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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

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,

President

Sent John Market Sent Market Sent John Market Marke

14 NOV - 4 2002

MON COMMENTERS

11/11= votations 11/11= votations 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 1625 N. French Drive Hobbs, New Mexico 88240

Request for Administrative Approval Re: For Water Disposal Well (30-025-35246) Jones Robinson #1 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. 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.

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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,

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 4" hole cemented w/800 SXS

TOC @ surface, circulated

 $5 \frac{1}{2}$ " $15.5 \frac{4}{\text{ft. production casing set @ 8134' in}}$

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'

5370 5302 5350 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 15t 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

Doroon Morries Xeric Oil & Gas P.O. Box 352 MIDLAND, TX 79702

Cust#:

01105518-000

Ad#:

02560177

Phone:

(915)683-3171

2.59

45.70

0.00

45.70

Net:

Prepaid:

Total Due

Date:

10/30/02

Ad taker: Meg

Salesperson: 05

Classification: 672

Description	Start	Stop	ins.	Cost/Day	Surcharges	Total
07 07 Daily News-Sun Affidavit for legals	11/05/02	11/05/02	1	41.10		41.11 2.00
Payment Reference:					Total:	43.11
•					Tax:	2.59

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:
	 Proposed average and maximum daily rate and volume of fluids to be injected; Whether the system is open or closed; Proposed average and maximum injection pressure; Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and, 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
	NAME: R. C. Barnett TITLE: President SIGNATURE: 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:

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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.

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-Production in that field is established from a S,R-39-W. 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' 4532'-4540' 4560'-4568' 4596'-4610' 4660'-4670' 4680'-4710' 4730'-4740' 4932'-4952' 4990'-5000' 5038'-5052' 5284'-5300' 5316'-5326' 5370'-5382' 5390'-5400' 5480'-5492'	ANHYDRITE	SAN ANDRES	1305′

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

1

Company: Xeric Oil & Gas **WELLBORE DIAGRAM**

8/05/01 30–025–35246 DATE: API#

Lease: Location: Jones Robinson

Well No.:

Survey:

T20S - R39E

Sec: 19 Blk: Fleld: DK - Abo Spud : (3/29/01

Ct/St:

G.L.: 3549' Lea, County, NM

Comp: 4/26/01

Current Stat.:

K.B.: 3565' D.F.:

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

acidize w/ 2000 gals 20% (7456'-CIBP @ 7450'

7558') - no oil shows, ISIP = vacuum

Acid frac entire interval w/ 21,350 gals - 5% oil cut

isolate lower Abo w/ C1BP @ 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'

XXXXXXXXXXX

XXXXXXXXXXX

PROPOSED CONFIGURATION

Company: Xeric Oil 8	& Gas	WELLBORE	DIAGRAM	API # 30-025-35246
Lease: Jones Robins Location: T20S - R39 Survey: Ct/St: Lea, County Current Stat.:	E	Well No.: Sec: 19 G.L.: 3549 K.B.: 3565		Fleld: DK - Abo Spud: 3/29/01 Comp: 4/26/01 Initial Form:
5 1/2", 17# Set @ 8134' Cemented W/1040 SXS Circ. to Surface	Cemented Circ. to 1609' 2 7/8" pl W/Baker M New San And 4596-4610 4932-4952 5344-5354 Set CIBP DRINKARD PERF	lastic coat fodel AD-1 fres Perfs 3; 4630-464 4; 4990-500 4; 5370-538 6 5600' 8:7028'-7031',706 acidize w/200 Suspect comm producing @3 Squeezed 8:7100'-7107',711 acidize w/2500 abandon @1E	ed tubing set @ 4470'	-4540; 4560-4568; /10; 4730-4740; 800; 5316-5326;
		42 holes, acidize w/ acidize Acid fra	, 7420'-7446', 7456'-7498', 7500'-7514' 6000 gals 20% (7362'-7446') - 60% oil cu w/ 2000 gals 20% (7456' 7558') - c entire interval w/ 21,350 gals - 5% oil cu wer Abo w/ CIBP @ 7450' - eliminated w	nt oil shows , ISIP = vacuum
TD@ 8134'	CIBP @ 7930' STRAWN PERFS:	7952'-7964' , 7978'- Acidize 1500 gals		

2. Article Number (Copy from service label) 中 기〇〇 〇山〇	4 Jabbs, 44 88441	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: 1. Article Addressed to:	SENDER: COMPLETE THIS SECTION Complete items 1, 2, and 3. Also complete item 4 if Pestricted Delivery is desired.	2. Article Number (Copy from service label) (CO2 D PS Form 3811, July 1999 Domestic R	Eune, 117 88231	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. Article Addressed to: The Contact of the mailpiece, or on the front if space permits.	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
460 000 000 5210 Domestic Return Receipt 102595-00-M-0952	3. Service Type Certified Mail	C. Signature X Agent D. Is delivery address different from item 1? Yes If YES, enter delivery address below: No	A. Received by (Please Print Clearly) B. Date of Delivery	22. 0460 000 0065 5197 Domestic Return Receipt 102595-00-M-0952	3. Service Type 3. Service Type ☐ Certified Mail ☐ Express Mail ☐ Registered ☐ Return Receipt for Merchandise ☐ Insured Mail ☐ C.O.D. 4. Restricted Delivery? (Extra Fee) ☐ Yes	X Agent Agent Addressee D. Is delivery address different from item 1? Yes If YES, enter delivery address below: No	A. Received by (Please Print Clearly) B. Date of Delivery

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

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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

Genla Ylut

Enclosure

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

OPERATOR XERIC OIL & GAS CORP TEXAS CRUDE OIL & GAS	LEASE & WELL NO. CARTER "19" ^, CARTER "A"	LOCATION 1900FS & 467FWL SEC 19 T20S R39E 660FSL & 660FWL	<u>DATE DRILLED</u> 11/4/1998 1/2/1960	<u>DEPTH</u> TD 7540' PBTD 6490' TD 7584' TD 7584'	STATUS PRODUCING P&A 12/1/63	
TEXAS CRUDE OIL & GAS XERIC OIL & GAS CORP.	CARTER "A" CARTER "19"	660FSL & 660FWL SEC 19 T20S R39E 330FSL & 330FWL SEC 19 T20S R39E	1/2/1960 6/19/1997	TD 7584' PBTD 7450' TD 7800' PBTD 6600'	P&A 12/1/63 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	-

OFFSET WELL LSE SUMMARY

WELLBORE DIAGI	₹A	M
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TEXAS CRUDE OIL COMPANY

WELL: <u>Carter "A"</u>	1-19 M Section 19, T20S, R 660' FSL & 660' FWL	39E
COUNTY: Lea		
STATE: NM		Surface Casing 8 5/8" Csg set @ 1663' W/760 SXS Cmt
		Plug #4 Set @ 1646'-1560' W/25SXS Cmt
		Plug #3 Set @2860'-2780' W/25SXS Cmt
4500	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Plug #2 Set @ 4186'-4100' W/25SXS Cmt
injunteral		5 1/2" Csg pulled from 4186
	T. D. 75941	Plug #1 Set @ 6900'-6700' W/25SXS Cmt PRODUCTION CASING 5 1/2" Csg #7472' W/400 SXS Cmt TOC @ 1663' PBTD:
	T.D. 7584'	TD: 7584'

		4						
						. 40	Carlo III	*
SANTA FE FILE U.S.G.S.		N	EW MEXIC	O OIL C	ONSERV	ATION (COMMISSION HOBR	S OFFICE O. C. C.
TRANSPORTER	OIL GAS		MISCEL	LANEOU	S REP	DRTS O	N WELLS	OFFICE O. C. C
PRORATION OF		(Submi	to appropi	late Distri	ct Office	as per Com	UEC 6 mission Rule	146650 AM '63
me of Comp	pany (as Crude Gil				V & J		Midland,	
tase Car	ter "A"		Vell No. 1-19	Unit Letter	Section 19	Township	0 - S	Range R-39-E
L-29 thi	formed 12-1-63	Pool D-K Dr	inkard		(County Le	3 .	
			A REPORT					
	ng Drilling Operation	,	ing Test and	d Cement Jo	ь [Other (E	xplain):	
Plugging	unt of work done, na		nedial Work					
2! 2! 2! 10	in casing pulses ax cement post cement according to the cement of the ceme	lug 4186-41 lug 2860-27 lug 1646-15 lug top aur	00' 80' 60'. A face cas	sing. S				illing mud. top. Location
Witnessed by	Dostulue.		Position Par	ner	7	Company Stic	kney Bros	., Inc.
	Juniare J	FILL IN BEL			WORK RE			
D F Elev.	T D	· · · · · · · · · · · · · · · · · · ·	PBTD	NAL WELL	DATA	Producing	Interval	Completion Date
Tubing Diame	ter	Tubing Depth		Oil Str	ing Diamet	er	Oil Strin	g Depth
Performed Int	arval(e)							
Perforated Interval(s)								
Open Hole Int	erval			Produc	ing Forma	tion(s)		
			RESULT	S OF WOR	KOYER		· · · · · · · · · · · · · · · · · · ·	
Test	Date of Test	Oil Production BPD		roduction FPD		roduction PD	GOR Cubic feet/B	Gas Well Potential MCFPD
Before Workover								
After Workover								
	OIL CONSERVA	TION COMMISSION				that the in ny knowledg		above is true and complete
Approved by	John u	. Rum	san	Name		He R.	Callan	Q
Title /	y ·			Posit		, , ,	perintend	lent
		_		1	ファイ			· · · · · · · · · · · · · · · · · · ·

WELLBORE DIAGRAM

RUSHWALD OIL COMPANY

WELL: Continental State E. E. Carter #1

@4711'

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

201

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

Mud from 1630' to 20'

Cement from TD to 1630'

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

TD: 4711'

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 February 15, 1937
OIL CONSERVATION COMMISSION, Santa Fe, New Mexico.	
Gentlemen:	•
Following is a report on the work done and the result	s obtained under the heading noted above at the
Rushwold 011 Co. Continental	State-E.E. Carter Well No. 1 in the
NE/4 of Sec. 30	Lease T. 20-S R. 59-E N. M. P. M.
Field,	L68County
The dates of this work were as follows:	
Notice of intention to do the work was [was not] subn	nitted on Form C-102 on19
and approval of the proposed plan was [was not] obtai	ned. (Cross out incorrect words.)
DEMARKATION ACCOUNTS OF THE	RK DONE AND RESULTS OBTAINED
and Shole filled with mad to with was then run to the top of hole of ope loint of 4° plus extending New Mexico CileConservation Command thendoning of this well.	hen set at bottom of the 3.5/8" pipe in 20' of the surfaces Cement plug and usual marker was installed consist at above ground level; all rulesses ission were complied with in the plug wold Oil Company. Vice President Company.
Subscribed and sworn to before : 18 this	I hereby swear or affirm that the information given also is true and correct. Name Position District Superint endeat Representing Continental Oil Company Company or Operator Address Box CC. Hobbs, New Mexico
Remarks:	APPROVED /
" L FOID! E	Oil & Gas Inspector

LEGIBLE

Title

WELLBORE DIAGRAM

TEXAS CRUDE OIL COMPANY

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

COUNTY: Lea

Sec. 19, T20S, R39E

- P & A 8/19/66

STATE: NM

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'

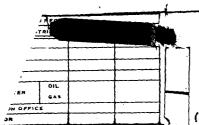
DRilling Mud

CIPB @ 6930' W/25SXS Cmt

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

TD: ____7584'

T.D. 7584'



NEW MEXICO OIL CONSERVATION COMMISSION

FORM C-10 (Rev 3-55)

MISCELLANEOUS REPORTS ON WELLS
(Submit to appropriate District Office Der Commission Rule 1106)

of Com	Dany	******				Addre	ss				
	CRUDE OF	L COM	WMA					J Tower	Midland	Tex	4.0
,e				Well No.	Uni	t Letter		Township		Ran	
Cartes		 ,		1-19		N	19	20-8		3	9-K
te Work Pe	riormed -19, 196	1	Pool Dok Dr	Inkard			·	County	••		
AA.	723 355	7		S A REPO	RT OF:	(Check	approprie				
Beginnin	ng Drilling O	perations		asing Test					Explain):		
Pluggin	g		R.	emedial Wo	ork						
Detailed acco	ount of work d	lone, nat	ure and quantity	of materia	ıls used	, and res	sults obta	ined.			
Gast if from 1 (1) sx	roa brid 876' 32 cement p	ge plu 5 ax c lug ta	d in following set at 69 sement plug of surface, pits fill	1876-1 1876-1 18 casi	apped 626'.	vith area	2 ax c	ement.C)5-1/2" cr filled w	dril	line mud.
									•		
									•		
			•								
Vitnessed by				Positio	on a			Company			
	Ç. Q. 1	Bryan		Pr	od. P	- Camer		TE	LAS CRUDE	OIL	CHIMANY
			FILL IN BE					PORTS O	NLY		
F Elev.		ΤD		OR PB		WELL	DATA	Deadust-	- Tanana I	16	ompletion Date
r Elev.				FD	10			Producing	1 TITLE LAWI		ompletion Date
ubing Diame	ter	1	Tubing Depth			Oil Stri	ing Diame	ter	Oil Str	ing Dep	th
erforated int	erval(s)					l					
pen Hol - Int	erval					Produc	ing Forms	ition(s)		· · · · · · · · · · · · · · · · · · ·	
				RESU	LTS O	F WOR	OVER	·			····
Test	Date of Test		Oil Production BPD		s Produc MCFP			roduction PD	GOR Cubic feet		Gas Well Pote
Before Workov											
After				_					 		
Workov ::			~~~~		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				<u> </u>		<u> </u>
	OIL CONS	ERVAT	ION COMMISSIO	N				y that the it my knowled		en abov	re is true and c
Approv by	Don't	J. K	June 1	u		Nam	P. N.	Littleio	in I)	1 L	titifa
litle	Eu:	aingist.	0	·		Pos	.on	_	•		
ate		SEP			····	Cor	аду	•	erintende N. COMPAN		



Committed To Improvement

Customer: Xeric

Attention: Eddie Maddox

Water Analysis Report Address: P.O. Box 352

Midland, TX 79702

Lease: Carter

Formation:

Sample Point: Carter 1

CC

Target Name; Certer 1	
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		

Sa	mple Date: 04/01/2002	Test Date: 04/17/2002	
	Physical Properties		
7	lonic Strength(calc.)	3.89	
1	pH(calc.)		
1	Temperature(*F)	90	
	Pressure(psla)	50	
	Density	9.48	
	1 14	Delea I	

Additional Data	Centry		
Specific Gravity	1.14		
Total Dissolved Solids(Mg/L)	199415		
Total Hardness(CaCO3 Eq Mg/L)	39199		
SI & PTR Regults			

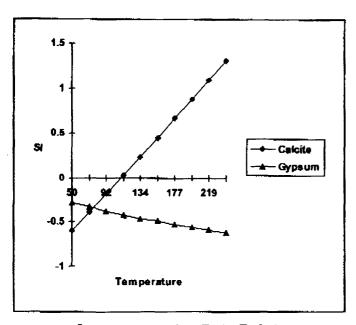
Dew Point	
Lead	
Zinc	

Calcite Calculation information

Calculation Method	Value		
Known pH	6.53		
Remarks:			

Saturation Indices

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



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

· J. Andmandor



Committed To Improvement

Customer: Xeric

Attention: Eddie Maddox

CC:

Water Analysis Report

04/18/2002

Address; P.O. Box 352

Midland, TX 79702

Lease: Mooney

Formation:

Target Name: Mooney 1				
Water Analysis(mg/L)				
Calcium	8822			
Magnesium	2819			
Barlum				
Strontium	., .,			
Sodium(calc.)	56307			
Bicarbonate Alkalinity	305			
Sulfate	2000			
Chloride	109000			

8ample	Point	Mooney 1
Appen	ded D	ata(mg/L)

Sample Date: 04/01/2002

Test Date: 04/17/2002

Physical Properties

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

Additional	Data
	uala

CO2

H2S

Iron

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

10

0 80

Dew Point	
Lead	
Zinc	

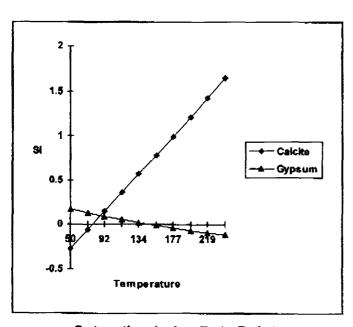
Calcite Calculation Information

Value
6.65
6.65

Saturation Indices

SI & PTB Results

Scale Type	Si	PTB	
Calcite (Calcium Carbonate)	0,12	21.90	
Gypeum (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 Index Data Points

	Calcite	Gypsum
50	-D.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