

MISCELLANEOUS CHRONOLOGICAL REPORT
MOORE "D" #1
NESS COUNTY, KANSAS

05-25-89

Dumped 300 gal 28% FE. BW 13 BO & 120 BWPD.
AW 25 BO & 151 BWPD. TC \$475.00.

cc: Chrono Book
Well File
C. W. Horsman

MOORE D #1
JANUARY 1993

5th - Failure on 12/23/92. Tbg leak. Split. TCTD \$

APRIL 1993

20th - Pumped 8 bo and 262 bwpd. NPO. 74" x 12 x 1-3/4".

MOORE "D" #1
JUNE 1993

29th -

Build new grade. Reset 160 unit. TCTD \$858.00.

CHRONOLOGICAL DRILLING RECORD

Elevation: 2267' GL

Date of Report	Total Depth	Description of Work Performed
9-2-64		Location staked by Ness County Engineer: 2086 FNL and 554' FWL (150 SW of Cen. SW NW), Section 30-19-21W, Ness County, Kansas. Contr. Peel Brothers, Inc. J. O. 9-1571888.
9-3-64		Location.
9-4-64		Levelling location; digging pits, MIR.
9-5-64		MI, RUR.
9-6-64	505'	RUR. Spudded at 12:00 Noon 9-5-64. Drilled 12½" hole to TD 505'. Ran 17 jts. 8-5/8" OD 32# 10 V-thd. grade "C" casing set at 501' cemented with 250 sx Pozmix 50% with 3% HA-5 and 50 sx common with 3% HA-5; cement circ. Plug down at 5:00 AM 9-6-64. WOC. Elevation 2267 GL.
9-7-64	1635	On trip at 1635; 7-5/8" hole (sh); dev. 1/2° at 1000'.
9-8-64	2495	Drilling (ls); dev. 1/4° at 2000'.
9-9-64	2825	Drilling (ls); dev. 1/4° at 2515'; native mud.
9-10-64	3304	Drilling (ls, sh & chalk streaks); wt. 10.4, vis. 35, WL no check. Top Anhydrite 1480 (+ 795); top Anhydrite flat to Humburg "A" #1.
9-11-64	3609	Drilling (ls & sh). Lost circ. at 3335, made trip, mixed mud and hulls, regained circ. and resumed drilling. Wt. 9.7, vis. 41; no check on WL.
9-12-64	3907	Drilling; (ls); wt. 9.7, vis. 39, WL 10; dev. 1/4° at 3500'.
9-13-64	4135	Drilling (ls); wt. 10, vis. 40, WL 13.8 cc.
9-14-64	4317	Drilling (ls); wt. 9.8, vis. 39, WL 12.8 cc. Top Heebner 3734 (-1459) Toronto 3751 (-1476), Lansing 3782 (-1507), Base K. C. 4106 (-1831), top Ft. Scott (-2001); 5' low to Humburg "A" #1.
9-15-64	4383	TD 4383; top Miss. 4362 (-2187); wt. 10, vis. 45, WL 10 cc. 68' high to Humburg "A" #1. <u>Core #1 4365-4383</u> , recovered 18' 4365-4366.75 Loose dolo., finely crys., trace chert, poor sptd. por 4366.75-4368.25 Shale, limy, dolomitic, as above. 4368.25-4383 Dolomitic limestone, with chert, slightly shaly, spots and streaks fair to poor por., sptd. bleeding oil.
9-16-64	4398	Reaming hole to run DST #1. <u>DST #1 4366-83</u> , 17', Miss., 8-37-90-32, very weak blow throughout, recovered 80' oily mud; ISIP 1371#, IFP 13#, FFP 61#, FSIP 1213#. To Miss. 4368 (-2093); 5' low to "A" #1 (?). <u>Core #2 4383-98</u> ' 4383-85 Dolomitic limestone, chert, shaly, poor with fair por., lt staining to light sptd. sat.; slight bleeding of oil. 4385-87.75 Chert with dolomite, limestone, green shale, poor to fair sptd. por., light sptd. stain to fair sptd. sat., sptd. bleeding of oil. 4387.75-98 Dolomitic limestone with sptd. streaks of chert, poor to sptd. fair por., light staining with spots and streaks of fair sat., sptd. bleeding of oil. Wt. 9.9, vis. 48, WL 10 cc.
9-17-64	4410	<u>DST #2 4383-98</u> , 15', Miss., 10-30-90-32, fair blow, good to strong blow, recovered 750' slightly muddy oil, 100' oily mud, no water; ISI 1354#, IFP 70#, FFP 339#, FSIP 1301#. <u>Core #3 4398-4410</u> , 12', 2 hrs. 34 mins. 4398-4404.75 Dolomitic ls., light gray to buff, finely crys., with spots of med. crys., with some chert, poor with spots c fair por., light staining, spotted black to light sptd. sat. oil.

CHRONOLOGICAL DRILLING RECORD

Date of Report	Total Depth	Description of Work Performed
9-17-64 Contd.		<p>4404.75-4406.25 Sand, partly dolomitic and shaly, with chert, green shale at base, poor to fair por. with light sptd. stain and saturation; spotted bleeding oil.</p> <p>4406.25-4410 Dolomitic ls., finely to med. crys. with chert, sli. shaly, poor to fair por. with light and dark spots of stain with spots of fair sat., sptd. bleeding of oil decreasing to trace.</p> <p>Reamed hole to 4410 and conditioned hole to test. Wt. 9.8, vis. 44, WL 7.6 cc.</p>
9-18-64	4410	<p>DST #3 4398-4410, 12', Miss., 10-30-90-35, fair blow throughout, rec. 180' gas in drill pipe, 210' slightly muddy gassy oil, 45' oil-cut mu 15' muddy water, ISIP 1345#, IFP 34#, FFP 122', FSIP 1310#. TD 4410; wt. 9.6, vis. 45, WL 6.5 cc. Ran Schlumberger Laterolog survey to 4410'. Circ. to run 4 1/2" casing.</p>
9-19-64		<p>RTD 4410; ran 136 jts. 4 1/2" OD 9.5# J-55 casing at 4409' with 100 sx salt saturated cement, good circ. throughout, plug down at 4:30 PM; used 5 - 5 1/2" B&W centralizers at 4100, 4198, 4297, 4362 and 4389; use 3 - 5 1/2" B&W wipers at 4357, 4384 and 4394. WOC.</p>
9-20/27-64		<p>WOC and WOU.</p>
9-28-64		<p>MI, RU unit; swabbing hole down.</p>
9-29-64		<p>Bailed hole down, drilled cement 4393-4398 PBT. Ran correlation collar log 4398-4150; perf. 4388-94, 18 jets, bailed 16.40 gals. oil, 7.51 gals. water in 1 hr. 45 mins. 41,745 ppm chlorides, sp. gr. 1.054, pH 8.5.</p>
9-30-64		<p>Swabbed and bailed 417.72 gals. oil, 7.51 gals. water, 7 hrs. (checked contamination, filtrate and formation water); last 2 hrs. 30.89 gals. oil and no water, and 24.22 gals. oil, no water. Acidized 4389-94 with 250 gals. (BJ) 15% CUacid, 3010 gals. salt water flush, 71 mins. pr. 600# avg. 500# - 500# apsd to 250# in 5 mins., 150#/30 mins., 10:45 mins. through casing, AIR 0.83 BFM, load to recover 77.5 bbls. Swabbed 66.5 bbls. water, show oil, 3 hrs., 11 bbls. load to recover Still 300' fluid in hole (2470' fluid in hole).</p>
10-1-64		<p>Swabbed 87 bbls. oil and 14 bbls. water in 11 hrs., 3 bbls. water ov load. Last 2 hrs. 6.03 bbls. oil, 0.04 bbl. water, and 6.62 bbls. o 0.03 bbl. water. 2760' fluid in hole. Bailed 8.35 gals. water off bottom, and 3.34 gals. oil off bottom.</p>
10-2-64		<p>Ran 146 jts. 2" EUE tubing with 3' perf. bull plugged nipple (4382') with 1' seating nipple at 4377', 173 - 3/4"x25' Jones #2 rods, 2x1 1/2" Fluid Packed pump, 1 - 2', 6' and 8' pony rod; pumped 94.54 bbls. oi 0.95 bbl. water, 12 hrs.</p>
10-3-64		<p>Shut down, tank room.</p>
10-4-64		<p>Shut down, tank room.</p>
10-5-64		<p>Shut down, tank room.</p>
10-6-64		<p>Running oil out of test tank; State test 10-8-64.</p>
10-8-64		<p>Pumped 79.7 bbls. oil, 0.3 bbl. water, 10 hrs. On state test today</p>
10-9-64		<p>Pumped 64.96 bbls. oil, no water, 8 hrs. for State Physical Potentia of 195 bbls. oil, 0 water, 24 hrs. Daily allowable 36 B/D.</p>

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CHRONOLOGICAL WELL RECORD

Page No. 1

Operator Cities Service Oil Company

Lease Moore "D" Well No. 1

Released _____ LOCATION: 2086' FNL, 554' FWL
Section 30-19S-21W
Ness County, Kansas

Interest 100 %

Expense Proposal - Perforate top Mississippi and acidize.

Date 19 <u>73</u>	Total Depth	Description of Work Performed
	4410'	PBTD 4398'
		LOCATION STAKED:
10- 9-73		4½" Casing at 4409'. Present production 35 oil, 42 water, 24 hours. Expense \$2,000. Perforate top Mississippi and acidize. 4 Days. Moved in unit. Pulled rods, pump and tubing. Running tubing with tools to acidize.
10-10-73		Perforate 4372-78 Mississippi 6' - 12 shots. Ran tubing with RBP at 4380' and R.T.T.S. at 4370' to acidize with 250 gallons acid.
10-11-73		Acidize 4372-78' Mississippi with 250 gallons 15% thru 2" tubing with packer at 4370'. 1100#-0#-500# A.I.R. .25 BPM 250# APSD - Vac. in 2 minutes, 13 bbls. water flush, total load 19 bbls. Ran rods. Put on pump.
10-12-73		Pumped 58 oil, 80 water, all load back 24 hours.
10-15-73		Pumped 60 oil, 77 water, 24 hours. Pumped 60 oil, 70 water, 24 hours.
10-16-73		Pumped 56 oil, 62 water, 24 hours.
10-17-73		Pumped 56 oil, 60 water, 24 hours.
10-18-73		Pumped 55 oil, 60 water, 24 hours, PO.
10-19-73		Pumped 55 oil, 61 water, 24 hours.
10-23-73		Pumped 50 oil, 56 water, 24 hours, PO.
10-24-73		Pulled rods and tubing with RTTS & RBP. Rerun 2" tubing with SN at 4385', pump and rods. Back on production.
10-25-73		Pumped 83 oil, 83 water, 24 hours, commingled.
10-26-73		Pumped 64 oil, 64 water, 24 hours, PO.

Lease Moore "D"

County Ness

State Kansas

Date of Report	Total Depth	Description of Work Performed	Page 2
10-29-73		Pumped 58 oil, 61 water, 24 hours. Pumped 57 oil, 60 water, 24 hours.	
		COMPLETE	
		Schaben Field, Ness County, Kansas. Daily Allowable 57 bbls.	
10-30-73		Pumped 55 oil, 57 water, 24 hours.	
10-31-73		Pumped 55 oil, 57 water, 24 hours.	

LEASE & WELL NO.: Moore D
 Locati 2086 FNL-SS4 FNL Sec 301 21u County: Ness
 Elevation -- G.L.: 2267' R.K.B.: 2275
 Date Completed: Sept 17, 1964
 Initial Potential: 195 bo + 0 bw-24
 Producing Formation: Mississippi Top: 4365 (2090)
 Current Production: 17 bo + 70 bw-24
 Accumulated Production: 260,058 bo + 254,021 bw
 Casing: 8 3/4" @ 501' w/ 300sq 4 1/2" @ 4409' w/ 100sq

8 3/4" @
 501'
 7300sq

Total Depth: 4410 PBD: 4398 DV Tool:

WORKOVER RECORD: Completions Drill out to 4398'. Perf 4388-44
 12 w/ 250 gal 15% IP 195 bo + 0 bw

2-17-70 AZ w/ 250 gal MOD-202 + 40 bsw
 Bwo: 48+9 Awo: 66+16

12-4-72 Dump AZ w/ 250 gal Newell + 45 bsw
 Bwo: 43+19 Awo: 67+29

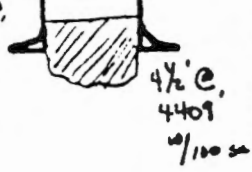
10-31-73 Perf 4372-79 AZ w/ 250 gal + 13 bsw
 Bwo: 55+57 Awo: 35+42

1-30-75 Dump AZ w/ 250 gal MOD 202 + 40 bsw
 Bwo: 33+55 Awo: 40+12

1976 Dump AZ w/ 250 gal MOD-202 + 40 bsw
 Bwo: 25+45 Awo: 43+105

4372-78
 4388-44

PBD
 4398



Perf
 Pass - F. SCOTT, CONG.

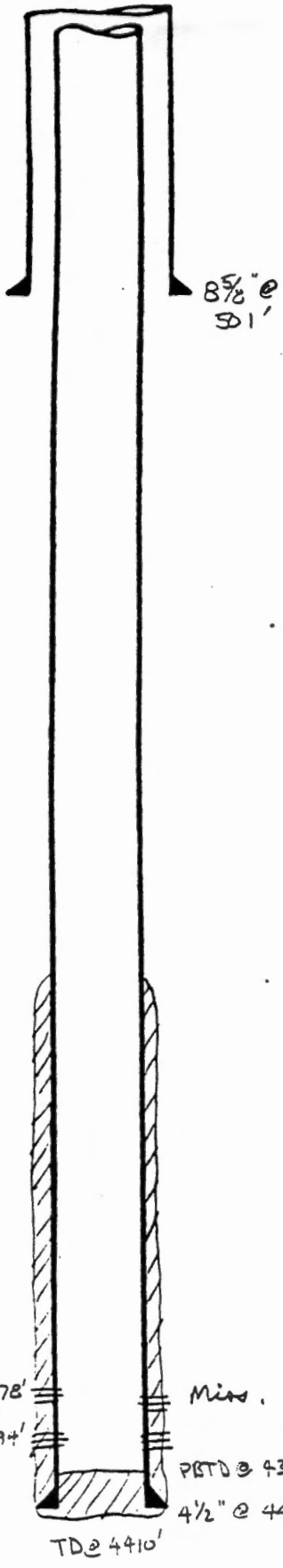
TD 4410'

5-23-83

WELL HISTORY SHEET

Well Name & No.: Moore D#1 (cont)
 Location: 2006' FNL + 554' FNL Section 30 T 19S R 21W
 County: Leas County State: Kansas
 Elevation - RKB: 2275 GL: 2267 Date Completed: 9/17/64
 Initial Production & Zone: 195+0-24 Miss Top: 4388'
 Current Producing Formation: Miss. Top: 4372'
 Current Production: 20.6 BOPD 136 BHPD - MCFPD
 Well Cumulative Production: 309,383 BO 554,083 BW - MCF
 Lease Production: 60 BOPD 451 BHPD - MCFPD
 Casing Record: 17 jts 8 7/8" 32# @ 501' w/ 300 AX, 136 jts 4 1/2" 9.5" J-55 @ 4409' w/ 100 AX
 Total Depth: 4410' PSTD: 4398' DV: _____
 Top of Cement - Long String: _____ TOC-DV: _____
 Logs Run: Schlumberger Interscan

WELL HISTORY: 3 cores in Miss. 3 DST's in Miss.
(see attached)



Future Remedial: per additional Miss. 4364-72 30-95'?
 Prepared By: M. Lynch Date: 1/10/91

- 8-7-84 Dump 250 gal 15% Mod 20Z flush w/ 40 bbl SW.
- 10-29-85 - Dump 300 gal 28% FE + 5% checkersol - 40 bbl flush
- 5-16-86 - Changed out 2 x 1 1/2 x 14' insert pump
- 12-2-87 - Dump 300 gal 28% FE + 2% checkersol - 40 bbl flush
- 3-14-88 Pump change 2 x 1 1/2 x 14' - replaced 2-3/4 rods
- 5-24-89 - Dump 300 gal 28% FE + 5% checkersol - 40 bbl flush
- 11-16-89 - Quit pumping - pulled rods et pump - hole in pull tube
- 10-1-90 - Dump 300 gal 28% FE flush w/ 40 bbl SW.
- 8-29-91 - Dump 300 gal 28% FE flush w/ 40 bbl SW
- 4-6-92 Pull tube split Ran 2 x 1 1/2 x 14' RWT PWO
- 4-30-92 15 HP motor burnt Replaced w/ 25 HP
- 12-23-92 Tbg leak split 138th jt. Changed 2' x 1 1/2" x 14' RWT

10-24-89 - cleaned FWKO - changed anode
6-8-92 cleaned FWKO