

HINKLE, COX, EATON, COFFIELD & HENSLEY

LEWIS C. COX
PAUL W. EATON
CONRAD E. COFFIELD
HAROLD L. HENSLEY, JR.
STUART D. SHANOR
ERIC D. LANPHERE
C. D. MARTIN
PAUL J. KELLY, JR.
ROBERT P. TINNIN, JR.
MARSHALL G. MARTIN
OWEN M. LOPEZ
DOUGLAS L. LUNSFORD
JOHN J. KELLY
NICHOLAS J. NOEDING
T. CALDER EZZELL, JR.
WILLIAM B. BURFORD*
RICHARD E. OLSON
RICHARD R. WILFONG*
THOMAS J. MCBRIDE
STEVEN D. ARNOLD
JAMES J. WECHSLER
NANCY S. CUSACK
JEFFREY L. FORNACIARI
JEFFREY D. HEWITT
JAMES BRUCE
JERRY F. SHACKELFORD*
JEFFREY W. HELLBERG*
ALBERT L. PITTS
THOMAS M. HNASKO
JOHN C. CHAMBERS*
GARY D. COMPTON*
MICHAEL A. GROSS
THOMAS D. HAINES, JR.
GREGORY J. NIBERT
DAVID T. MARKETTE*
MARK C. DOW

KAREN M. RICHARDSON*
FRED W. SCHWENDIMANN
JAMES M. HUDSON
JEFFREY S. BAIRD*
MACDONNELL GORDON
REBECCA NICHOLS JOHNSON
WILLIAM P. JOHNSON
STANLEY K. KOTOVSKY, JR.
H. R. THOMAS
KARA L. KELLOGG

BETTY H. LITTLE*
RUTH S. MUSGRAVE
ELLEN S. CASEY
S. BARRY PAISNER
MARGARET CARTER LUDEWIG
STEPHEN M. CRAMPTON
MARTIN MEYERS
GREGORY S. WHEELER
ANDREW J. CLOUTIER
JAMES A. GILLESPIE
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JOHN R. KULSETH, JR.
MARGARET R. MCNETT
BRIAN T. CARTWRIGHT*
LISA K. SMITH*
JAMES KENT SCHUSTER*
ROBERT H. BETHEA*
BRADLEY W. HOWARD
CHARLES A. SUTTON*
NORMAN D. EWART
DARREN T. GROCE*
MOLLY MCINTOSH

ATTORNEYS AT LAW
700 UNITED BANK PLAZA
POST OFFICE BOX 10
ROSSELL, NEW MEXICO 88202
(505) 622-6510
FAX (505) 623-9332

CLARENCE E. HINKLE (1901-1985)
W. E. BONDURANT, JR. (1913-1973)
ROY C. SNODGRASS, JR. (1914-1987)

OF COUNSEL
O. M. CALHOUN*
MACK EASLEY
JOE W. WOOD
RICHARD S. MORRIS

WASHINGTON, D.C.
SPECIAL COUNSEL
ALAN J. STATMAN

2800 CLAYDESTA CENTER
6 DESTA DRIVE
POST OFFICE BOX 3580
MIDLAND, TEXAS 79702
(915) 683-4691
FAX (915) 683-6518

1700 TEAM BANK BUILDING
POST OFFICE BOX 9238
AMARILLO, TEXAS 79105
(806) 372-5569
FAX (806) 372-9761

218 MONTEZUMA
POST OFFICE BOX 2068
SANTA FE, NEW MEXICO 87504
(505) 982-4554
FAX (505) 982-8623

500 MARQUETTE N.W., SUITE 800
POST OFFICE BOX 2043
ALBUQUERQUE, NEW MEXICO 87103
(505) 768-1500
FAX (505) 768-1529

March 17, 1993

10718

*NOT LICENSED IN NEW MEXICO

VIA FEDERAL EXPRESS

New Mexico Oil Conservation Division
310 Old Santa Fe Trail
Santa Fe, New Mexico 87501

ATTENTION: Florene Davidson

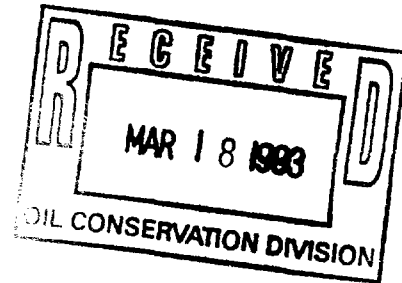
Dear Florene:

Please find enclosed three copies of an Application for an unorthodox wildcat oil well location in Chaves County, New Mexico. The unorthodox location is sought for geologic rather than topographical reasons, and therefore the matter will need to be set for hearing. As the Application indicates, there are no offset operators other than the applicant so no notice is required under Rule 104(F). Please proceed to have the matter advertised so that we may get the earliest possible hearing date. Thanking you in advance for your consideration, I remain,

Yours very truly,

HINKLE, COX, EATON, COFFIELD & HENSLEY

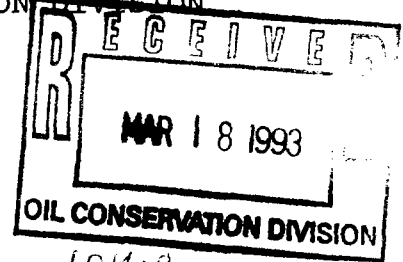
T. Calder Ezzell, Jr.
T. Calder Ezzell, Jr.



TCE/tw
Enclosures

BEFORE THE NEW MEXICO OIL CONSERVATION DIVISION

APPLICATION OF S & J OPERATING
COMPANY FOR AN UNORTHODOX OIL
WELL LOCATION, CHAVES COUNTY,
NEW MEXICO



No. 10418

APPLICATION

S & J Operating company hereby makes application for an order approving an unorthodox oil well location, and in support thereof states:

1. Applicant is an interest owner and has the right to drill a well in the SW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 29, Township 11 South, Range 28, East, N.M.P.M., Chaves County, New Mexico.

2. Applicant proposes to drill its L.E. Ranch No. 1 Well at an unorthodox location 566 feet from the South line and 15 feet from the West line of Section 29, to a depth sufficient to test the Fusselman Formation (approximately 7,400 feet). A copy of the Form C-102 Well Location and Acreage Dedication Plat is attached hereto as Exhibit "A".

3. The Applicant and its principal partner, Patton Exploration, Inc. are the owners of the oil and gas leases covering 100% of the mineral estate relative to each and every offsetting proration or spacing unit, and therefore, no notice of this application is required to be given to offset operators pursuant to Rule 104 F IV. The plat attached hereto and marked as Exhibit "B" identifies the proration unit for which the

unorthodox wildcat oil well location is requested, as well as the offsetting proration units currently under lease to the Applicant and its partners.

4. Approval of the application for unorthodox wildcat oil well location will be in the interest of conservation, the prevention of waste and the protection of correlative rights.

5. Applicant's request for an unorthodox oil well location is a result of geological data, and as a result the matter must be set for hearing before the Division.

WHEREFORE, S & J Operating Company requests that this Application be set for hearing before the division at the earliest practical date and that the division enter its order approving the unorthodox location.

DATED: March 10, 1993.

Respectfully submitted,

HINKLE, COX, EATON, COFFIELD & HENSLEY

By: 

T. Calder Ezzell, Jr.
P. O. Box 10
Roswell, New Mexico 88202
(505) 622-6510

ATTORNEYS FOR APPLICANT

State Lease - 4 copies
Fee Lease - 3 copies

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator S & J OPERATING COMPANY			Lease L. E. Ranch		Well No. 1
Unit Letter M	Section 29	Township 11 South	Range 28 East	County Chaves	
Actual Footage Location of Well: 566 feet from the South line and 15 feet from the West line					
Ground level Elev. 3734.91	Producing Formation		Pool	Dedicated Acreage: 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 interest 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 interest, has been approved by the Division.

OPERATOR CERTIFICATION

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

Signature _____

Printed Name _____

Position _____

Company _____

Date _____

SURVEYOR CERTIFICATION

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.

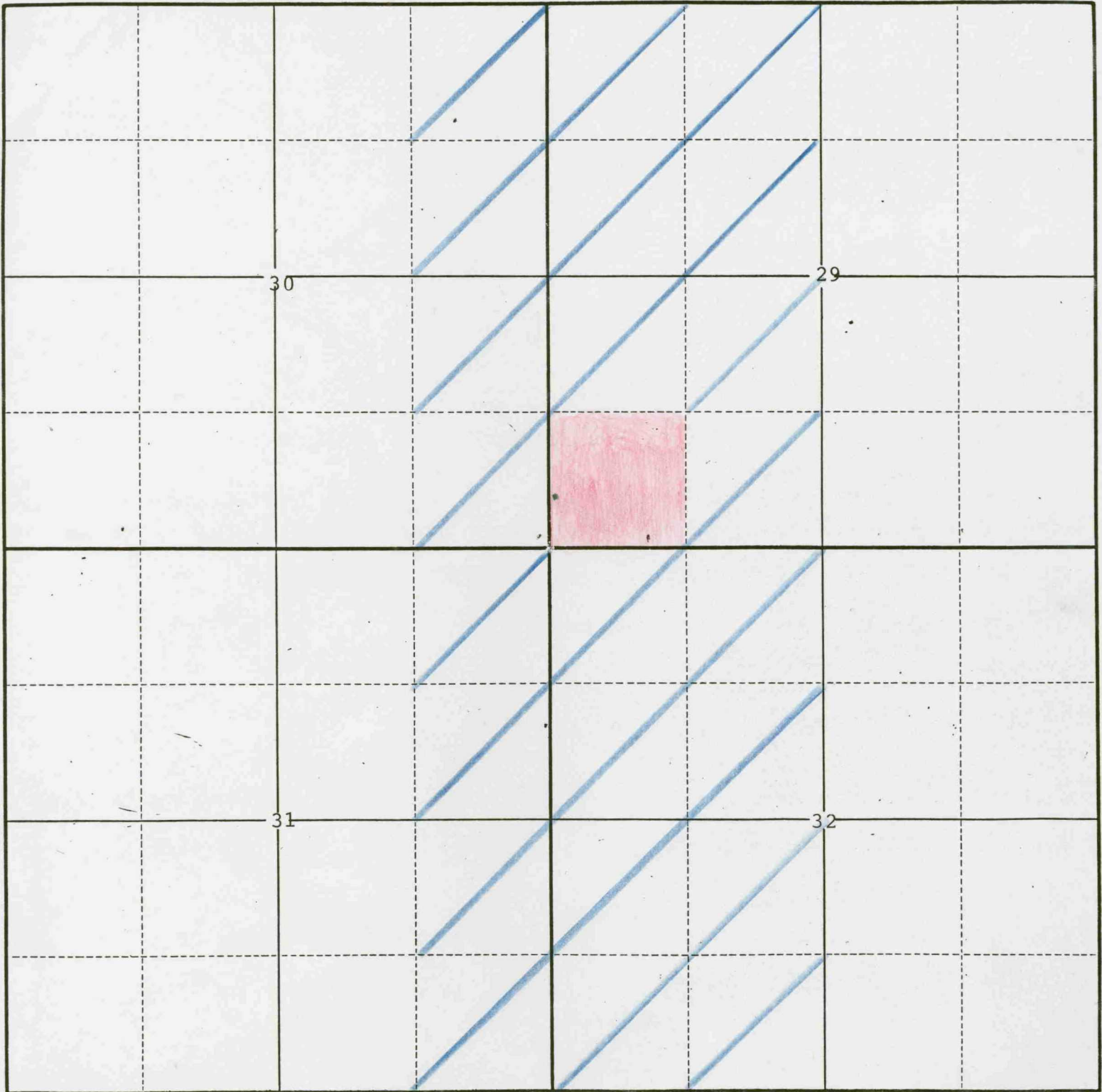
Date Surveyed **January 28, 1993**

Signature & Seal of Professional Surveyor **R. E. Patton**

Certificate No. **8112**

EXHIBIT "B"

Township 11 South, Range 28 East, County Chaves, State N.M.

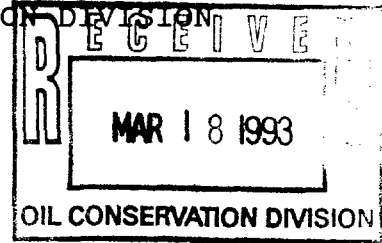


FORM 45

Proration Unit for Proposed Well - Red

Leasehold Estate Held by Applicant - Blue

BEFORE THE NEW MEXICO OIL CONSERVATION DIVISION



APPLICATION OF S & J OPERATING
COMPANY FOR AN UNORTHODOX OIL
WELL LOCATION, CHAVES COUNTY,
NEW MEXICO

No. 10718

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3. The Applicant and its principal partner, Patton Exploration, Inc. are the owners of the oil and gas leases covering 100% of the mineral estate relative to each and every offsetting proration or spacing unit, and therefore, no notice of this application is required to be given to offset operators pursuant to Rule 104 F IV. The plat attached hereto and marked as Exhibit "B" identifies the proration unit for which the

unorthodox wildcat oil well location is requested, as well as the offsetting proration units currently under lease to the Applicant and its partners.

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DATED: March 10, 1993.

Respectfully submitted,

HINKLE, COX, EATON, COFFIELD & HENSLEY

By: _____


T. Calder Ezzell, Jr.
P. O. Box 10
Roswell, New Mexico 88202
(505) 622-6510

ATTORNEYS FOR APPLICANT

State Lease - 4 copies
Fee Lease - 3 copies

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

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OPERATOR CERTIFICATION

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

Signature _____

Printed Name _____

Position _____

Company _____

Date _____

SURVEYOR CERTIFICATION

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.

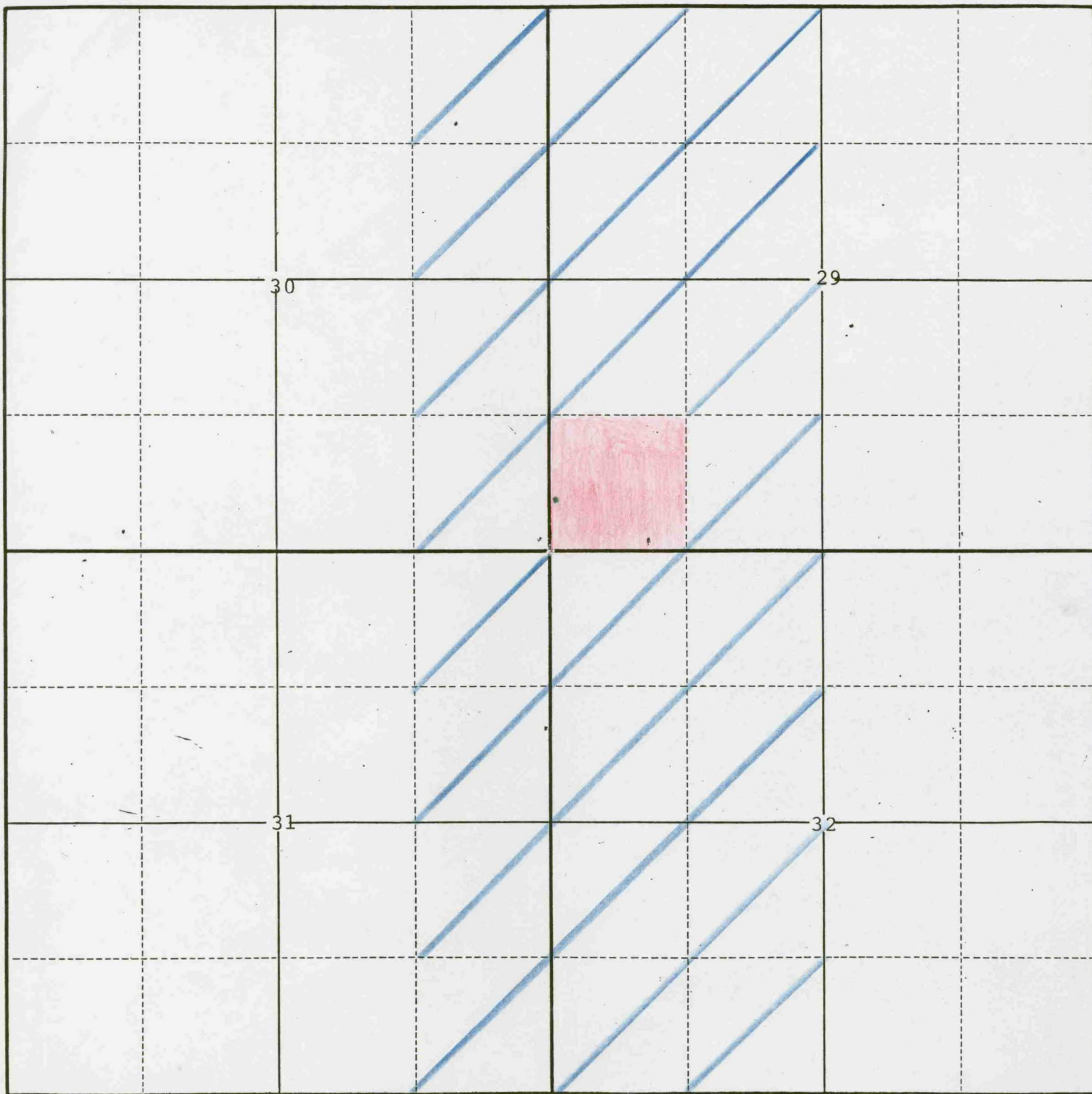
Date Surveyed January 28, 1993

Signature & Seal of Professional Surveyor [Signature]

Certificate No. 8112

EXHIBIT "B"

Township 11 South, Range 28 East, County Chaves, State N.M.



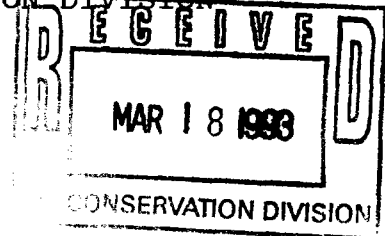
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Fee Lease - 3 copies

OIL CONSERVATION DIVISION

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Santa Fe, New Mexico 87504-2088

DISTRICT I

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DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

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566' ← 15'

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

OPERATOR CERTIFICATION

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

Signature

Printed Name

Position

Company

Date

SURVEYOR CERTIFICATION

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

January 28, 1993
Signature & Seal of Professional Surveyor

Certificate No.

8112

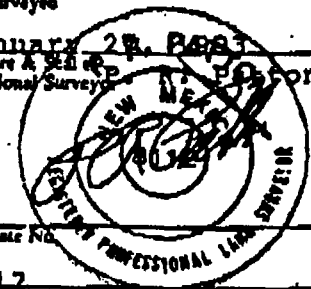
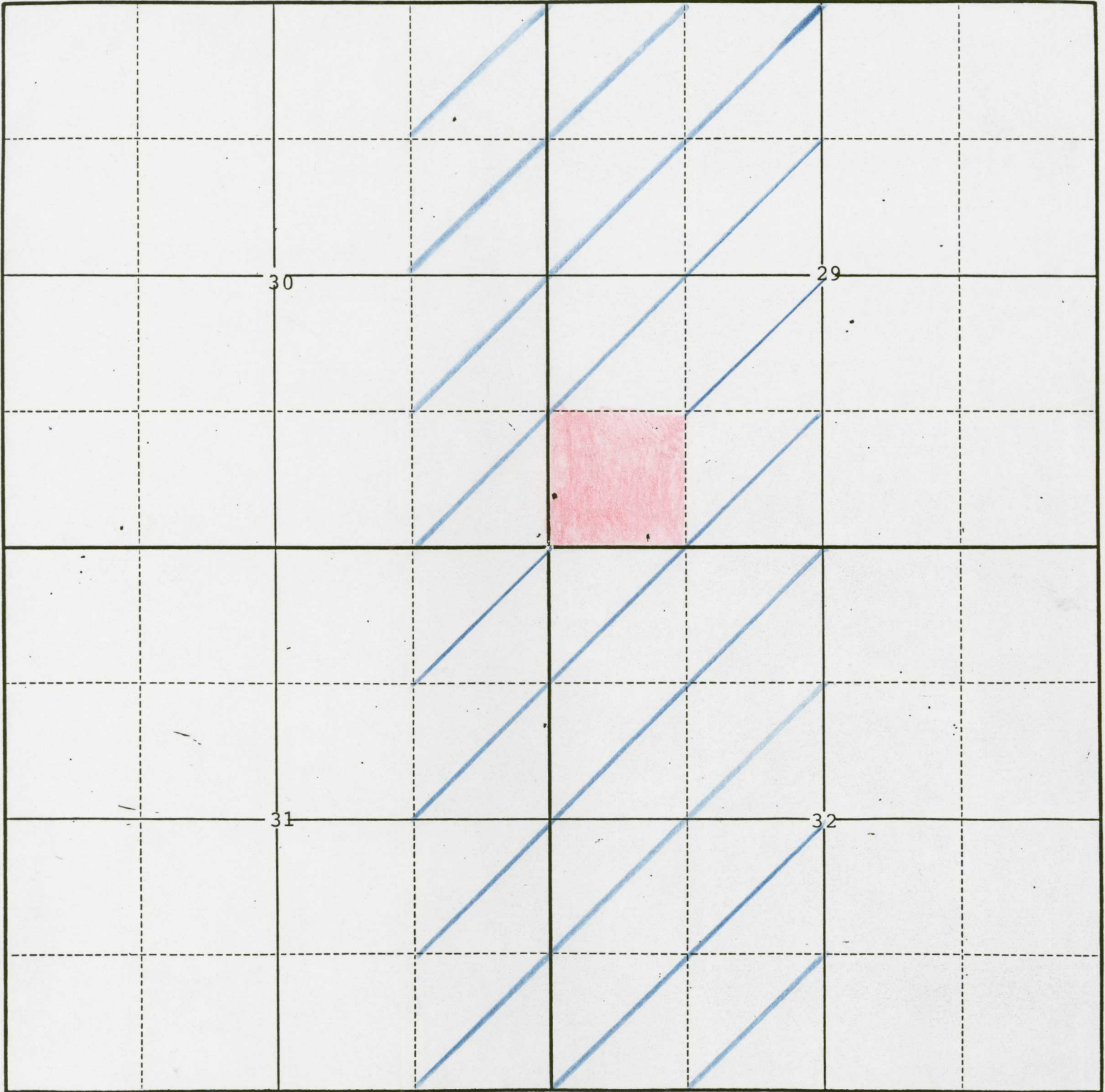


EXHIBIT "B"

Township 11 South, Range 28 East, County Chaves, State N.M.



FORM 45

Proration Unit for Proposed Well - Red

Leasehold Estate Held by Applicant - Blue

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

Form C-105
Revised 1-1-89

90 DEC 12 AM 9

NOV 27 '90

WELL API NO.

30-005-62734

5. Indicate Type of Lease

STATE ☐

FEE ☒

6. State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:

OIL WELL ☒

GAS WELL ☐

DRY ☐

OTHER ☐

ARTESIA, OFFICE

b. Type of Completion:

NEW WELL ☒

WORK OVER ☒

DEEPEN ☐

PLUG BACK ☒

DIFF RESVR ☐

OTHER ☐

7. Lease Name or Unit Agreement Name

Mesquite Tank

2. Name of Operator

Fred Pool Drilling, Inc. ✓

8. Well No.

1

3. Address of Operator

P.O. Box 1393, Roswell, N.M. 88201

9. Pool name or Wildcat

W C

SAN ANDRES

4. Well Location

Unit Letter M : 660 Feet From The FSL Line and 660 Feet From The West Line

Section 29 Township 11S Range 28E NMPM Chaves County

10. Date Spudded

12-14-89

11. Date T.D. Reached

1-15-90

12. Date Compl. (Ready to Prod.)

11-20-90

13. Elevations (DF& RKB, RT, GR, etc.)

3729 Gr

14. Elev. Casinghead

3929

15. Total Depth

2384 7375

16. Plug Back T.D.

2318

17. If Multiple Compl. How Many Zones?

18. Intervals Drilled By

Rotary Tools

X

Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name

2217-2297 San Andres

20. Was Directional Survey Made

NO

21. Type Electric and Other Logs Run

22. Was Well Cored

NO

23.

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24#	2389	12 1/4	1200 sx Hal lite	circ

24.

LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8	2198	-0-

25. TUBING RECORD

26. Perforation record (interval, size, and number)

2217-2297 16 holes

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

DEPTH INTERVAL

AMOUNT AND KIND MATERIAL USED

2217-2297

6000 gals, 28% acid

28.

PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)					Well Status (Prod. or Shut-in)	
11-11-90	1 1/2 x 2 pump					Producing	
Date of Test	Hours Tested	Choke Size	Prod n For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
11-14-90	24 hrs	-0-		3	5	17	
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)	
20#	20#		3	5	17	23	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

flared

Test Witnessed By

Fred Pool, Jr.

30. List Attachments

31. 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

Signature

Fred Pool, Jr.

Printed Name

Fred Pool, Jr.

Title President

Date 11-2-90

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity 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 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate 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. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates 357	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers 466	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen 1034	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres 1573	T. Simpson _____	T. Gallup _____	T. Ignacio Otzte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Delaware Sand _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Bone Springs _____	T. Entrada _____	T. _____
T. Abo _____	T. _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn _____	T. _____	T. Permain _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from.....2217.....to.....2297.....
 No. 2, from.....to.....
 No. 3, from.....to.....
 No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology	From	To	Thickness in Feet	Lithology
0	357	357	red bed				
357	466	109	sand , shale				
466	1034	677	sand				
1034	1573	539	silt, sand				
1573	4275	2702	lime				

Submit to Appropriate
District Office

State Lease - 6 copies

Fee Lease - 5 copies

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State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-105

Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

RECEIVED

APR 2 '90

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30-005-62734

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FEE ☒

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GAS WELL ☐

DRY ☐

OTHER ☐

ARTESIA, OFFICE

b. Type of Completion:

NEW
WELL ☒

WORK
OVER ☐

DEEPEN ☐

PLUG
BACK ☐

DIFF
RESVR ☐

OTHER ☐

7. Lease Name or Unit Agreement Name

Mesquite Tank

2. Name of Operator

Fred Pool drilling, Inc. ✓

8. Well No.

1

3. Address of Operator

P.O. Box 1393, Roswell, N.M. 88201

9. Pool name or Wildcat

WC - Devoian

4. Well Location

Unit Letter M : 660 Feet From The South Line and 660 Feet From The West Line

Section 29

Township 11S

Range 28E

NMPM

Chaves

County

10. Date Spudded

12-17-89

11. Date T.D. Reached

1-15-90

12. Date Compl. (Ready to Prod.)

3-20-90

13. Elevations (DF & RKB, RT, GR, etc.)

Gr 3729'

14. Elev. Casinghead

3729

15. Total Depth

7375'

16. Plug Back T.D.

7326

17. If Multiple Compl. How Many Zones?

No

18. Intervals Drilled By

Rotary Tools

Cable Tools

X

19. Producing Interval(s), of this completion - Top, Bottom, Name

7286-88

5shots

Fusselman

20. Was Directional Survey Made

No

21. Type Electric and Other Logs Run

CNL-FDC; DLL-MSFS

22. Was Well Cored

No

23.

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24#	2389	12 1/2	1200 sx Hal Lite	circ.
5 1/2	17#	7375'	7 7/8	600 sx 50/50 POZ	circ.

24.

LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25.

TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 3/8	7242	No

26. Perforation record (interval, size, and number)

7286-88

5 shots

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

DEPTH INTERVAL

AMOUNT AND KIND MATERIAL USED

7286-88

1000 gal. 15% acid

28.

PRODUCTION

Date First Production 3-29-90		Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping 24 x 1 3/4 x 2 1/2				Well Status (Prod. or Shut-in) Producing	
Date of Test 3-29-90	Hours Tested 24	Choke Size NA	Prod'n For Test Period	Oil - Bbl. 52	Gas - MCF 5	Water - Bbl. 96	Gas - Oil Ratio 96
Flow Tubing Press. NA	Casing Pressure 30	Calculated 24- Hour Rate	Oil - Bbl. 52	Gas - MCF 5	Water - Bbl. 96	Oil Gravity - API - (Corr.) 45	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

vented

Test Witnessed By

Fred Pool, III

30. List Attachments

logs, Dev. Survey

31. 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

Signature

Fred Pool

Printed

Name

Penta Pool

Title Vice President Date 4-2-90

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity 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 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate 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

T. Anhy _____
 T. Salt _____
 B. Salt _____
 T. Yates 357
 T. 7 Rivers 466
 T. Queen 1034
 T. Grayburg _____
 T. San Andres 1573
 T. Glorieta _____
 T. Paddock _____
 T. Blinbry _____
 T. Tubb 4275
 T. Drinkard _____
 T. Abo 5071
 T. Wolfcamp 5927
 T. Penn _____
 T. Cisco (Bough C) _____

T. Canyon _____
 T. Strawn _____
 T. Atoka _____
 T. Miss 6956
 T. Devonian 7285
 T. Silurian _____
 T. Montoya _____
 T. Simpson _____
 T. McKee _____
 T. Ellenburger _____
 T. Gr. Wash _____
 T. Delaware Sand _____
 T. Bone Springs _____
 T. _____
 T. _____
 T. _____

Northwestern New Mexico

T. Ojo Alamo _____
 T. Kirtland-Fruitland _____
 T. Pictured Cliffs _____
 T. Cliff House _____
 T. Menefee _____
 T. Point Lookout _____
 T. Mancos _____
 T. Gallup _____
 Base Greenhorn _____
 T. Dakota _____
 T. Morrison _____
 T. Todilto _____
 T. Entrada _____
 T. Wingate _____
 T. Chinle _____
 T. Permian _____
 T. Penn "A" _____

T. Penn. "B" _____
 T. Penn. "C" _____
 T. Penn. "D" _____
 T. Leadville _____
 T. Madison _____
 T. Elbert _____
 T. McCracken _____
 T. Ignacio Otzte _____
 T. Granite _____
 T. _____
 T. _____
 T. _____
 T. _____
 T. _____
 T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from 7286 to 7288
 No. 2, from _____ to _____
 No. 3, from _____ to _____
 No. 4, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from none to _____ feet
 No. 2, from _____ to _____ feet
 No. 3, from _____ to _____ feet

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology	From	To	Thickness in Feet	Lithology
0	357	357	red bed				
357	466	109	sand, shale				
466	1034	677	sand				
1034	1573	539	silt, sand				
1573	4275	2702	lime				
4275	5071	796	sand				
5071	5927	856	shale				
5927	6956	1029	lime				
6956	7285	319	dolomite, TD				

[illegible]