60	* Back of page	for additional information.
DEPTH INTERVAL (MD)	AMOUNT AND TYPE OF MATERIAL USED										
7452-78'	1000 gal Spearhead - 7-26-60										
7452-78'	5500 gal Refined oil - 7-27-60										
7452-78'	Squeezed w/85 sax - 8-2-60										
* Back of page	for additional information.										

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumpjack—size and type of pump)				WELL STATUS (Producing or shut-in)	
7-28-60		Flowing				Shut-in	
DATE OF TEST	HOLES TESTED	CHOKED AMS	PROP'D. FOR TEST PERIOD	OIL—BBL	GAS—MCF	WATER—BBL	GAS-OIL RATIO
3-29-73	3	8/64	→	- -	19	- -	
FLOW, TONN. PER DAY	NO. OF PRESSURES	CALCULATED 24-HOUR RATE	OIL—BBL	GAS—MCF	WATER—BBL	OIL GRAVITY-API (CORR.)	
900	None Packer	→	- -	152	- -	- -	
54. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)							
Vented for test purposes						TEST WITNESSED BY Terry Clay	

88. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

SIGNATURE *Kerry Coley* TITLE Petroleum Engineer DATE 4-16-73

* (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, 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 respect to local, area, or regional procedures and practices, either are shown below or will be learned by, or may be obtained from, the local Federal and/or State office. See instruction 31.

Item 1: 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 oil or gas production from more than one interval (i.e., 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 24. Submit a separate report (page) on this form, advantageously identified, for each additional interval to be separately produced, showing the additional data pertinent to each interval.

Item 25: "Seeds Crossover": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 26: Submit a separate completion report on this form for each interval to be separately produced. (See instructions for Items 22 and 24 above.)

Item 27: Submit a separate completion report on this form for each interval to be separately produced. (See instructions for Items 22 and 24 above.)

* Re-entered well on 8-1-60 and deepened from 9329 to 10,237'.

Perfs 8294-8333' 500 gal mud acid

Set cast iron bridge plug 7528' & dumped 1-1/2 sac cement on top (PBD - 7820')

Re-perforated 7452-57', 7462-64', 7470-78'

7452-78' (CA) - 500 gal mud acid - 9-3/60

31. INSTRUCTIONS FOR PREPARING AND SUBMITTING THIS FORM: PREPARE AND SUBMIT THIS FORM TO THE APPROPRIATE AGENCY, AND ATTACH THE FOLLOWING: (SEE INSTRUCTIONS FOR ITEMS 22 AND 24 ABOVE.)

PRODUCTION	WELL	DEPTHS	DESCRIPTION, COMMENTS, ETC.	STATE	WELL DEPTH	FEED DEPT. DEPTH
Anhydrite	0	903		Delaware	900-4133	
Limestone	903	970		Bone Springs	4133-6100	
Sd, sh & lm	970	4133		Holtcamp	6100-6540	
lm w/sd & sh	4133	6096		Penn	6540-7233	
Sd, sh & lm	6096	6547		Atoka-Horror	7233-7450	
lm, sh & chert	6547	7232		Horror	7450-7986	
lm & sd	7232	7452		Mias	7986-8082	
Sd	7452	7480		Woodford	8082-8178	
Sh & sd	7480	7770		Devonian	8178-9135	
Granite	7770	7800		Montoya	9135-9450	
Sh & lm	7800	8178		Simpson	9450-9636	
lm & doolo	8178	9140		Ellenburger	9636-10237	
lm & chert	9140	9323				
lm & sd	9323	9620				
Dolomite	9620	10237				

Cont'd from top of page...

U.S. GOVERNMENT PRINTING OFFICE: 1967 O-342333

7452-78' (CA) - 1000 gal Spearhead Acid - 9-4-60
 7452-78' (CA) - 2000 gal " - 9-5-60
 7452-78' (CA) - 2500 gal Kerosene plus 4850# sand - 9-7-60
 7452-78' (CA) - 2500 gal 7-1/2% NS acid - 2-28-73

Form G-311
(May 1962)

UNITED STATES **E. C. DOW** IN TRIMPLICATED
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form approved
Budget Number No. 11454
5. LEASE DESIGNATION AND SERIAL NO.
L.C. 061716
6. IF INDENT, ALLOTED OR TRICE NAME

SUNDY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals for a well or for design or log back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

1. NAME OF OPERATOR THE SUPERIOR OIL COMPANY	2. FIELD AND FUEL, OR WILDCAT Washington Ranch
3. ADDRESS OF OPERATOR P. O. Box 71 Cenozo, TEXAS 77301	4. FIELD NO. 1
5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 12 below.) At surface	6. FIELD AND FUEL, OR WILDCAT Washington Ranch
7. FIELD AND FUEL, OR WILDCAT Washington Ranch	8. FIELD AND FUEL, OR WILDCAT Washington Ranch
9. FIELD AND FUEL, OR WILDCAT Washington Ranch	10. FIELD AND FUEL, OR WILDCAT Washington Ranch
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99. FIELD AND FUEL, OR WILDCAT Washington Ranch	100. FIELD AND FUEL, OR WILDCAT Washington Ranch

1. FIELD AND FUEL, OR WILDCAT Washington Ranch	2. FIELD AND FUEL, OR WILDCAT Washington Ranch	3. FIELD AND FUEL, OR WILDCAT Washington Ranch	4. FIELD AND FUEL, OR WILDCAT Washington Ranch	5. FIELD AND FUEL, OR WILDCAT Washington Ranch	6. FIELD AND FUEL, OR WILDCAT Washington Ranch	7. FIELD AND FUEL, OR WILDCAT Washington Ranch	8. FIELD AND FUEL, OR WILDCAT Washington Ranch	9. FIELD AND FUEL, OR WILDCAT Washington Ranch	10. FIELD AND FUEL, OR WILDCAT Washington Ranch	11. FIELD AND FUEL, OR WILDCAT Washington Ranch	12. FIELD AND FUEL, OR WILDCAT Washington Ranch	13. FIELD AND FUEL, OR WILDCAT Washington Ranch	14. FIELD AND FUEL, OR WILDCAT Washington Ranch	15. FIELD AND FUEL, OR WILDCAT Washington Ranch	16. FIELD AND FUEL, OR WILDCAT Washington Ranch	17. FIELD AND FUEL, OR WILDCAT Washington Ranch	18. FIELD AND FUEL, OR WILDCAT Washington Ranch	19. FIELD AND FUEL, OR WILDCAT Washington Ranch	20. FIELD AND FUEL, OR WILDCAT Washington Ranch	21. FIELD AND FUEL, OR WILDCAT Washington Ranch	22. FIELD AND FUEL, OR WILDCAT Washington Ranch	23. FIELD AND FUEL, OR WILDCAT Washington Ranch	24. FIELD AND FUEL, OR WILDCAT Washington Ranch	25. FIELD AND FUEL, OR WILDCAT Washington Ranch	26. FIELD AND FUEL, OR WILDCAT Washington Ranch	27. FIELD AND FUEL, OR WILDCAT Washington Ranch	28. FIELD AND FUEL, OR WILDCAT Washington Ranch	29. FIELD AND FUEL, OR WILDCAT Washington Ranch	30. FIELD AND FUEL, OR WILDCAT Washington Ranch	31. FIELD AND FUEL, OR WILDCAT Washington Ranch	32. FIELD AND FUEL, OR WILDCAT Washington Ranch	33. FIELD AND FUEL, OR WILDCAT Washington Ranch	34. FIELD AND FUEL, OR WILDCAT Washington Ranch	35. FIELD AND FUEL, OR WILDCAT Washington Ranch	36. FIELD AND FUEL, OR WILDCAT Washington Ranch	37. FIELD AND FUEL, OR WILDCAT Washington Ranch	38. FIELD AND FUEL, OR WILDCAT Washington Ranch	39. FIELD AND FUEL, OR WILDCAT Washington Ranch	40. FIELD AND FUEL, OR WILDCAT Washington Ranch	41. FIELD AND FUEL, OR WILDCAT Washington Ranch	42. FIELD AND FUEL, OR WILDCAT Washington Ranch	43. FIELD AND FUEL, OR WILDCAT Washington Ranch	44. FIELD AND FUEL, OR WILDCAT Washington Ranch	45. FIELD AND FUEL, OR WILDCAT Washington Ranch	46. FIELD AND FUEL, OR WILDCAT Washington Ranch	47. FIELD AND FUEL, OR WILDCAT Washington Ranch	48. FIELD AND FUEL, OR WILDCAT Washington Ranch	49. FIELD AND FUEL, OR WILDCAT Washington Ranch	50. FIELD AND FUEL, OR WILDCAT Washington Ranch	51. FIELD AND FUEL, OR WILDCAT Washington Ranch	52. FIELD AND FUEL, OR WILDCAT Washington Ranch	53. FIELD AND FUEL, OR WILDCAT Washington Ranch	54. FIELD AND FUEL, OR WILDCAT Washington Ranch	55. FIELD AND FUEL, OR WILDCAT Washington Ranch	56. FIELD AND FUEL, OR WILDCAT Washington Ranch	57. FIELD AND FUEL, OR WILDCAT Washington Ranch	58. FIELD AND FUEL, OR WILDCAT Washington Ranch	59. FIELD AND FUEL, OR WILDCAT Washington Ranch	60. FIELD AND FUEL, OR WILDCAT Washington Ranch	61. FIELD AND FUEL, OR WILDCAT Washington Ranch	62. FIELD AND FUEL, OR WILDCAT Washington Ranch	63. FIELD AND FUEL, OR WILDCAT Washington Ranch	64. FIELD AND FUEL, OR WILDCAT Washington Ranch	65. FIELD AND FUEL, OR WILDCAT Washington Ranch	66. FIELD AND FUEL, OR WILDCAT Washington Ranch	67. FIELD AND FUEL, OR WILDCAT Washington Ranch	68. FIELD AND FUEL, OR WILDCAT Washington Ranch	69. FIELD AND FUEL, OR WILDCAT Washington Ranch	70. FIELD AND FUEL, OR WILDCAT Washington Ranch	71. FIELD AND FUEL, OR WILDCAT Washington Ranch	72. FIELD AND FUEL, OR WILDCAT Washington Ranch	73. FIELD AND FUEL, OR WILDCAT Washington Ranch	74. FIELD AND FUEL, OR WILDCAT Washington Ranch	75. FIELD AND FUEL, OR WILDCAT Washington Ranch	76. FIELD AND FUEL, OR WILDCAT Washington Ranch	77. FIELD AND FUEL, OR WILDCAT Washington Ranch	78. FIELD AND FUEL, OR WILDCAT Washington Ranch	79. FIELD AND FUEL, OR WILDCAT Washington Ranch	80. FIELD AND FUEL, OR WILDCAT Washington Ranch	81. FIELD AND FUEL, OR WILDCAT Washington Ranch	82. FIELD AND FUEL, OR WILDCAT Washington Ranch	83. FIELD AND FUEL, OR WILDCAT Washington Ranch	84. FIELD AND FUEL, OR WILDCAT Washington Ranch	85. FIELD AND FUEL, OR WILDCAT Washington Ranch	86. FIELD AND FUEL, OR WILDCAT Washington Ranch	87. FIELD AND FUEL, OR WILDCAT Washington Ranch	88. FIELD AND FUEL, OR WILDCAT Washington Ranch	89. FIELD AND FUEL, OR WILDCAT Washington Ranch	90. FIELD AND FUEL, OR WILDCAT Washington Ranch	91. FIELD AND FUEL, OR WILDCAT Washington Ranch	92. FIELD AND FUEL, OR WILDCAT Washington Ranch	93. FIELD AND FUEL, OR WILDCAT Washington Ranch	94. FIELD AND FUEL, OR WILDCAT Washington Ranch	95. FIELD AND FUEL, OR WILDCAT Washington Ranch	96. FIELD AND FUEL, OR WILDCAT Washington Ranch	97. FIELD AND FUEL, OR WILDCAT Washington Ranch	98. FIELD AND FUEL, OR WILDCAT Washington Ranch	99. FIELD AND FUEL, OR WILDCAT Washington Ranch	100. FIELD AND FUEL, OR WILDCAT Washington Ranch
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- 3-11-77 Displaced hole w/325 bbls 9.5# brine w/5250 lbs 2coqel.
- 3-14-77 Equalized 75 sx Class "A" cmt plug from 7089-7500'. (Plugging witnessed and approved by Mr. J. Brasfield of U.S.G.S. - Artesia, NM).
- 3-15-77 Ran 7" Jet cutter and cut 7" csg. @ 5700'. Pulled on csg. to 168,000#.
- 3-16-77 Worked 7" csg. loose w/290,000#. Pulled and laid down 79 jts of 7" 26# N-80 LT&C csg and 1 - 22' N-80 29# cut off. Filled hole w/9.5# mud laden brine.
- 3-18-77 Pulled and laid down 101 jts and 2 cut offs of 7" N-80 26# LT&C csg. Ran open ended thg to 5750'. Filled hole w/60 bbls 9.5# brine w/2250 lbs 2coqel. Equalized 50 sx. of El Toro reg. cmt from 5750' to 5579'. Pulled thg to 4713' (9-5/8" shoe @ 4663'). Spotted 50 sx. of Class "A" cmt from 4713' to 4567'. (Plugging witnessed and approved by Mr. B. Jones of U.S.G.S. - Artesia, NM).
- 3-19-77 Spotted 10 sx of El Toro Class "A" cmt from 32' to 4' below ground level. Cut top of csg @ 4' below ground level. Installed dry hole marker extending 54" above ground level.

PRB/GDM/11

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

SIGNED

P. R. Blum

TITLE

Operations Engineer

U.S. GEOLOGICAL SURVEY

ARTEZIA, NEW MEXICO

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

N. M. O. C. COPY

Form 9-31
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

REMIT IN TRIPlicate
(State instructions on reverse side)

FORM 9-31
L.C. 10106
U. S. (Indian, Alutian or Tlingit Name)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back in a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals.)

1. ☐ OIL ☐ GAS ☒ WATER ☐ OTHER

2. NAME OF OPERATOR
THE SUPERIOR OIL COMPANY

3. ADDRESS OF OPERATOR
P.O. BOX 71, CONROE, TEXAS 77301

4. LOCATION OF WELL (Specify location clearly and in accordance with any State requirements. See also space 12 below.)
At surface

RECEIVED

MAY 29 1977

O. C. C.
ANTHONY, OFFICE

1080' FNL & 660' FEL OF SECTION 12

14. PERMIT NO. RKB: 3879

5. UNIT ACQUISITION NAME

6. NAME OF LEASE NAME
Government "134"

7. WELL NO.
1

8. FIELD AND NAME OF WELL
Washington Ranch (Morrow)

9. SEC. T. R. OR BLM. AND SURVEY OR AREA
Section 12-26S-24E

10. COUNTY OR PARISH 11. STATE
Eddy New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF
FRACTURE TREAT
SHOOT OR ACIDISE
REPAIR WELL
(Other)

PULL OR ALTER Casing
MULTIPLE COMPLETE
ABANDON*
CHANGE PLANS

WATER SHUT-OFF
FRACTURE TREATMENT
SHOOTING OR ACIDISING
(Other)

REPAIRING WELL
ALTERING CASING
ABANDONMENT*

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 washers and down hole tools to this work.)

Well has been shut-in since 5-21-75. Present perforations are 7452-57, 7462-64, 7470-78. Present PRTD is 7520'. Top of cement outside 7" casing is estimated from temperature survey at 6000'. Intermediate 9-5/8" casing is cemented from 4663' to surface. Surface 13-3/8" casing is cemented from 451' to the surface.

Plugging procedure will be to displace fluid in hole to mud laden fluid and equalize a 35 sack cement plug from 7480' to about 7290'. Recover as much 7" casing as practical. Equalize a 35 sack cement plug from 4713' to about 4610'. Cut off casing at surface if necessary and place 10 sack cement plug in top of casing. Weld a steel plate on top of 9-5/8" casing and install a steel marker at least 4" in diameter extending at least 4 feet above ground level. Mark the steel marker showing the following information:

Government 134 #1 N-Sec 12-26S-24E

RECEIVED

JUN 24 1977

U. S. GEOLOGICAL SURVEY
ANTHONY, NEW MEXICO

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

SIGNED *D. C. Plummer*

TITLE OPERATIONS ENGINEER

DATE JUNE 22, 1976

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*See Instructions on Reverse Side

OPERATOR'S COPY

Form 9-311
(May 1964)

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

STIMULY IN THE "ATP"
LITERATURE INSTRUCTIONS ON THE
FIELD CODE

Form approved
Project Number No. 43 81616

5. LOGS, OBSERVATIONS AND SERIAL NO.
L.C. 061716

6. IF ISSUED, CLASSIFICATION OF FIELD DATA

SUNDRY NOTICES AND REPORTS ON WELLS

(The use of this form for proposals to drill or to develop or plug back to a different formation,
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL ☐ GAS ☒ OTHER

2. NAME OF OPERATOR
THE SUPERIOR OIL COMPANY

3. ADDRESS OF OPERATOR
P.O. BOX 71, COVROE, TEXAS 77301

JAN 24 1977

4. LOCATION OF WELL: Report location, clearly and in accordance with any State regulations.
(See also space 17 below)
AT SURFACE

O. C. C.

ARTERIA, OFFICE

1980' FNL & 660' FEL OF SECTION 12

16. PERMIT NO.

17. ELEVATIONS (Show whether of, OF, ON, OR IN)

R&B: 3879

Section 12-26S-24E

18. COUNTY OR PARISH

Eddy

New Mexico

19. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTES OF INTENTION TO:

TEST WATER SHUT-OFF
PRACTICE TEST
SHOOT OR ABANDON
REPAIR WELL
(Other)

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

WELL OR ALTER CASING
MULTIPLE COMPLETE
ABANDON
CHANGE PLANS

<input type="checkbox"/>
<input checked="" type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

STIMULANT REPORT OF:

WATER SHUT-OFF
PRACTICE TEST
SHOOTING OR ABANDON
(Other)

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

SHOOTING WELL
ALTERING CASING
ABANDON WELL
(Other)

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

20. BASIC DATA (Submit on or after 10:00 A.M. (Clearly state all pertinent details, and give pertinent data, including estimated date of starting and proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all intervals and bottom depth to the work.)

Well has been shut-in since 5-21-75. Present perforations are 7452-57, 7462-64, 7470-78. Present PBD is 7520'. Top of cement outside 7" casing is estimated from temperature survey at 6000'. Intermediate 4-5/8" casing is cemented from 4663' to surface. Surface 13-3/8" casing is cemented from 451' to the surface.

Plugging procedure will be to displace fluid in hole to mud laden fluid and equalize a 35 sack cement plug from 7480' to about 7200'. Recover as much 7" casing as practical. Equalize a 35 sack cement plug from 4713' to about 4610'. Cut off casing at surface if necessary and place 10 sack cement plug in top of casing. Weld a steel plate on top of 9-5/8" casing and install a steel marker at least 4" in diameter extending at least 4 feet above ground level. Mark the steel marker showing the following information:



Government 134#1 R-Rec 12-26S-24E
Superior Oil Co.
Eddy Co. N.M.

RECEIVED

JUN 24 1976

U. S. GEOLOGICAL SURVEY
ARTERIA, NEW MEXICO

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

SIGNED P. P. Stewart

TITLE OPERATIONS ENGINEER

DATE JUNE 22, 1976

(This space for Federal or State office use)

APPROVED BY Joe H. Lora

TITLE ACTING DISTRICT ENGINEER

DATE DEC 7 1976

CONDITIONS OF APPROVAL, IF ANY

Approved for downhole plugging only,
if ready for surface restoration
prior to receiving approval,
phone BLM Roswell 622-7670

*See Instructions on Reverse Side

015-04600134

Form 9-75
(May 1964)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PERMIT IN APPLICATION
OTHER STATES: NONE ON FILE
OTHER STATES: NONE ON FILE

Form approved
Budget Project No. 07-11022

STATE DEPARTMENT AND BUREAU OF
L. C. 0-1710
IF INDIAN, ALLEGED OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back in a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

1. NAME OF OPERATOR THE SUPERIOR OIL COMPANY	2. UNIT ASSIGNED NAME Government 114
3. ADDRESS OF OPERATOR P. O. BOX 71 CONROE TEXAS 77301	4. NAME OF LAND OWNER Washington Ranch (Morro)
5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below) 1980' FNL & 660' FEL of Section 12	6. FIELD AND NAME OF WELL BY Washington Ranch (Morro)
7. PERMIT NO. RKB: 3879	8. COUNTY OR PARISH Eddy
9. ELEVATIONS (Show whether OF, BY, OR, OR, OR) RKB: 3879	10. STATE New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>
PRACTICE TEST	<input type="checkbox"/>	PRACTICE TREATMENT	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	SHOOTING OR ACIDIZING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	(Other) Shut-in Notice	<input type="checkbox"/>
(Other)	<input type="checkbox"/>	(Note: Report results of multiple completion or well completion or recompletion tests and log tests.)	<input type="checkbox"/>

17. DESCRIBE IN BRIEF OR COMPLETED OPERATIONS (If only state all pertinent details, and give pertinent data, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface formations and measured and true vertical depths for all markers and show pertinent to this work.)

Subject well has been shut in since 5-21-75 due to expiration of sales contract. Additional testing is required to determine feasibility of installing compression facilities when weather permits. These compression facilities will be necessary after another sales contract is negotiated.

RECEIVED

JUN - 2 1976

U. S. GEOLOGICAL SURVEY
ALBUQUERQUE, NEW MEXICO

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

SIGNED H. H. Slanetz

TITLE Operations Engineer

DATE April 7, 1976

(This space for Federal or State office use)

APPROVED BY
COMMISSIONER OF LANDS

TITLE

DATE

APPROVED BY
COMMISSIONER OF LANDS

JUN 10 1976

A. L. BUEKING
ACTING DISTRICT ENGINEER

UNLESS FURTHER APPROVED WHILE UNDER
BE PUT TO
APPROVED BY
OCT 1 - 1976
*See Instructions on Reverse Side

N. M. & C. C. COM

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SURFACE STRUCTURE AND DEPOSITS ON WELLS

1. Name of well, location, and owner (if known):

2. Name of person or firm making report:

3. Date of report:

4. Name of well:

5. Name of well (if different from 4):

6. Name of well (if different from 4 and 5):

7. Name of well (if different from 4, 5, and 6):

8. Name of well (if different from 4, 5, 6, and 7):

9. Name of well (if different from 4, 5, 6, 7, and 8):

10. Check appropriate box to indicate Nature of Notice, Report, or Other Data

11. Nature of Notice, Report, or Other Data

12. Nature of Notice, Report, or Other Data

11. Nature of Notice, Report, or Other Data	12. Nature of Notice, Report, or Other Data
13. Nature of Notice, Report, or Other Data	14. Nature of Notice, Report, or Other Data
15. Nature of Notice, Report, or Other Data	16. Nature of Notice, Report, or Other Data
17. Nature of Notice, Report, or Other Data	18. Nature of Notice, Report, or Other Data
19. Nature of Notice, Report, or Other Data	20. Nature of Notice, Report, or Other Data
21. Nature of Notice, Report, or Other Data	22. Nature of Notice, Report, or Other Data
23. Nature of Notice, Report, or Other Data	24. Nature of Notice, Report, or Other Data
25. Nature of Notice, Report, or Other Data	26. Nature of Notice, Report, or Other Data
27. Nature of Notice, Report, or Other Data	28. Nature of Notice, Report, or Other Data
29. Nature of Notice, Report, or Other Data	30. Nature of Notice, Report, or Other Data
31. Nature of Notice, Report, or Other Data	32. Nature of Notice, Report, or Other Data
33. Nature of Notice, Report, or Other Data	34. Nature of Notice, Report, or Other Data
35. Nature of Notice, Report, or Other Data	36. Nature of Notice, Report, or Other Data
37. Nature of Notice, Report, or Other Data	38. Nature of Notice, Report, or Other Data
39. Nature of Notice, Report, or Other Data	40. Nature of Notice, Report, or Other Data
41. Nature of Notice, Report, or Other Data	42. Nature of Notice, Report, or Other Data
43. Nature of Notice, Report, or Other Data	44. Nature of Notice, Report, or Other Data
45. Nature of Notice, Report, or Other Data	46. Nature of Notice, Report, or Other Data
47. Nature of Notice, Report, or Other Data	48. Nature of Notice, Report, or Other Data
49. Nature of Notice, Report, or Other Data	50. Nature of Notice, Report, or Other Data
51. Nature of Notice, Report, or Other Data	52. Nature of Notice, Report, or Other Data
53. Nature of Notice, Report, or Other Data	54. Nature of Notice, Report, or Other Data
55. Nature of Notice, Report, or Other Data	56. Nature of Notice, Report, or Other Data
57. Nature of Notice, Report, or Other Data	58. Nature of Notice, Report, or Other Data
59. Nature of Notice, Report, or Other Data	60. Nature of Notice, Report, or Other Data
61. Nature of Notice, Report, or Other Data	62. Nature of Notice, Report, or Other Data
63. Nature of Notice, Report, or Other Data	64. Nature of Notice, Report, or Other Data
65. Nature of Notice, Report, or Other Data	66. Nature of Notice, Report, or Other Data
67. Nature of Notice, Report, or Other Data	68. Nature of Notice, Report, or Other Data
69. Nature of Notice, Report, or Other Data	70. Nature of Notice, Report, or Other Data
71. Nature of Notice, Report, or Other Data	72. Nature of Notice, Report, or Other Data
73. Nature of Notice, Report, or Other Data	74. Nature of Notice, Report, or Other Data
75. Nature of Notice, Report, or Other Data	76. Nature of Notice, Report, or Other Data
77. Nature of Notice, Report, or Other Data	78. Nature of Notice, Report, or Other Data
79. Nature of Notice, Report, or Other Data	80. Nature of Notice, Report, or Other Data
81. Nature of Notice, Report, or Other Data	82. Nature of Notice, Report, or Other Data
83. Nature of Notice, Report, or Other Data	84. Nature of Notice, Report, or Other Data
85. Nature of Notice, Report, or Other Data	86. Nature of Notice, Report, or Other Data
87. Nature of Notice, Report, or Other Data	88. Nature of Notice, Report, or Other Data
89. Nature of Notice, Report, or Other Data	90. Nature of Notice, Report, or Other Data
91. Nature of Notice, Report, or Other Data	92. Nature of Notice, Report, or Other Data
93. Nature of Notice, Report, or Other Data	94. Nature of Notice, Report, or Other Data
95. Nature of Notice, Report, or Other Data	96. Nature of Notice, Report, or Other Data
97. Nature of Notice, Report, or Other Data	98. Nature of Notice, Report, or Other Data
99. Nature of Notice, Report, or Other Data	100. Nature of Notice, Report, or Other Data

17. The following information is being furnished for the purpose of determining the nature of the notice, report, or other data furnished by the person or firm making the report.

Subject well has been shut in since 1-1-75 due to gas in the well and on contract. A National Petroleum Company is now operating the well and the following information is being furnished for the purpose of determining the nature of the notice, report, or other data furnished by the person or firm making the report.

APR 11 1976
U.S. GEOLOGICAL SURVEY
SANTA FE

RECEIVED
APR 12 1976
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

18. The following is a true and correct copy of the report, notice, or other data furnished by the person or firm making the report.

19. The following is a true and correct copy of the report, notice, or other data furnished by the person or firm making the report.

20. The following is a true and correct copy of the report, notice, or other data furnished by the person or firm making the report.

21. The following is a true and correct copy of the report, notice, or other data furnished by the person or firm making the report.

22. The following is a true and correct copy of the report, notice, or other data furnished by the person or firm making the report.

23. The following is a true and correct copy of the report, notice, or other data furnished by the person or firm making the report.

24. The following is a true and correct copy of the report, notice, or other data furnished by the person or firm making the report.

25. The following is a true and correct copy of the report, notice, or other data furnished by the person or firm making the report.

APPROVED
APR 12 1976
H. L. BEEKMAN
ACTING DISTRICT ENGINEER

*See Instructions on Reverse Side

1. on 12/22
2. on 12/22

5. F

Type Test		<input checked="" type="checkbox"/> Trial <input type="checkbox"/> Annual <input type="checkbox"/> Special		Date Recd. 12-3-73		DEC 5 1973	
Company The Superior Oil Company			Landowner El Paso Natural Gas Co.			Operator O. C. C.	
Field Washington Ranch			Formation Morrow			State NEW MEXICO	
Completion Date 7-28-60		Initial Flow 10,237'		Initial Pressure 7,520'		Well No. KB: 3,879'	
Tubing Size 7"		Weight 29#-26#		Set At 9,323'		Perforations From 7,452' To 7,478'	
Tubing Size 2-1/2"		Weight 6.5#		Set At 7,389'		Perforations From None To	
Type Well - Single - Threadhead - G.C. or G.O. Multiple Single				Packer Set At 7,352'		Well No. 1	
Producing This Tubing		Reservoir Temp. °F 144 @ 7,465'		Mean Annual Temp. °F 60		Baro. Press. - P _b 13.2	
L 7.389		H 7.389		G _g .572		County Eddy	
% CO ₂ - - -		% N ₂ - - -		% H ₂ S - - -		State New Mexico	
Meter Run 2.067		Flange Flange					

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
1	2.067 x 0.5			764	5.7	70	2550	70		Pkr	24 hrs.
2							781	60		-	
3											
4											
5											

RATE OF FLOW CALCULATIONS						
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Rate of Flow Q, Mcfd
1	1.189	66.78	782.2	.9905	1.322	110
2						
3						
4						
5						

NO.	η	Temp. °H	T _g	Z	Gas Liquid Hydrocarbon Ratio	Mcft/bbl
1	1.17	530	1.53	.894	---	---
2					---	---
3					---	---
4					---	---
5					---	---

NO.	P _e	P _w	I _e ²	R _e ² - R _w ²	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1	630.75	794.3	630.85	5939.15	XXXXXX	672	346
2							
3							
4							
5							

$Q = \frac{P_e^2}{P_w^2 - P_e^2} \times \frac{1.1062}{\left[\frac{P_e^2}{P_w^2 - P_e^2} \right]^n} \times \frac{1.1062}{1.1062}$		$Q = \frac{P_e^2}{P_w^2 - P_e^2} \times \frac{1.1062}{\left[\frac{P_e^2}{P_w^2 - P_e^2} \right]^n} \times \frac{1.1062}{1.1062}$	
$Q = \frac{P_e^2}{P_w^2 - P_e^2} \times \frac{1.1062}{\left[\frac{P_e^2}{P_w^2 - P_e^2} \right]^n} \times \frac{1.1062}{1.1062}$		$Q = \frac{P_e^2}{P_w^2 - P_e^2} \times \frac{1.1062}{\left[\frac{P_e^2}{P_w^2 - P_e^2} \right]^n} \times \frac{1.1062}{1.1062}$	

Actual Flow 122	Mcfd @ 15.02% 122	Angle of Slope 45°	Slope, n 1.000
------------------------	--------------------------	---------------------------	-----------------------

Remarks: **The subject well is a low capacity gas well and it is felt that a one-point test using a slope of 1.000 will adequately define the wells flow capacity.**

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
		J. C. Willner	

C-122D
64-91-63

DATE 12-6-73

Range 24-E

• • •
*H₂S_____

$$P_{cr} = \frac{T_{cr}}{T_{cr} - T_{\infty}}$$
[illegible]

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OIL CONSERVATION COMMISSION

OCT 30 1973

DRAWER DD

O. C. C.
ARTESIA, OFFICE

ARTESIA, NEW MEXICO 88210

NOTICE OF GAS CONNECTION

DATE October 23, 1973

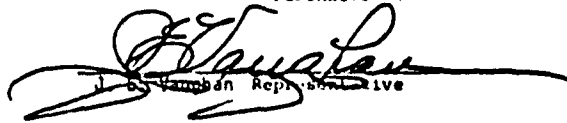
This is to notify the Oil Conservation Commission that connection for the
purchase of gas from the Superior Oil Company, Government "134" No. 1,
Operator Lease

H, 12-265-24E, Washington Ranch, El Paso Natural Gas Co.,
Well Unit S.T.R. Pool Name of Purchaser

was made on October 22, 1973.

Date of first delivery October 23, 1973.

El Paso Natural Gas Company
Purchaser


J. S. Vaughan Representative

Chief Division Engineer - Southern Division
Title

cc: To operator
Oil Conservation Commission - Santa Fe

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FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
PRODUCTION OFFICE	

**NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS**

Form O-1124
Supersedes Old O-1124 and C-1124
Effective 1-1-65

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NOV - 1973

I. OPERATOR

Operator The Superior Oil Company D. P. C.

Address P. O. Box 1900, Midland, Texas 79701

Reason(s) for filing (check proper box) Other (Please explain)

New Well ☒ Change in Transporter ☐

Recompletion ☐ Oil ☐ Dry Gas ☐

Change in Ownership ☐ Changing the ☐ ☐

If change of ownership give name and address of previous owner _____

II. DESCRIPTION OF WELL AND LEASE

Lease Name Government 134	Well No. For Name, Locating Formation 1	Well Name Washington Ranch (Morrow)	State, Federal or Fee Federal	Lease No. LC 061716
Location				
Unit Letter H	1980	Feet From The North	Line and 660	Feet From The East
Line of Section 12	Township 26-S	Range 24-E	Eddy County	

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address in which approved copy of this form is to be sent)
Name of Authorized Transporter of Gas (check box) <input checked="" type="checkbox"/>	Address (Give address in which approved copy of this form is to be sent)
El Paso Natural Gas Company	Box 1492, El Paso, Texas 79999
If well produces oil or liquids, give location of tanks.	
H 12 26-S 24-E	Yes 10-2-73

If this production is commingled with that from any other lease or pool, give commingling order number.

IV. COMPLETION DATA *Completed as shut in gas well.

Designate Type of Completion - (X)	Well No.	Lease No.	County	State	Diff. Depth
<input checked="" type="checkbox"/> * X					
Date Spudded 5-9-60	Date Compl. Ready to Prod. 7-28-60	Total Depth 10,237	P.S.T.D. 7,520		
Elevations (D.F., R.A.H., M.T., etc.) KB: 3879	Name of Producing Formation UPPER MORROW	Top of Gas Layer 7,450	Tubing Depth 7,389		
Perforations 7452'-57', 7462'-64' & 7470'-78' w/4 ISPF or total of 60 holes		Depth Casing Shoe 9,323			
TUBING, CASING, AND CEMENTING RECORD					
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT		
17-1/2"	13-3/8"	451	600 sack - circ		
12-1/4"	9-5/8"	4,663	2100 sack - circ		
8-1/2"	7"	9,323	500 sack		
2-1/2" tubing set @ 7389 w/ Lane Wells BUCI PKR set @ 7352.					

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL.

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D 62.0	Length of Test 24 Hrs	Bbls. Condensate/MMCF - - -	Gravity of Condensate - - -
Testing Method (prior, back pr.) Sales	Tubing Pressure (Shut-In) 750 (2550)	Casing Pressure (Shut-In) PKR	Choke Size 3/4"

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

J. C. Willner **J. C. Willner**
(Signature)
Petroleum Engineer
(Title)
November 1, 1973
(Date)

OIL CONSERVATION COMMISSION

APPROVED **NOV 2 1973**

BY J. C. Willner

TITLE **JUL AND GAS INSPECTOR**

This form is to be filed in compliance with RULE 1100.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 1111

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-1124 must be filed for each pool in multiply completed wells.

N. M. S. C. C. COPY

Budget Bureau No. 42-0100-1
Part Approved

Form 9-551a
(Feb. 1951)

APPROVED

(SUBMIT IN TRIPLICATE)

UNITED STATES GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

Land Office: 181

Lease No.: 05921

Date: 1

NOV 6 1963
RONNIE E. SHOOK
ACTING DISTRICT ENGINEER

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACQUIRING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACQUIRE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL UP ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

AUGUST 29, 1963

Well No. 1 Superior Federal A is located 330 ft. from [S] line and 530 ft. from [W] line of sec. 6

S. 1/4 Sec. 6 283 28E 1871
(1/4 Sec. and Sec. No.) (Top) (Range) (Meridian)
Wildcat Eddy New Mexico
(Township) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is ft.

DETAILS OF WORK

(Give names of and reported depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate casing joints, cementing points, and all other important proposed work)

Well drilled to a total depth of 1103 feet and was found dry. Well plugged 8/15/63 as follows: 72 sacks cement from 900 - 1000 feet; 72 sacks from 150 - 250 feet; 16 sacks from 0 - 20 feet. Balance hole filled with mud. Steel marker is erected. When pits are leveled notification will be sent.

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NOV 16 1963

D. C. C.
ALBUQUERQUE OFFICE

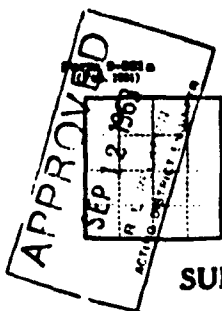
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Universal Production Service, Inc.

Address Box 943, Midland, Texas

By [Signature]

Title Agent



(SUBMIT IN TRIPPLICATE)
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-0115.0.
Form Approved.

Lead Office 104
Lease No. 05921
Unit

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SEP 16 1963

D. C. C.

ANTENNA OFFICE

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 10, 1963

Superior-Federal A
Well No. 1 is located 330 ft. from S line and 330 ft. from W line of sec. 6
24 34 Sec 6 28-3 28-4 10114
(4 Sec and Sec. No.) (Top) (Range) (Section)
Wilcoxon Tully New Mexico
(Town) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate working jobs, cementing jobs, and all other important proposed work)

8-inch casing run to a depth of 223 feet and mudded. This casing was pulled when well was plugged. Set 20 feet 10 3/4-inch casing and cemented with 20 sacks cement. Work performed on 8/15/63.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Universal Production Service, Inc.

Address Box 953, Midland, Texas

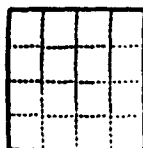
By

Title

Agent

N. M. O. C. 507

Form 5-55a
(Feb. 1951)



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 49-2084.

Form Approved. *N.M.*

Lead Office *Carlsbad*

Lease No. *05921*

Unit

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

July 17, 1963

Superior Federal A
Well No. 1 is located 330 ft. from *NE* line and 530 ft. from *NE* line of sec. 6
S4 S4 Sec. 6 26-S 25-E N1/4
(S. and Sec. No.) (Twp.) (Range) (Section)
WILDCAT Eddy New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is _____ ft.

DETAILS OF WORK

(Give names of and reported depths to objective sands, show sizes, weights, and lengths of proposed casings, indicate casing jobs, cementing points, and all other important proposed work.)

We propose to drill to a total depth of approximately 1100 feet with Cable Tools, and complete in the Delaware formation. The casing program will be as follows:
10 3/4-inch 32#, 11-40 surface casing to be set 330 feet and cemented with 10 sacks. Cement will be circulated to surface. 4 1/2-inch 11.6#, 1-55 casing set 811 feet 6 cemented with 225 sacks cement. Cement will be circulated to surface on 4 1/2-inch string.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company *Universal Production Service, Inc.*

Address *Box 953, Midland, Texas*

By *[Signature]*

Title *Agent*

RECEIVED
JUL 26 1963
D. C. C.
ARTERIA OFFICE

NAME	
ADDRESS	
CITY	
STATE	
ZIP	
DATE	
TIME	
LOCATION	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT
 SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

FORM C-128
 Revised 5/1/57

SECTION A					
Operator Universal Production Service, Inc.			Lease Superior-Federal A		Well No. 1
Unit Letter M	Section 6	Township 26-S	Range 26-E	County Eddy	
Actual Footage Location of Well: 530 feet from the West line and 330 feet from the South line					
Ground Level Elev.	Producing Formation Delaware	Pool Wildcat	Dedicated Acreage: 40 Acres		

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES X NO ____ . ("Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (63-)-29 (e) NMSA 1955 Comp.)
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES ____ NO ____ . If answer is "yes," Type of Consolidation ____
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Land Description

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JUL 26 1963

SECTION B			

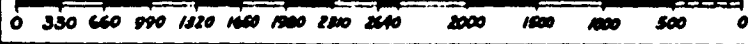
CERTIFICATE
ANTHONY

I hereby certify that the information in SECTION A above is true and complete to the best of my knowledge and belief.

Name Anthony
Position Agent
Company Universal Production Service, Inc.
Date July 17, 1963

I hereby certify that the well location shown on the plat in SECTION B was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed 7-12-1963
Registered Professional Engineer and/or Land Surveyor [Signature]
Certificate No. 1657



EDDY COUNTY

NEW MEXICO

WILDCAT

Well: UNIVERSAL PROD. SERVICE, INC. #1-A Superior-Federal Result: DSA
Loc'n: S/part county, 26 mi SW/Loving; Sec 6-26S-25E, 330' FSL 530' FWL Sec; 1 1/4 mi SE of
889' dry hole, no nearby roads.

Spud: 7-29-63; Comp: 8-17-63; Elev: 3832' DF; TD: 1102'

Casing: 8" 222

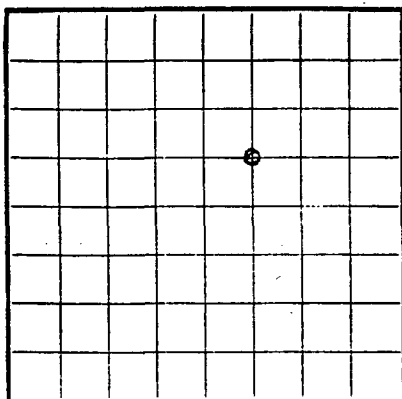
Comp. Info: No cores or tests. C/Sindorf Drig. Co.

Top: (EL) Dela. II, 935, Dela. sd. 995'.

The Standard
OIL REPORTS

Date: 9-24-63

Card No.: 7 NM ds



LOCATE WELL CORRECTLY

Copy to: Roswell
111000(2)

U. S. LAND OFFICE

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT

11-013528

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JAN 20 1961
D. C. C.
ARTESIA, OFFICE

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Gulf Oil Corporation Address Box 2167, Hobbs, New Mexico
 Lessor or Tract Federal Kelly A Option Field Wildcat State New Mexico
 Well No. 1 Sec. 30 T25-S R. 25-E Meridian NMP County Eddy
 Location 1980 ft. N of N Line and 1980 ft. E of E Line of Sec. 30-25-25 Elevation 3679
 (Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed _____

Date January 11, 1961Title Area Production Manager

The summary on this page is for the condition of the well at above date.

Commenced drilling Sept. 28, 1960 Finished drilling January 2, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from None to _____ No. 4, from _____ to _____
 No. 2, from _____ to _____ No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
 No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
13-3/8"	430'			600					Surface Pipe
9-5/8"	6189'			1300					Intermediate

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8"	430'	600	Pump & Plug		
9-5/8"	6189'	1300			

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size _____

FOLD | MARK

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing _____, 19____
 The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____%
 emulsion; _____% water; and _____% sediment. _____ Gravity, °Bé. _____
 If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
 Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller
 _____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	23'		Distance from top Kelly Drive Bushing to Ground
	78		Caliche Ca
	1676		Lime
	3608		Lime & Sand
	4138		Lime
	5044		Lime & Sand
	5091		Shale
	5167		Lime
	5485		Lime & Shale
	5559		Lime
	5692		Lime & Sand
	5795		Lime & Chert
	6168		Lime
	6190		Lime & Chert
	6366		Lime
	7467		Lime & Chert
	7557		Lime & Shale
	7629		Lime
	7663		Lime & Shale
	7799		Lime & Sand
	7822		Lime & Shale
	7847		Lime
	7866		Lime & Shale
	7878		Lime, Shale & Sand
	7894		Sand
	7901		Lime & Shale

(OVER)

16-48094-1

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JAN 1961

D. C. C.
ARTESIA, OFFICE

[illegible]

STATE OF TEXAS

RECORDING THE DEEDS AND MORTGAGES

HISTORY OF OIL OR GAS WELL

16-43004-2 U. S. GOVERNMENT PRINTING OFFICE

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

Completed dry. Plugged & abandoned 1-6-61.

CASING RECORD

100' from to 100' from
100' from to 100' from

IMPORTANT WATER SANDS

100' from to 100' from
100' from to 100' from
100' from to 100' from

OIL OR GAS SANDS OR ZONES

Continued drilling to 100' Finished drilling to 100'

The following is a list of the sands or zones of the well as shown on the log.

The following is a list of the sands or zones of the well as shown on the log.

Signed

The following is a list of the sands or zones of the well as shown on the log.

The information given here is for the use of the well and is not to be used for any other purpose.

100' from to 100' from 100' from to 100' from

100' from to 100' from 100' from to 100' from

100' from to 100' from 100' from to 100' from

100' from to 100' from 100' from to 100' from

100' from to 100' from 100' from to 100' from

RECORDING THE DEEDS AND MORTGAGES

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

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Form 9-221a
(Feb. 1951)

1			

(SUBMIT IN TRIPPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau 42-2222
Approval expires 12-31-55

Lead Office **Los Cruces**

Lease No. **061716**

Unit

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF.....
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

January 13, 1956, 19

Well No. **3** is located **330** ft. from **[N]** line and **330** ft. from **[E]** line of sec. **2**

Elmwood **Sec. 1** **263** **242**
(Twp. and Sec. No.) (Range) (Meridian)
Elmwood **544**
(Twp.) (Range or Subdivision)

The elevation of the derrick floor above sea level is **3730** ft.

DETAILS OF WORK

(State names of and reported depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudlogging jobs, cementing points, and all other important proposed work)

It is planned to drill a 10" cable tool hole to a depth of approximately 75', at which point 75' of 9-5/8" casing will be set as a conductor string. 3" hole will then be drilled to test the top of the Delaware sand, expected to be approximately 900-1000'. If well is dry, it will be plugged in conformance with U.S.G.S. regulations. If oil is found, 7" or 5 1/2" casing will be cemented on top of the pay as a production string.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **G. C. Weaver**

Address **Box 1014**

Coronado, New Mexico

G. C. Weaver By

Title

EDDY COUNTY NEW MEXICO WILDCAT
Well: G. C. WEAVER #3 Smith
Loc: Result: DLA

1-263-24E, 330' FWL 330' FWL of See, SW/part of county,
8 mi S. White City.

Brnd: 1-12-56; Comp: 3-9-56; Elev: Not Available; TD: 899' sd
Casing: 8 5/8" 76', 5" 700'
Pie Zone: None
IP: None
Comp Info: Not Available
Tous: Not Available

L. R. L.
OIL REPORTS

Date: 5-23-56

Card No: 10 181 pf