230945783 SWD 11/19/02

26

11/11 = notice date

+ 15

11/26

XERIC OIL & GAS CORPORATION

PO BOX 352
MIDLAND, TEXAS 79702
(TEL) 915-683-3171
(FAX) 915-683-6348

November 1, 2002

New Mexico Oil Conservation Division
1220 So. St.Francis Drive
Santa Fe, New Mexico 87505

NOV - 4 2002

non-commenced

Re: Request for Administrative Approval
For Water Disposal Well
Jones Robinson #1
Section 19, T20s, R39E
Lea County, New Mexico

Dear Mr. Catanach:

Please find attached a Form C-108 requesting approval to convert the Jones Robinson #1 to a salt-water disposal. If all attachments are satisfactory and no offset owners object, Xeric Oil & Gas Corporation respectfully requests approval be granted administratively. I have sent this C-108 to the District Office in Hobbs.

Xeric Oil & Gas plans to inject water into the San Andres Formation from 4512'-4522', 4532'-4540', 4560'-4568', 4596'-4610', 4630'-4640', 4660'-4670', 4680'-4710', 4730'-4740', 4943'-4952', 4990'-5000', 5038'-5052', 5284'-5300', 5616'-5326', 5344'-5354', 5370'-5382', 5390'-5400', 5480'-5492'. The 2 7/8" internally plastic coated injection tubing will be set @+/- 4,470' with a Baker Model AD-1 packer.

The injection interval will then be acidized with 15,000 gallons of 15% NEFE acid. The Strawn perfs are isolated with a CIBP set @ 7930' and the Drinkard perfs have been squeezed. The ABO perfs will be isolated with a CIBP set @ 5550'. The maximum anticipated injection rate will be 1200 BWPD with an injection pressure not to exceed 980 PSI. If injection pressures need to be increased, a State witnessed step-rate test will be performed.

A copy of the legal notice required is attached and will appear in the Hobbs Daily News-Sun on Tuesday, November 11, 2002. After we receive a copy and certification of the legal notice, it will be sent to your office. Also, copies of the letters and return receipt requested notices to the offset operators and landowner are attached and signed copies will be mailed to your office once they are returned.

If you have any questions, or I can be of any assistance please do not hesitate to call me at the above-mentioned address or telephone number.

Sincerely,

R. C. Barnett
President

Sent letter
as Reg for more Data
11/5/02

XERIC OIL & GAS CORPORATION

PO BOX 352
MIDLAND, TEXAS 79702
(TEL) 915-683-3171
(FAX) 915-683-6348

November 1, 2002

New Mexico Oil Conservation Division
1625 N. French Drive
Hobbs, New Mexico 88240

Re: Request for Administrative Approval
For Water Disposal Well
Jones Robinson #1 (30-025-35246)
Section 19, T20s, R39E
Lea County, New Mexico

Dear Sirs:

Please find attached a Form C-108 requesting approval to convert the Jones Robinson #1 to a salt-water disposal. If all attachments are satisfactory and no offset owners object, Xeric Oil & Gas Corporation respectfully requests approval be granted administratively. I have sent this C-108 to Mr. David Catanach in Santa Fe.

Xeric Oil & Gas plans to inject water into the San Andres Formation from 4512'-4522', 4532'-4540', 4560'-4568', 4596'-4610', 4630'-4640', 4660'-4670', 4680'-4710', 4730'-4740', 4943'-4952', 4990'-5000', 5038'-5052', 5284'-5300', 5616'-5326', 5344'-5354', 5370'-5382', 5390'-5400', 5480'-5492'. The 2 7/8" internally plastic coated injection tubing will be set @+/- 4,470' with a Baker Model AD-1 packer.

The injection interval will then be acidized with 15,000 gallons of 15% NEFE acid. The Strawn perfs are isolated with a CIBP set @ 7930' and the Drinkard perfs have been squeezed. The ABO perfs will be isolated with a CIBP set @ 5550'. The maximum anticipated injection rate will be 1200 BWPD with an injection pressure not to exceed 980 PSI. If injection pressures need to be increased, a State witnessed step-rate test will be performed.

A copy of the legal notice required is attached and will appear in the Hobbs Daily News-Sun on Tuesday, November 11, 2002. After we receive a copy and certification of the legal notice, it will be sent to your office. Also, copies of the letters and return receipt requested notices to the offset operators and landowner are attached and signed copies will be mailed to your office once they are returned.

If you have any questions, or I can be of any assistance please do not hesitate to call me at the above-mentioned address or telephone number.

Sincerely,

R. C. Barnett
President

JONES ROBINSON #1
CONVERT TO INJECTION
NMOCD FORM C-108, SECTION III

III. Well data on injection well

A. Injection well information (See attached Schematics)

1. Lease: Jones Robinson
   Well No.: #1
   Location: 660' FSL & 1980' FEL
   Section 19, T20S, R39E
   Lea County, New Mexico

2. Casing: 8 5/8" 24#/Ft. surface casing set @ 1600' in 12 ¼" hole cemented w/800 SXS
   TOC @ surface, circulated
   5 ½" 15.5#/ft. production casing set @ 8134' in 7 7/8" hole cemented w/1040 SXS
   TOC @ surface, circulated

3. Injection Tubing: + or - 144 jts. 2 7/8" 6.4#/ft. J-55 IPC tubing set @ +/- 4470'

4. Packer: IPC Baker Model AD-1 set @ 4,470'

B. Other well information:

1. Injection formation: San Andres
2. Field: DK Drinkard/ABO
3. Proposed Interval:
   4512'-4522' 4532'-4540'
   4560'-4568' 4596'-4610'
   4630'-4640' 4660'-4670'
   4680'-4710' 4730'-4740'
   4932'-4952' 4990'-5000'
   5038'-5052' 5284'-5300'
   5316'-5326' 5344'-5354'
   5370'-5382' 5390'-5400'
   5480'-5492'
4. This well was drilled as a ABO test and is completed from 7362'-7512'
5. Other perfed and tested intervals:
   A. Strawn Perfs: 7952'-7964', 7978'-7994' isolated w/CIBP set @ 7930'
   B. Drinkard Perfs: 7028'-7031', 7061'-7066', 7100'-7107' and 7116'-7126' Squeezed w/225 SXS cement and will be isolated with CIBP set @ 5,550'
6. Within the area of this well productive horizons are the Blinebry, Tubb, Drinkard and ABO

VII. Data on Proposed Operation

1. Proposed average injection rate is 750 BWPD
   Proposed maximum injection rate is 1200 BWPD
2. The system will be closed
3. Proposed average injection pressure: 600 PSI
   Proposed maximum injection pressure: 980 PSI
4. The proposed injection fluid is produced water from offsetting leases. The attached water analysis is from the offsetting wells and indicates a moderate scaling tendency. It is intended to treat the waters to prevent scale from forming.

5. There is no production from the proposed injection well interval within a one mile radius of the Jones Robinson #1.
Therefore a water sample cannot be obtained for this Zone. It is expected the water will be similar to the Water samples attached.

VIII. The proposed injection interval is located in the San Andres formation. These are Permian age rocks. The San Andres is 1305' thick from 4345' to 5650'. The gross interval to be injected into is from 4512' to 5492'.

There are fresh water wells within one mile of the proposed saltwater disposal well. The surface owner provided the information on these wells.

IX. The injection zone will be perforated from: 4512'-4522', 4532'-4540', 4560'-4568', 4596'-4610', 4630'-4640', 4660'-4670', 4680'-4710', 4730'-4740', 4932'-4952', 4990'-5000', 5038'-5052', 5284'-5300', 5316'-5326', 5344'-5354', 5370'-5382', 5390'-5400', 5480'-5492'
2 7/8" internally plastic coated injection tubing will be set @ +/- 4,470' with a Baker Model AD-1 packer. The injection interval will then be acidized with 15,000 gallons of 15% NEFE acid.

X. Logs have previously been submitted to the NMOCD by Xeric.

XI. There are several fresh water wells within one mile of the proposed saltwater disposal well.

XII. An examination of the area has determined there are no open faults or other hydrologic connection between the disposal well and any underground drinking water.

Advertising Receipt

Hobbs Daily News-Sun
201 N Thorp
P O Box 850
Hobbs, NM 88241-0850
Phone: (505) 393-2123
Fax: (505) 397-0610

~~Doreen Morris~~
Xeric Oil & Gas
P.O. Box 352
MIDLAND, TX 79702

Cust#:	01105518-000
Ad#:	02560177
Phone:	(915)683-3171
Date:	10/30/02

Ad taker: Meg **Salesperson:** 05 **Classification:** 672

Description	Start	Stop	Ins.	Cost/Day	Surcharges	Total
07 07 Daily News-Sun	11/05/02	11/05/02	1	41.10		41.11
Affidavit for legals						2.00

Payment Reference:

Total:	43.11
Tax:	2.59
Net:	45.70
Prepaid:	0.00
Total Due	45.70

LEGAL NOTICE
November 5, 2002

This is to advise that Xeric Oil & Gas Corporation intends to convert the following well to a saltwater disposal well:

Jones Robinson #1
660' FSL & 1980' FEL
Section 19, T20S, R39E
Lea County, New Mexico

The Formation to be injected into is the San Andres at the following intervals:
4512'-4522' 4532'-4540'
4560'-4568' 4596'-4610'
4630'-4640' 4660'-4670'
4680'-4710' 4730'-4740'
4932'-4952' 4990'-5000'
5038'-5052' 5284'-5300'
5316'-5326' 5344'-5354'

LEGAL NOTICE

October 29, 2002

This is to advise that Xeric Oil & Gas Corporation intends to convert the following well to a saltwater disposal well:

Jones Robinson #1
660' FSL & 1980' FEL
Section 19, T20S, R39E
Lea County, New Mexico

The Formation to be injected into is the San Andres at the following intervals:

4512'-4522' 4532'-4540'
4560'-4568' 4596'-4610'
4630'-4640' 4660'-4670'
4680'-4710' 4730'-4740'
4932'-4952' 4990'-5000'
5038'-5052' 5284'-5300'
5316'-5326' 5344'-5354'
5370'-5382' 5390'-5400'
5480'-5492'

The maximum expected injection rate is 1200 BWPD per well at a maximum injection pressure of 980 PSI. Questions can be addressed to:

Xeric Oil & Gas Corporation
P. O. Box 352
Midland, Texas 79702
Attn: R. C. Barnett
915-683-3171

Interested parties must file objections or requests for a hearing within 15 days of this notice to the:

Oil Conservation Division
1220 South Francis Drive
Santa Fe, NM 87505

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL
RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 SOUTH PACHECO
SANTA FE, NEW MEXICO 87505

FORM C-108
Revised 4-1-98

APPLICATION FOR AUTHORIZATION TO INJECT

I. PURPOSE: _____Secondary Recovery _____Pressure Maintenance __X__Disposal _____Storage
Application qualifies for administrative approval? __X__Yes _____No

II. OPERATOR: Xeric Oil & Gas Corporation

ADDRESS: PO Box 352 Midland, Texas 79702

CONTACT PARTY: Glenda Hunt PHONE: 915-683-3171

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 __X__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:

1. Proposed average and maximum daily rate and volume of fluids to be injected;
2. Whether the system is open or closed;
3. Proposed average and maximum injection pressure;
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
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 geologic data on the injection zone including appropriate lithologic detail, geologic 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 sources 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 sources of drinking water.

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

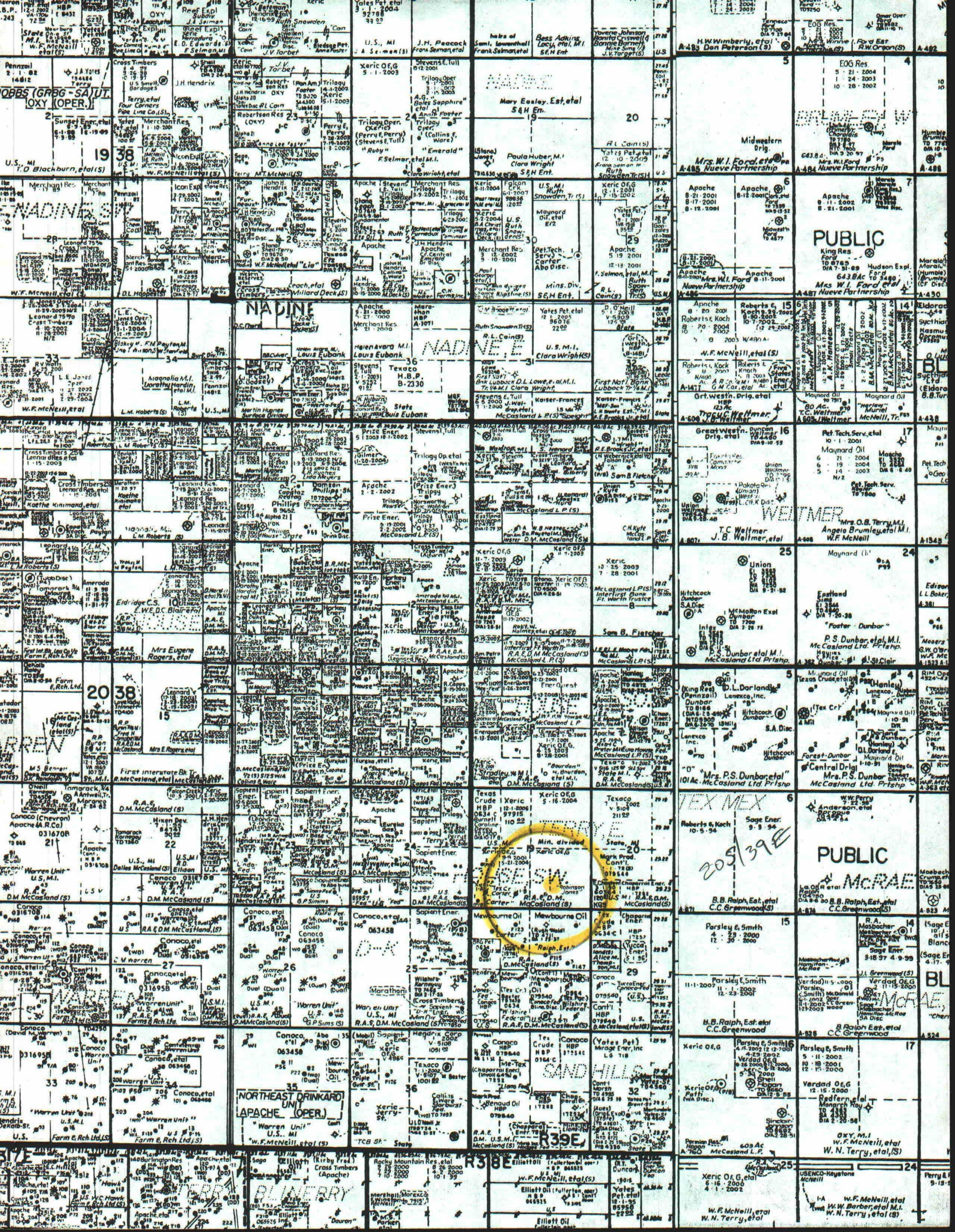
XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

NAME: R. C. Barnett TITLE: President

SIGNATURE: R C Barnett DATE: 11/01/02

* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: _____

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office



HOBBS (GRBG-SA) UT.
OXY (OPER.)
NADINE
NADINE, E
PUBLIC
WELTMER
TEX MEX
PUBLIC
McRAE
SAND HILLS
NORTHEAST DRINKARD UNIT
APACHE (OPER.)
R38E
R39E
20S/39E

XERIC OIL & GAS CORPORATION
APPLICATION FOR AUTHORIZATION TO INJECT

JONES ROBINSON #1

I, Randy Hall of Xeric Oil & Gas Corporation, 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 sources of drinking water concerning the Jones Robinson #1 located in Unit O, Section 19, Township 20 South, Range 39 East, Lea County, New Mexico.

Randy Hall

Randy Hall, Geologist

10-30-02

Date

GEOLOGICAL REPORT
PROPOSAL TO CONVERT WELL TO SWD
XERIC OIL & GAS CORPORATION
JONES ROBINSON #1
DK DRINKARD ABO FIELD
SECTION 19, T-20-S, R-39-E
660' FSL & 1980' FEL
LEA COUNTY, NEW MEXICO

October 29, 2002

We propose plugging back and converting the captioned non-commercial oil well in the DK Drinkard ABO field into a salt-water disposal well. This will allow Xeric to dispose of salt-water from it's leases in the immediate area which will result in ~~more efficient~~ and economical operations.

We recommend adding additional perforations from a log depth of 4512' to 4522', 4532' to 4540', 4560' to 4568', 4596' to 4610', 4630' to 4640', 4660' to 4670', 4680' to 4710', 4730' to 4740', 4932' to 4952', 4990' to 5000', 5038' to 5052', 5284' to 5300', 5316' to 5326', 5344' to 5354', 5370' to 5382', 5390' to 5400', and 5480' to 5492' and disposing salt water into the San Andres formation. The San Andres is not produced within a mile radius of the subject well. The closest production from the San Andres is in the Sand Hills field approximately two miles south and east of the proposed disposal well in Section 32, T-20-S,R-39-W. Production in that field is established from a shallower depth within the San Andres formation. Predominate lithology in the proposed disposal interval is dolomite with anhydrite inclusions.

The only known fresh water source is very shallow at depths less than 1,000 feet. Between the fresh water sands and the San Andres there is approximately 3,500 feet of dolomite, anhydrite and sands which includes the Yates and Seven Rivers formations that are produced in the area but are not within a mile radius of the captioned well. There are no known faults or vertical fractures that could cause communication with any overlying fresh water sources.

Randy Hall
Geologist

XERIC OIL & GAS CORPORATION
APPLICATION FOR AUTHORIZATION TO INJECT
JONES ROBINSON #1

DEPTH	PERFORATED	LITHOLOGIC	GEOLOGICAL NAME	THICKNESS
4345'-5650'	4512'-4522'	DOLOMITE	SAN ANDRES	1305'
	4532'-4540'	ANHYDRITE		
	4560'-4568'			
	4596'-4610'			
	4630'-4640'			
	4660'-4670'			
	4680'-4710'			
	4730'-4740'			
	4932'-4952'			
	4990'-5000'			
	5038'-5052'			
	5284'-5300'			
	5316'-5326'			
	5344'-5354'			
	5370'-5382'			
	5390'-5400'			
	5480'-5492'			

According to the State of New Mexico Engineering Department there are no known underground sources of drinking water overlying the proposed injection zone as well as known underground sources of drinking water underlying the injection interval.

XERIC OIL & GAS CORPORATION

CURRENT CONFIGURATION

Company: Xeric Oil & Gas

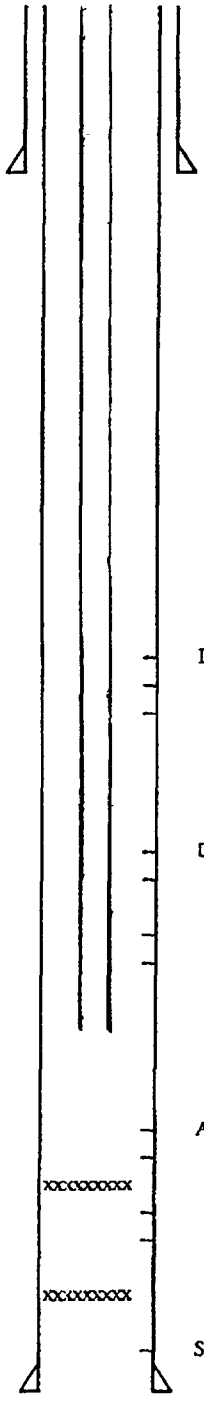
WELLBORE DIAGRAM

DATE: 8/05/01
API # 30-025-35246

Lease: Jones Robinson
Location: T20S - R39E
Survey:
Ct/St: Lea, County , NM
Current Stat.:

Well No.: 1
Sec: 19 **Blk:**
G.L.: 3549'
K.B.: 3565' **D.F.:**

Field: DK - Abo
Spud : 3/29/01
Comp: 4/26/01
Initial Form:



DRINKARD PERFS : 7028'-7031' , 7061'-7066' - 34 holes
acidize w/ 2000 gals 20% - 15 min SI on vacuum
Suspect communication to lower sets of perfs
producing @ 3 BOPD + 70 BWPD + 6 MCFD
Squeezed W/225 SXS 8/8/01

DRINKARD PERFS : 7100'-7107' , 7116'-7126' - 36 holes
acidize w/ 2500 gals 20% - ISIP = vacuum - 5% oil cut
abandon @ 1 BOPD + 72 BWPD + 6 MCFD
Squeezed W/225 SXS 8/8/01

CURRENT COMPLETION INTERVAL

ABO PERFS : 7362'-7396' , 7400'-7410' , 7420'-7446' , 7456'-7498' , 7500'-7514' , 7548'-7558'
142 holes , acidize w/ 6000 gals 20% (7362'-7446') - 60% oil cut

CIBP @ 7450' — acidize w/ 2000 gals 20% (7456'- 7558') - no oil shows , ISIP = vacuum
Acid frac entire interval w/ 21,350 gals - 5% oil cut
isolate lower Abo w/ CIBP @ 7450' - eliminated water - 100% oil w/ no rate

CIBP @ 7930'

STRAWN PERFS : 7952'-7964' , 7978'-7994' 58 holes
Acidize 1500 gals 20% - 100% water

TD @ 8134'

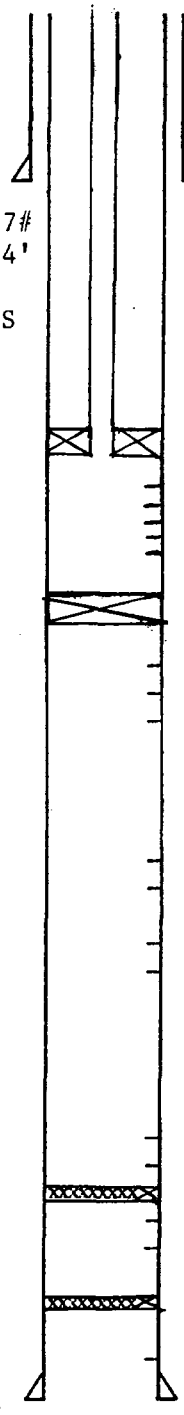
XERIC OIL & GAS CORPORATION

PROPOSED CONFIGURATION

10/30/02

Company: Xeric Oil & Gas **WELLBORE DIAGRAM** **API #** 30-025-35246

Lease: Jones Robinson **Well No.:** 1 **Field:** DK - Abo
Location: T20S - R39E **Sec:** 19 **Blk:** **Spud :** 3/29/01
Survey: **G.L.:** 3549' **Comp:** 4/26/01
Ct/St: Lea, County , NM **K.B.:** 3565' **D.F.:** **Initial Form:**
Current Stat.:



8 5/8", 24# set @ 1600'
Cemented w/870 SXS
Circ. to surface

1609'

5 1/2", 17#
Set @ 8134'
Cemented
W/1040 SXS
Circ. to
Surface

2 7/8" plastic coated tubing set @ 4470'
W/Baker Model AD-1 Packer

New San Andres Perfs from 4512-4522; 4532-4540; 4560-4568;
4596-4610; 4630-4640; 4660-4670; 4680-4710; 4730-4740;
4932-4952; 4990-5000; 5038-5052; 5384-5300; 5316-5326;
5344-5354; 5370-5382; 5390-5400; 5480-5492

Set CIBP @ 5600'

DRINKARD PERFS : 7028'-7031', 7061'-7066' - 34 holes
acidize w/ 2000 gals 20% - 15 min SI on vacuum
Suspect communication to lower sets of perfs
producing @ 3 BOPD + 70 BWPD + 6 MCFD
Squeezed W/225 SXS 8/8/01

DRINKARD PERFS : 7100'-7107', 7116'-7126' - 36 holes
acidize w/ 2500 gals 20% - ISIP = vacuum - 5% oil cut
abandon @ 1 BOPD + 72 BWPD + 6 MCFD
Squeezed W/225 SXS 8/8/01

ABO PERFS : 7362'-7396', 7400'-7410', 7420'-7446', 7456'-7498', 7500'-7514', 7548'-7558'
142 holes , acidize w/ 6000 gals 20% (7362'-7446') - 60% oil cut
CIBP @ 7450' acidize w/ 2000 gals 20% (7456'- 7558') - no oil shows , ISIP = vacuum
Acid frac entire interval w/ 21,350 gals - 5% oil cut
isolate lower Abo w/ CIBP @ 7450' - eliminated water - 100% oil w/ no rate

CIBP @ 7930'

STRAWN PERFS : 7952'-7964', 7978'-7994' 58 holes
Acidize 1500 gals 20% - 100% water

TD @ 8134'

SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

McCasland Ranch
Robert & Irene McCasland
P.O. Box 206
Eunice, NM 88231

COMPLETE THIS SECTION ON DELIVERY

A. Received by *(Please Print Clearly)* | B. Date of Delivery

C. Signature
X ☐ Agent ☐ Addressee

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☒ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? *(Extra Fee)* ☐ Yes

2. Article Number *(Copy from service label)* 7002 0460 0002 0065 5197

PS Form 3811, July 1999 Domestic Return Receipt 102595-00-M-0952

SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Mewbourne Oil & gas
P.O. Box 5270
Hobbs, NM 88241

COMPLETE THIS SECTION ON DELIVERY

A. Received by *(Please Print Clearly)* | B. Date of Delivery

C. Signature
X ☐ Agent ☐ Addressee

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☒ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? *(Extra Fee)* ☐ Yes

2. Article Number *(Copy from service label)* #7002 0460 0002 0065 5210

PS Form 3811, July 1999 Domestic Return Receipt 102595-00-M-0952

XERIC OIL & GAS CORPORATION
PO BOX 352
MIDLAND, TEXAS 79702
(TEL) 915-683-3171
(FAX) 915-683-6348

October 30, 2002

Sent Via Certified Mail
#7002 0460 0002 0065 5210

Mewbourne Oil & Gas
P. O. Box 5270
Hobbs, New Mexico 88241

Re: Jones Robinson #1
660' FSL & 1980' FEL
Section 19, T20S; R39E
Lea County, New Mexico

Dear Sirs:

In accordance with Rules and Regulations of the Oil Conservation Division of the State of New Mexico you are being provided a copy of the Application to Inject on the above captioned well.

Objections or requests for hearing must be filed with the Oil Conservation Division within fifteen (15) days from the above date. Objections and requests for hearing should be addressed to Oil Conservation Division, 1220 South St. Fancis Dr., Santa Fe, New Mexico, 87505.

Sincerely yours,

Glenda Hunt
Senior Production Analyst

XERIC OIL & GAS CORPORATION
PO BOX 352
MIDLAND, TEXAS 79702
(TEL) 915-683-3171
(FAX) 915-683-6348

October 30, 2002

McCasland Ranch
Robert and Irene McCasland
P. O. Box 206
Eunice, NM 88231

Sent VIA Certified Mail
 # 7002 0460 0002 0065 5197

Re: Jones Robinson #1
Sec. 19, T20S, R39E
Lea County, New Mexico

Dear McCasland:

In accordance with Rules and Regulations of the Oil Conservation Division of the State of New Mexico you are being provided a copy of the Application for Authorization to Inject on the above captioned well.

Objections or requests for hearing must be filed with the Oil Conservation Division within fifteen (15) days from the above date. Objections and requests for hearing should be addressed to Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico, 87505.

Sincerely,

Glenda Hunt
Senior Production Analyst

Enclosure

JONES ROBINSON #1
660' FSL & 1890' FEL
SECTION 19, T20S, R39E
LEA COUNTY, NEW MEXICO
OFFSET WELL AND LEASE SUMMARY

OPERATOR	LEASE & WELL NO.	LOCATION	DATE DRILLED	DEPTH	STATUS
XERIC OIL & GAS CORP.	CARTER "19"	1900FS & 467FWL SEC 19 T20S R39E	11/4/1998	TD 7540' PBTD 6490'	PRODUCING
TEXAS CRUDE OIL & GAS	CARTER "A"	660FSL & 660FWL SEC 19 T20S R39E	1/2/1960	TD 7584' PBTD 7450'	P&A 12/1/63
XERIC OIL & GAS CORP.	CARTER "19"	330FSL & 330FWL SEC 19 T20S R39E	6/19/1997	TD 7800' PBTD 6600'	PRODUCING
TEXAS CRUDE OIL & GAS	CARTER "B"	660FSL & 1980FWL SEC 19 T20S R39E	RECOMP 3/5/59	TD 7584' PBTD 7136'	P&A 8/19/66
MEWBOURNE OIL & GAS	RALPH ESTATE	66FNL & 660FEL SEC 30 T20S R39E	10/22/1955	TD 7510' PBTD 7510'	PRODUCING
CONTINENTAL RUSHWOLD OIL	STATE EE CARTER	660FNL & 1980FWL SEC 30 T20S R39E	1/22/1937	TD 4711'	PLUGGED
MEWBOURNE OIL & GAS	CARTER	660FNL & 1980FWL SEC 30 T20S R39E	1/1/1975	TD 7507' PBTD 7472'	PRODUCING
MEWBOURNE OIL & GAS	CARTER	990FNL & 990FWL SEC 30 T20S R39E	4/27/1995	TD 7700' PBTD 7660'	PRODUCING

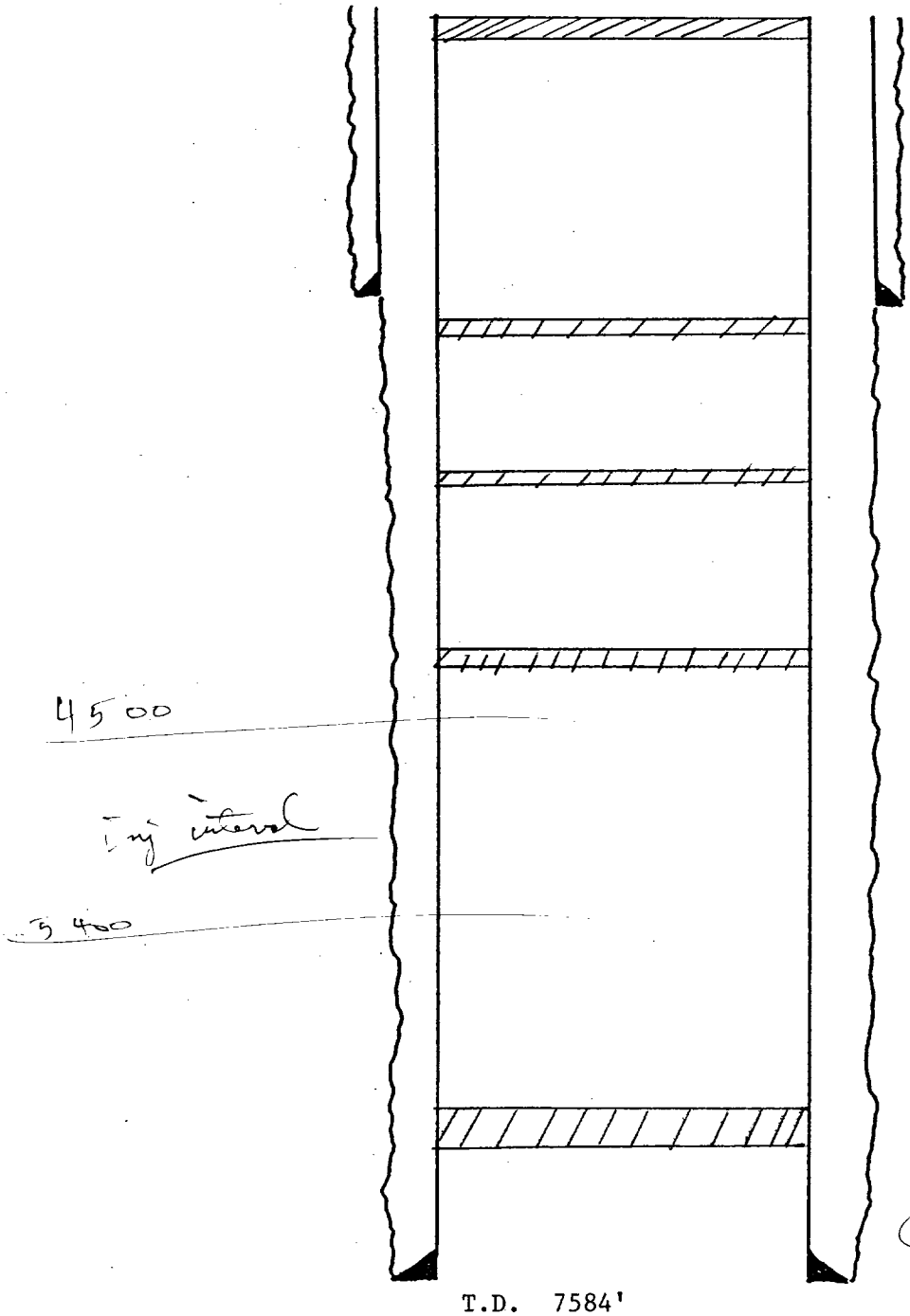
WELLBORE DIAGRAM

TEXAS CRUDE OIL COMPANY

WELL: Carter "A" 1-19 M Section 19, T20S, R39E
660' FSL & 660' FWL

COUNTY: Lea

STATE: NM



Surface Casing
8 5/8" Csg set @ 1663'
W/760 SXS Cmt

10 SXS Cmt Set @ Surface
Areas between plugs filled
W/drilling mud

Plug #4 Set @ 1646'-1560'
W/25SXS Cmt

Plug #3 Set @2860'-2780'
W/25SXS Cmt

Plug #2 Set @ 4186'-4100'
W/25SXS Cmt

5 1/2" Csg pulled from 4186'

Plug #1 Set @ 6900'-6700'
W/25SXS Cmt

PRODUCTION CASING
5 1/2" Csg #7472'
W/400 SXS Cmt
TOC @ 1663' Check

PBTD: 7136'

TD: 7584'

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

NEW MEXICO OIL CONSERVATION COMMISSION

(Rev 3-55)

MISCELLANEOUS REPORTS ON WELLS

HOBBS OFFICE O. C. C.
DEC 16 11 50 AM '63

(Submit to appropriate District Office as per Commission Rule 1106)

Name of Company	Address
Texas Crude Oil Company	205 V & J Tower, Midland, Texas

Lease	Well No.	Unit Letter	Section	Township	Range
Carter "A"	1-19	M	19	T-20-S	R-39-E

Date Work Performed	Pool	County
11-29 thru 12-1-63	D-K Drinkard	Lea

THIS IS A REPORT OF: *(Check appropriate block)*

☐ Beginning Drilling Operations ☐ Casing Test and Cement Job ☐ Other *(Explain)*:

☒ Plugging ☐ Remedial Work

Detailed account of work done, nature and quantity of materials used, and results obtained.

The above well was plugged in the following manner:

25 sx cement plug 6900-6700'.
5½" casing pulled from 4186'
25 sx cement plug 4186-4100'
25 sx cement plug 2860-2780'
25 sx cement plug 1646-1560'. Areas between plugs filled w/drilling mud.
10 sx cement plug top surface casing. Steel marker placed in top. Location cleaned & levelled, pits filled.

Witnessed by	Position	Company
B. J. Stickney	Partner	Stickney Bros., Inc.

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

ORIGINAL WELL DATA

D F Elev.	T D	P B T D	Producing Interval	Completion Date

Tubing Diameter	Tubing Depth	Oil String Diameter	Oil String Depth

Perforated Interval(s)

Open Hole Interval	Producing Formation(s)

RESULTS OF WORKOVER

Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Well Potential MCFPD
Before Workover						
After Workover						

OIL CONSERVATION COMMISSION

Approved by: John W. Runyan

Title:

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

Name: Joe R Howard

Position: Division Superintendent

WELLBORE DIAGRAM

RUSHWALD OIL COMPANY

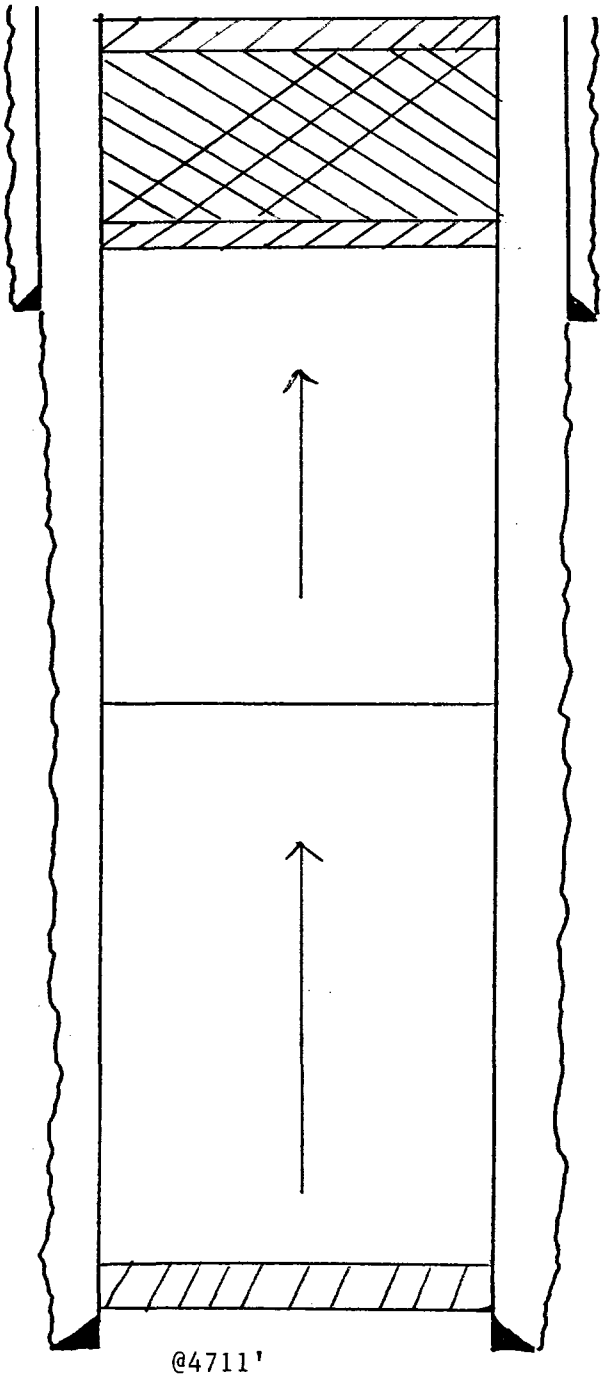
WELL: Continental State E. E. Carter #1

NE/4 Sec. 30, T20S, R39E

COUNTY: Lea

STATE: NM

Plugged 1/22/37



Surface Casing
10 3/4" Csg set @ 250'
W/200 SXS Cmt

10SXS Cmt plug @ 20'
to Surface

20'

Intermediate Casing
8 5/8" Csg set @ 1630'
W/425 SXS Cmt

Mud from 1630' to 20'

what method?

Cement from TD to 1630'

Production Casing
5 1/2" Csg set @ 4200'
Cmt W/400 SXS

TOC = ?

@4711'

TD: 4711'

MAR 1 7 1937

MISCELLANEOUS REPORTS ON WELLS

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut-off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below:

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL	X		

Hobbs, New Mexico (Place) February 15, 1937 (Date)

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico.

Gentlemen:

Following is a report on the work done and the results obtained under the heading noted above at the

Rushwold Oil Co. (Company or Operator) Continental State-E.E. Carter (Lease) Well No. 1 in the NE/4 of Sec. 30, T. 20-S, R. 39-E, N. M. P. M., ______ Field, Lea County.

The dates of this work were as follows: ______

Notice of intention to do the work was [was not] submitted on Form C-102 on ______ 19__

and approval of the proposed plan was [was not] obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Following ~~are~~ our notices of intention to plug the subject well dated Janu 22, 1937. (1) Cement plug was run in bottom of hole extending above water bearing formations. (2) Hole was then filled with mud to bottom of 8-5/8" pipe at 1630'. (3) Cement plug was then set at bottom of the 8-5/8" pipe and (4) hole filled with mud to within 20' of the surface. (5) Cement plug was then run to the top of hole and usual (6) marker was installed consis of one joint of 4" pipe extending 4' above ground level. All rules o New Mexico Oil Conservation Commission were complied with in the plug and abandoning of this well.

DUPLICATE

Witnessed by E. H. Griswold (Name) Rushwold Oil Company. (Company) Vice President (Title)

Subscribed and sworn to before me this 16 day of March, 1937

Patricia Mahoney
Notary Public

My Commission expires October 24, 1939

I hereby swear or affirm that the information given above is true and correct.

Name *[signature]*

Position District Superintendent

Representing Continental Oil Company (Company or Operator)

Address Box CC, Hobbs, New Mexico

Remarks:

APPROVED
BY *F. J. Vesely* (Name)
Oil & Gas Inspector (Title)

ILLEGIBLE

ICR

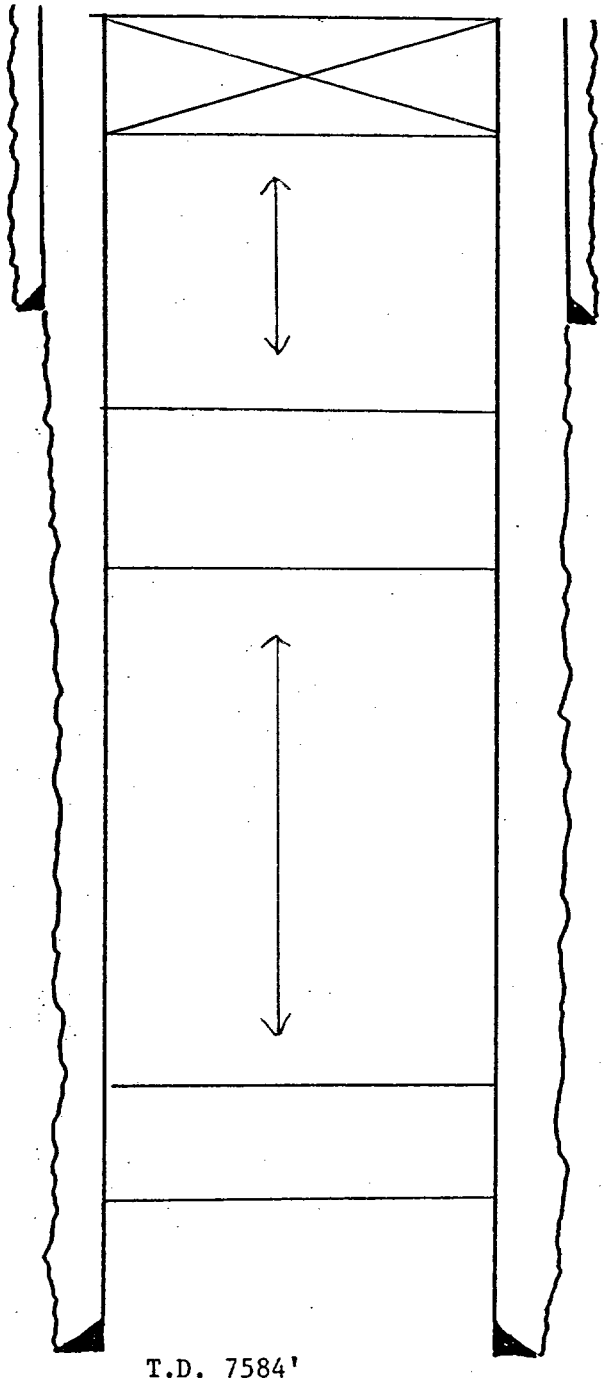
WELLBORE DIAGRAM

TEXAS CRUDE OIL COMPANY

WELL: Carter "B" 1-19 660' FSL & 1980' FWL

COUNTY: Lea — Sec. 19, T20S, R39E

STATE: NM — P & A 8/19/66



Surface Casing
8 5/8" Csg Set @1661
W/550 SXS Cmt

10 SXS Cmt plug set
@ top of surface csg

Area between plugs filled
W/drilling mud

25 SXS Cmt 1876'-1626'

5 1/2" Csg pulled from
1876'

DRilling Mud

CIPB @ 6930'
W/25SXS Cmt

Production Casing
5 1/2" Csg set @ 7584'
300 SXS Cmt TOC ?

T.D. 7584'

PBTD: 7136'

TD: 7584'

[redacted]

NEW MEXICO OIL CONSERVATION COMMISSION

FORM C-10
(Rev 3-55)

MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106)

Name of Company	Address
TEXAS CRUDE OIL COMPANY	205 V & J Tower, Midland, Texas

Lease	Well No.	Unit Letter	Section	Township	Range
Carter "B"	1-19	N	19	20-S	39-E

Date Work Performed	Pool	County
Aug. 14-19, 1966	D-K Drinkard	Lea

THIS IS A REPORT OF: *(Check appropriate block)*

☐ Beginning Drilling Operations ☐ Casing Test and Cement Job ☐ Other *(Explain)*:

☒ Plugging ☐ Remedial Work

Detailed account of work done, nature and quantity of materials used, and results obtained.

This well was plugged in following manner by Lea County Casing Pullers:
(1) Cast iron bridge plug set at 6920', capped with 2 sx cement. (2) 5-1/2" casing pulled from 1876' (3) 25 sx cement plug 1876-1626', area between plugs filled w/drilling mud. (4) 10 sx cement plug top of surface casing, steel marker placed in top. Location cleaned and levelled, pits filled. (5)

Witnessed by	Position	Company
C. O. Bryan	Prod. Foreman	TEXAS CRUDE OIL COMPANY

FILL IN BELOW FOR REMEDIAL WORK REPORTS *ONLY*

ORIGINAL WELL DATA

D F Elev.	T D	P B T D	Producing Interval	Completion Date

Tubing Diameter	Tubing Depth	Oil String Diameter	Oil String Depth

Perforated Interval(s)

Open Hole Interval	Producing Formation(s)

RESULTS OF WORKOVER

Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Well Pote MCFPD
Before Workov						
After Workov						

OIL CONSERVATION COMMISSION

Approved by: John W. Runyan
Title: District I
Date: SEP 20 1966

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

Name: F. N. Littlejohn F. N. Littlejohn
Position: Production Superintendent
Company: TEXAS CRUDE OIL COMPANY

Champion Technologies, Inc.

Committed To Improvement

Water Analysis Report

04/18/2002

Address: P.O. Box 352
Midland, TX 79702

Customer: Xeric
Attention: Eddie Maddox
CC:

Lease: Carter
Formation:

Target Name: Carter 1 | Sample Point: Carter 1 | Sample Date: 04/01/2002 | Test Date: 04/17/2002

Water Analysis(mg/L)

Calcium	9704
Magnesium	3645
Barium	
Strontium	
Sodium(calc.)	62028
Bicarbonate Alkalinity	378
Sulfate	1660
Chloride	122000

Appended Data(mg/L)

CO2	140
H2S	0
Iron	135

Physical Properties

Ionic Strength(calc.)	3.89
pH(calc.)	
Temperature(°F)	90
Pressure(psia)	50
Density	9.48

Additional Data

Specific Gravity	1.14
Total Dissolved Solids(Mg/L)	199415
Total Hardness(CaCO3 Eq Mg/L)	39199

Dew Point	
Lead	
Zinc	

Calcite Calculation Information

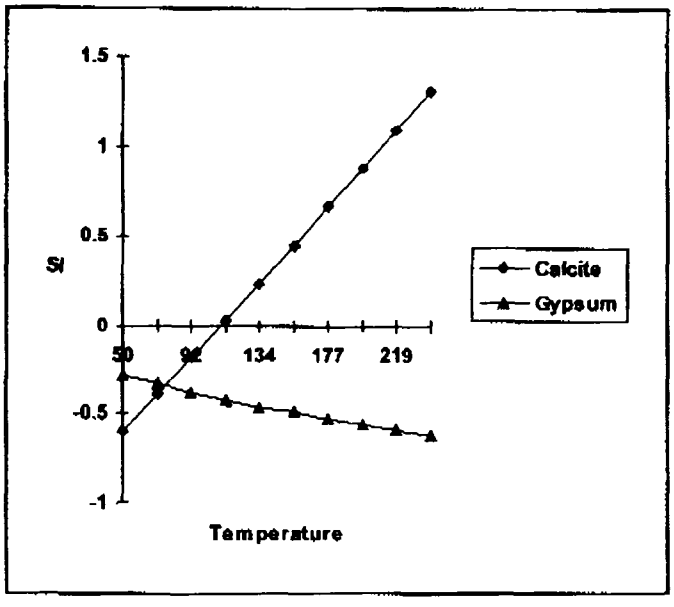
Calculation Method	Value
Known pH	6.53

Remarks:

SI & PTB Results

Scale Type	SI	PTB
Calcite (Calcium Carbonate)	0.20	44.10
Gypsum (Calcium Sulfate)	0.06	113.10
Hemihydrate (Calcium Sulfate)	0.03	47.70
Anhydrite (Calcium Sulfate)	0.18	234.80
Barite (Barium Sulfate)		
Celestite (Strontium Sulfate)		

Saturation Indices



Saturation Index Data Points

	Calcite	Gypsum
50	-0.60	-0.29
71	-0.39	-0.33
92	-0.18	-0.38
113	0.03	-0.42
134	0.24	-0.46
156	0.45	-0.49
177	0.67	-0.53
198	0.88	-0.56
219	1.09	-0.59
240	1.31	-0.62

Champion Technologies, Inc.

Committed To Improvement

Water Analysis Report

04/18/2002

Address: P.O. Box 352
Midland, TX 79702

Customer: Xeric
Attention: Eddie Maddox
CC:

Lease: Mooney
Formation:

Target Name: Mooney 1 | Sample Point: Mooney 1 | Sample Date: 04/01/2002 | Test Date: 04/17/2002

Water Analysis(mg/L)

Calcium	8822
Magnesium	2819
Barium	
Strontium	
Sodium(calc.)	56307
Bicarbonate Alkalinity	305
Sulfate	2000
Chloride	109000

Appended Data(mg/L)

CO2	10
H2S	0
Iron	80

Physical Properties

Ionic Strength(calc.)	3.48
pH(calc.)	
Temperature(°F)	90
Pressure(psia)	50
Density	9.37

Additional Data

Specific Gravity	1.12
Total Dissolved Solids(Mg/L)	179253
Total Hardness(CaCO3 Eq Mg/L)	33608

Dew Point	
Lead	
Zinc	

Calcite Calculation Information

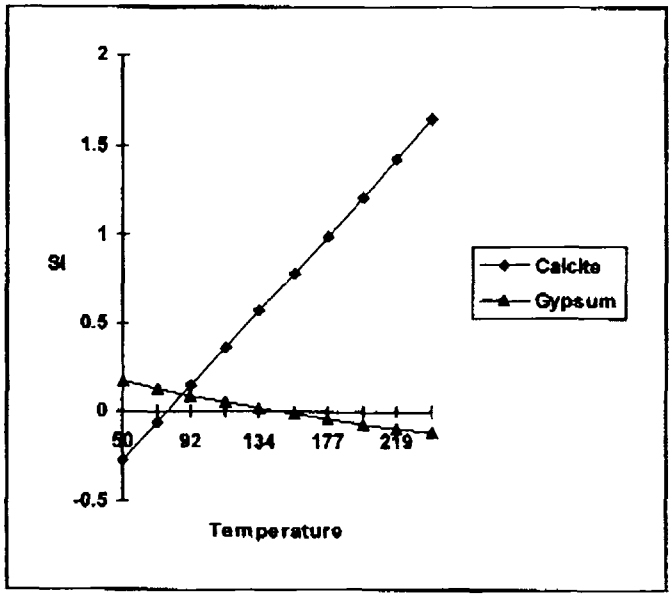
Calculation Method	Value
Known pH	6.65

Remarks:

SI & PTB Results

Scale Type	SI	PTB
Calcite (Calcium Carbonate)	0.12	21.90
Gypsum (Calcium Sulfate)	0.09	189.50
Hemihydrate (Calcium Sulfate)	0.06	116.20
Anhydrite (Calcium Sulfate)	0.16	258.80
Barite (Barium Sulfate)		
Celestite (Strontium Sulfate)		

Saturation Indices



Saturation Index Data Points

	Calcite	Gypsum
50	-0.27	0.17
71	-0.06	0.13
92	0.15	0.09
113	0.36	0.06
134	0.57	0.02
156	0.78	-0.01
177	0.99	-0.04
198	1.21	-0.07
219	1.42	-0.09
240	1.64	-0.11