MARSHALL Pipe & Supply Company

Drilling Producing

13423 FORESTWAY DRIVE
DALLAS, TEXAS 75240

(214) 239-7284

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

Case 9574

November 30th, 1988

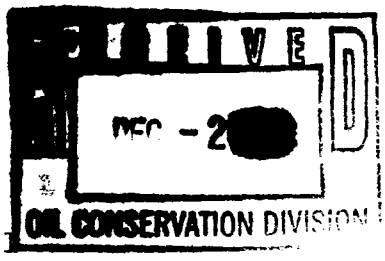
State of New Mexico
Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

For Federal Express:
310 Old Santa Fe Trail
Room 206,
Santa Fe, New Mex 87501

Re: Conversion of Marshall Pipe & Supply 2"Tub.
in Cook #1, NE/4 Section 34, T2S, R29E
to a Saltwater Disposal Well for
Tule Field, Roosevelt County, New Mexico
Montoya Formation Only. The Penn formation
in this well will be produced through 5-1/2"
casing.

Gentlemen:

We are enclosing the following:



Form C-108
Injection Well Data Sheet
Form C-108 Detail Page
Map and larger Area Plat
Form C-105 covering Wendell Best #1
Form C-105 covering Cook #1
Otis Completion Guide, Cook #1
Chemical Lab. Report, re: waters by Halliburton
Affidavit regarding faults, etc.
Letter with enclosures to Portales News Tribune
regarding Publishing of notice
Copy of letter to Landowner
Letter from Nicor Exploration Company
respectfully requesting granting approval

We will rush the clipping and affidavit of publishing from Portales News Tribune as soon as we receive same.

Thanking you, we are,

Very truly yours,

MARSHALL PIPE & SUPPLY COMPANY

J. W. Marshall
JWM;vlj

encl: FEDERAL EXPRESS

cc: Oil Conservation Division
P.O. Box 1980
Hobbs, New Mexico 88241-1980

cc: Working Interest Owners

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501

FORM C-108
Revised 7-1-81

Case 9574

APPLICATION FOR AUTHORIZATION TO INJECT

I. Purpose: ☐ Secondary Recovery ☐ Pressure Maintenance ☒ Disposal ☐ Storage
Application qualifies for administrative approval? ☐ yes ☐ no

II. Operator: Marshall Pipe & Supply Co.,

Address: 13423 Forestway Dr., Dallas, Texas 75240

Contact party: J. W. Marshall Phone: 214-239-7284

III. Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.

IV. Is this an expansion of an existing project? ☐ yes ☒ no
If yes, give the Division order number authorizing the project _____.

V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.

* VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.

VII. Attach data on the proposed operation, including:

100 bbls + 1. Proposed average and maximum daily rate and volume of fluids to be injected;
Closed 2. Whether the system is open or closed;
200 - 1000psi 3. Proposed average and maximum injection pressure;
reinjected 4. Sources and an appropriate analysis of injection fluid and compatibility with
produced wtr. the receiving formation if other than reinjected produced water; and
No. 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).

*VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.

IX. Describe the proposed stimulation program, if any.

* X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)

* XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.

XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.

XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.

XIV. Certification

I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name: J. W. Marshall Title Operator

Signature: J W Marshall Date: 11-30-88

* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal. VI:Wendell Best, 6-13-86, VIII:Form C-105 8-24-88, & Lab rept,X: Logs submitted 8-24-88, XI: Lab. report attached..

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate Division district office

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

(1) Lease name; Well No.; location by Section, Township, and Range; and footage location within the section.

(2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.

(3) A description of the tubing to be used including its size, lining material, and setting depth.

(4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

(1) The name of the injection formation and, if applicable, the field or pool name.

(2) The injection interval and whether it is perforated or open-hole.

(3) State if the well was drilled for injection or, if not, the original purpose of the well.

(4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.

(5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

(1) The name, address, phone number, and contact party for the applicant;

(2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;

(3) the formation name and depth with expected maximum injection rates and pressures; and

(4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

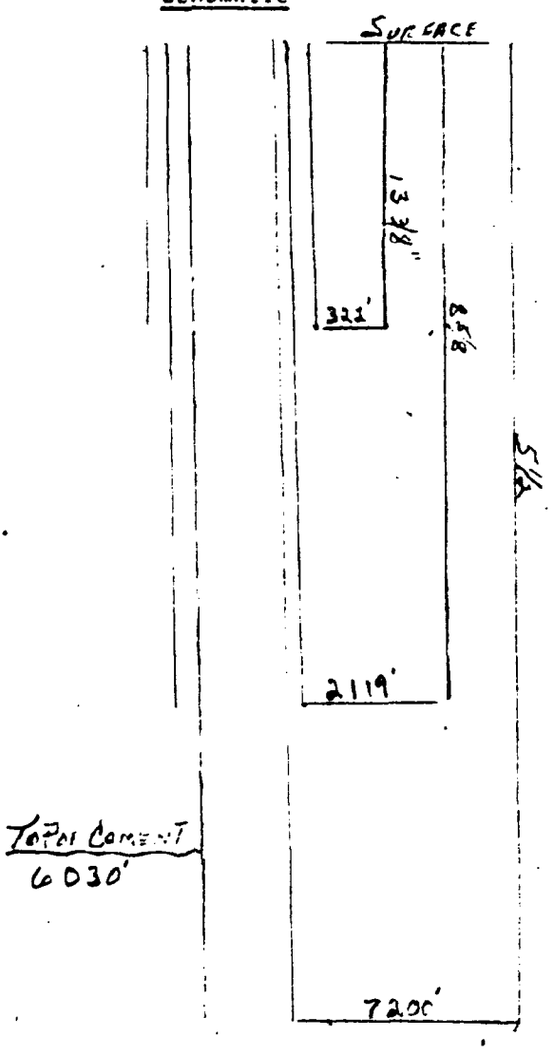
INJECTION WELL DATA SHEET

MARSHALL PIPE & SUPPLY CO. Cook
OPERATOR LEASE

1 Unit B, 330' from North & 1980' From East, Sec. 34, T2S, R29E
WELL NO. FOOTAGE LOCATION SECTION TOWNSHIP RANGE

Roosevelt County, New Mexico

Schematic



Tubular Data

Surface Casing

Size 13-3/8" " Cemented with 300 sx.

TOC Surface feet determined by Circulated

Hole size 17-1/2"

Intermediate Casing

Size 8-5/8" " Cemented with 200 Sacks Prem 550 HOWC Lx.

TOC Surface feet determined by Circulated

Hole size 11"

Long string

Size 5-1/2" " Cemented with 225 sx.

TOC 6030' feet determined by Cement bond log

Hole size 7-7/8"

Total depth 7205

Injection interval

7104 feet to 7116 feet
(perforated or open-hole, indicate which)

Perforated.

Tubing size 2-3/8" lined with - set in a
(material)

5-1/2" Otis WB packer at 7070 feet
(brand and model)

(or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation Montoya

2. Name of Field or Pool (if applicable) Tule

3. Is this a new well drilled for injection? ☐ Yes ☒ No

If no, for what purpose was the well originally drilled? commercial production of hydrocarbons

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) Pennsylvanian section 7050 to 7064, 6853 to 6857 and 6861 to 6863, shut in gas well because of lack of pressure to "buck" gas line. Will put Penn. zone on line when compressor is installed. ~~(Packer set at 7070'.)~~ Penn formation will be produced through 5-1/2" 17# N=80 casing.

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Penn. section as outlined in question "4" above. (overlying) None underlying.

MARSHALL Pipe & Supply Company
Drilling Producing
13423 FORESTWAY DRIVE
DALLAS, TEXAS 75240
(214) 239-7284

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

FORM C-108.

Details:

V. Map attached with one-half mile radius, plus larger area plat.

VI. Copy of Form C-105 covering Wendell Best #1. (also on file with you)

Vll. Data on proposed location.
1. 100 bbls per day, plus

2. Closed System

3. 200 to 1000 PSIG

4. Reinjected produced water

b. No.

VIII: Copy of Form C-105 on Cook #1, filed 8-24-88, and on file with you.

IX: None

X: Well Logs filed with you 8-24-88

XI. Chemical Laboratory Report prepared by Halliburton Services

XII: Affidavit attached.

XIII: Proof of Notice requested 11-30-88 from Portales News Tribune Portales, New Mexico, 11-30-88. Tear sheet and affidavit of Publishing will be forwarded to you upon receipt from Portales News Tribune.

III: Well Data

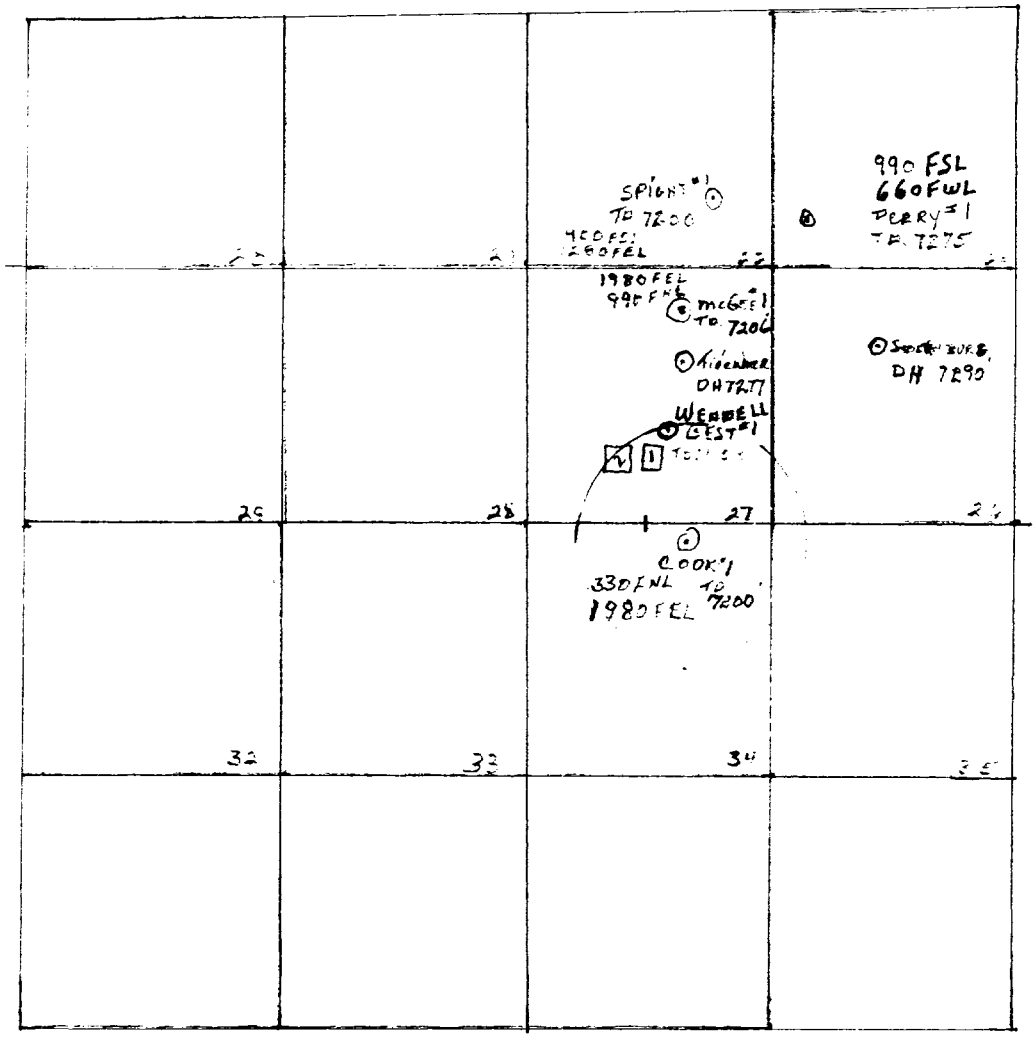
A. INJECTION WELL DATA SHEET ENCLOSED, plus Otis Completion Guide

B. " " " "

XIV: Copy of letter to Surface Owner with copy of Application
By Certified Mail to: Mrs. O. A. Woody
Woody Acres
3414 44th St.
Lubbock, Texas 79401

Offset Operator: MARSHALL PIPE & SUPPLY COMPANY
13423 Forestway Dr.
Dallas, Texas 75240

DISPOSAL WELL LOCATION



1. FRESH WATER WELL.
2. FRESH WATER WELL.

1" = 4000' Sec 27 T2S, R29E ROOSEVELT CO. NEW MEXICO.

CHAVES

ROOSEVELT

CITIGAS

24" TRANSWESTERN

Wendell Deep

PERRY 1

COOK

6.66

13.33

1.66

8.33

3.33

6.55

16.37

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

Form C-105
Revised 1-1-65

NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease: State ☐ Fee ☒

5. State Oil & Gas Lease No.

1a. TYPE OF WELL

b. TYPE OF COMPLETION: OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ____ NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER

7. Unit Agreement Name

8. Farm or Lease Name: Wendell Best

2. Name of Operator: Marshall Pipe and Supply Company

9. Well No.: 1

3. Address of Operator: Suite 533 - Roswell Petroleum Bldg. - Roswell, N.Mex. 88201

10. Field and Pool, or Wildcat: Wildcat

4. Location of Well

UNIT LETTER J LOCATED 1980 FEET FROM THE South LINE AND 2310 FEET FROM THE East LINE OF SEC. 27 TWP. 2S RGE. 29E NMPM

12. County: Roosevelt

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Cashinghead
1 April 1986	21 April 86	24 May 1986	4374 KB	4364

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
7155	7090	2	→	all	none

24. Producing Interval(s), of this completion — Top, Bottom, Name: 7006 to 7042 Montoya - 6938-6952 Pennsylvanian

25. Was Directional Survey Made: no

26. Type Electric and Other Logs Run: Gamma Ray Compensated Neutron Litho Density, Dual Laterlog MSFL

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	48#	300	17½	250 sx Cl C, 2% CaCl	circ, none
8 5/8	24#	2185	11	675 sx ClC, 2% CaCl	circ, none
5 1/2	17#	7153	7 7/8	200 sx Cl H Top cement 6170'	none

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2"	6998	6998

31. Perforation Record (Interval, size and number)

7006-7042', .34 jet, 73, Montoya
6938-6952', .34 jet, 43, Penn.

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
7006-7042	2000 gal. 10% MCA
6938-6952	1500 gal. 10% MCA

33. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping — Size and type pump)	Well Status (Prod. or Shut-in)
Shut-in	flow Montoya, Temp Abd. Penn.	Shut-in

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Gas — Oil Ratio
5/20/86	5	various		1.6	518-1699	1.6	---

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Oil Gravity — API (Corr.)
1893-1400	none		2.7	2805 CAOF	2.7	47.7

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

Test Witnessed By: J.L. Ahlen - J.W. Marsh

35. List of Attachments: C122, Deviation Certificate - Logs, CNLD - DLLMSFL

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.L. Ahlen TITLE Agent DATE 13 June 1986

INSTRUCTIONS form C 105

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all 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 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 1057		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 6989		T. Mancos		T. McCracken	
T. San Andres 2005		T. Simpson		T. Gallup		T. Ignacio Qtzte	
T. Glorieta 3244		T. McKee		Base Greenhorn		T. Granite	
T. Paddock		T. Ellenburger		T. Dakota		T.	
T. Blinebry		T. Gr. Wash		T. Morrison		T.	
T. Tubb 4645		T. Granite 7069		T. Todilto		T.	
T. Drinkard		T. Delaware Sand		T. Entrada		T.	
T. Abo 5206		T. Bone Springs		T. Wingate		T.	
T. Wolfcamp 5942		T.		T. Chinle		T.	
T. Penn 6440		T.		T. Permian		T.	
T Cisco (Bough C)		T.		T. Penn. "A"		T.	

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	1057	1057	Red Shale & Sand				DST #1
1057	2005	948	Anhy, Sand, Shale and Salt				6422-6576 recovered 180' sl gas cut drilling mud splr 70#, 300 cc mud + .558 cu. ft. gas. 15" IFP 88-88,60" ISIP 815, 60" FP 88-110, 120" FSIP 551 HP 3485 BHT 129° F
2005	3244	1239	Anhy, Dolomite and Salt				DST #2 7000-7155' GTS 5" 1.24 MMCF/D incr to 2.7 MMCF/D and stab.at end o test. rec 309' cond and gas cut mud + 330' cond est @ 60° gr, spl ch 100 7.48 cu ft gas, no liqu 30" IFP 956-1241 60" ISIP 2499, 60" FP 876-1337, 120" FSIP 2499 HP 3668, BHT 141° F
3244	5204	1960	Anhy, Salt, Sand, Shale, and Dolomite				
5204	5942	738	Red Shale and Sand				
5942	6989	1047	Limestone, Shale and Sandstone				
6989	7069	80	Dolomite & chert				
7069	7155	86	Granite				

RECEIVED
JUN 16 1986
O. C. D.
HOBBS OFFICE

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

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. RESVR. ☐ OTHER

7. Unit Agreement Name

8. Farm or Lease Name: Cook

2. Name of Operator: MARSHALL PIPE & SUPPLY COMPANY

9. Well No.: 1

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

10. Field and Pool, or Wildcat: Tule-Penn

4. Location of Well: UNIT LETTER B LOCATED 330 FEET FROM THE North LINE AND 1980 FEET FROM THE East LINE OF SEC. 34 TWP. T2S, RGE. R29E NMPM

12. County: Roosevelt

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Cashinghead
4-22-88	5-12-88	8-24-88	4359 GL	4369 KB

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By →	Rotary Tools	Cable Tools
7205	Packer: 7070	One only		X	

24. Producing Interval(s), of this completion — Top, Bottom, Name: Tule-Penn: 7050 to 7064, and 6853 to 6857 and 6861 to 6863

25. Was Directional Survey Made: Yes at 5310

26. Type Electric and Other Logs Run: Compensated Neutron/Litho-Density Log, Schlumberger Dual Laterolog, Litho Cyberlook, BHC Sonic/Caliper

27. Was Well Cored: No.

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

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48#	322	17-1/2	300 sacks Prem.2%CaCl	Cir/None
8-5/8"	24#	2119	11"	200 sacks Prem/2%CaCl	
				550 sacks HOWCLt.	Cir/None
5-1/2"	17#	7200	7-7/8"	225 sacks "H"	None

Top of Cement 6030'

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-3/8"	7070'	7070'

31. Perforation Record (Interval, size and number)

Tule - Penn: 7050 to 7064, and 6853 to 6857 and 6861 to 63

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
7050-7064	2000 Gal 15% MCA
6853-63'	2000 Gal 15% MCA

33. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping — Size and type pump)	Well Status (Prod. or Shut-in)
Shut In	Flow, but not enough pressure to buck Pressure on Gas Pipeline	Shut-In

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Gas — Oil Ratio
7-26-88	4 hr.	various		-0-	118-157	-0-	--

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Oil Gravity — API (Corr.)
1076-1015	1076-468		-0-	157	-0-	-

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

Absolute Open Flow 713

Test Witnessed By: W. Sutton

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 J. W. Marshall TITLE Partner/Operator DATE 8-24-88

This form is to be filed with the appropriate District Office of the Division not later than 30 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radioactivity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in 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		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	7088	T. Mancos		T. McCracken	
T. San Andres	2125	T. Simpson		T. Gallup		T. Ignacio Qtzte	
T. Glorieta	3189	T. McKee		Base Greenhorn		T. Granite	
T. Paddock		T. Ellenburger		T. Dakota		T.	
T. Blinebry		T. Gr. Wash		T. Morrison		T.	
T. Tubb	4672	T. Granite		T. Todilto		T.	
T. Drinkard		T. Delaware Sand		T. Entrada		T.	
T. Abo	5285	T. Bone Springs		T. Wingate		T.	
T. Wolfcamp	6001	T. Pre-Cam:	7161	T. Chinle		T.	
T. Penn.	6512	T.		T. Permian		T.	
T. Cisco (Bough C)		T.		T. Penn. "A"		T.	

OIL OR GAS SANDS OR ZONES

No. 1, from	Gas: 6854	to	6857	No. 4, from	Prob:7104 Gas	to	7113
No. 2, from	Gas: 6861	to	6863	No. 5, from		to	
No. 3, from	Gas: 7050 Gas: 7056	to	7054 7062	No. 6, 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. .....

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

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	1827	1827	Redbed, Shale & Lime				Drill Stem Test #1:
1827	3593	1766	Dolomite and Lime				7100 to 7200'
3593	5310	1717	Dolomite and Anhydrite				IH 3724
5310	6090	780	Lime and Shale,				IF 128-288, 30
6090	6512	422	Penn. Lime				ISI 2463, 60 min
6512	7088	577	Montoya Dolo.				FF 192-431- 75
7088	7205	117	Pre-Cambrian (7161)				FSI 2495 120 M
							FH 3725
							Recovered:
							2200' gas in pip
							375' Gas cut Mu
							625' Gassy SW

RECEIVED
AUG 26 1988
OCD
HOBBS OFFICE

OTIS COMPLETION GUIDE

OTIS ENGINEERING CORPORATION

A HALLIBURTON Company

OEC-217-E

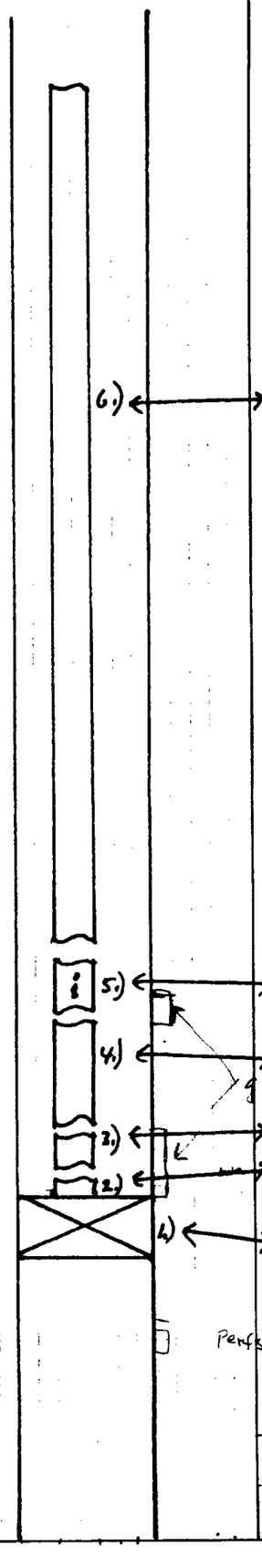
PREPARED FOR	COMPANY	TELEPHONE	DATE
Woody Marshall	Marshall Pipe & Supply		

FIELD NAME	WELL NAME	COUNTY	STATE	☑ NEW ☑ COMPLETION ☐ WORKOVER
N. of Elida	Cook #1	Roosevelt	N.M.	

	SIZE	WEIGHT	GRADE	THREAD	DEPTH
CASING	5 1/2	13-17 #			
LINER					

TUBING SIZE: UT 2 3/8 | MT | LT | THREAD 8rd.

DESCRIPTION	I.D.	O.D.	LENGTH	ESTIMATE OR DEPTH
6.) 6.) 227 Joints 2 3/8 8rd TBG.				6942.59
NOTICE: BEFORE SALTWATER IS INJECTED IN THE COOK #1 MONTOYA FORMATION THE XO SLIDING DOOR SLEEVE AT 6942' WILL BE ~~CLOSED AND THE PLUG WILL BE PULLED OUT OF THE~~ "N" NIPPLE AT 7069' USING OTIS WIRELINE SERVICE. WE WILL THEN PRODUCE GAS THROUGH THE CASING AND ~~INJECT SALTWATER THROUGH THE TUBING~~.				
5-1/2" 17# N80 Casing was coldwater tested to 5000#, and cement plug was tested to 2500# when 5-1/2" was ~~set.~~ The 2" EUE Tubing was coldwater tested to 7000# before run in hole.				
5.) 5.) XO Sliding Side Door Sleeve	1.875		3.00	6942.59
4.) 4.) Four Joints 2 3/8 tbg.			123.81	6945.59
3.) 3.) N-Nipple	1.791		.60	7069.40
2.) 2.) J-latch seal assembly 2 seals	1.94	2.75		
Spacer tube - mulesheo				
1.) 1.) 5 1/2 WB PKR 2 3/4 Bore	2.75	464	2.33	7070.00
Perfs 7104-16'				
			TOTAL ESTIMATE	



PREPARED BY	OFFICE	TELEPHONE
Tommy Hinderliter	Gainesville, Tx.	817-665-4479

HALLIBURTON DIVISION LABORATORY

HALLIBURTON SERVICES

ARTESIA DISTRICT

LABORATORY REPORT No. _____

TO Woody Marshall
Marshall Pipe & Supply

Date 10-5-88

Submitted by _____ Date Rec. 10-5-88

Well No. _____ Depth _____ Formation Montoya & Penn

Field Sec. 27-T 2S-R 29E County Roosevelt Source _____

	Disposal well	Windmill	Fresh
Resistivity	0.058 @ 70°F	2.88 @ 70°F	4.15 @ 70°F
Specific Gravity ..	1.13	1.002	1.00
pH	7	8	7.8
Calcium	15400	220	~~600~~ 200
Magnesium	4336	133	100
Chlorides	115,000	1000	600
Sulfates	heavy	small	small
Bicarbonates	92	275	260
Soluble Iron	heavy.	nil	nil

Remarks:

Rocky Champers
Respectfully submitted

Analyst: _____ HALLIBURTON SERVICES

NOTICE: This report is for information only and the content is limited to the sample described. Halliburton makes no warranties, express or implied, as to the accuracy of the contents or results. Any user of this report agrees Halliburton shall not be liable for any loss or damage, regardless of cause, including any act or omission of Halliburton, resulting from the use hereof.

MARSHALL Pipe & Supply Company

Drilling Producing

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

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

AFFIDAVIT

STATE OF TEXAS X

COUNTY OF DALLAS X

BEFORE ME, the undersigned authority in and for aforesaid County and State, on this day personally appeared:

J. W. MARSHALL

known to me to be the person whose name is signed to the instrument below, and who, after being by me duly sworn, on his oath deposes and says:

I have examined available geologic and engineering data on the Cook No. 1, Unit B, 330' from North and 1980' from East, Section 34, T2S, R29E, Roosevelt County, New Mexico, and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.

Affiant further saith not.

J. W. Marshall

SWORN TO AND SUBSCRIBED BEFORE ME THIS 30th DAY OF NOVEMBER, 1988.

Virginia Lee Johnson
Notary Public, State of Texas
My commission expires 11-30-92

L.S.

MARSHALL Pipe & Supply Company

Drilling Producing

13423 FORESTWAY DRIVE
DALLAS, TEXAS 75240

(214) 239-7284

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

November 30th, 1988

Portales News Tribune
101 East First Street
Portales, New Mexico 88130

Re: Notice

Gentlemen:

We are enclosing NOTICE OF APPLICATION FOR OIL AND GAS WASTE DISPOSAL WELL PERMIT.

Please run this in your newspaper.

Please rush your invoice for your services, together with clipping of this published notice, plus sworn affidavit from you giving the date on which the notice was published and the pertinent county in which the newspaper is of general circulation. We are enclosing affidavit form for your convenience.

Thanking you, and if this notice is not satisfactory with notices of this type please telephone us collect for more details.

Awaiting your reply, we are,

Very truly yours,

MARSHALL PIPE & SUPPLY COMPANY

J. W. Marshall
JWM:vlj

encl:

FEDERAL EXPRESS

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

MARSHALL Pipe & Supply Company

Drilling Producing

13423 FORESTWAY DRIVE
DALLAS, TEXAS 75240

(214) 239-7284

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

November 30th, 1988

NOTICE OF APPLICATION FOR OIL AND GAS WASTE DISPOSAL WELL PERMIT

Marshall Pipe & Supply Company, 13423 Forestway Dr., Dallas, Texas 7524(Telephone: 214-239-7284, has applied to the State of New Mexico, Energy and Minerals Department,.Oil Conservation Division for a permit to dispose of produced salt water or other oil and gas waste by well injection into a porous formation not productive of oil or gas.

The applicant proposes to dispose of oil and gas waste into the Montoya formation of the Cook Lease, Well No. 1, NE/4 Section 34, T2S, R29E, for Tule Field in Roosevelt County, New Mexico.

The waste water will be injected into strata in the subsurface depth interval from 7104 to 7116, average PSIG 200 to 1000 Maximum PSIG., through 2" Tubing with permanent packer set in 5-1/2" Casing, 100 bbls per day or as needed.

Interested parties must file objections or requests for hearing with the Oil Conservation Division, P.O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

STATE OF New Mexico

COUNTY OF _____

Before me, the undersigned authority, on this day personally appeared _____ (Name), the _____ (Title) of the _____ (Name of Newspaper), a newspaper having general circulation in _____ County, N.M., who being by me duly sworn, deposes and says that the foregoing attached notice was published in said newspaper on the following date(s), to wit: _____.

_____

Subscribed and sworn to before me this the ____ day of _____, 19__, to certify which witness my hand and seal of office.

_____
Notary Public in and for

_____ County, New Mexico

MARSHALL Pipe & Supply Company

Drilling Producing

13423 FORESTWAY DRIVE
DALLAS, TEXAS 75240

(214) 239-7284

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

November 30th, 1988

Mrs. O. A. Woody
Woody Acres
3414 44th Street
Lubbock, Texas 79401

Re: Cook #1
Section 34, T2S, R29E
Roosevelt County, New Mexico

Dear Mrs. Woody:

We are enclosing copies of Application for Authorization to inject into the Montoya formation of the Cook #1 well as a disposal well in this one formation.

The Cook #1 is a shut-in gas well in the Pennsylvanian formation, and will be placed on line when a compressor is installed to enable the gas to "buck" the pipeline pressure.

Very truly yours,

MARSHALL PIPE & SUPPLY COMPANY

J. W. Marshall
JWM:vlj

encl:

CERTIFIED MAIL - DEMAND RETURN RECEIPT

cc: State of New Mexico
Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS
GOVERNOR

December 6, 1988

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

Marshall Pipe & Supply Co.
13423 Forestway Drive
Dallas, Texas 75240

Attention: J.W. Marshall

Case 9574

Re: Conversion of Cook Well No. 1
to a salt water disposal well

Dear Mr. Marshall:

Reference is made to your application dated November 30, 1988 for authorization to convert the Cook Well No. 1 to a salt water disposal well. I have reviewed the application and I feel that there are certain issues concerning the application that need to be addressed further. Among these issues are proposed method of mechanical integrity testing of the well and determination of potential reserve loss caused by injection into a productive formation.

For this reason, I have set the application for hearing before a Division examiner. Tentative hearing date as of this time is January 13, 1989. If you have any questions please contact me at (505) 827-5800.

Sincerely,

David Catanach

David Catanach
Engineer

xc: OCD-Hobbs

RSMALL Pipe & Supply Co.
13423 FORESTWAY DRIVE
DALLAS, TEXAS 75240

CERTIFIED

P-582 985 589

MAIL

Demand Return Receipt

Mrs. O. A. Woody
Woody Acres
3414 44th Street
Lubbock, Texas 79401

Re.

NICOR EXPLORATION COMPANY

One of the NICOR
basic energy companies

1050 Seventeenth Street, Suite 1100
Denver, Colorado 80265-1101 303-893-1666

November 18, 1988

State of New Mexico
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87504-2088

Re: Conversion of Marshall Pipe and Supply #1 Cook NE/4 Sec. 34-T2S-R29E, to a Saltwater Disposal Well for Tule Field in Roosevelt County, New Mexico

Dear Sirs:

Marshall Pipe and Supply Company is the operator of Tule Field and desires to convert the #1 Cook, NE Section 34-T2S, R29E, to a salt water disposal well in the Montoya Fm. NICOR Exploration Company is a working interest owner in the Tule Field and is in favor of the proposed conversion.

Drill stem testing of the Cook #1 yielded 2200 of gas in pipe, 375 ft. of gas cut mud, and 625 ft. of gassy saltwater. Production tests confirmed that the Montoya section in the #1 Cook was primarily saltwater bearing and incapable of producing economically paying quantities of gas. Due to its low structural position and "wet" nature, the Montoya formation in the #1 Cook is an ideal well in which to dispose of produced saltwater.

It is expected that water production from Montoya producing wells in Tule Field will gradually increase with time. Due to the high costs associated with hauling produced water from this remotely located field, it is desirable to solve our salt water disposal problems before they become volumetrically significant.

Therefore, NICOR Exploration respectfully requests that the State of New Mexico Oil Conservation Division grant Marshall Pipe and Supply Company's request to convert the subject well for saltwater disposal into the Montoya formation.

D. L. Nelson
Rocky Mtn.
Regional Geologist

T. D. Wilcox
Senior Petroleum
Engineer