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OPERATOR	

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

RECEIVED

OCT 11 1977

Bureau of Mines

1a. TYPE OF WELL

OIL WELL ☐

GAS WELL ☒

DRY ☐

OTHER

b. TYPE OF COMPLETION

NEW WELL ☒

WORK OVER ☐

DEEPEN ☐

PLUG BACK ☐

DIFF. RESVR. ☐

O. C. C.
HERTESIA, OFFICE

2. Name of Operator

R. C. Bennett & J. C. Ryan

3. Address of Operator

P. O. Box 264, Midland, Texas 79702

4. Location of Well

UNIT LETTER C LOCATED 660 FEET FROM THE North LINE AND 1980 FEET FROM

THE West LINE OF SEC. 32 TWP. 18S RGE. 25E NMPM

15. Date Spudded

8/10/77

16. Date T.D. Reached

9/5/77

17. Date Compl. (Ready to Prod.)

9-28-77

18. Elevations (DF, RKB, RT, GR, etc.)

3591 GL, 3604 KB

19. Elev. Casinghead

3591 GL

20. Total Depth

8915'

21. Plug Back T.D.

8843'

22. If Multiple Compl., How Many

23. Intervals Drilled By

Rotary Tools

Cable Tools

all

24. Producing Interval(s), of this completion - Top, Bottom, Name

8714 - 8720 Morrow; 8595 - 8603 Morrow; 8541 - 8556' Morrow

25. Was Directional Survey Made

No

26. Type Electric and Other Logs Run

Compensated Density and Guard Log

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"	54#	310'	17 1/2"	300 sx CL "C" w/2% CaCl	
8 5/8"	24#	1140'	12 1/4"	100 sx thick set & 450 sx Hal w/5# Gal-sonite & 1/4# Flocele/sx 200sx CL "C" w/2%	
4 1/2"	10.5#	8915'	7 7/8"	550 sx CL "C" w/5# KCL/sx & .5%CFR2 CaCl	

29.

LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 3/8"	8720	8720

31. Perforation Record (Interval, size and number)

8714 - 8720 - 4 holes per foot

8595 - 8603 - 2 holes per foot

8541 - 8556 - 1 hole per foot

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
8714 - 8720	1500 gal 7 1/2% MS Acid, N ₂
8595 - 8603 &	4500 gal 7 1/2% MS Acid, N ₂
8541 - 8556	

33.

PRODUCTION

Date First Production

9/28/77

Production Method (Flowing, gas lift, pumping - Size and type pump)

Flowing

Well Status (Prod. or Shut-in)

Prod. S /

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
9/28/77	4	1/4"		None	2614	None	Nonw
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
1670	SI		None	4823 AOF	None		

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

Committment to El Paso Natural Gas. Not connected yet.

Test Witnessed By

Bill Baker & EPNG Co.

35. List of Attachments

DST results, deviation record, electric logs, 4-Point test

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

TITLE

Partner

DATE

9/28/77

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than _____ 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 in 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 33 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 1145.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy _____	T. Canyon <u>7505</u>	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn <u>8073</u>	T. Kirtland-Fruitland _____	T. Penn. "C" _____
T. Salt _____	T. Atoka <u>8454</u>	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 _____	T. Mancos _____	T. McCracken _____
T. San Andres <u>665</u>	T. Simpson _____	T. Gallup _____	T. Ignacio Quito _____
T. Glorieta <u>2010</u>	T. McKee _____	T. Base Greenhorn _____	T. Granite _____
T. xxxxx <u>2190</u>	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinberry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo <u>4075</u>	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp <u>5217</u>	T. <u>Morrow 8536</u>	T. Chinle _____	T. _____
T. Penn. _____	T. <u>Mor. Clas 8706</u>	T. Permian _____	T. _____
T. Cisco (Bough C) <u>6260</u>	T. <u>Barnett 8832</u>	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from _____ to _____
 No. 2, from _____ to _____
 No. 3, from _____ to _____
 No. 4, from _____ to _____
 No. 5, from _____ to _____
 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	663	663	red beds and anhydrite				
663	4075	3410	massive dolomite with very thin streaks fine sandstone and shale				
4075	4240	165	interbedded shale & dolomite				
4240	5217	977	massive dolomite with thin streaks shale				
5217	6260	1043	dense limestone & shale				
6260	6610	350	massive limestone				
6610	8536	1926	interbedded limestone, sandstone & shale				
8536	8706	170	limestone				
8706	8832	126	interbedded sandstone & shale				
8832	8915	83	shale				

BENNETT & RYAN Lone Tree #1

Drill Stem Test Results

DST #1: Tool opened with fair blow, increased to strong. Opened to pit on 1/4" choke. Vol est 35,000cf. Rec 650' gas cut mud.

HI	3673	7275' - 7355'
60" ISIP	2455	Lower Cisco
30" FP	471 - 473	
90" FP	368 - 473	
180" FSIP	2855	
HO	3673	

DST #2: Tool opened with good blow. NGTS on 1st opening. GTS in 56" on 2nd opening with 2 1/2# pressure. Tool opened 1st initial preflow 30". SI 1'. FSI 2'. GTS 1'25". TSTM. Rec 185' drilling mud, 76,900ppm, 151°F BHT. Sample chamber 1460cc drilling mud, 25psig.

HI	4076	8275' - 8325'
IFP	85 - 105	Strawn
1' ISIP	3135	
FFP	110 - 148	
2' FSIP	3649	
HO	4076	

DST #3: Tool opened with fair blow, increased to strong. GTS 33" at 25psig on 1/4" choke. Rec 705' drilling mud. Temp 186°F. 17.34# on 3/4" choke. 42,000 cf/gpd decreased to 1 1/2#. Sample Chamber 280#, .945 cf/g, 14 cc drilling mud.

HI	4152	8500' - 8580'
60" ISIP	2895	Atoka
30" IFP	175 - 263	
60" FFP	219 - 278	
120" FSIP	2791	
HO	4137	

DST #4: Tool opened with weak blow increased to good. 2# surface pressure. No gas. 168°F. Rec 386' drilling mud.

HI	4277	8685' - 8810'
ISIP	4261	Morrow
IFP	234	
FFP	234 - 263	
FSIP	4183	
HO	4277	

WELL NAME AND NUMBER Lone Tree #1

LOCATION Section 32, T-18-S, R-25-E
(Give Unit, Section, Township and Range)

OPERATOR R. C. Bennett & J. C. Ryan

DRILLING CONTRACTOR McVay Drilling Company

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above-described well and that he has conducted deviation tests and obtained the following results:

<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>
<u>3/4° 166</u>	<u>1 3/4° 4971</u>	<u> </u>
<u>1° 310</u>	<u>2 3/4° 5262</u>	<u> </u>
<u>1/2° 555</u>	<u>2° 5356</u>	<u> </u>
<u>1/2° 866</u>	<u>2 1/2° 5480</u>	<u> </u>
<u>1/2° 970</u>	<u>2 1/4° 5635</u>	<u> </u>
<u>3/4° 1430</u>	<u>2° 5791</u>	<u> </u>
<u>1/2° 1928</u>	<u>1 3/4° 6009</u>	<u> </u>
<u>1° 2305</u>	<u>1 1/2° 6227</u>	<u> </u>
<u>1 1/4° 2721</u>	<u>1° 6678</u>	<u> </u>
<u>1 1/4° 3210</u>	<u>1 1/4° 7067</u>	<u> </u>
<u>1 3/4° 3613</u>	<u>2° 7355</u>	<u> </u>
<u>1 1/4° 3706</u>	<u>2 1/4° 7473</u>	<u> </u>
<u>1 3/4° 4018</u>	<u>1 3/4° 8325</u>	<u> </u>
<u>1 1/2° 4205</u>	<u>1 3/4° 8580</u>	<u> </u>
<u>1 1/4° 4610</u>	<u>1 3/4° 8915</u>	<u> </u>

Drilling Contractor McVay Drilling Company

By:

Subscribed and sworn to before me this 8th day of September, 1977

Notary Public

My Commission Expires: August 15, 1981

Lea County New Mexico

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NEW MEXICO OIL CONSERVATION COMMISSION
OCT 3 1977

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

O. C. C.
ARTESIA, OFFICE

5a. Indicate Type of Lease	
State ☒	Fee ☐
5. State Oil & Gas Lease No. K-6289	
7. Unit Agreement Name	
8. Farm or Lease Name Lone Tree	
9. Well No. 1	
10. Field and Pool, or Wildcat Morrow	
12. County Eddy	

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT..." (FOR A C-101) FOR SUCH PROPOSALS.)

1. OIL WELL ☐ GAS WELL ☒ OTHER ☐
2. Name of Operator R. C. Bennett & J. C. Ryan
3. Address of Operator P. O. Box 264, Midland, Texas 79702
4. Location of Well UNIT LETTER <u>C</u> <u>660</u> FEET FROM THE <u>North</u> LINE AND <u>1980</u> FEET FROM THE <u>West</u> LINE, SECTION <u>32</u> TOWNSHIP <u>18S</u> RANGE <u>25E</u> NMPM.

15. Elevation (Show whether DF, RT, GR, etc.)
3591 GL, 3604 KB

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	OTHER ☐	CASING TEST AND CEMENT JOBS ☒	OTHER ☐

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Ran 272 joints (8,919') 4 1/2" N-80 and K-55 LT&C and ST&C casing. Set at 8915'. Cemented with 550 sacks Class "C" with 5# KCL per sack and .5% CFR2. Preceded cement with 500 gallons mud flush. Pumped plug down with 138 barrels fresh water. Plugged down at 11:50 p.m. 9/6/77. Waited on cement 18 hrs. Pressure tested to 1500#. No appreciable drop in pressure.

Top Pressure 6540'

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

SIGNED [Signature] TITLE Partner DATE 9/18/77

APPROVED BY [Signature] TITLE SUPERVISOR, DISTRICT II DATE OCT 14 1977
CONDITIONS OF APPROVAL, IF ANY: