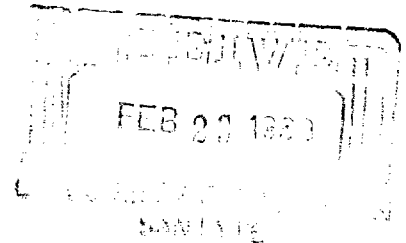


*Case No. 9625*

February 1, 1989



Ms. Florine Davidson  
Energy and Minerals Department  
Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 87504

Re: Perry No. 1 Well  
Township 2 South, Range 29 East, NMPM  
Section 23: S/2  
Roosevelt County, New Mexico

Dear Florine:

Confirming our telephone conversation, enclosed are three copies of the Application of Marshall Pipe & Supply Company for Compulsory Pooling, Roosevelt County, New Mexico, which was sent to your office for filing on January 25, 1989.

We understand this matter is set for hearing before an Examiner on March 15, 1989.

Thank you.

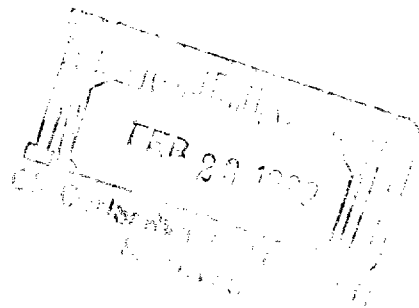
Very truly yours,

DICKERSON, FISK & VANDIVER

  
David R. Vandiver

DRV:pvw  
Enclosures

January 25, 1989



Energy and Minerals Department  
Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 87501

Re: Perry No. 1 Well  
Township 2 South, Range 29 East, NMPM  
Section 23: S/2  
Roosevelt County, New Mexico

Gentlemen:

Enclosed for filing, please find three copies of the Application of Marshall Pipe & Supply Company for Compulsory Pooling, Roosevelt County, New Mexico. Also enclosed is an extra copy of the Application which we would appreciate your returning to us in the enclosed stamped self-addressed envelope after inserting the docket number.

Please set this matter for hearing before an Examiner on March 1, 1989.

Thank you.

Very truly yours,

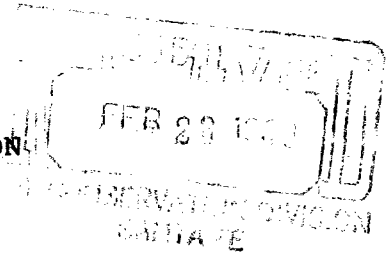
DICKERSON, FISK & VANDIVER

David R. Vandiver

DRV:pvw  
Enclosures

cc w/enclosure: Marshall Pipe & Supply Company

BEFORE THE OIL CONSERVATION DIVISION  
OF THE STATE OF NEW MEXICO



IN THE MATTER OF THE APPLICATION :  
OF MARSHALL PIPE & SUPPLY COMPANY :  
FOR COMPULSORY POOLING, ROOSEVELT :  
COUNTY, NEW MEXICO :  
\_\_\_\_\_ :

CASE NO. 9625

APPLICATION

COMES NOW Marshall Pipe & Supply Company, by its attorneys, and in support hereof, respectfully states:

1. Applicant is the operator of the following described lands in Roosevelt County, New Mexico:

Township 2 South, Range 29 East, N.M.P.M.

Section 23: S/2

containing 320 acres, more or less,  
and has drilled its Perry No. 1 Well at a point located 990 feet from the south line and 660 feet from the west line of said Section 23, to a depth sufficient to test all formations from the surface through the base of the Montoya formation.

2. A standard 320-acre proration unit comprising the S/2 of said Section 23 should be dedicated to such well or to such lesser portion thereof as is reasonably shown to be productive of oil and gas.

3. There are interest owners in the unit who have not agreed to pool their interests.

4. Applicant should be designated the operator of the well and the proration unit.

5. To avoid the drilling of unnecessary wells, to protect correlative rights and to afford to the owner of each interest in said unit the opportunity to recover or receive without unnecessary expense, his just and fair share of the oil and gas in said unit, all mineral interests, whatever they may be, from the surface down to the base of the Montoya formation, underlying S/2 Section 23, Township 2 South, Range 29 East, N.M.P.M, Roosevelt County, New Mexico, should be pooled.

6. That any non-consenting working interest owner that does not pay his share of estimated well costs should have withheld from production his share of the reasonable well costs, plus an additional 200% thereof as a reasonable charge for the risk involved in the drilling of the well.

7. Applicant should be authorized to withhold from production the proportionate share of a reasonable supervision charge for drilling and producing wells attributable to each non-consenting working interest owner.

8. The approval of this Application will afford Applicant the opportunity to produce its just and equitable share of oil and gas, will prevent economic loss caused by the drilling of unnecessary wells, avoid the augmentation of risk arising from

the drilling of an excessive number of wells, and will otherwise prevent waste and protect correlative rights.

WHEREFORE, Applicant prays:

A. That this Application be set for hearing before an examiner and that notice of said hearing be given as required by law.

B. That upon hearing the Division enter its order pooling all mineral interests, whatever they may be, from the surface down to the base of the Montoya formation, underlying S/2 Section 23, Township 2 South, Range 29 East, N.M.P.M., Roosevelt County, New Mexico, or such lesser portion as may be productive of oil and gas and dedicated to Applicant's well.

C. And for such other and further relief as may be just in the premises.

MARSHALL PIPE & SUPPLY COMPANY

By:   
David R. Vandiver

DICKERSON, FISK & VANDIVER  
Seventh and Mahone, Suite E  
Artesia, New Mexico 88210  
(505) 746-9841

Attorneys for Applicant

BEFORE THE OIL CONSERVATION DIVISION  
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION :  
OF MARSHALL PIPE & SUPPLY COMPANY :  
FOR COMPULSORY POOLING, ROOSEVELT :  
COUNTY, NEW MEXICO :  
\_\_\_\_\_ :

CASE NO. 9625

APPLICATION

COMES NOW Marshall Pipe & Supply Company, by its attorneys, and in support hereof, respectfully states:

1. Applicant is the operator of the following described lands in Roosevelt County, New Mexico:

Township 2 South, Range 29 East, N.M.P.M.

Section 23: S/2

containing 320 acres, more or less,  
and has drilled its Perry No. 1 Well at a point located 990 feet from the south line and 660 feet from the west line of said Section 23, to a depth sufficient to test all formations from the surface through the base of the Montoya formation.

2. A standard 320-acre proration unit comprising the S/2 of said Section 23 should be dedicated to such well or to such lesser portion thereof as is reasonably shown to be productive of oil and gas.

3. There are interest owners in the unit who have not agreed to pool their interests.

4. Applicant should be designated the operator of the well and the proration unit.

5. To avoid the drilling of unnecessary wells, to protect correlative rights and to afford to the owner of each interest in said unit the opportunity to recover or receive without unnecessary expense, his just and fair share of the oil and gas in said unit, all mineral interests, whatever they may be, from the surface down to the base of the Montoya formation, underlying S/2 Section 23, Township 2 South, Range 29 East, N.M.P.M, Roosevelt County, New Mexico, should be pooled.

6. That any non-consenting working interest owner that does not pay his share of estimated well costs should have withheld from production his share of the reasonable well costs, plus an additional 200% thereof as a reasonable charge for the risk involved in the drilling of the well.

7. Applicant should be authorized to withhold from production the proportionate share of a reasonable supervision charge for drilling and producing wells attributable to each non-consenting working interest owner.

8. The approval of this Application will afford Applicant the opportunity to produce its just and equitable share of oil and gas, will prevent economic loss caused by the drilling of unnecessary wells, avoid the augmentation of risk arising from

the drilling of an excessive number of wells, and will otherwise prevent waste and protect correlative rights.

WHEREFORE, Applicant prays:

A. That this Application be set for hearing before an examiner and that notice of said hearing be given as required by law.

B. That upon hearing the Division enter its order pooling all mineral interests, whatever they may be, from the surface down to the base of the Montoya formation, underlying S/2 Section 23, Township 2 South, Range 29 East, N.M.P.M., Roosevelt County, New Mexico, or such lesser portion as may be productive of oil and gas and dedicated to Applicant's well.

C. And for such other and further relief as may be just in the premises.

MARSHALL PIPE & SUPPLY COMPANY

By:   
David R. Vandiver

DICKERSON, FISK & VANDIVER  
Seventh and Mahone, Suite E  
Artesia, New Mexico 88210  
(505) 746-9841

Attorneys for Applicant



BEFORE THE OIL CONSERVATION DIVISION  
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION :  
OF MARSHALL PIPE & SUPPLY COMPANY :  
FOR COMPULSORY POOLING, ROOSEVELT :  
COUNTY, NEW MEXICO :  
\_\_\_\_\_ :

CASE NO. 9625

APPLICATION

COMES NOW Marshall Pipe & Supply Company, by its attorneys, and in support hereof, respectfully states:

1. Applicant is the operator of the following described lands in Roosevelt County, New Mexico:

Township 2 South, Range 29 East, N.M.P.M.

Section 23: S/2

containing 320 acres, more or less,  
and has drilled its Perry No. 1 Well at a point located 990 feet from the south line and 660 feet from the west line of said Section 23, to a depth sufficient to test all formations from the surface through the base of the Montoya formation.

2. A standard 320-acre proration unit comprising the S/2 of said Section 23 should be dedicated to such well or to such lesser portion thereof as is reasonably shown to be productive of oil and gas.

3. There are interest owners in the unit who have not agreed to pool their interests.

4. Applicant should be designated the operator of the well and the proration unit.

5. To avoid the drilling of unnecessary wells, to protect correlative rights and to afford to the owner of each interest in said unit the opportunity to recover or receive without unnecessary expense, his just and fair share of the oil and gas in said unit, all mineral interests, whatever they may be, from the surface down to the base of the Montoya formation, underlying S/2 Section 23, Township 2 South, Range 29 East, N.M.P.M, Roosevelt County, New Mexico, should be pooled.

6. That any non-consenting working interest owner that does not pay his share of estimated well costs should have withheld from production his share of the reasonable well costs, plus an additional 200% thereof as a reasonable charge for the risk involved in the drilling of the well.

7. Applicant should be authorized to withhold from production the proportionate share of a reasonable supervision charge for drilling and producing wells attributable to each non-consenting working interest owner.

8. The approval of this Application will afford Applicant the opportunity to produce its just and equitable share of oil and gas, will prevent economic loss caused by the drilling of unnecessary wells, avoid the augmentation of risk arising from

the drilling of an excessive number of wells, and will otherwise prevent waste and protect correlative rights.

WHEREFORE, Applicant prays:

A. That this Application be set for hearing before an examiner and that notice of said hearing be given as required by law.

B. That upon hearing the Division enter its order pooling all mineral interests, whatever they may be, from the surface down to the base of the Montoya formation, underlying S/2 Section 23, Township 2 South, Range 29 East, N.M.P.M., Roosevelt County, New Mexico, or such lesser portion as may be productive of oil and gas and dedicated to Applicant's well.

C. And for such other and further relief as may be just in the premises.

MARSHALL PIPE & SUPPLY COMPANY

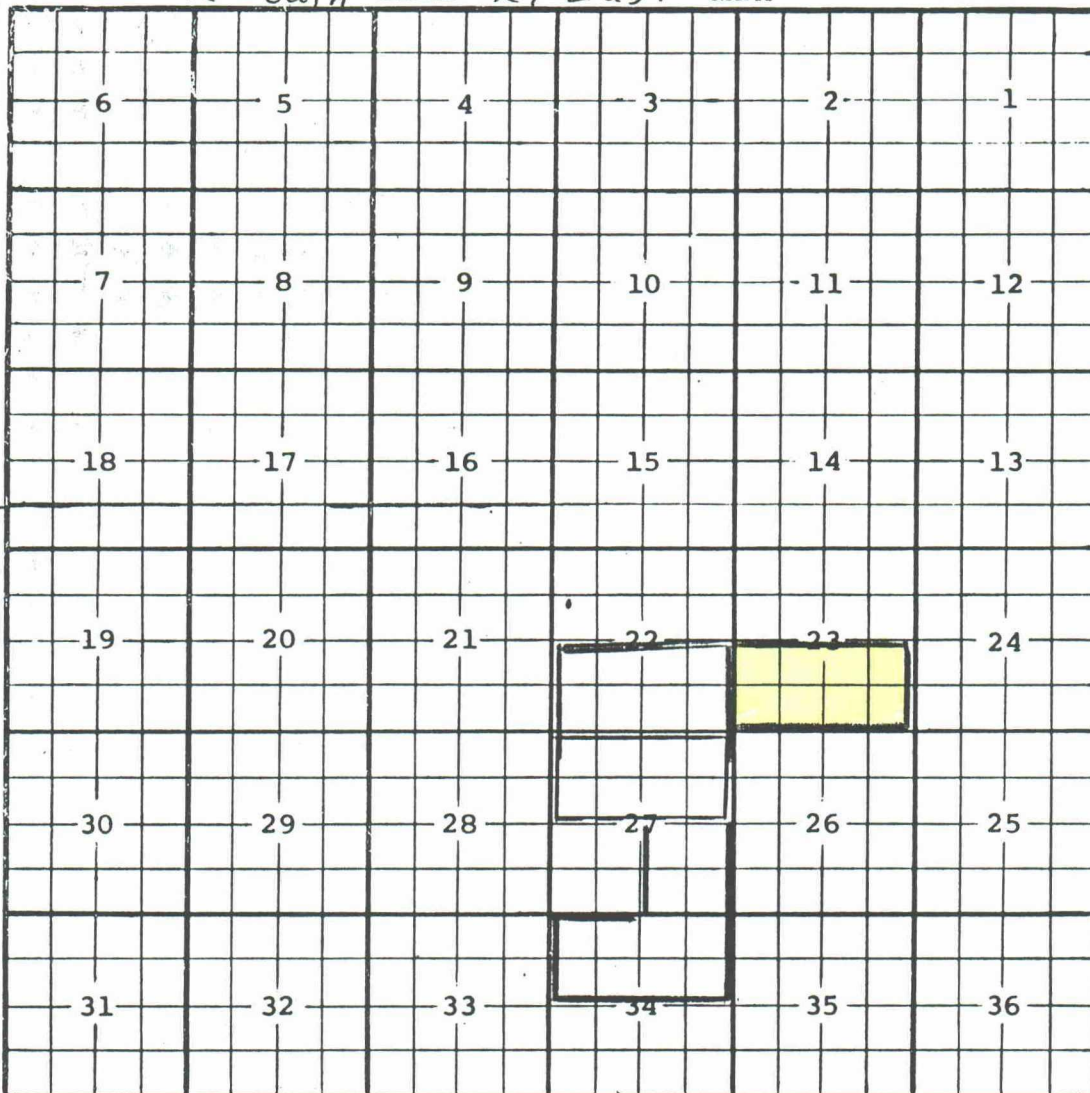
By:   
David R. Vandiver

DICKERSON, FISK & VANDIVER  
Seventh and Mahone, Suite E  
Artesia, New Mexico 88210  
(505) 746-9841

Attorneys for Applicant

COUNTY Roosevelt POOL Tule-Pennsylvanian Gas

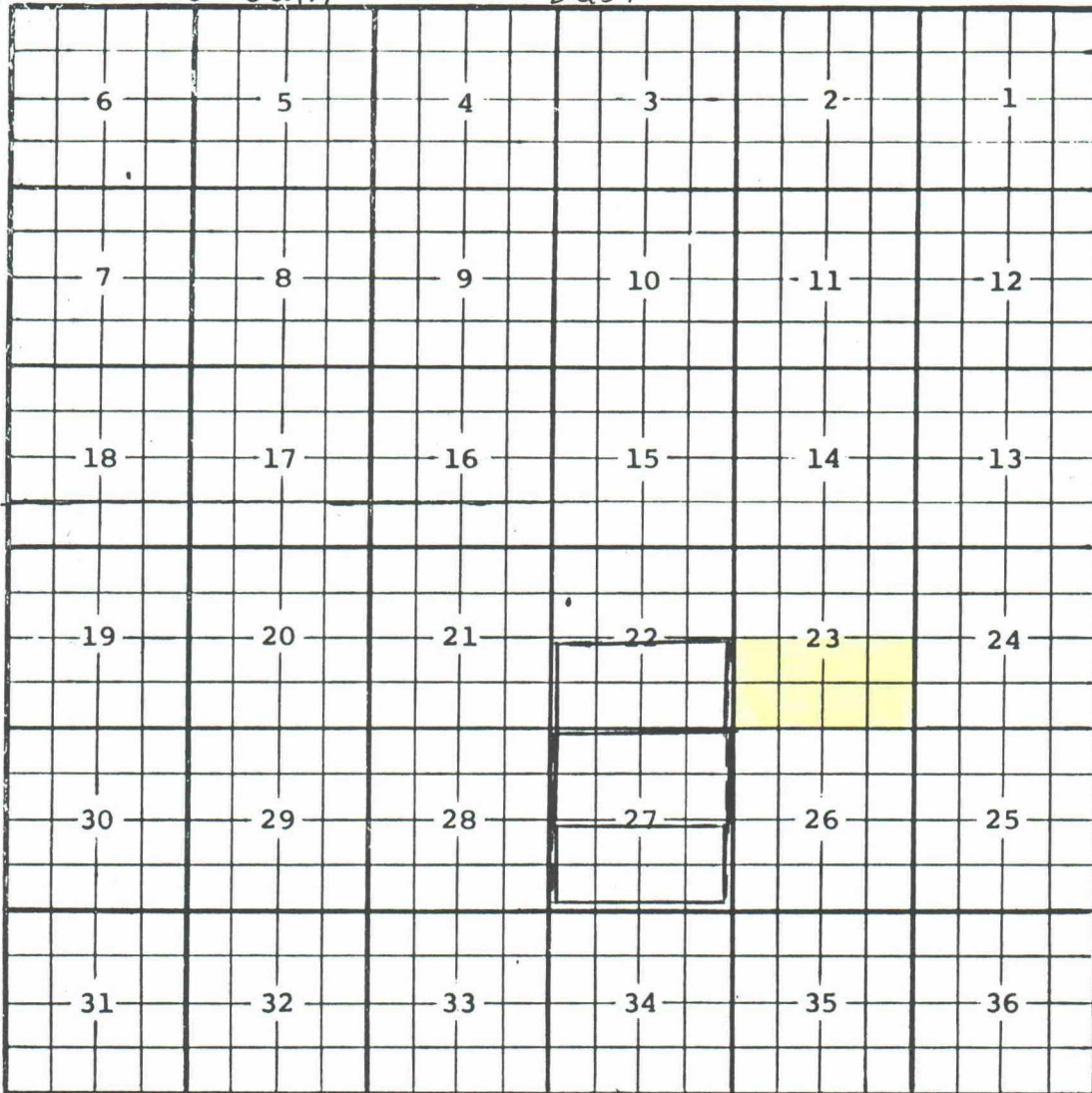
TOWNSHIP 2 South RANGE 29 East NMPM



Description:  $N/2$  Sec. 27 (R-8483, 8-13-87) EXT:  $S/2$  SEC 22 (R-8626, 4/1/88)  
EXT:  $S/2$  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:  $\frac{5}{2}$  Sec. 22 (R-8340, 11-3-86) EXT:  $\frac{N}{2}$  Sec. 27 (R-8483, 8-13-87)  
EXT:  $\frac{5}{2}$  SEC 22 (R-8626, 4/1/88)

STATE OF NEW MEXICO  
ENERGY, MINERALS, AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
DIVISION FOR THE PURPOSE OF  
CONSIDERING:

CASE NO. 9308  
Order No. R-8617

APPLICATION OF MARSHALL PIPE AND  
SUPPLY COMPANY FOR AN UNORTHODOX  
GAS WELL LOCATION, ROOSEVELT COUNTY,  
NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 8:15 a.m. on March 16, 1988, at Santa Fe, New Mexico, before Examiner David R. Catanach.

NOW, on this 23rd day of March, 1988, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS THAT:

(1) Due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.

(2) The applicant, Marshall Pipe and Supply Company, seeks approval of an unorthodox gas well location 990 feet from the South line and 660 feet from the West line (Unit M) of Section 23, Township 2 South, Range 29 East, NMPM, to test the Ordovician and Pennsylvanian formations, Undesignated Tule-Montoya and Undesignated Tule-Pennsylvanian Gas Pools, Roosevelt County, New Mexico.

(3) The applicant proposes to dedicate the S/2 of said Section 23 to the above described well forming a standard 320-acre gas spacing and proration unit within the described pool(s).



(4) The applicant presented geologic testimony which indicates that a well drilled at the proposed unorthodox location would penetrate the Ordovician and Pennsylvanian formations at a more structurally advantageous position than a well drilled at a standard location thereon, thereby allowing the applicant to better produce the gas underlying the proration unit.

(5) All affected offset acreage is owned by the same working interest owners who will be participating in the drilling of the subject well.

(6) No other offset operator objected to the proposed unorthodox location.

(7) Approval of the subject application will afford the applicant the opportunity to produce its just and equitable share of the gas in the subject pool, will prevent the economic loss caused by the drilling of unnecessary wells, avoid the augmentation of risk arising from the drilling of an excessive number of wells, and will otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED THAT:

(1) The applicant, Marshall Pipe and Supply Company, is hereby authorized to drill a gas well at an unorthodox location 990 feet from the South line and 660 feet from the West line (Unit M) of Section 23, Township 2 South, Range 29 East, NMPM, to test the Ordovician and Pennsylvanian formations, Undesignated Tule-Montoya and Undesignated Tule-Pennsylvanian Gas Pools, Roosevelt County, New Mexico.

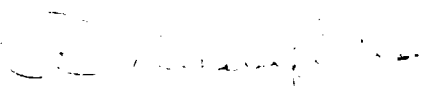
(2) The S/2 of said Section 23 shall be dedicated to the above described well.

(3) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

CASE NO. 9308  
Order No. R-8617  
Page -3-

DONE at Santa Fe, New Mexico, on the day and year  
hereinabove designated.

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION

  
WILLIAM J. LEMAY  
Director

S E A L



STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

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

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

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  
MARSHALL PIPE & SUPPLY COMPANY

Address  
13423 Forestway Dr., Dallas, Texas 75240

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)

If change of ownership give name and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name Perry	Well No. 1	Pool Name, including Formation Tule-Pennsylvanian	Kind of Lease State, Federal or Fee	Lease No. Fee
Location Unit Letter M : 990 Feet From The South Line and 660 Feet From The West Line of Section 23 Township T2S, Range R29E, NMPM, Roosevelt County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS


Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/> KOCH OIL COMPANY	Address (Give address to which approved copy of this form is to be sent) Box 1558, Breckenridge, Tex. 76024
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> DOMINION GAS, DOMINION GAS VENTURES, INC.	Address (Give address to which approved copy of this form is to be sent) 4609 Pendleton Court Grand Prairie, Texas 75052
If well produces oil or liquids, give location of tanks. Unit M Sec. 23 Twp. T2S Rge. R29E	Is gas actually connected? <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Yes When 10-25-88 (if approved)

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.

  
J. W. Marshall (Signature) Operator

10-20-88, 214-239-7284

(Title)

(Date)

OIL CONSERVATION DIVISION

APPROVED  , 19

BY 

TITLE DISTRICT 1 SUPERVISOR

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.

#### IV. COMPLETION DATA

Designate Type of Completion - (X)		Oil Well	Gas Well XX	New Well X	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
Date Spudded 8-10-88	Date Compl. Ready to Prod. 10-18-88	Total Depth 7275			P.B.T.D. 7100				
Elevations (DF, RKB, RT, GR, etc.) 4382 GL/4392 KB	Name of Producing Formation Tule-Pennsylvanian	Top Oil/Gas Pay 7034 7006, 6948 and 6825				Tubing Depth 6992			
Perforations 6825-7044						Depth Casing Shoe			

#### TUBING, CASING, AND CEMENTING RECORD

MOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
17-1/2"	13-3/8"	343	300
11"	8-5/8"	2168	200 and 550
7-7/8"	5-1/2"	7274'	250
5-1/2"	2-3/8"	6992	

#### V. TEST DATA AND REQUEST FOR ALLOWABLE (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 4.153 MCF	Length of Test 24 hours	Bbls. Condensate/MMCF 4.50	Gravity of Condensate 61.7
Testing Method (prior, back pr.) flowing	Tubing Pressure (shut-in) 1883	Casing Pressure (shut-in) 1903	Choke Size 18/64

REC

OCT 21 1988

MOBAS OFFICE

## OIL CONSERVATION DIVISION

*Shirley*

**Hobbs**  
P.O. Box 1980  
Hobbs, NM 88240

**Artesia**  
P.O. Drawer DD  
Artesia, NM 88210

**Aztec**  
1000 Rio Brazos  
Aztec, NM 87410

## NOTICE OF GAS WELL CONNECTION / RECONNECTION / DISCONNECTION

This is to notify the Oil Conservation Division of the following:

Connection XX First Delivery 10-25-88 3.89  
Date Initial Potential

Reconnection        First Delivery                
Date Initial Potential

Disconnection       

for delivery of gas from the MARSHALL PIPE & SUPPLY COMPANY

Operator

PERRY

Lease

Transwestern Dominion Gas  
009011 System

Meter Code Site Code

1 M Sec. 23, T2S, R29E  
Well No. Unit Letter S-T-R

TULE-PENNSYLVANIAN

Pool

was made on 10-25-88  
21.513 date

AOF

15/64 / 14/64

Choke

DOMINION GAS, DOMINION GAS VENTURES, INC.

Transporter

OCD use only

County Ro

Land Type Pat

Liq. Transporter Kec

Lucien J. Tujague, Jr., President

Representative Name/Title  
(Please type or print)

Lucien J. Tujague, Jr.  
Representative Signature

Dominion Gas  
4609 Pendleton Court  
Grand Prairie, Texas 75052

Submit in duplicate to the appropriate district office.

OIL CONSERVATION DIVISION

P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

Revised 10-1-78

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease  
State ☐ Fee ☒

5. State Oil & Gas Lease No.

1a. TYPE OF WELL  
OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐  
b. TYPE OF COMPLETION  
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESERV. ☐ OTHER ☐

7. Unit Agreement Name

8. Farm or Lease Name

Perry

9. Well No.

1

2. Name of Operator  
MARSHALL PIPE & SUPPLY COMPANY

3. Address of Operator  
13423 Forestway Drive, Dallas, Texas 75240

10. Field and Pool, or Wildcat  
TULE-PENNSYLVANIA

4. Location of Well

UNIT LETTER M LOCATED 990 FEET FROM THE South LINE AND 660 FEET FROM

THE West LINE OF SEC. 23 TWP. T2S RGE. R29E NMPM

12. County

Roosevelt

15. Date Spudded 8-10-88 16. Date T.D. Reached 8-31-88 17. Date Compl. (Ready to Prod.) 10-18-88 18. Elevations (DF, RKB, RT, GR, etc.) 4382' GL 19. Elev. Casinghead 4392' KB

20. Total Depth 7275' 21. Plug Back T.D. 7100' 22. If Multiple Compl., How Many ONE 23. Intervals Drilled By Rotary Tools Cable Tools Rotary

24. Producing Interval(s), of this completion - Top, Bottom, Name  
TULE-PENNSYLVANIAN: 7034 to 7044, 7006 to 7014', 6948 to 6958, 6825 to 6830

25. Was Directional Survey Made  
No

26. Type Electric and Other Logs Run Schlumberger Compensated Neutron/Litho-Density Log, Dual Laterolog, Litho Cyberlook 27. Was Well Cored No

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

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	68#	343	17-1/2"	300 sacks Prem/2%CaCl	none
8-5/8"	24#	2168	11"	200 "Prem/550 Lt/2%CaCl	None
5-1/2"	17#	7274	7-7/8"	250 sacks Prem.	None
				Top of cement 6080'	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8"	6992	6992

31. Perforation Record (Interval, size and number)

Tule-Pennsylvanian: 7034 to 7044, 31 holes  
7006 to 7014', .34/25 holes,  
6948 to 6958', .34/31 holes  
6825 to 6830', .34/21 holes

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
7034 to 44	
and 7006 to 14	3000 Gal 15% MCA
6948 to 58	3000 Gal 15% MCA
6825 to 30	3000 Gal 15% MCA

33. PRODUCTION

Date First Production Shut In	Production Method (Flowing, gas lift, pumping - Size and type pump)	Well Status (Prod. or Shut-in)
	Flow Pennsylvanian	Shut In
Date of Test 10-14-88 10-18-88	Hours Tested 4 2	Choke Size Various
Flow Tubing Press. 1883 - 1825	Casing Pressure 903-1426	Prod'n. For Test Period 4.50
		Oil - Bbl. .75 Gas - MCF 493 to 1499 Water - Bbl. 4.153 to 908
		Gas - Oil Ratio 4.30
		Oil Gravity - API (Corr.) 61.7@ 60°

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

Vent

Test Witnessed By  
John West

35. List of Attachments

C-122

36. 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

J. W. Marshall

Partner/Operator

TITLE

DATE

10-20-88

## 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 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. 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 _____	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 <u>7140</u>	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzte _____
T. Glorieta <u>3243</u>	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb <u>4654</u>	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Lawrence Sand _____	T. Entrada _____	T. _____
T. Abo <u>5278</u>	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp <u>5996</u>	T. <u>Pre-Cambrian: 7203</u>	T. Chinle _____	T. _____
T. Penn. <u>6492</u>	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

## OIL OR GAS SANDS OR ZONES

No. 1, from		Gas :		7034		to		7044	
No. 2, from		Gas :		6948		to		6958	
No. 3, from		Gas :		6825		to		6830	
No. 4, from		Gas :		7006		to		7014	
No. 5, from		Gas :		6948		to		6958	
No. 6, from		Gas :		6825		to		6830	

## 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.  
 No. 4, from ..... to ..... feet.

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation
0	1668	1668	red bed, sand, lm, shale
1668	1987	319	red shale, lime
1987	3340	1353	Anhydrite and Dolomite
3340	5439	2099	Abo Shale, lime
5439	6991	1552	Lime and shale
6991	7052	61	Pennsylvanian Lime
7052	7165	113	" Lime and Sand
7165	7203	38	Montoya Crystal Dolomite
7203	7275	72	Pre-Cambrian/Granite

DRILL STEM TEST #1:  
7012' to 7053'  
choke: bottom 3/4"  
top: 3/8"  
Gas to surface in 3 Mi  
IFP: 2108 to 2153  
ISIP: 2485  
FFP: 2153 to 2197  
FSIP: 2485  
IHP: 3878  
FHP: 3834  
Recovered: RECOVERED  
Gas to Sur. 3 Min.  
145' Condensate

# RAILROAD COMMISSION OF TEXAS OIL AND GAS DIVISION

Form W-12  
(1-1-71)

<b>INCLINATION REPORT</b> (One Copy Must Be Filed With Each Completion Report.)		6. RRC District
		7. RRC Lease Number. (Oil completions only)
1. FIELD NAME (as per RRC Records or Wildcat) <b>TULE-PENNSYLVANIAN</b>	2. LEASE NAME <b>Perry</b>	8. Well Number <b>1</b>
3. OPERATOR <b>Marshall Pipe &amp; Supply Company</b>		9. RRC Identification Number (Gas completions only)
4. ADDRESS <b>13423 Forestway Drive, Dallas, Texas 75240</b>		10. County <b>Roosevelt, New Mexico</b>
5. LOCATION (Section, Block, and Survey) <b>Unit M, Section 23, T2S, R29E, Roosevelt County, New Mexico</b>		

990/2 + 660/W

## RECORD OF INCLINATION

*11. Measured Depth (feet)	12. Course Length (Hundreds of feet)	*13. Angle of Inclination (Degrees)	14. Displacement per Hundred Feet (Sine of Angle X100)	15. Course Displacement (feet)	16. Accumulative Displacement (feet)
371'	3.71'	1°	1.75	6.50	6.50'
896'	5.25'	1°	1.75	9.19	15.69'
1443'	5.47'	1 1/2°	2.62	14.35	30.04'
1940'	4.97'	2°	3.49	17.35	47.39'
2175'	2.35'	1 1/4°	2.18	5.13	52.52'
2683'	5.08'	3/4°	1.31	6.66	59.18'
3181'	4.98'	1°	1.75	8.72	67.90'
3679'	4.98'	1°	1.75	8.72	76.62'
4177'	4.98'	1 1/4°	2.18	10.86	87.48'
4684'	5.07'	1°	1.75	8.88	96.36'
5170'	4.86	1 1/2°	2.62	12.74	109.10'
5660'	4.90'	1 1/4°	2.18	10.69	119.79'
6061'	4.01'	1°	1.75	7.02	126.18'
6651'	5.90'	1 1/4°	2.18	12.87	139.68'
6994'	3.43'	3/4°	1.31	4.50	144.18'
7275'	2.81'	1°	1.75	4.92	149.10'

If additional space is needed, use the reverse side of this form.

17. Is any information shown on the reverse side of this form? ☐ yes ☒ no
18. Accumulative total displacement of well bore at total depth of 7275 feet = 149.10 feet.
- \*19. Inclination measurements were made in - ☐ Tubing ☐ Casing ☐ Open hole ☒ Drill Pipe
20. Distance from surface location of well to the nearest lease line Special Permit: 660 feet.
21. Minimum distance to lease line as prescribed by field rules 660 feet.
22. Was the subject well at any time intentionally deviated from the vertical in any manner whatsoever? NO
- (If the answer to the above question is "yes", attach written explanation of the circumstances.)

<p><b>INCLINATION DATA CERTIFICATION</b></p> <p>I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have personal knowledge of the inclination data and facts placed on both sides of this form and that such data and facts are true, correct, and complete to the best of my knowledge. This certification covers all data as indicated by asterisks (*) by the item numbers on this form.</p> <p><i>Jack Houston</i> Signature of Authorized Representative</p> <p><b>Jack Houston - President</b> Name of Person and Title (type or print)</p> <p><b>Jack Houston Drilling, Inc.</b> Name of Company</p> <p>Telephone: <u>(817) 872-3221</u> Area Code</p>	<p><b>OPERATOR CERTIFICATION</b></p> <p>I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have personal knowledge of all information presented in this report, and that all data presented on both sides of this form are true, correct, and complete to the best of my knowledge. This certification covers all data and information presented herein except inclination data as indicated by asterisks (*) by the item numbers on this form.</p> <p><i>J. W. Marshall</i> Signature of Authorized Representative</p> <p><b>J. W. Marshall - Operator</b> Name of Person and Title (type or print)</p> <p><b>MARSHALL PIPE &amp; SUPPLY CO.,</b> Operator</p> <p>Telephone: <u>214 - 239-7284</u> Area Code</p>
---	---

Railroad Commission Use Only:

Approved By: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_

\* Designates items certified by company that conducted the inclination surveys.

## RECORD OF INCLINATION (Continued from reverse side)

[illegible]

If additional space is needed, attach separate sheet and check here. ☐

REMARKS: \_\_\_\_\_

- INSTRUCTIONS -

An inclination survey made by persons or concerns approved by the Commission shall be filed on a form prescribed by the Commission for each well drilled or deepened with rotary tools or when, as a result of any operation, the course of the well is changed. No inclination survey is required on wells that are drilled and completed as dry holes that are plugged and abandoned. (Inclination surveys are required on re-entry of abandoned wells.) Inclination surveys must be made in accordance with the provisions of Statewide Rule 11.

This report shall be filed in the District Office of the Commission for the district in which the well is drilled, by attaching one copy to each appropriate completion for the well. (except Plugging Report)

The Commission may require the submittal of the original charts, graphs, or discs, resulting from the surveys.

**NEW MEXICO OIL CONSERVATION COMMISSION**  
**MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL**

Form C-122  
 Revised 2-1-65

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special				Test Date <b>10-18-88</b>	
Company <b>MARSHALL PIPE &amp; SUPPLY</b>				Connection <b>TO AIR</b>	
Pool <b>TULE-PENNSYLVANIAN</b>				County <b>PENN</b>	
Completion Date		Total Depth <b>7275</b>		Elevation <b>4382 GL</b>	
Csg. Size <b>5 1/2</b>		Set At <b>7275</b>		Perforations: <b>6825 to 6830</b> From <b>6948</b> To <b>6958</b>	
Tub. Size <b>2 3/8</b>		Set At <b>6992</b>		Perforations: <b>7006 to 7014</b> From <b>7034</b> To <b>7044</b>	
Type Well - Single - (Ardenhead - G.O. or G.O. Multiple) <b>SINGLE</b>				Packer Set At <b>6992</b>	
Producing thru <b>TBG</b>		Reservoir Temp. °F <b>60°</b>		Baro. Press. - P <sub>a</sub> <b>13.2</b>	
L <b>7006</b>		H <b>7006</b>		G <sub>g</sub> <b>.670</b>	
% CO <sub>2</sub> <b>.48</b>		% N <sub>2</sub> <b>7.62</b>		% H <sub>2</sub> S <b>0</b>	
Prover <b>4.026</b>		Meter Run <b>4.026</b>		Tips <b>FLG</b>	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h <sub>w</sub>	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							1883			CHOKE	24
1.	4 X 2.000			470	60.00	93	1526			24/64	30MIN
2.	4 X 2.000			470	32.00	98	1692			18/64	30MIN
3.	4 X 2.000			460	11.00	89	1776			12/64	30MIN
4.	4 X 2.000			450	3.00	92	1825			6/64	30MIN
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P <sub>m</sub>	Flow Temp. Factor F <sub>t</sub>	Gravity Factor F <sub>g</sub>	Super Compress. Factor, F <sub>sp</sub>	Rate of Flow Q, Mcfd
1	19.81	170.27	483.2	.9697	1.222	1.039	4.153
2	19.81	124.35	483.2	.9653	1.222	1.039	3.019
3	19.81	72.15	473.2	.9732	1.222	1.038	1.764
4	19.81	37.28	463.2	.9706	1.222	1.037	.908
5							

NO.	P <sub>r</sub>	Temp. °R	T <sub>r</sub>	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1	.73	553	1.52	.927	<u>no condensate produced</u>				*657	*362
2	.73	558	1.54	.927						
3	.72	549	1.51	.928						
4	.70	552	1.52	.930						
5										

NO.	P <sub>r</sub>	P <sub>w</sub>	P <sub>w</sub> <sup>2</sup>	P <sub>r</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>
1			2769.2	826.4
2			3116.6	479.0
3			3272.3	323.3
4			3397.7	197.9
5				

(1)  $\frac{P_r^2}{P_r^2 - P_w^2} = 4.351$

(2)  $\left[ \frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 4.351$

W.F. = 0  $\left[ \frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 18.070$

$P_r = 1896.2$   $P_r^2 = 3595.6$

Absolute Open Flow	<b>18.070</b>	Mcfd @ 15.025	Angle of Slope @	<b>45</b>	Slope, n	<b>1.000</b>
--------------------	---------------	---------------	------------------	-----------	----------	--------------

Remarks: **\*Corrected For 7.62% N<sub>2</sub>**

**OCT 25 1988** Well made 4.30 BBL H<sub>2</sub>O During Test

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	<b>W.S.</b>	<b>B.M.</b>	<b>B.M.</b>

**DISTRICT 1 SUPERVISOR**



# WORKSHEET FOR CALCULATION OF LOG OIL COLUMN WELLHEAD MEASURE (P<sub>o</sub>)

C-122D  
Revised 8-1-85

COMPANY MARSHALL PIPE SUPPLY LEASE PERKY WELL NO. 1 (766) DATE 10-17-84

LOCATION: Unit M1 Section 23 Township 2-S Range 29

7606 7606 LN 1.000 G 6.670 %CO<sub>2</sub> .48 %N<sub>2</sub> 2.62 %H<sub>2</sub>S 0

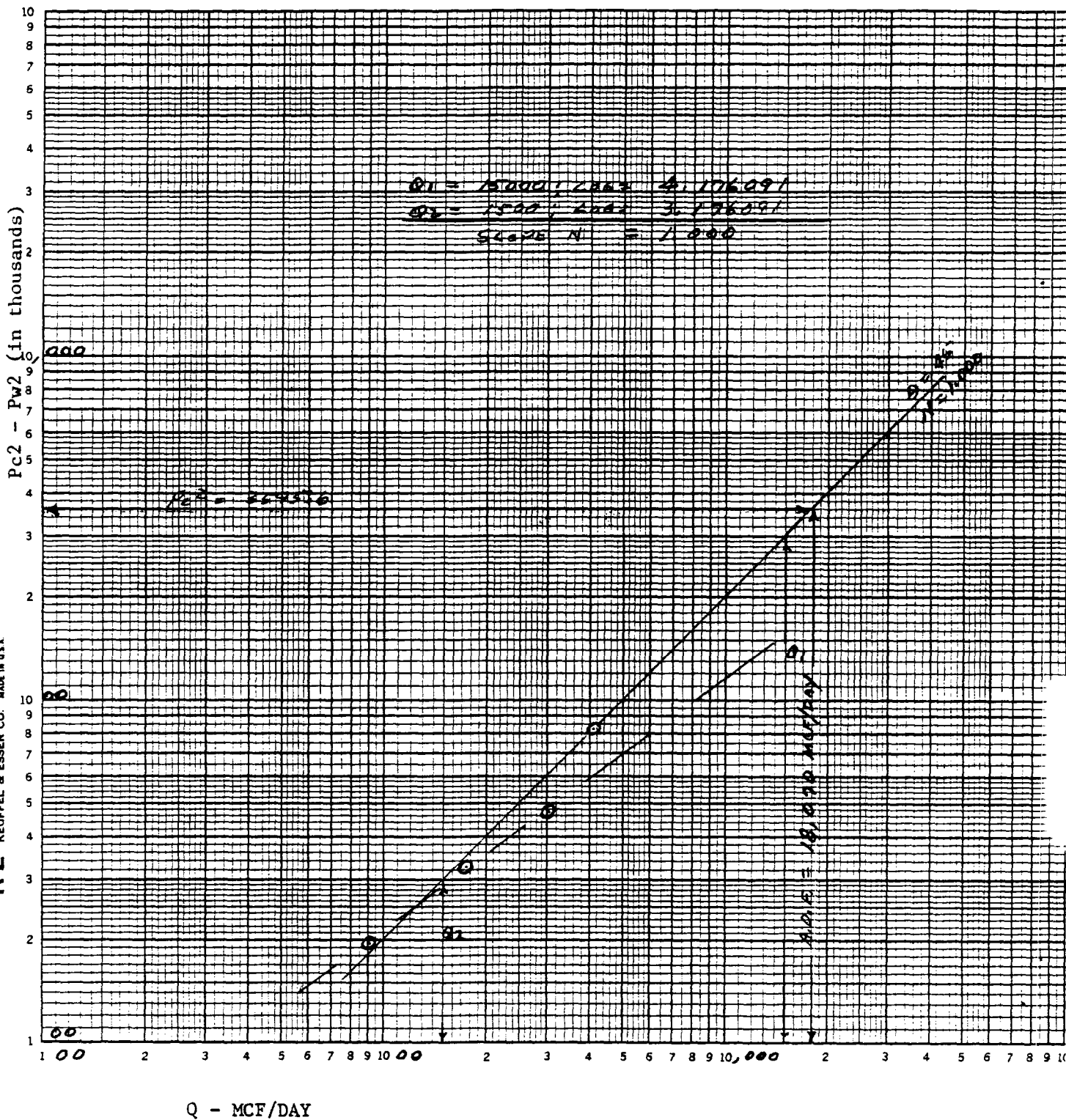
Corrected to 7.6270 M2 d 1.945 F<sub>r</sub> .018231 GH 4694.0 P<sub>cr</sub> 457 \* T<sub>cr</sub> 362 \*

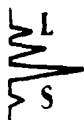
LINE	1st	2nd	1st	2nd	1st	2nd	1st	2nd
1 Q <sub>m</sub>	4.153	4.153	3.019	3.019	1.764	1.764	.908	.908
2 T <sub>w</sub> (W.H. °R)	534	534	534	534	534	534	534	534
3 T <sub>g</sub> (B.H. °R)	605	605	605	605	605	605	605	605
4 T = (T <sub>w</sub> + T <sub>g</sub> )	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
5 Z (Est.)	.803	.787	.791	.779	.786	.777	.783	.775
6 T <sub>Z</sub>	484.2	474.5	426.9	465.7	473.9	468.5	472.1	467.3
7 GH/T <sub>Z</sub>	9.694	9.891	9.841	9.992	9.503	10.018	9.991	10.044
8 e <sup>s</sup> (Table XIV)	1.438	1.449	1.446	1.454	1.449	1.456	1.451	1.457
9 1-e <sup>s</sup> (Table XIV)	.304	.309	.308	.312	.310	.313	.311	.313
10 P <sub>i</sub>	1539.2	1539.2	1705.2	1705.2	1789.2	1789.2	1838.2	1838.2
11 P <sub>i</sub> <sup>2</sup> /1000	2369.1	2369.1	2907.7	2907.7	3201.2	3201.2	3379.0	3379.0
12 F <sub>r</sub> (Table XV)	.018231	.018231	.018231	.018231	.018231	.018231	.018231	.018231
13 F <sub>c</sub> = F <sub>r</sub> T <sub>Z</sub>	8.827	8.451	8.695	8.563	8.640	8.541	8.607	8.515
14 F <sub>c</sub> Q <sub>m</sub>	36.46	35.9	26.2	25.8	15.2	15.0	7.8	7.7
15 L/H (F <sub>c</sub> Q <sub>m</sub> ) <sup>2</sup>	1344.0	1291.0	489.1	668.4	232.3	227.0	61.0	59.8
16 F <sub>w</sub> = L/H (F <sub>c</sub> Q <sub>m</sub> ) <sup>2</sup> (1-e <sup>-9</sup> )	409.6	400.0	212.6	208.9	72.0	71.1	19.0	18.7
17 P <sub>w</sub> <sup>2</sup> = P <sub>i</sub> <sup>2</sup> + F <sub>w</sub>	2778.7	2763.2	3120.3	3116.6	3273.3	3272.3	3397.9	3397.7
18 P <sub>g</sub> <sup>2</sup> = e <sup>s</sup> P <sub>w</sub> <sup>2</sup>	3996.9	4012.7	4513.1	4533.4	4745.4	4769.5	4933.2	4957.9
19 P <sub>g</sub>	1999.2	2003.1	2124.4	2129.1	2178.4	2182.7	2221.0	2225.2
20 P = (P <sub>i</sub> + P <sub>g</sub> )	1263.2	1771.1	1914.8	1917.1	1983.8	1985.9	2029.6	2031.7
21 P <sub>r</sub> = (P/P <sub>cr</sub> )	2.69	2.69	2.91	2.91	3.02	3.02	3.05	3.09
22 T <sub>r</sub> = (T/T <sub>cr</sub> )	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57
23 Z (Table XI)	.787	.787	.779	.799	.777	.777	.775	.775

MARSHALL PIPE AND SUPPLY  
 PERRY NO: 1  
 AUGUST 17, 1988 TUBEING

46 7400

K-E LOGARITHMIC 3 X 3 CYCLES  
 KEUFFEL & ESSER CO. MADE IN U.S.A.





## LABORATORY SERVICES

1331 Tasker Drive  
Hobbs, New Mexico 88240

Telephone: 505-397-3713

FOR: John West Engineering  
Hobbs, N. M.

SAMPLE IDENTIFICATION: Perry # 1 Tubing  
COMPANY: Marshall Pipe & Supply  
LEASE:  
PLANT:

SAMPLE DATA: DATE SAMPLED: 10/15/88  
ANALYSIS DATE: 10/17/88  
PRESSURE — PSIG:  
TEMPERATURE — °F:

GAS (X) LIQUID ( )  
SAMPLED BY: John West Engineering  
ANALYSIS BY: Rolland Perry

REMARKS:

### COMPONENT ANALYSIS

COMPONENT		MOL PERCENT	GPM	LIQ. VOL. PERCENT
Hydrogen Sulfide	(H2S)	0		
Nitrogen	(N2)	7.62		
Carbon Dioxide	(CO2)	0.48		
Methane	(C1)	82.40		
Ethane	(C2)	5.22	1.332	
Propane	(C3)	2.53	0.697	
I-Butane	(IC4)	0.33	0.108	
N-Butane	(NC4)	0.78	0.246	
I-Pentane	(IC5)	0.22	0.081	
N-Pentane	(NC5)	0.21	0.076	
Hexane	(C6)	0.07	0.032	
Heptanes Plus	(C7 + )	0.14	0.078	

100.00 2.650

BTU/CU. FT. — DRY 1054  
At 14.650 WET 1036

SPECIFIC GRAVITY — CALCULATED 0.670  
MEASURED

VAPOR PRESSURE (ABSOLUTE) — CALCULATED

26# GASOLINE — 0.353

CU. FT./GAL. —

## HALLIBURTON DIVISION LABORATORY

HALLIBURTON SERVICES

MIDLAND DIVISION

HOBBS, NEW MEXICO 88240

## LABORATORY WATER ANALYSIS

No. \_\_\_\_\_

To Marshall Pipe & SupplyDate October 18, 1988

This report is the property of Halliburton Company and neither it nor any part thereof nor a copy thereof is to be published or disclosed without first securing the express written approval of laboratory management; it may however, be used in the course of regular business operations by any person or concern and employees thereof receiving such report from Halliburton Company.

Submitted by \_\_\_\_\_ Date Rec. \_\_\_\_\_

Well No. Parr. #1 Depth \_\_\_\_\_ Formation \_\_\_\_\_

County \_\_\_\_\_ Field \_\_\_\_\_ Source \_\_\_\_\_

Resistivity \_\_\_\_\_ 1078 @ 70° \_\_\_\_\_Specific Gravity \_\_\_\_\_ 1.115 \_\_\_\_\_pH \_\_\_\_\_ 5.9 \_\_\_\_\_Calcium (Ca) \_\_\_\_\_ 13.550 \_\_\_\_\_ \*MPLMagnesium (Mg) \_\_\_\_\_ 2610 \_\_\_\_\_Chlorides (Cl) \_\_\_\_\_ 95000 \_\_\_\_\_Sulfates (SO<sub>4</sub>) \_\_\_\_\_ light \_\_\_\_\_Bicarbonates (HCO<sub>3</sub>) \_\_\_\_\_ 120 \_\_\_\_\_Soluble Iron (Fe) \_\_\_\_\_ moderate \_\_\_\_\_

Remarks: \_\_\_\_\_

\*Milligrams per liter

Respectfully submitted,

Analyst: John Thompson

HALLIBURTON COMPANY

cc: \_\_\_\_\_

By \_\_\_\_\_

CHEMIST

## NOTICE

THIS REPORT IS LIMITED TO THE DESCRIBED SAMPLE TESTED. ANY USER OF THIS REPORT AGREES THAT HALLIBURTON SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE, WHETHER IT BE TO ACT OR OMISSION, RESULTING FROM SUCH REPORT OR ITS USE.

**NEW MEXICO OIL CONSERVATION COMMISSION**  
**MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL**

Form C-122  
 Revised 9-1-65

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special    Test Date <u>10-24-88</u>		Company MARSHALL PIPE AND SUPPLY    Connection TO AIR	
Pool TULE-PENNSYLVANIAN    Formation PENN		Unit	
Completion Date	Total Depth 7275	Plug Back TO	Elevation 4382 GL
Firm or Lease Name PERRY		Well No.	
Cas. Size 5 1/2	Wt. 17	Set At 7275	Perforations: 6825 to 6830 From 6948 To 6958
Tub. Size 2 3/8	Wt. 4.7	Set At 6992	Perforations: 7006 to 7014 From 7034 To 7044
Type Well - Single - Riddenhead - G.C. or G.N. Multiple SINGLE		Packer Set At 6992	Country ROOSEVELT
Producing Thru CSG	Reservoir Temp. °F 144 @ 6948	Mean Annual Temp. °F 60°	Baro. Press. - P <sub>a</sub> 13.2
L 6948	H 6948	G <sub>g</sub> .687	% CO <sub>2</sub> 2.62
		% N <sub>2</sub> 7.22	% H <sub>2</sub> S 0
		Prover	Meter Run 4.026
			FLG

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow		
NO.	Prover Line Size	x	Orifice Size	Press. P.S.I.G.	Diff. In. H <sub>2</sub> O	Temp. °F	Press. P.S.I.G.	Temp. °F	Press. P.S.I.G.	Temp. °F	Duration of Flow
SI							1905		1903	CHOKE	76 HRS
1.	4 X 1.000			440	16.00	86			1759	7/64	1 HR
2.	4 X 1.000			450	32.00	81			1609	9/64	1 HR
3.	4 X 1.000			450	38.00	70			1544	12/64	1 HR
4.	4 X 1.000			450	28.00	92			1426	14/64	1 HR
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P <sub>m</sub>	Flow Temp. Factor F <sub>t</sub>	Gravity Factor F <sub>g</sub>	Super Compress. Factor, F <sub>sp</sub>	Rate of Flow O. Mcfd
1.	4.753	85.15	453.2	.9759	1.206	1.036	493
2.	4.753	121.75	463.2	.9804	1.206	1.037	710
3.	4.753	132.67	463.2	.9905	1.206	1.042	785
4.	10.84	113.88	463.2	.9706	1.206	1.037	1.499
5.							

NO.	R	Temp. °R	T <sub>r</sub>	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1.	.68	546	1.51	.932	194.7	61.7 @ 60°			663	362
2.	.70	541	1.49	.930						
3.	.70	530	1.46	.921						
4.	.70	552	1.52	.930						
5.										

NO.	P <sub>1</sub> <sup>2</sup>	P <sub>2</sub> <sup>2</sup>	P <sub>3</sub> <sup>2</sup>	P <sub>4</sub> <sup>2</sup>	P <sub>5</sub> <sup>2</sup>	P <sub>6</sub> <sup>2</sup>
1.			3140.9	530.9		
2.			2631.9	1039.9		
3.			2425.4	1246.4		
4.			2073.2	1598.6		
5.						

(1)  $\frac{P_1^2}{P_2^2 - P_1^2} = 2.297$

(2)  $\left[ \frac{P_1^2}{P_2^2 - P_1^2} \right]^n = 2.297$

AOF = Q  $\left[ \frac{P_1^2}{P_2^2 - P_1^2} \right]^n = 3.443$

Gas Liquid Hydrocarbon Ratio 194.7 Mcf/bbl.

A.P.I. Gravity of Liquid Hydrocarbons 61.7 @ 60° Deg.

Specific Gravity Separator Gas .687

Specific Gravity Flowing Fluid XXXXXX

Critical Pressure 663 P.S.I.A.

Critical Temperature 362 °R

Absolute Open Flow <u>3.443</u> Mcfd @ 15.025	Angle of Slope @ <u>45</u>	Slope, n <u>1.000</u>
---	----------------------------	-----------------------

Remarks: Made 75 gals 61.7 Condensate during test

**OCT 25 1988**

Approved By <u>[Signature]</u>	Conducted By <u>W.S.</u>	Calculated By <u>B.V.</u>	Checked By <u>B.M.</u>
--------------------------------	--------------------------	---------------------------	------------------------

**DISTRICT I SUPERVISOR**

DATE \_\_\_\_\_

1

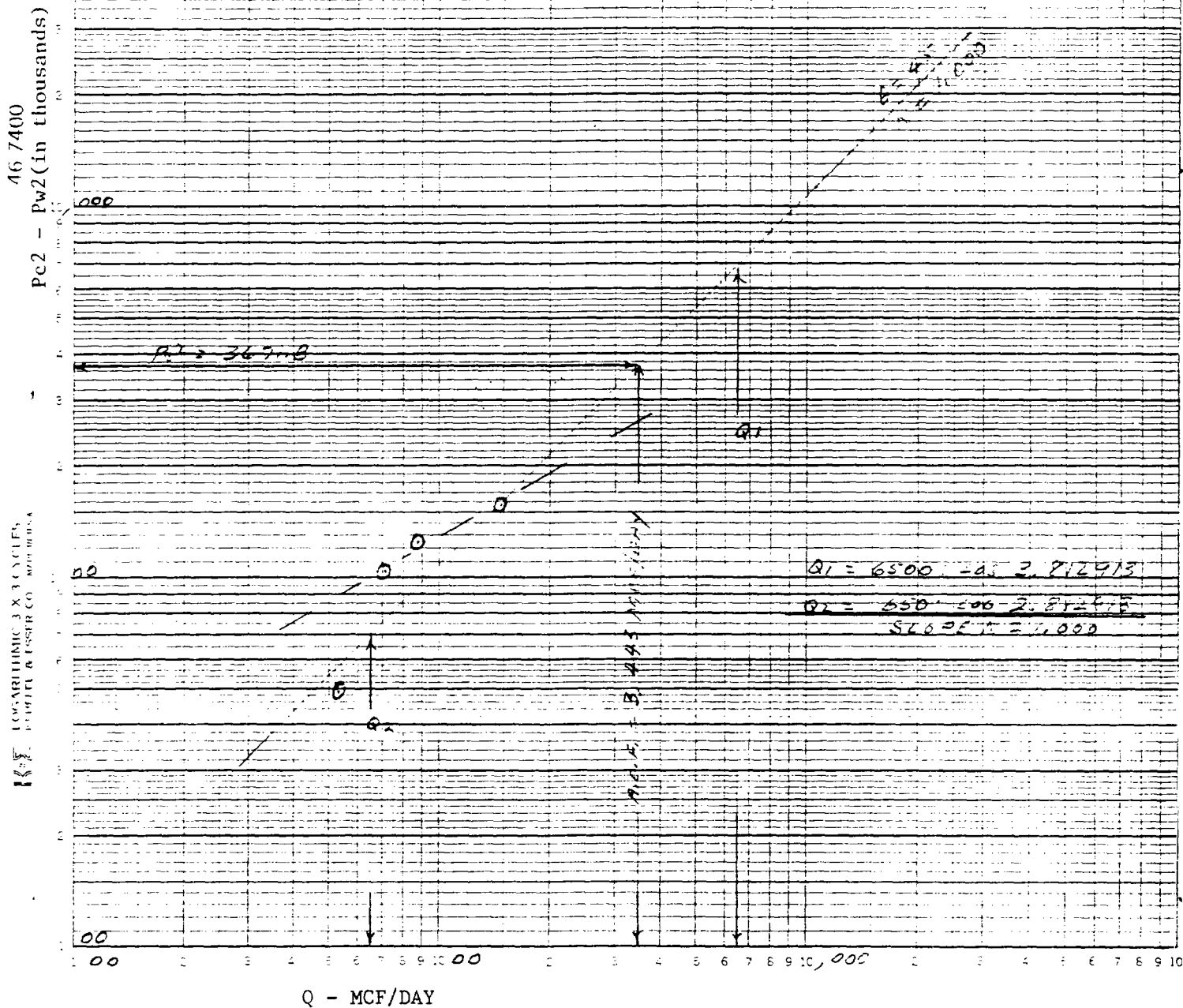
6

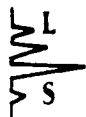
28

TABLE

One more to be filed in District Office (Work copy acceptable)

MARSHALL PIPE AND SUPPLY  
 PERRY NO: 1  
 AUGUST 15, 1988 CASEING





## LABORATORY SERVICES

1331 Tasker Drive  
Hobbs, New Mexico 88240

Telephone: 505-397-3713

FOR: John West Engineering  
Hobbs, N. M.

SAMPLE IDENTIFICATION: Perry #1 Casing  
COMPANY: Marshall Pipe & Supply  
LEASE:  
PLANT:

SAMPLE DATA: DATE SAMPLED: 10/15/88  
ANALYSIS DATE: 10/17/88  
PRESSURE — PSIG:  
TEMPERATURE — °F:

GAS (X) LIQUID ( )  
SAMPLED BY: John West Engineering  
ANALYSIS BY: Rolland Perry

REMARKS:

### COMPONENT ANALYSIS

COMPONENT		MOL PERCENT	GPM	LIQ. VOL. PERCENT
Hydrogen Sulfide	(H <sub>2</sub> S)	0		
Nitrogen	(N <sub>2</sub> )	7.22		
Carbon Dioxide	(CO <sub>2</sub> )	2.62		
Methane	(C <sub>1</sub> )	81.00		
Ethane	(C <sub>2</sub> )	5.07	1.293	
Propane	(C <sub>3</sub> )	2.37	0.653	
I-Butane	(C <sub>4</sub> )	0.31	0.101	
N-Butane	(NC <sub>4</sub> )	0.75	0.236	
I-Pentane	(C <sub>5</sub> )	0.23	0.084	
N-Pentane	(NC <sub>5</sub> )	0.24	0.087	
Hexane	(C <sub>6</sub> )	0.09	0.042	
Heptanes Plus	(C <sub>7</sub> + )	0.10	0.056	

100.00 2.552

BTU/CU. FT. — DRY 1032  
At 14.650 WET 1014

SPECIFIC GRAVITY — CALCULATED 0.687  
MEASURED

VAPOR PRESSURE (ABSOLUTE) — CALCULATED

26# GASOLINE — 0.351

CU. FT./GAL. —



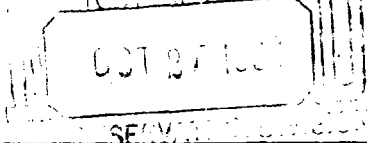
NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

OIL CONSERVATION DIVISION

P.O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-103  
Revised 10-1-



5a. Indicate Type of Lease  
State ☐ Fee ☒

5. 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 RESERVOIR.  
USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL <input type="checkbox"/> WELL GAS <input checked="" type="checkbox"/> WELL OTHER-	7. Unit Agreement Name
2. Name of Operator Marshall Pipe & Supply Company	8. Farm or Lease Name Perry
3. Address of Operator 13423 Forestway Drive, Dallas, Texas 75240	9. Well No. 1
4. Location of Well UNIT LETTER M 990 FEET FROM THE South LINE AND 660 FEET FROM THE West LINE, SECTION 23 TOWNSHIP T2S, RANGE R29E NMPM.	10. Field and Pool, or Wildcat Tule-Pennsylvanian
15. Elevation (Show whether DF, RT, GR, etc.) 4382 GL	12. County Roosevelt

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 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 JOB <input type="checkbox"/>	
		OTHER Perforations: <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) SEE RULE 1703.

PERFORATED CASING: Montoya Formation: 7174 to 7184'  
Not productive, set plug at 7135', (Permanent)  
5 sacks cement at 7135', top of plug back  
depth = 7100'

TULE-PENNSYLVANIAN: Pennsylvanian Formation:  
7034 to 7044,  
7006 to 7014,  
Otis WB Packer at 6992'  
6948 to 6958'  
6825 to 6830'  
Acidized and Tested

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

SIGNED <u>J. W. Marshall</u>	TITLE <u>Operator</u>	DATE <u>10-20-88</u>
APPROVED BY <u>[Signature]</u>	TITLE <u>DISTRICT 1 SUPERVISOR</u>	DATE <u>OCT 25 1988</u>
CONDITIONS OF APPROVAL, IF ANY:		

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-103  
Revised 10-1-78

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease  
State ☐ Fee ☒  
5. 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 RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name
2. Name of Operator MARSHALL PIPE & SUPPLY COMPANY	8. Farm or Lease Name PERRY
3. Address of Operator 13423 Forestway Dr., Dallas, Texas 75240	9. Well No. 1
4. Location of Well UNIT LETTER M 990 FEET FROM THE South LINE AND 660 FEET FROM THE West LINE, SECTION 23 TOWNSHIP T2S, RANGE R29E NMPM.	10. Field and Pool, or Wildcat Tule-Penn/Tule Montoya
15. Elevation (Show whether DF, RT, GR, etc.) 4382 GL 4392 KB	12. County Roosevelt

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

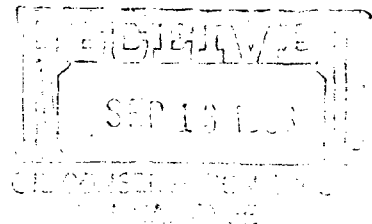
SUBSEQUENT REPORT OF:

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 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 JOB <input checked="" 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) SEE RULE 1103.

Drilled out below 8-5/8" Casing August 15th, 1988, 6:00 P.M. with 7-7/8" Hole.  
Drilled TOTAL DEPTH 7-7/8" Hole at 7275' on August 31st, 1988. Ran 189 Jts., 7275' 5-1/2" 17# Seamless, R3, J & K Casing, L T & C. drifted and tested to 5000#, and set at 7274'. Cemented with 250 sacks Premium Cement, 2/10 of 1% CFR-3, 4# salt per sack, and 500 gal mud flush, displaced with KCL water. Ran 15 centralizers and 15 scratchers. Scratched formation one hour. Good circulation through out. Plug down at 4:40 P.M. September 1st, 1988. Top of cement calculated to be 6050'. Ran Float shoe and Float Collar with Latch down Plug.

WAITING ON CEMENT



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

SIGNED J.W. Marshall J.W. Marshall Operator DATE Sept. 5th, 1988

APPROVED BY Paul J. Hunt Geologist DATE SEP 6 1988

CONDITIONS OF APPROVAL, IF ANY:

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

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

Form C-103  
Revised 10-1-78

3a. Indicate Type of Lease  
State ☐ Fee ☒  
3. 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 RESERVOIR.  
USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER-	7. Unit Agreement Name
2. Name of Operator Marshall Pipe & Supply Company	8. Farm or Lease Name Perry
3. Address of Operator 13423 Forestway Dr., Dallas, Texas 75240	9. Well No. 1
4. Location of Well UNIT LETTER M 990 FEET FROM THE South LINE AND 660 FEET FROM West 23 T2S R29E THE LINE, SECTION TOWNSHIP RANGE NMPM.	10. Field and Pool, or WHcat Tule-Montoya and/or Tule-Penn
15. Elevation (Show whether DF, RT, GR, etc.) 4382 GL, 4392 KB	12. County Roosevelt

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐  
TEMPORARILY ABANDON ☐  
PULL OR ALTER CASING ☐  
OTHER ☐  
PLUG AND ABANDON ☐  
CHANGE PLANS ☐  
OTHER ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐  
COMMENCE DRILLING OPNS. ☒  
CASING TEST AND CEMENT JOB ☒  
OTHER ☐  
ALTERING CASING ☐  
PLUG AND ABANDONMENT ☐

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.

August 10th, 1988: Started drilling at 10:45 A.M. Drilled 371' 17-1/2" hole. Set 343' 13-3/8" 68# Seamless Casing. Cemented with 300 sacks Premium Plus, 2% CaCl. Ran 2 centralizers. Cement circulated to surface. Plug down 5:15 A.M. 8-11-88.

August 15th, 1988: Drilled 11" hole to 2175'. Set 2168' 8-5/8" 24#, R3 K-55 ST&C 8rd NEW Casing. Cemented with 200 sacks Premium Cement, 2% CaCl, and 550 sacks HOWC Light Cement. Ran 4 centralizers. Cement circulated to surface. Plug down at 1:00 A.M. 8-15-88.

August 16th, 1988: Tested blowout preventer 1000# for 30 minutes, OKAY. Started out under surface 6:00 P.M. 8-15-88.

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

SIGNED J. W. Marshall TITLE Operator DATE 8-16-88  
APPROVED BY J. W. Marshall TITLE DISTRICT 1 SUPERVISOR DATE AUG 19 '88  
CONDITIONS OF APPROVAL, IF ANY:

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

3A. Indicate Type of Lease  
STATE ☐ PEE ☒  
3. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		7. Unit Agreement Name
2. Name of Operator Marshall Pipe & Supply Company		8. Farm or Lease Name Perry
3. Address of Operator 13423 Forestway Dr., Dallas, Texas 75240		9. Well No. 1
4. Location of Well UNIT LETTER M LOCATED 990 FEET FROM THE South LINE 660 FEET FROM THE West LINE OF SEC. 23 TWP. T2S R29E NMPM		10. Field and Pool, or Wildcat Tule-Montoya/Tule-PENN
		12. County Roosevelt
19. Proposed Depth 7500		19A. Formation PreCambrian
20. Rotary or C.T. Rotary		
1. Elevations (Show whether DH, RT, etc.) 4382 GL	21A. Kind & Status Plug. Bond Statewide	21B. Drilling Contractor Jack Houston Drilg, Inc.
		22. Approx. Date Work will start April 1st, 1988

23.

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	surface
11"	8-5/8"	24#	2300	circulate	surface

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 a drill stem test 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.

Signed Marshall Title Partner/Operator Date 2-3-88  
(This space for State Use)

APPROVED BY [Signature] TITLE DISTRICT 1 SUPERVISOR DATE MAR 29 1988  
CONDITIONS OF APPROVAL, IF ANY:

Permit Expires 6 Months From Approval  
Date Unless Drilling Underway.

NSL-R-8617

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

Operator <b>Marshall Pipe And Supply</b>		Lessee <b>Perry</b>		Well No. <b>1</b>
Unit Letter <b>M</b>	Section <b>23</b>	Township <b>2 South</b>	Range <b>29 East</b>	County <b>Roosevelt</b>
Actual Footage Location of Well: <b>990</b> feet from the <b>South</b> line and <b>660</b> feet from the <b>West</b> line				
Ground Level Elev. <b>4382</b>	Producing Formation <b>Montoya &amp; Penn.</b>	Pool <b>Tule-Montoya Tule-Penn</b>	Dedicated Acreage: <b>320 if gas</b>	

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 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 unit, eliminating such interests, has been approved by the Division.

#### CERTIFICATION

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

Name **J. W. Marshall**

Position **Partner/Operator**

Company  
**MARSHALL PIPE & SUPPLY**

Date  
**February 3rd, 1988**

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.

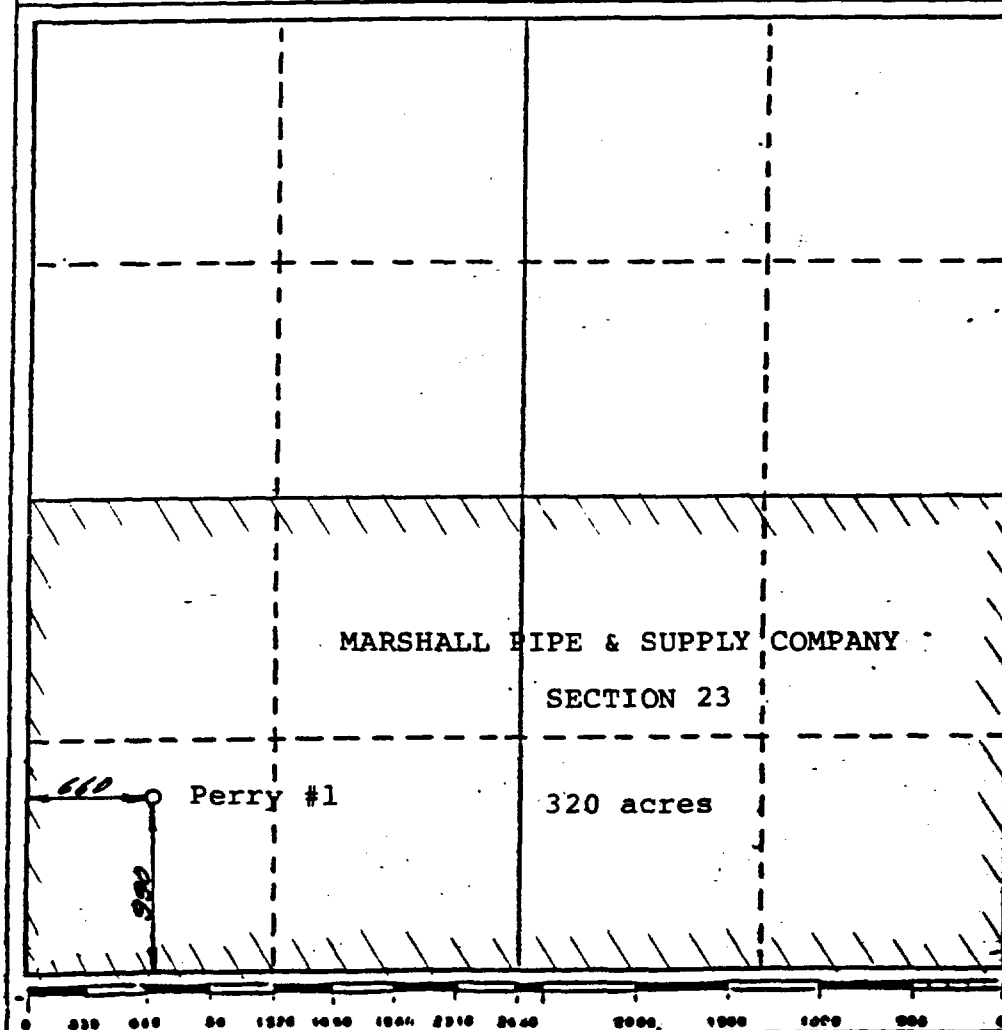
**January 29, 1988**

Date Surveyed  
**P. R. Patton**

Registered Land Surveyor

**8112**

Certificate No.



17

[illegible]

**RIC #2 BLOW\_OUT EQUIPMENT**