

MARSHALL Pipe & Supply Company

Drilling

Producing

13423 FORESTWAY DRIVE
DALLAS, TEXAS 75240

(214) 239-7284

July 5th, 1989

J. W. Marshall
Dallas, Texas
RESIDENCE
(214) 233-7881

RECEIVED

JUL - 7 1989

OIL CONSERVATION DIV.
SANTA FE

Claver

Mr. W. J. LeMay
State of New Mexico
Energy and Minerals Department
Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87504

MORRISON #1
Re: Non-Standard Location
N/2 Section 22, T2S, R29E
Roosevelt County, New Mexico
750' from North and 750' from East
MORRISON #1 LEASE.

Dear Mr. LeMay:

We are enclosing the following:

Letter of Explanation regarding Non-Standard Location
Form C-101, 5 copies
Form C-102, 3 copies
Diagram of Blowout Preventer, 5 copies
Our State of New Mexico, \$ 50,000.00 Blanket Plugging Bond
is in your files
Dana-Harkey & Associates' Seismic Map on Pre-Cambrian
and letter discussing Geological Conditions
Nicor Exploration, David Nelson's letter discussing
geological conditions, and smaller copy of Pre-Cambrian Map
Two maps showing that all offsetting acreage is under the
same ownership
Waiver Letter from Marshall Pipe & Supply Company, as offset
Operator to N/2 Section 22, T2S, R29E, Roosevelt County,
New Mexico
Plat showing control for Pennsylvanian Formation

If you have any questions, please do not hesitate to call us
collect.

Very truly yours,

MARSHALL PIPE & SUPPLY COMPANY

J. W. Marshall
J. W. Marshall

JWM;vlj

encl:

cc: Oil Conservation Division
P.O. Box 1980
Hobbs, New Mexico 88341-1980

7/25/89

*Talked w/ Virginia about this
filing, is submitted
an amended filing w/
a 750'x100' FEL location.*

J. W. S.

MARSHALL Pipe & Supply Company

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13423 FORESTWAY DRIVE

DALLAS, TEXAS 75240

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RESIDENCE
(214) 233-7881

July 5th, 1989

Mr. W. J. LeMay
State of New Mexico
Energy and Minerals Department
Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87504

MORRISON #1
Re: Non-Standard Location
N/2 Section 22, T2S, R29E
Roosevelt County, New Mexico
750' from North and 750' from East
MORRISON #1 LEASE.

Dear Mr. LeMay:

In regard to the above Non-Standard Location for our MORRISON #1, this is to advise that on July 23rd, 1987, the Oil Conservation Division issued a permit for our Speight #1, Non-Standard Location, Order #NSL-2360 located 1400' from South line and 1280' from East Line in the South half of Section 22, T2S, R29E.

As Mr. W. J. Harkey's letter to Marshall Pipe & Supply Company, dated June 24th, 1987, and Mr. David L. Nelson (Nicor Exploration)'s letter to W. J. LeMay, dated June 29th, 1987, describe the structure and fault running Southwest to Northeast across Section 22, we are enclosing copies of both letters with this application for our Morrison #1 in the N/2 of Section 22. The difference in the Northeast location in the N/2 of 22 and the Southeast location located in the S/2 of 22 is we will be drilling the downthrow side of the fault, which shows closures in the Northeast corner of Section 22 and if we drill a regular location 660' from the short side and 1980' from the long side the 1980' West of the East line would greatly increase geologic risk for the success of this well.

In conclusion, our application for and the granting of the Non-Standard Location 750' from the North Line and 750' from the East line of Section 22 is of major geologic importance to the success of a well drilled in the Northeast 1/4th of Section 22, and the maximum eventual exploitation of the reserves in this area.

Very truly yours,

MARSHALL PIPE & SUPPLY COMPANY

J. W. Marshall

JWM:vlj

cc: Oil Conservation Division
P.O. Box 1980
Hobbs, New Mexico 88341-1980

MARSHALL Pipe & Supply Company

Drilling

Producing

J. W. Marshall
Dallas, Texas
RESIDENCE
(214) 233-7881

13423 FORESTWAY DRIVE
DALLAS, TEXAS 75240
(214) 239-7284

July 31st, 1989

ADDRESS FOR FEDERAL EXPRESS

State of New Mexico
Energy and Minerals Dept.,
Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87504

Oil Conservation Division
State Land Office Bldg.,
310 Old Santa Fe Trail
Room 206
Santa Fe, New Mexico 87501

Attention: Mike Stogner, Please

Re: Morrison #1
N/2 Section 22, T2S, R29E
Roosevelt County, New Mexico

Dear Mike:


As per our telephone conversation with you regarding this location on July 25th, 1989, and to save the time and expense of a Hearing for this Non-Standard-Location, we have restaked the Morrison #1 750' from the North Line and 990' from the East Line of the Morrison Lease.

We enclose Amended Form C-101, and New Form C-102. Please place these forms with our other data forwarded to you on July 6th, 1989 and place in line for Approval of this Application.

Thanking you, and awaiting an early reply, we are,

Very truly yours,

MARSHALL PIPE & SUPPLY COMPANY


J. W. Marshall
JWM;vlj

encl:

cc: Oil Conservation Division
P.O. Box 1980
Hobbs, New Mexico 88341-1980

Form C-101 = 5 copies
Form C-102 = 3 copies

cc: Working Interest Owners

RUSHED BY FEDERAL EXPRESS

Submit to Appropriate District Office
State Lease - 4 copies
Fee Lease - 3 copies

DISTRICT I
P.O. Box 1960, Hobbs, NM 88240

DISTRICT II
P.O. Box 1960, Lordsburg, NM 88301

DISTRICT III
1000 Rio Bravo Rd., Alamogordo, NM 87101

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-101
Revised 1-1-89

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-101
Revised 1-1-89

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. Type of Well: ☒ DRILL ☐ RE-ENTER ☐ DEEPEN ☐ PLUG BACK

2. Name of Operator: MARSHALL PIPE & SUPPLY COMPANY

3. Address of Operator: 13423 Forestry Dr., Dallas, Texas 75240

4. Well Location: A 750 Feet from the North Line and 990 Feet from the East Line

5. Lease Name or Unit Agreement Name: MORRISON

6. State Oil & Gas Lease No.:

7. Pool Name or Unit Agreement Name:

8. Well No. 1

9. Pool Name or Unit Agreement Name: Tule-Pennsylvanian, and Tule-Montoya

10. Proposed Depth: 7500

11. Formation: Precambrian

12. Rotary or C.I.:

13. Direction (Show whether Dr., Kt., or, etc.): 4342 GL

14. Kind & Size of Plug Back: 15. Drilling Contractor: 16. Approx. Date Work will start: 17. Statewide

18. Proposed Casing and Cement Program

19. Size of Hole: 17-1/2" 13-3/8" 48# 300 2150 250 Sacks 6100

20. Size of Casing: 11" 8-5/8" 24# 2150 250 Sacks 6100

21. Size of Hole: 7-7/8" 5-1/2" 17# 7300 250 Sacks 6100

22. Size of Casing: 7-7/8" 5-1/2" 17# 7300 250 Sacks 6100

23. Size of Hole: 7-7/8" 5-1/2" 17# 7300 250 Sacks 6100

24. Size of Casing: 7-7/8" 5-1/2" 17# 7300 250 Sacks 6100

25. Size of Hole: 7-7/8" 5-1/2" 17# 7300 250 Sacks 6100

26. Size of Casing: 7-7/8" 5-1/2" 17# 7300 250 Sacks 6100

27. Size of Hole: 7-7/8" 5-1/2" 17# 7300 250 Sacks 6100

28. Size of Casing: 7-7/8" 5-1/2" 17# 7300 250 Sacks 6100

29. Size of Hole: 7-7/8" 5-1/2" 17# 7300 250 Sacks 6100

30. Size of Casing: 7-7/8" 5-1/2" 17# 7300 250 Sacks 6100

31. Size of Hole: 7-7/8" 5-1/2" 17# 7300 250 Sacks 6100

32. Size of Casing: 7-7/8" 5-1/2" 17# 7300 250 Sacks 6100

33. Size of Hole: 7-7/8" 5-1/2" 17# 7300 250 Sacks 6100

34. Size of Casing: 7-7/8" 5-1/2" 17# 7300 250 Sacks 6100

35. Size of Hole: 7-7/8" 5-1/2" 17# 7300 250 Sacks 6100

36. Size of Casing: 7-7/8" 5-1/2" 17# 7300 250 Sacks 6100

37. Size of Hole: 7-7/8" 5-1/2" 17# 7300 250 Sacks 6100

38. Size of Casing: 7-7/8" 5-1/2" 17# 7300 250 Sacks 6100

39. Size of Hole: 7-7/8" 5-1/2" 17# 7300 250 Sacks 6100

40. Size of Casing: 7-7/8" 5-1/2" 17# 7300 250 Sacks 6100

WELL LOCATION AND ACREAGE DEDICATION PLAT

At Distances must be from the outer boundaries of the section

Operator: Marshall Pipe & Supply Co.

Lease: MORRISON

Section: A 22 Township: 2 South Range: 29 East County: NMNM Roosevelt

Actual Footage Location of Well: 750 feet from the North Line and 990 feet from the East Line

Ground Level Elev.: 4339

Pool Name or Unit Agreement Name: Tule-Pennsylvanian, and Tule-Montoya

Well No. 320

1. Outline the acreage dedicated to the subject well by colored pencil or lacquer 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, forced pooling, etc.?

If answer is "Yes" type of consolidation: Communitization

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 well, unitizing such interests, has been approved by the Division.

Operator Certification

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

Signature: J. W. Marshall

Printed Name: J. W. Marshall

Position: Partner/Operator

Company: MARSHALL PIPE & SUPPLY

Date: July 31st, 1989

SURVEYOR CERTIFICATION

1. 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: July 27, 1989

Signature & Seal: P. R. Patton

Professional Surveyor: P. R. Patton

Surveyor No. 8112

Seal of the State of New Mexico

Seal of the State of New Mexico

Seal of the State of New Mexico

Seal of the State of New Mexico

Seal of the State of New Mexico

Seal of the State of New Mexico

Seal of the State of New Mexico

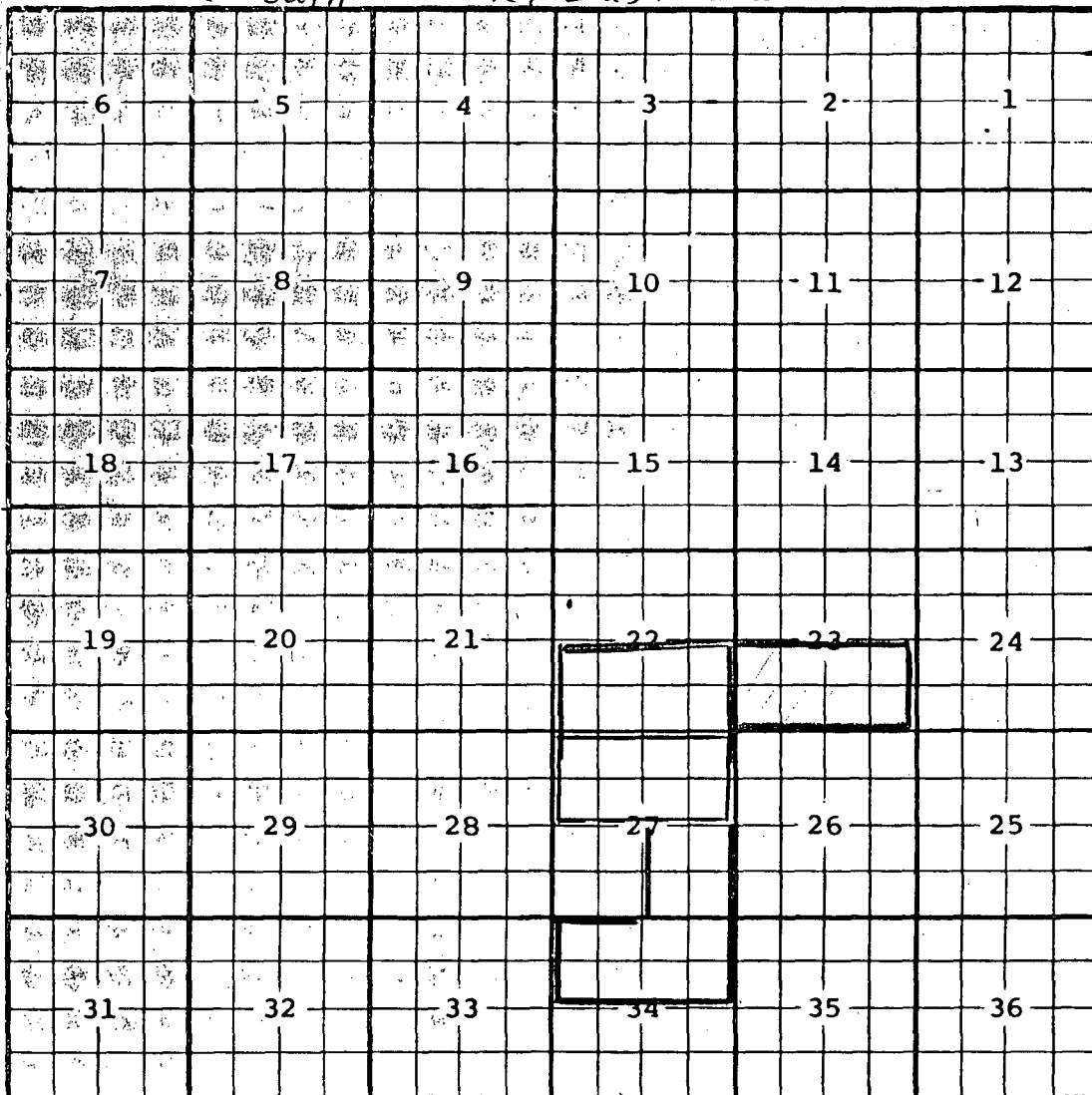
Seal of the State of New Mexico

Seal of the State of New Mexico

Seal of the State of New Mexico

COUNTY Roosevelt POOL Tule-Pennsylvanian Gas

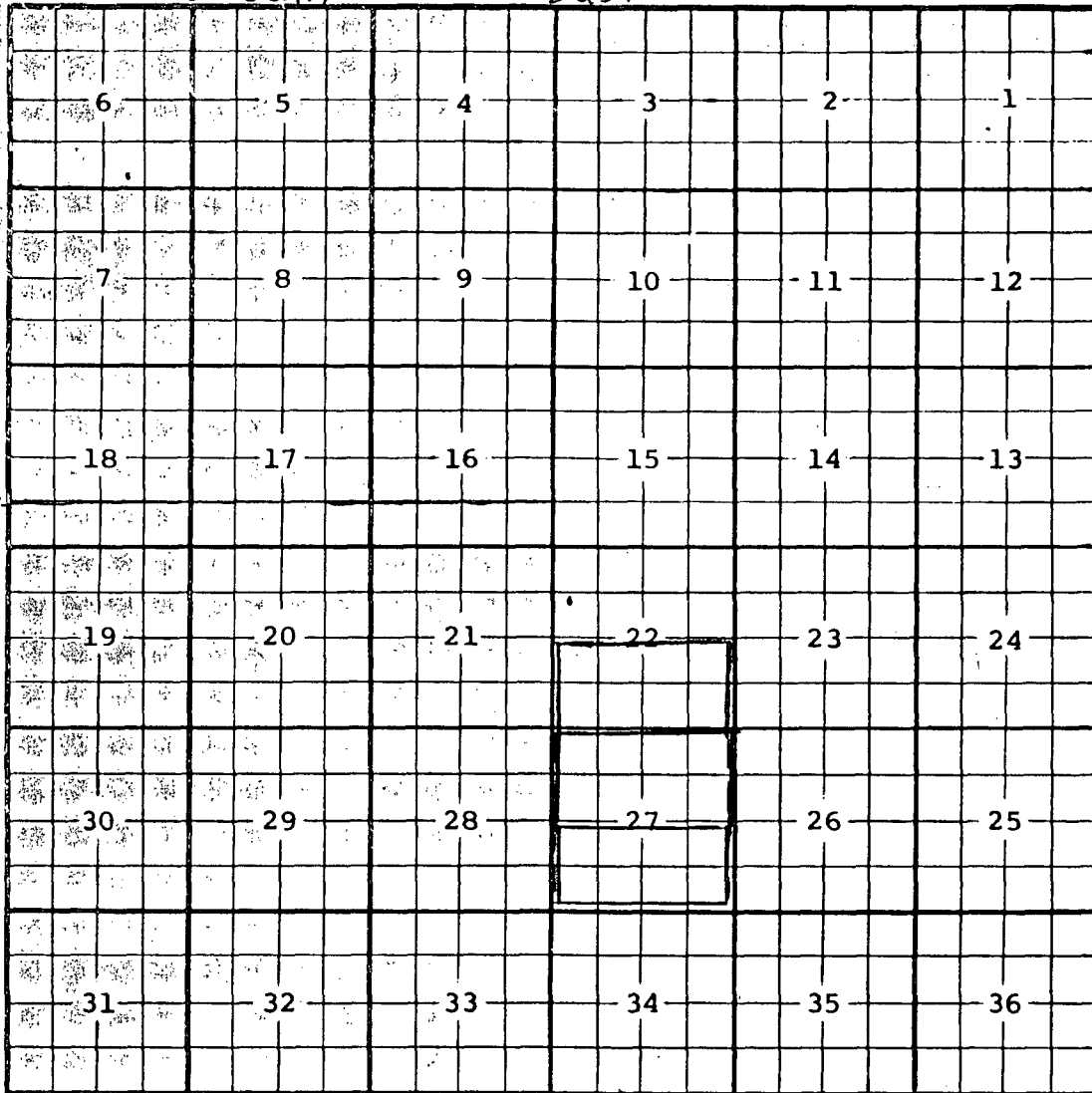
TOWNSHIP 2 South RANGE 29 East NMPM



Description: N/2 Sec. 27 (R-8483, 8-13-87) EXT: 5/2 SEC 22 (R-8626, 4/1/88)
EXT: 5/2 sec 23, SW/4 sec 27, N/2 sec 34 (R-8826, 12-22-88)

COUNTY Roosevelt POOL Tule-Montoya Gas

TOWNSHIP 2 South RANGE 29 East NMPM



Description: $\frac{1}{2}$ Sec. 27 (R-8340, 11-3-86) EXT: $\frac{1}{2}$ Sec. 27 (R-8483, 8-13-87)
EXT: $\frac{1}{2}$ Sec. 22 (R-8626, 4/1/88)

DANA-HARKEY and ASSOCIATES, INC.

Consultants in Geophysics

Geology and Exploration

727 Meadows Building, 8646 Milton
Dallas, Texas 75206, 214-692-6505

June 24, 1987

W. J. Harkey
John A. Thomas

Mr. J. W. Marshall
Marshall Pipe & Supply Company
13423 Forestway Drive
Dallas, Texas 75240

Re: Permit for Unorthodox Location
SE Section 22, T2S, R29E
Roosevelt County, New Mexico

Dear Mr. Marshall:

The following is a geophysical evaluation of Section 22, T2S, R29E in the above referenced Roosevelt County area. These comments are primarily concerned with the geophysical interpretation as it relates to the location of the well proposed for drilling in Section 22.

Based on the geological factors as shown on our depth maps for Control For Pennsylvanian Formation and Control For Pre-Cambrian Formation, as well as the seismic cross section for Marshall Pipe & Supply Line 1, the recommended location for well is 1400 feet North of the South Line and 1280 feet West of the East Line of Section 22. This is to be on the 320 acres that will be laying down, i.e., running east and west.

As defined by the Commission rules, the above location is an Unorthodox Location. Justification for this location is explained below.

1) Referring to the map for Control For Pennsylvanian Formation, one of the potential producing zones, a fault is shown to cross the Southeast Quarter of Section 22. On the up thrown side of this fault (vicinity Shotpoints 300 and 305) the northern part of a structural high is shown. If the well were located as defined by Commission Rule Book dated 3-1-82, Amendment No.1, C-3, the well would be located either on the down thrown side of the fault or near the fault where the interpretation is not definitive. That is, moving the well to an Orthodox Location would result in a high risk position caused by the fault or a down dip location.

2) Referring to the map for Control For Pre-Cambrian Formation, one of the potential producing zones, the fault described above is still present and prevents locating the well farther west than here

recommended without greatly increasing geologic risk for the success of the well. A structural high has been mapped in the Southeast quarter of Section 22. If the location were moved west to an Orthodox Location an undesirable position would result due to the nearness to the fault and structurally low position.

3) Referring to the enclosed portion of Marshall Pipe & Supply Co. Seismic Line 1 the seismic events representing the Pennsylvanian reflection and the Pre-Cambrian reflection are identified. Also shown on the seismic line is the fault discussed with regards to the two maps. The exact position of the fault with respect to surface shotpoint locations is not well defined but is considered to be located between the surface locations of shotpoints 307 and 312. For this reason, moving the proposed location west of shotpoint 305 is considered undesirable from a geologic standpoint. Since the down thrown side of the fault is not considered as a feasible drilling location (in this vicinity), it is most important to reduce the risk ~~associated with locating the well nearer the fault than represented~~ by the structural position near shotpoint 305.

4) The east-west lay down pattern of the 320 acres for the new location is very important in view of an indicated anticlinal feature in the northeast quarter of Section 22 on the down side of the fault. Another drill location there may be justified to test for non-communicating deposits of hydrocarbons.

In conclusion, an application for and the granting of an Unorthodox Location (1400 ft. North of the South Line and 1280 ft. West of the East Line of Section 22) is of major geologic importance to the success of a well drilled in the Southeast quarter of Section 22, and the maximum eventual exploitation of the reserves in this area.

Very truly yours,


W.J. Harkey



NICOR EXPLORATION

One of the NICOR
basic energy companies

1867 Cole Boulevard Golden, Colorado 80401 Phone 303 232 9282

June 29, 1987

W.J. LeMay
New Mexico Oil Conservation Commission
P.O. Box 2088
Santa Fe, New Mexico 87504

Re: Unorthodox Location request
with south-half spacing for
Sec. 22-T2S-R29E
Roosevelt, County, N.M.

Dear Sirs:

Marshall Pipe and Supply Company, as Operator, of drilling and production activities in the "Best" Area (Tule Field), plans to permit an unorthodox location within a south-half spaced unit in Section 22, T2S, R29E; said location being 1400 feet PSL and 1280 feet FEL. Nicor Exploration is a working interest party to any operations in the referenced section, and is in favor of the well location and spacing unit requested by Marshall Pipe and Supply Company.

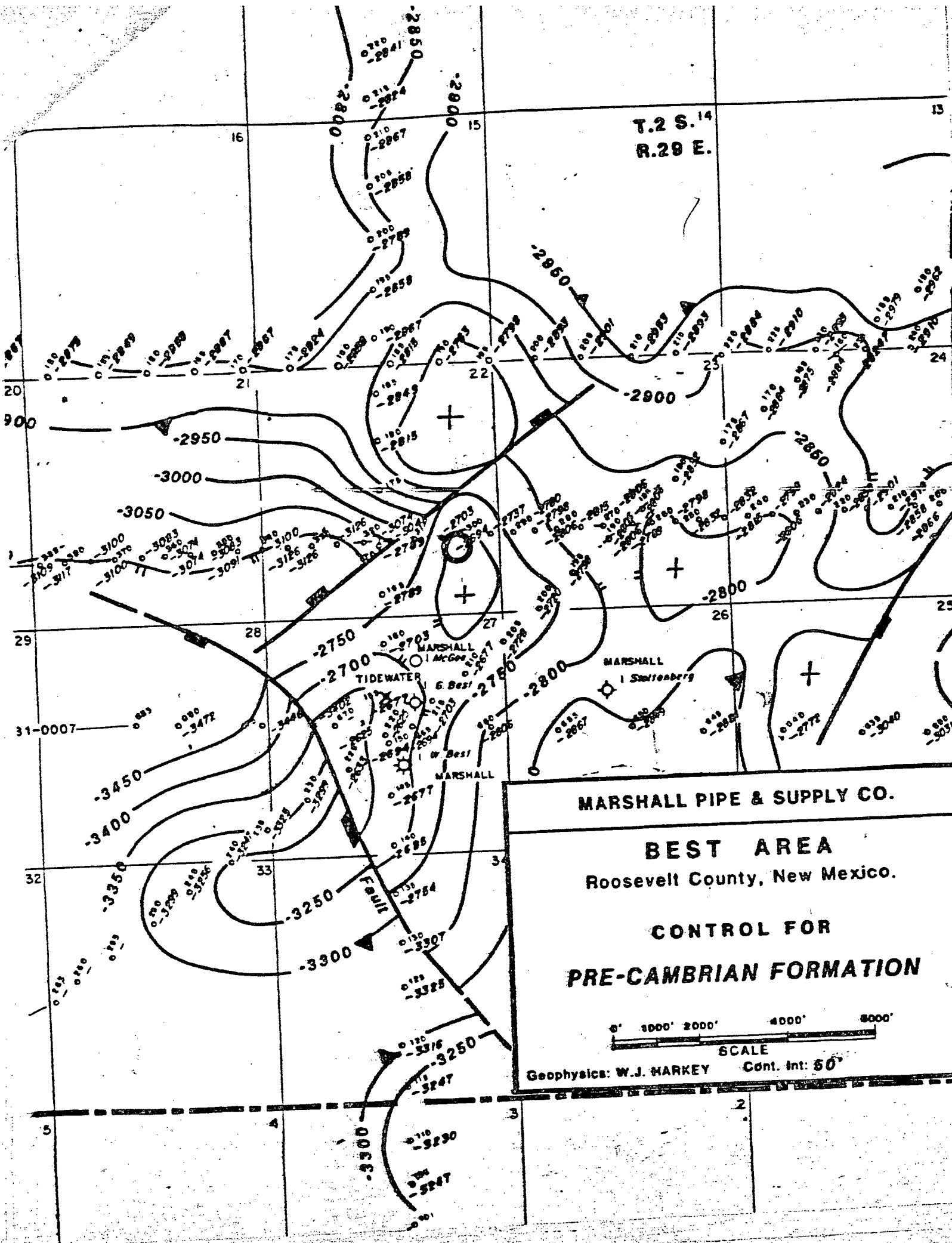
The requested location will allow for efficient drainage of the reservoir while providing acceptable geologic risk in light of known faulting in the section. The NE-SW trending fault in the SE/4 of Section 22 depicted on W.J. Harkey's Pre-Cambrian formation structure map is recognized by Nicor as prohibiting a standard location. Movement of the proposed location to the west or north (at a standard location) would result in unacceptable geologic risk due to proximity to the fault.

The NE-SW fault is probably a barrier that separates potential reservoir in the NE/4 of the section from that in the SE/4. A south-half spaced unit with the requested unorthodox location, followed at a later date by a north-half spaced unit with a well drilled in the NE/4, is the most efficient means for developing potential reserves in Section 22. A single well located on an east-half spaced unit would not be capable of efficiently draining reservoir in this section due to the presence of the above referenced fault.

Sincerely,

D.L. Nelson
Area Exploration Geologist

cc: J.W. Marshall
Marshall Pipe & Supply



T.2 S. 14
R.29 E.

MARSHALL PIPE & SUPPLY CO.

BEST AREA
Roosevelt County, New Mexico.

CONTROL FOR
PRE-CAMBRIAN FORMATION

0' 1000' 2000' 4000' 8000'
SCALE

Geophysics: W.J. HARKEY Cont. Int: 50'

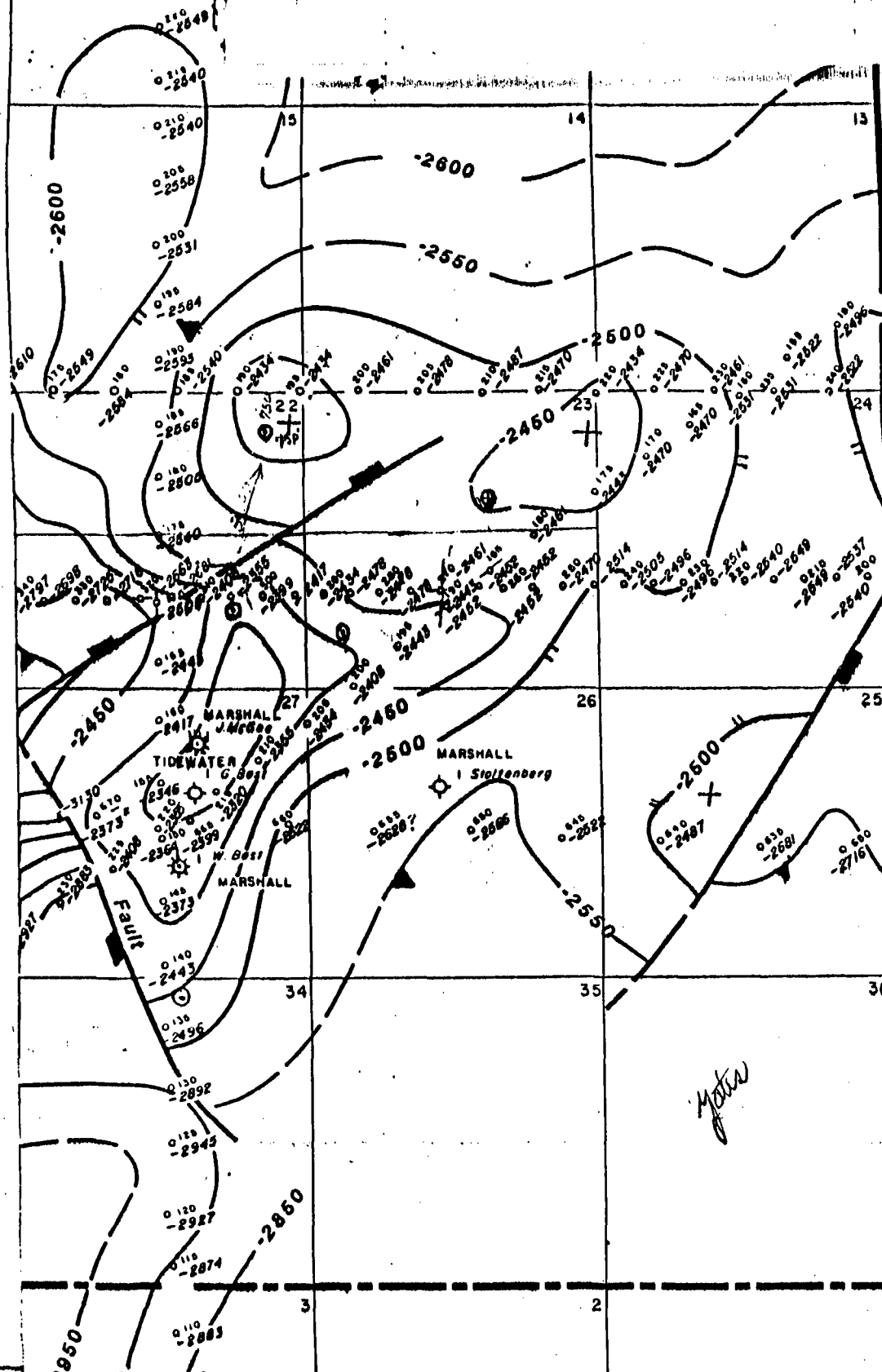
R. 28 E.

T.
2
S.

<p>Section 16 T2S, R29E Marshall Pipe & Supply Wintergreen, Depco</p> <p>State</p>	<p>Section 15 T2S, R29E Marshall Pipe & Supply Depco, Wintergreen</p> <p>Marshall US</p> <p>Marshall Pipe & Sup. US</p>	<p>Section 14 T2S, R29E Marshall Pipe & Supply Co.,</p> <p>US</p> <p>Marshall Pipe & Supply Depco, Wintergreen Yates</p>
<p>Section 21 T2S, R29E Marshall Pipe & Supply Wintergreen, Depco, Nicor</p>	<p>Section 22 T2S, R29E Marshall Wintergreen Depco, Nicor, Yates, Eagle</p> <p>Marshall Pipe & Supply</p> <p>PROBATION UNIT US</p> <p>Marshall Speight #1 Wintergreen Depco, Nicor Yates, Eagle Oil</p> <p>LOCATION 1400 FE. 1200 FE.</p>	<p>Section 23 T2S, R29E Marshall Pipe & Supply Wintergreen, Depco, Nicor, Yates, Eagle Oil</p>
<p>Section 28 T2S, R29E Marshall Pipe & Sup.</p> <p>US</p>	<p>Section 27 T2S, R29E J.T. McGee #1 Tidewater Wendell Best #1 Marshall Pipe & Supply</p> <p>Marshall Depco Nicor Yates Wintergreen Eagle Oil</p>	<p>Section 26 T2S, R29E Marshall Pipe & Supply Wintergreen, Depco, Nicor Stoltenberg Yates, Eagle</p> <p>Marshall Pipe & Sup</p> <p>US</p>

T2S, R29E, ROOSEVELT COUNTY, NEW MEXICO

Geophysics: W.J. HARKEY Cont. Int: 50'



MARSHALL PIPE & SUPPLY CO.

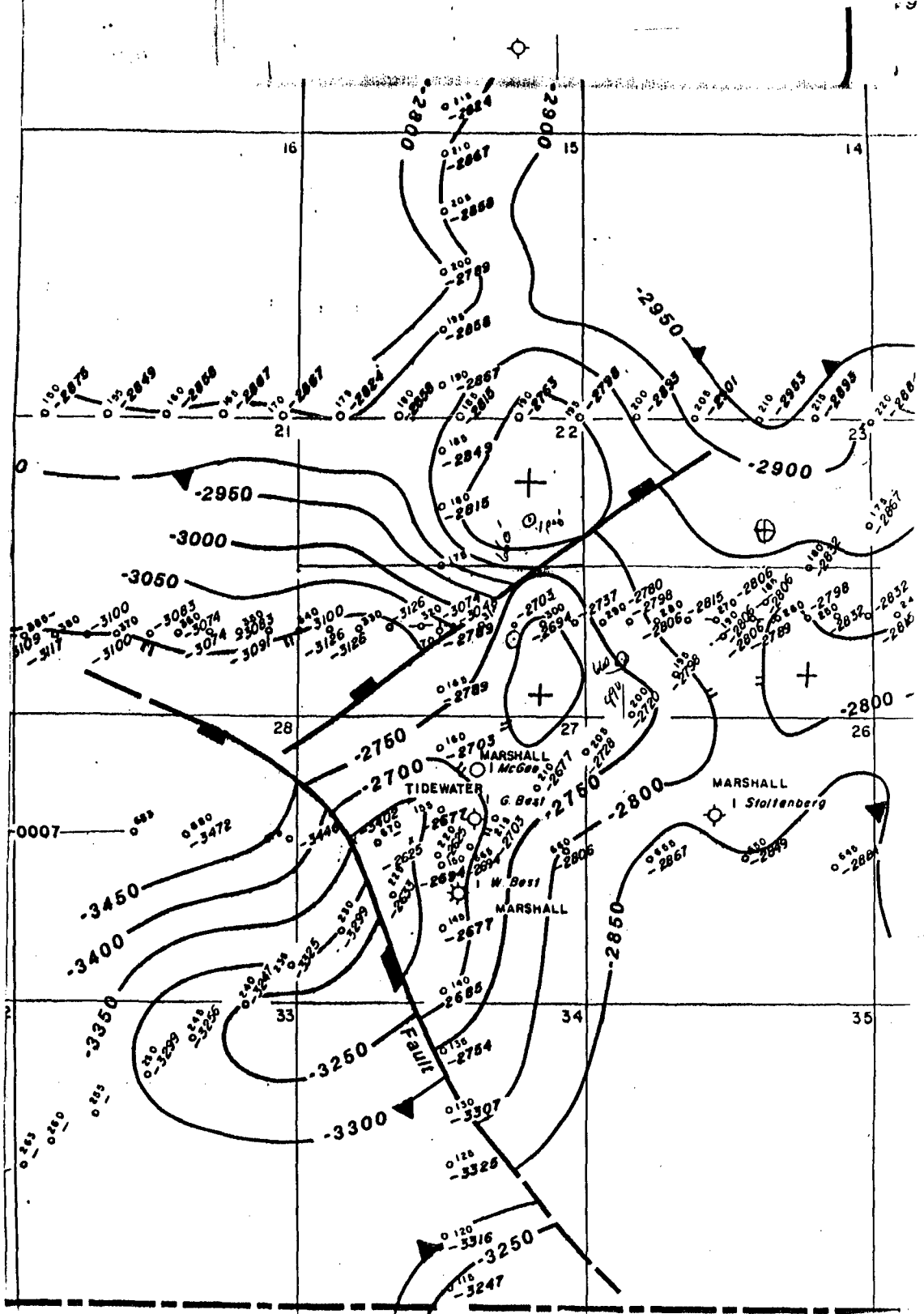
BEST AREA
Roosevelt County, New Mexico.

CONTROL FOR
PRE-CAMBRIAN FORMATION



SCALE

Geophysics: W.J. HARKEY Cont. Int: 50'



MARSHALL PIPE & SUPPLY CO.

BEST AREA

Roosevelt County, New Mexico.

CONTROL FOR
PRE-CAMBRIAN FORMATION

0' 1000' 2000' 4000' 6000'

SCALE

Geophysics: W.J. HARKEY

Cont. Int: 50'

R 29 E



585-0003

MARSHALL PIPE & SUPPLY CO.

BEST AREA

Roosevelt County, New Mexico

CONTROL FOR

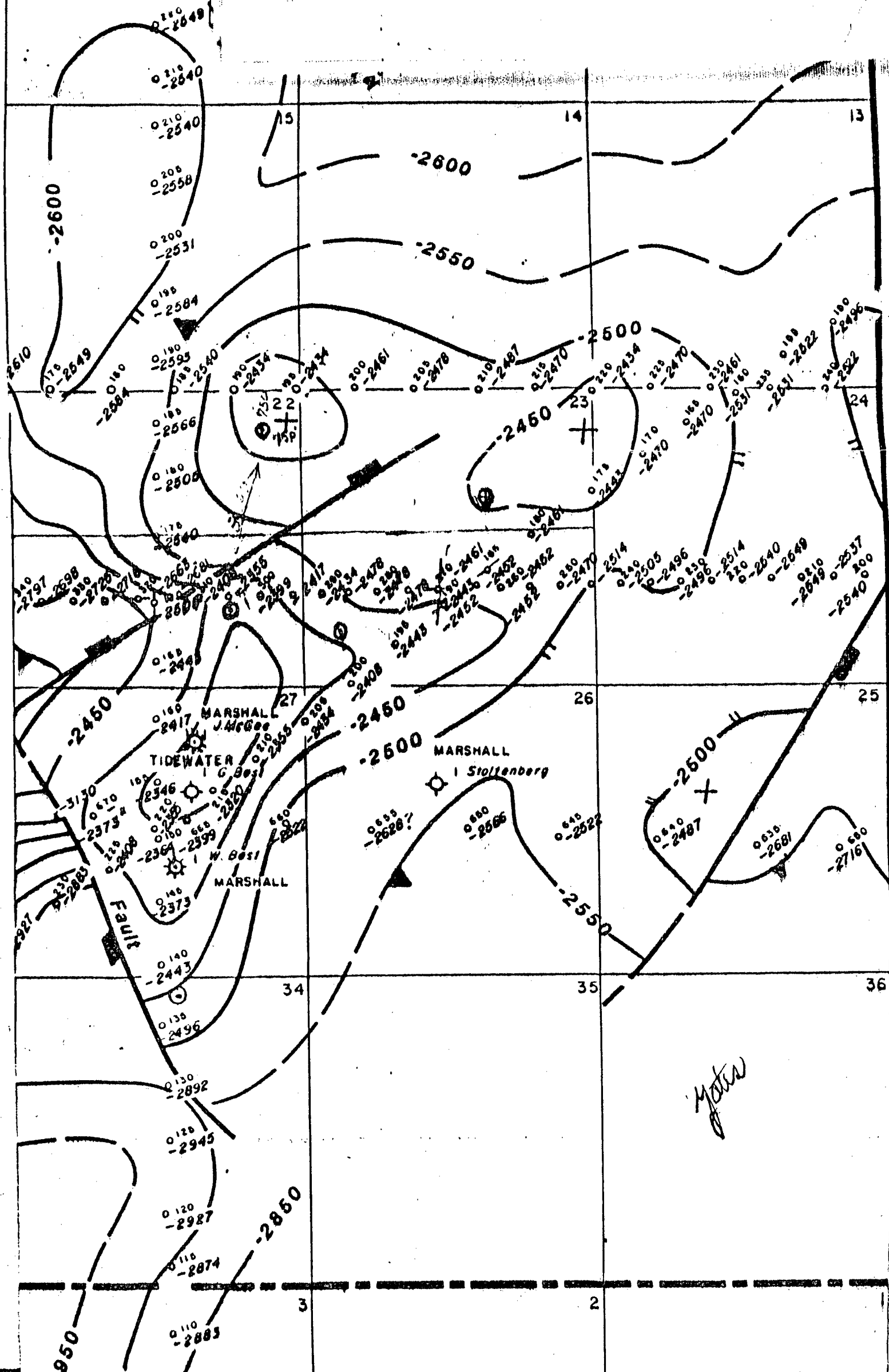
PENNSYLVANIAN FORMATION

0' 1000' 2000' 4000' 6000'

SCALE

Geophysics: W.J. HARKEY

Cont. Int: 50'



MARSHALL Pipe & Supply Company

Drilling

Producing

J. W. Marshall
Dallas, Texas
RESIDENCE
(214) 233-7881

13423 FORESTWAY DRIVE
DALLAS, TEXAS 75240
(214) 239-7284

July 5th, 1989

Marshall Pipe & Supply Company
13423 Forestway Dr.,
Dallas, Texas 75240

Re: Morrison #1
N/2 Section 22,
T2S, R29E
Roosevelt County, New Mexico

Gentlemen:

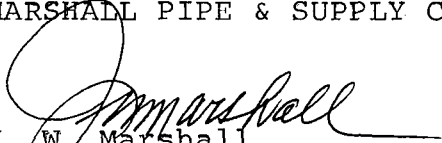
Inasmuch as you are the Operator of offset leases, we are notifying you of our application for Non-Standard Location for our Morrison #1, located 750' from the North Line, and 750' from the East Line, Unit Letter A, Section 22, T2S, R29E.

If you have no objections to this location, please agree to this location by signing in designated space at the bottom of this letter.

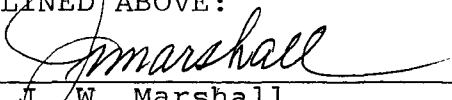
Thanking you, we are,

Very truly yours,

MARSHALL PIPE & SUPPLY COMPANY


J. W. Marshall
JWM:vlj

WE APPROVE OF YOUR NON-STANDARD LOCATION FOR YOUR MORRISON #1
AS OUTLINED ABOVE:


NAME: J. W. Marshall
MARSHALL PIPE & SUPPLY COMPANY
13423 Forestway Dr.,
Dallas, Texas 75240

July 5th, 1989
date:

MARSHALL Pipe & Supply Company

Drilling

Producing

13423 FORESTWAY DRIVE
DALLAS, TEXAS 75240

(214) 239-7284

J. W. Marshall
Dallas, Texas
RESIDENCE
(214) 233-7881

July 5th, 1989

Marshall Pipe & Supply Company
13423 Forestway Dr.,
Dallas, Texas 75240

Re: Morrison #1
N/2 Section 22,
T2S, R29E
Roosevelt County, New Mexico

Gentlemen:

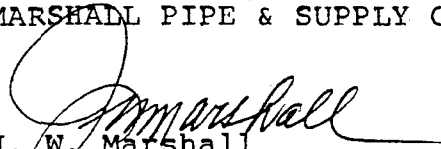
Inasmuch as you are the Operator of offset leases, we are notifying you of our application for Non-Standard Location for our Morrison #1, located 750' from the North Line, and 750' from the East Line, Unit Letter A, Section 22, T2S, R29E.

If you have no objections to this location, please agree to this location by signing in designated space at the bottom of this letter.

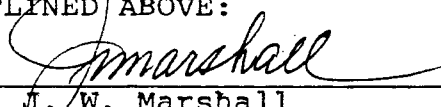
Thanking you, we are,

Very truly yours,

MARSHALL PIPE & SUPPLY COMPANY


J. W. Marshall
JWM:vlj

WE APPROVE OF YOUR NON-STANDARD LOCATION FOR YOUR MORRISON #1
AS OUTLINED ABOVE:


NAME: J. W. Marshall
MARSHALL PIPE & SUPPLY COMPANY
13423 Forestway Dr.,
Dallas, Texas 75240

July 5th, 1989
date:

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-101
Revised 1-1-89

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

API NO. (assigned by OCD on New Wells)

5. Indicate Type of Lease

STATE ☐

FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

MORRISON

8. Well No.

1

9. Pool name or Wildcat
Tule-Pennsylvanian and
Tule-Montoya

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work:

DRILL ☒

RE-ENTER ☐

DEEPEN ☐

PLUG BACK ☐

b. Type of Well:

OIL
WELL ☐

GAS
WELL ☒

OTHER

SINGLE
ZONE ☐

MULTIPLE
ZONE ☒

2. Name of Operator

MARSHALL PIPE & SUPPLY COMPANY

3. Address of Operator

13423 Forestway Dr.,
Dallas, Texas 75240

4. Well Location

Unit Letter

A

: 750

Feet From The

North

Line and

750

Feet From The

East

Line

Section
22

Township
2 South

Range
29 East

NMPM

Roosevelt

County

10. Proposed Depth

7500

11. Formation

PreCambrian

12. Rotary or C.T.

Rotary

13. Elevations (Show whether DF, RT, GR, etc.)

4342 GL

14. Kind & Status Plug Bond

State wide

15. Drilling Contractor

Jack Houston Drilling

16. Approx. Date Work will start

September 1, '89

17. PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17-1/2"	13-3/8"	48#	300	circulate	Ground Level
11"	8-5/8"	24#	2150	circulate	" "
7-7/8"	5-1/2"	17#	7300	250 sacks	6100'

A 7-7/8" hole will be drilled below casing to granite at an expected depth of 7500'. If shows of oil and/or gas are present we will evaluate them by drill stem tests or by running casing.

Blow Out Preventer will be utilized below 2300'.

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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

SIGNATURE

J. W. Marshall

TITLE

Partner/Operator

DATE

7-5-89

TYPE OR PRINT NAME

TELEPHONE NO.

(This space for State Use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

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 Marshall Pipe And Supply Co.			Lease Morrison		Well No. 1
Unit Letter A	Section 22	Township 2 South	Range 29 East	County Roosevelt	
Actual Footage Location of Well: 750 feet from the North line and 750 feet from the East line					
Ground level Elev. 4342	Producing Formation Pennsylvanian, and Montoya		Pool Tule-Pennsylvanian, & Tule-Montoya	Dedicated Acreage 320 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.?

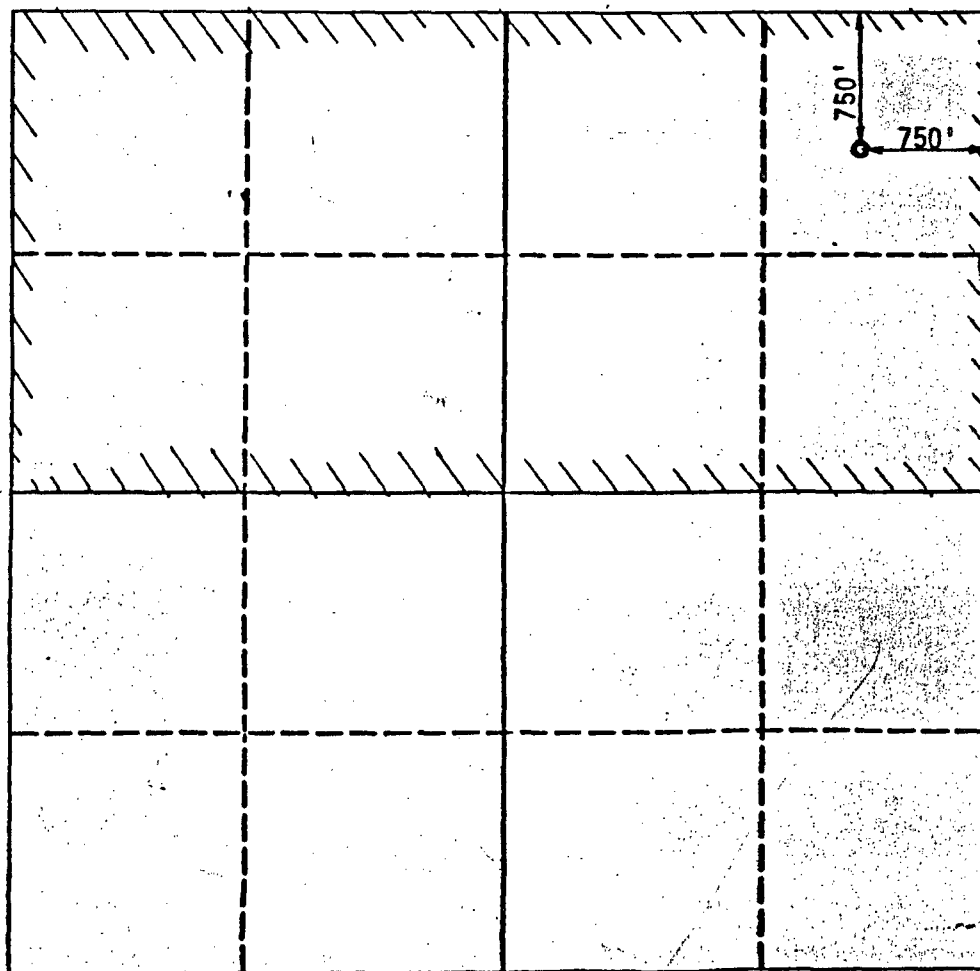
☒ Yes

☐ No

If answer is "yes" type of consolidation Unitization

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 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

J. W. MARSHALL

Position PARTNER/
OPERATOR

Company

MARSHALL PIPE & SUPPLY CO.

Date

July 5th, 1989

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

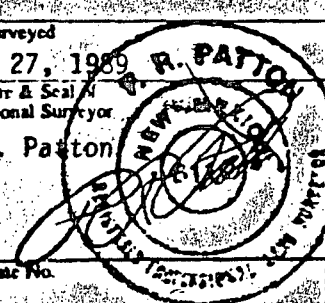
June 27, 1989

Signature & Seal of
Professional Surveyor

P. R. Patton

Certificate No.

8112



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 10230 10560 10890 11220 11550 11880 12210 12540 12870 13200 13530 13860 14190 14520 14850 15180 15510 15840 16170 16500 16830 17160 17490 17820 18150 18480 18810 19140 19470 19800 20130 20460 20790 21120 21450 21780 22110 22440 22770 23100 23430 23760 24090 24420 24750 25080 25410 25740 26070 26400 26730 27060 27390 27720 28050 28380 28710 29040 29370 29700 30030 30360 30690 31020 31350 31680 32010 32340 32670 33000 33330 33660 33990 34320 34650 34980 35310 35640 35970 36300 36630 36960 37290 37620 37950 38280 38610 38940 39270 39600 39930 40260 40590 40920 41250 41580 41910 42240 42570 42900 43230 43560 43890 44220 44550 44880 45210 45540 45870 46200 46530 46860 47190 47520 47850 48180 48510 48840 49170 49500 49830 50160 50490 50820 51150 51480 51810 52140 52470 52800 53130 53460 53790 54120 54450 54780 55110 55440 55770 56100 56430 56760 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440550 440880 441210 441540 441870 442200 442530 442860 443190 443520 443850 444180 444510 444840 445170 445500 445830 446160 446490 446820 447150 447480 447810 448140 448470 448800 449130 449460 449790 450120 450450 450780 451110 451440 451770 452100 452430 452760 453090 453420 453750 454080 454410 454740 455070 455400 455730 456060 456390 456720 457050 457380 457710 458040 458370 458700 459030 459360 459690 460020 460350 460680 461010 461340 461670 462000 462330 462660 462990 463320 463650 463980 464310 464640 464970 465300 465630 465960 466290 466620 466950 467280 467610 467940 468270 468600 468930 469260 469590 469920 470250 470580 470910 471240 471570 471900 472230 472560 472890 473220 473550 473880 474210 474540 474870 475200 475530 475860 476190 476520 476850 477180 477510 477840 478170 478500 478830 479160 479490 479820 480150 480480 480810 481140 481470 481800 482130 482460 482790 483120 483450 483780 484110 484440 484770 485100 485430 485760 486090 486420 486750 487080 487410 487740 488070 488400 488730 489060 489390 489720 490050 490380 490710 491040 491370 491700 492030 492360 492690 493020 493350 493680 494010 494340 494670 495000 495330 495660 495990 496320 496650 496980 497310 4

17/87/371

17

RE: MORRISON #1
SECTION 22,
T2S, R29E
ROOSEVELT COUNTY, NEW MEXICO

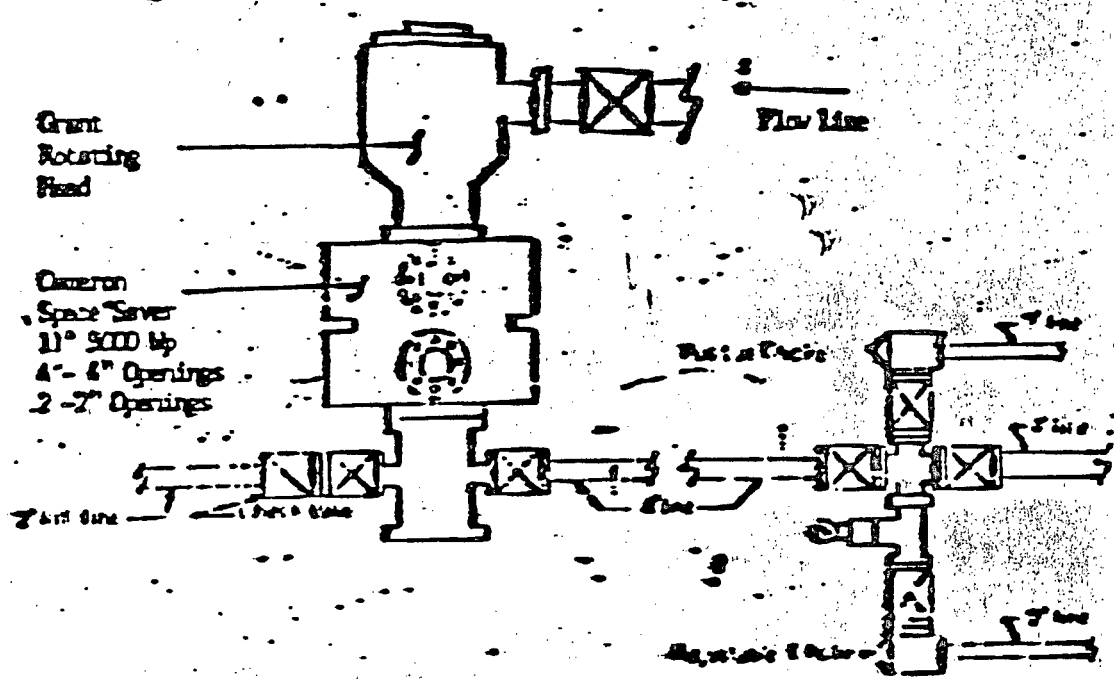


FIG #2 SLOW OUT EQUIPMENT



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

7-10-89

GARREY CARRUTHERS
GOVERNOR

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88241-1980
(505) 393-6161

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

RECEIVED

JUL 14 1989

OIL CONSERVATION DIV.
SANTA FE

RE: Proposed:

MC _____
DHC _____
NSL X _____
NSP _____
SWD _____
WFX _____
PMX _____

Gentlemen:

I have examined the application for the:

Marshall Pipe & Supply Co. Morrison #1 22-2-29
Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

[Handwritten signature]

Yours very truly,

[Handwritten signature]
Jerry Sexton
Supervisor, District 1

/ed