

LEAF WELL NO.: Moore "B" #5
Location: 1874' FNL-2086' FEL, Sec. 30-19W-21W County: Ness
Elevation -- G.L.: 2274' R.K.B.: 2278'
Date Completed: June 28, 1965
Initial Potential: 123 BO - 0 BW - 24 hours.
Producing Formation: Mississippi Top: 4388' (-2110)
Current Production: 5 BO - 142 BW - 24 hours
Accumulated Production: 110,538 BO - 626,317 BW
Casing: 8 5/8" at 520' with 275 sacks
4 1/2" at 4404' with 100 sacks
Total Depth: 4408' PBD: 4404' DV Tool:
WORKOVER RECORD: Completion: Drilled and CO to 4404'. Dump 100 gallons acetic acid and 1000 gallons, perf. 4388'-92'. Acidize with 250 gallons 7 1/2% CRA. IP 123 BO - 0 BW.
8-22-67 Dump acid with 250 gallons 15% + 48 BSW .
BWO: 30-6 AWO: 44-41
1-16-68 Dump crude with Hyflow in annulus
BWO: 36-36 AWO: 36-60
1-7-69 Dump acid with 250 gallons Dowell X + 38 BSW
BWO: 21-32 AWO: 78-103
9-4-69 Dump acid with 250 gallons 15% + 45 BSW
BWO: 21-46 AWO: 33-82
2-17-70 Dump acid with 250 gallons MOD-202 + 40 BSW
BWO: 17-50 AWO: 27-107
2-2-71 Dump acid with 250 gallons MOD-202 + 47 BSW
BWO: 13-59 AWO: 40-109
6-16-71 Dump acid with 250 gallons MOD-202 + 50 BSW
BWO: 17-69 AWO: 22-100
2-24-72 Dump acid with 250 gallons MOD-202 + 40 BSW
BWO: 24-91 AWO: 20-114
5-24-72 Dump acid with 250 gallons MOD-202 + 47 BSW
BWO: 18-80 AWO: 31-142
12-4-72 Dump acid with 250 gallons MOD-202 + 42 BSW
BWO: 15-91 AWO: 24-147
9-10-73 Dump acid with 250 gallons MOD-202 + 40 BSW
BWO: 13-107 AWO: 24-181
10-21-83 Pull stuck tubing and repair casing 950'-1100'

8 5/8" @
520'
4 1/2" @
4275'

4388-92
4378-4404

4 1/2" @
4404'
w/100 sacks

PBD
24

TD 4408

5/20/83

LEA WELL NO.: MOORE B (CONT)

Location: 1874 FNL-2086' FEL SEC 30-17-21W County: NESS

Elevation -- G.L.: 2274 R.K.B.: 2278

Date Completed: June 28, 1965

Initial Potential: 123 bo + 0 bw -24

Producing Formation: Mississippi Top: 4388 (-2110)

Current Production: 5 bo + 142 bw -24

Accumulated Production: 110,538 bo + 626,317 bw

Casing: 8 5/8" @ 520' w/ 275sx 4 1/2" @ 4404' w/ 100sx

Total Depth: 4408 PBTD: 4404 DV Tool:

WORKOVER RECORD: COMPLETION: (CONT)

11-5-73 Dump AZ w/ 250 gal MOO-202 + flush
BWO: 14+114 AWO: 21+169

1-30-75 Dump: AZ w/ 250 gal MOO-202 + 40 bw
BWO: 11+114 AWO: 19+140

10-13-75 Perf 4398-4404 AZ w/ 250 gal MOO-202 + 25 bw
BWO: 1160+139 AWO: 16+175

5-14-81 Dump AZ w/ 300 gal MOO-202 + 40 bw
BWO: 6+98 AWO: 11+181

No zones

4388-42
4378-404

PBTD
4404

4 1/2" @
4404'
w/ 100sx

TD 4408

5-20-83

WELL HIST. SHEET

Well Name & No.: Marve B#5 (cont)

Location: _____ Section T R

County: _____ State: _____

Elevation - RKB: _____ GL: _____ Date Completed: _____

Initial Production & Zone: _____ Top: _____

Current Producing Formation: _____ Top: _____

Current Production: 4.7 BOPD 86 BWPD MCFPD

Well Cumulative Production: 122141 BO 900314 BW MCF

Lease Production: 23 BOPD 455 BWPD MCFPD

Casing Record: _____

Total Depth: _____ PBID: _____ DV: _____

Top of Cement - Long String: _____ TOC-DV: _____

Logs Run: Schlumberger Laterolog

WELL HISTORY: 2 DST's in Miss.

10/83 Cement squeeze csg leak at 997 w/ 250 AX, Drill
revent w/ 3 7/8" bit Ldn 937' - 1165'

Regravel w/ 335 AX, Drill cnt from 824' - 981' +
1089' - 2460'

11/3/83 Acidizing w/ 250 gal 15% MCA
AWO 9-196

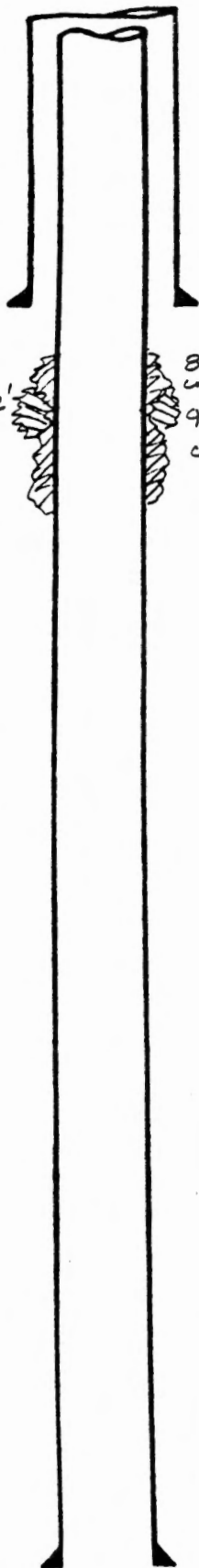
12/83 Gravel 914-1070' w/ 50 AX cnt. Drill cnt from
930 - 932'.

1/18/84 Pumped 250 gal 15% FE acid AWO 10-187

Future Remedial: _____

Prepared By: M. Lynch Date: 1/9/91

Revised (2/86)



CHRONOLOGICAL DRILLING RECORD

Elevation: 2275' DF
2270' GL

Date of Report	Total Depth	Description of Work Performed
6-13-65		Location by Ness County Engineer: 1874' FNL and 2086' FEL, Section 30-19-21W, Ness County, Kansas. Contractor: Peel Brothers, Inc.
6-14/15-65		Waiting on weather.
6-16-65		Levelling location, digging pits.
6-17-65		KI, RUR.
6-18-65		Shut down, rain.
6-19-65	520'	Spudded 12 1/2" hole at 10:00 AM, 6-18-65. Total depth 520'. Ran 13 jts. 8-5/8" OD, 10-V thd., 32# grade "C" casing, cemented with 200 sx Pozmix 50-50 (25 cc) and 75 sx common cement (25 cc). Cement circulated. Plug down at 7:45 PM, 6-19-65. WOC.
6-20-65	2275	Drilling (1s). Top Anhydrite 1495'. Dev. 1/2" at 1000' and 1/4" at 1575' 1/2" at 2000'. Native sul.
6-21-65	2675	Drilling (1s). Dev. 1/2" at 2561.
6-22-65	3050	Drilling (sh & 1s).
6-23-65	3390	Drilling (1s & sh). Lost circ. at 3360; muddied up. Vis. 1/2", Wt. 10.
6-24-65	3705	Drilling (1s & sh). Wt. 10.2, vis. 37, ML 25.8 cc. Dev. 1/2" at 3512'. Strapped drill pipe at 3512', 1.45' long.
6-25-65	3930	Drilling (1s). Wt. 10.2, vis. 38, ML 18.2 cc.
6-26-65	4075	On trip (1s). Dev. 1/2" at 3955'. Wt. 10.2, vis. 38, L 10 cc.
6-27-65	4254	Drilling (1s). Wt. 10.1, vis. 48, ML 18.7 cc.
6-28-65	4380	Drilling (1s). Wt. 10.1, vis. 48, ML 10.2 cc. Elevation: 2275 DF, 2270 GL.
6-29-65	4405 RTD	Tons: Heebner 3756 (-1178), Toronto 3773 (-1175), Lansing 3800 (-1175) base X. C. 4126 (-1018), Ft. Scott 4299 (-1021). DET #1 4385-4395, Miss.-Osage (Miller), 15-30-75-30, fair flow through out test, recovered 300' gas in drill pipe, 180' free oil, 165' muddy oil, ISIP 1349#, IFP 16#, FFP 152#, FSIP 1009#, IHP 1134#. DET #2 4395-4405, Miss.-Osage (Miller), 15-30-75-30, good flow through out test, recovered 300' gas in drill pipe, 284' free oil, 210' muddy oil, ISIP 1354#, IFP 17#, FFP 209#, FSIP 1332#. Wt. 10.2, vis. 52, L 9.4 cc. To condition hole and log.
6-30-65		Conditioned hole and ran Schlumberger Laterolog survey, Schlumberger total depth 4408. Conditioned hole, laid down drill pipe, ran 140 jts. 1 1/2" OD 9.5# "A" and "E" grade J-35 8 rd. thd. casing set at 4404' (51 jts. 10.00'), cemented with 100 sx salt saturated common cement (Howe). good returns; reciprocated pipe while mixing and pumping plug; used 3 B&W centralizers at 4398, 4382, 4277, 4162 and 4078, and 4 B&W turbul tors at 4401, 4392, 4388 and 4370. Plug down at 2:00 AM, 6-30-65. WOC and waiting on mud to dry up.
7-1/8-65		WOC, KICT.
7-9-65		KI, RUR.
7-10-65		Swapped and cased hole down. 3 1/2" 4384'. Drill pipe removed and plug 4384-4394'.
7-11-65	4404' PE TD	Cleaned out cement to 4404', PETD. Dumped 100 mls. acetic acid on bottom, dumped 1000 mls. water on top. Perforated Osage 4385-4392 with 12 shots, sand down.
7-12-65		Shut down.

CHRONOLOGICAL DRILLING RECORD

Page 2

Date of Report	Total Depth	Description of Work Performed
7-13-65		1400' fluid in hole, approx. 1200' water and 200' oil. Swabbed dry. Bailed 5 gals. oil/hr. for 2 hrs. Acidized 4388-92, Ccage (B-J) with 250 gals. 7½% CA acid, 3000 gals. water flush, 2 hrs. 17 mins., pressure 1050#-500#-300 apsd to O# in 3½ mins., input rate 0.12 BPM through casing, total load 78 bbls. water. Swabbed 73 bbls. water to bottom. Swabbed 27.90 bbls. oil, 1 bbl. water, 4 hrs. Last hour, 6.68 bbls. oil and trace mud and water.
7-14-65		2235' fluid in hole, 20 gals. water on bottom. Swabbed 56.76 bbls. oil, trace water, 4 hrs. (bailed 5 gals. water off bottom). Last hour, 5.01 bbls. oil and trace water. Ran 140 fts. 3" L32 "E" grade tubing, seating nipple at 4382' and perforated nipple at 4365', 1' and 3' pups, 2x1½"x12' Fluid Packed (repaired) pump. 174 - 2/4" x 25' Bethlehem CC rods, 6' and 4' pony rods, 1½"x16' polished rod. Put to rumping.
7-15-65		Pumped 127 bbls. oil, 1 bbl. water, 24 hrs. On State test 7-15-65.
7-16-65		Pumped 61.67 bbls. oil, 0.6% BSM, 12 hrs., on pretest for State test.
7-17-65		<u>State Physical Potential:</u> 123 bbls. oil, 0 water, 24 hrs. (Pumped 41.16 bbls. oil, 0.6% water, 3 hours); Schaben field; allowable 11 bbls. per day.

CC: Wichita Geol. Dept.

CITIES SERVICE OIL COMPANY

Daily Well History - Interim Report

INSTRUCTIONS: Interim Reports shall be completed and submitted with the Final Report for the well. Interim Reports are required for all drilling wells and may also be used for recording daily work on significant workovers. The description of work performed on Interim Reports should be a complete report of each days Drilling Activity. On significant wells the Tulsa Office may request Interim Reports as a sheet is filled out.

LEASE / UNIT NAME AND WELL NO.		REGION
Moore "B" #5		Mid-Cont. North
COUNTY - PARISH - STATE - PROVINCE	FIELD OR PROSPECT NAME	AFE NUMBER
Ness, Kansas	Schaben	Expense
DATE AND DEPTH	DESCRIPTION OF WORK PERFORMED	
9-19-75	Location 1874' FNL, 2086' FEL, Section 30-19S-21W, Ness County, Kansas. T.D. 4408'. 4- $\frac{1}{2}$ " casing at 4404'. Mississippi perforations 4388-92. AFE - Perforate and acidize lower zone in Mississippi - \$3,325. Move in unit, rig up. Pulled rods, pump and tubing. Clean out, fillup from 4399' to 4405' PBT. Perforate 4398-4404, Mississippi, 12 shots. Running tubing with RTTS to acidize.	
9/20/75	Spot 250 gals. Mod. 202 on Mississippi, perforations 4398-4404, set RTTS at 4395' and acidize, flush with 1000 gals. water, on vacuum. AIR 1.25 BPM. Communication with upper zone 4388-92, 30 barrels load to recover. Ran pump and rods to put on test.	
9/21/75	Pumped 4 barrels oil, 186 barrels water, 17 hours, all load back.	
9/22/75	Down, electric trouble.	
9/23/75	No Test.	
9/24/75	Pumped 17 barrels oil, 159 barrels water, 24 hours, barrel test, 74 x 12.	
9/26/75	Pumped 14 B.O. - 139 B.W. - 24 hrs. B.T.	
9/27/75	Pulled Rods and Tubing and RTTS. Ran tubing SN at 4390, will run pump and rods this A.M.	
10/1/75	17 B.O. - 194 B.W. - 24 hrs.	
10/2/75	Pumped 17 oil, 194 water, 24 hours.	
10/3/75	Pumped 17 oil, 194 water, 24 hours.	
10/6/75	18 B.O. - 188 B.W. - 24 hrs.	
10/7/75	No report.	
10/8/75	Pumped 18 B.O. - 186 B.W. - 24 hrs.	
10/9/75	Pumped 16 B.O. - 183 B.W. - 24 hrs. P.O.	
10/10/75	N.T.	

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LEASE / UNIT NAME AND WELL NO. Moore "B" #5		REGION Mid-Cont. North
COUNTY - PARISH - STATE - PROVINCE Ness, Kansas		FIELD OR PROSPECT NAME Schaben
		AFE NUMBER Expense
DATE AND DEPTH	DESCRIPTION OF WORK PERFORMED	
10/11/75	Pumped 16 B.O. - 175 B.W. - 24 hrs. B.T. 74x13.	
10/12/75	Pumped 16 B.O. - 175 B.W. - 24 hrs. B.T. 74x13	
10/13/75	Pumped 16 B.O. - 175 B.W. - 24 hrs. B.T. 74x13 Complete Previous Production 11 B.O. - 139 B.W.	

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LEASE / UNIT NAME AND WELL NO.		REGION
Moore "B" #5		MCN
COUNTY - PARISH - STATE - PROVINCE	FIELD OR PROSPECT NAME	AFE NUMBER
Ness County, Kansas		Information
DATE AND DEPTH	DESCRIPTION OF WORK PERFORMED	8-1571377
	Location: 1874' FNL - 2086' FEL, Sec. 30-19S-21W, Ness Co., Ks.	
10/4/83	Down 8 hours, rod part.	
10/5/83	Suspected part, start to pull, could not pull rods or tubing, hung in hole.	
10/6/83	Will move in this A.M. to fish.	
10/7/83	Ran string shot to 2500', shot. Pulled out. Ran dummy string shot to 4260'. Pulled and ran string shot to 4260' and shot. Backed off tubing @ 4260' ±, pull 1 joint of tubing. Ran string shot and shot at 4260'. Backed rods off and pulled 169 - 3/4" (174 in hole).	
10/8/83	Pulled 135 joints (4230'). Ran 2" x 4 1/2 RTTS & RBP on 130 joints 2" tubing. Set plug @ 4101', test to 1500 - OK. Spot 2 sacks sand. Pump down annulus 4 BPM @ 300 psi. Found holes between <u>980' and 1100'</u> , will check closer this A.M.	
10/11/83	<u>Isolated hole @ 1088'</u> , set RTTS @ 1011. AIR 5 BPM @ 600 psi. Mix and pump 250 sacks 60/40 pozmix + 2%cc. Max. pressure - 1400 psi. ISIP - 1000 psi, drop to 100 psi in 10 minutes. Reversed out. Shut in overnight @ 500 psi. Will drill out today.	
10/12/83	Correction on depth of holes and packer setting: <u>holes located @ 997'</u> . RTTS was @ 920'. Pulled tubing and RTTS, ran 3 7/8" bit, tag cement @ 937', drill and circulate cement 937' to 1165' (228'). Pressure squeeze to 500 psi, leaked to 300 psi in 10 minutes. Pull T & B, start in w/tubing to fish RBP.	
10/13/83	Finished running tubing, wash sand off RBP and fished. Pulled tubing and tools. Ran 8 joints (230') 2" x 3" washpipe, on 129 joints 2" tubing. Tagged fish @ 4230'. Wash and mill to 4318' (88'). Pulled up 1 joint. Shut down overnight. TD - 4408', Miss. Perfs 4388'-92'.	
10/14/83	Washed over and mill from 4318'-4408'. Pull 132 joints tubing, 8 joints wash pipe. Ran overshot on tubing, <u>caught fish and pulled out</u> , had 5 - 3/4" rods, 4 joints and BHP. <u>Got all fish out.</u>	
10/17/83	Ran 105 joints 2". <u>Stacked out @ 4358'</u> , (top perfs 4388'). Swab 2 hours, could not lower FL. Pump down backside, circulated. Shut-in tubing, pumped down annulus @ 2 1/2 BPM @ 300 psi. Pulled tubing. Prepare to run RBP & RTTS.	
10/18/83	Ran 4 1/2 X 2" RTTS & RBT on 140 joints 2" tubing. Set down @ 4368', set RBP @ 4328', test to 1500 psi, held OK. Pump down backside 3 BPM @ 450 psi. Start looking for leak. Bad casing (con't)	

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LEASE / UNIT NAME AND WELL NO. Moore "B" #5		REGION MCN
COUNTY - PARISH - STATE - PROVINCE Ness County, Ks.	FIELD OR PROSPECT NAME	AFE NUMBER Information

DATE AND DEPTH	DESCRIPTION OF WORK PERFORMED
10/18/83	(con't) from <u>967' to 1186'</u> (119'), IR - 2 1/2 BPM @ 300 psi. Prepare to cement. *****
10/19/83 **	Will attempt squeezing again today using Dowell.
10/20/83	Set RTTS at 824'. Pressured up annulus to 200 psi; held OK. Took input rate down tubing at 1 BPM at 800 psi. Cemented with 45 sacks of Dowell RFC cement plus 1/2 pound/sack of D29 + 3% CaCl-2. 35 sacks in formation circulated out 10 sacks. Maximum pressure 1600 psi; shut down drifted slowly to 700 psi and held. Washed cement out of tubing. Pressure back up on squeeze to 700 psi and shut in. Will drill out this a.m.
*****10/18/83	<u>Cement w/200 sacks</u> of cement + 3% CaCl-2 + 100 sacks of cement w/ 2% CaCl-2.
10/21/83	Pulled 25 joints 2" tubing and RTTS. Ran bit on 26 joints tubing. Cement top at 824'. Drilled cement from 824' to 981'. Fell through to 1089'. Drilled cement from 1089' to 2140'. Pulled tubing to check bit. Go in today to finish drilling cement.
10/22/83	Ran bit on tubing. Drill cement 1240'-1470' (230').
10/23/83	Drill cement 1470'-1595' (125').
10/25/83	Drill cement from 1595'-1795'. Total drilled to date 951'.
10/26/83	Drilled 180' cement 1795'-1975'.
10/27/83	Drilled 188' of cement from 1975' to 2163'.
10/28/83	Drilled 160' cement from 2163' to 2323'.
10/29/83	Made bit trip, ran new 3 7/8" bot on 74 joints 2" tubing, drill 37' (2323'-2460') fell through, drilled total 1636' cement. Ran bit to 2500', tested casing to 400 psi, fell to 375' in 15 minutes. Wash sand off RBP @ 4328'. Shut down overnight.
10/30/83	Pull tubing and bit. Ran tubing, test casing to 400 psi, held. Shut down for weekend.
10/31/83	Prepare to fish RBP.
11/1/83	Ran RBP catcher to RBP, pressure casing to 400 psi, held OK. Circulate sand off plug, fished, pull tubing and tools. Ran 3 7/8" bit on 141 joints 2" tubing, clean out hole to TD @ 4404'. P.O.O.H. Shut down overnight.

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COUNTY - PARISH - STATE - PROVINCE Ness County, Kansas	FIELD OR PROSPECT NAME	AFE NUMBER Information

DATE AND DEPTH	DESCRIPTION OF WORK PERFORMED
**10/19/83 (left out)	Pull 2 joints to 907'. AIR down tubing 2 BPM @ 400 psi. Mix and pump 200 sacks class A + 3%cc + 100 sacks Class A w/2%cc. Maximum pressure - 400, well went on vacuum. Cleared tubing and shut-in.
11/2/83	Ran 140 joints 2" tubing. SN @ 4383', (perfs @ 4388'-92'). Tried to swab, could not get down. Loaded hole, pumped down annulus, while swabbing recovered 1/2 packer rubber (RBP) out of tubing. Swab well to 4180'. Shut down 1 hour, had 25' F.U. Shut down overnight.
11/3/83	Ran swab, FL @ 1700'. Swab well to 3500'. Loaded hole, spot acid on perfs. 4383'-88'. Acidize w/250 gal. 15% MCA. AIR - 34 GPM @ 300 psi. Cleared tubing w/18 barrels of salt water. ISIP - 300 psi to vac. in 5 minutes. TLAF - 24 bbls. Ran 2 x 1 1/2 x 14' pump and 175 - 3/4" rods. P.W.O.P.
11/5/83	Test 5 B0 - 225 BW - 24 hrs. B.T. 74 x 12 x 1 1/2.
11/6/83	Test 7 B0 - 223 BW - 24 hrs. B.T. 74 x 12 x 1 1/2.
11/7/83	Test 8 B0 - 199 BW - 24 hrs. B.T. 74 x 12 x 1 1/2.
11/8/83	Pumped 9 B0 - 196 BW - 24 hrs. 74 x 12 x 1 1/2. Complete - A.F.E. to repair casing. PP = 5 B0 - 128 BW - 24 hrs.

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LEASE UNIT NAME AND WELL NO. Moore "B" #5		REGION MCN
COUNTY - PARISH - STATE - PROVINCE Ness County, Kansas	FIELD OR PROSPECT NAME Schaben	WELL NUMBER 8-1571371

DATE AND DEPTH	DESCRIPTION OF WORK PERFORMED
	Location: 1874' FNL - 2086' FEL, Sec. 30-19S-21W, Ness Co., Ks.
12/9/83	Making all water. PP = 9 BO - 190 BW - 24 hrs.
12/13/83	Test 0 BO - 333 BW - 24 hrs. 74 x 12 x 1 1/2. Suspect casing leak.
12/14/83	Pull 175 - 3/4" rods, 2 x 1 1/2 x 14' BHP, 140 joints 2" EUE tubing. Ran RBP & RTTS on 128 joints 2" tubing. Swinging at 4000'.
12/15/83	Set RBP @ 4001'. Start at bottom and came up testing between and backside up to 848'. Could not pump into @ 600 psi. Miss Perfs 4388'-92' & 4398'-4404'. PBTB - 4404'. 4 1/2" casing @ 4404'. Will pull and run tubing and swab.
12/16/83	Swabbed hole from G.L. to 1100' through 2" tubing. Retrieved mud, sand and water. Let set 1 hour. Fluid level at 300'. Pulled RBP from 4000'. Reset at 1820'. Found leak between 914' and 1070'. Took input rate 1 1/4 BPM at 600 psi. Will squeeze today.
12/17/83	Wash sand off RBP, moved plug from 1820' to 1101', test plug to 600 psi, held OK. Spot 2 sacks sand on plug. AIR 1 1/4 BPM @ 500 psi. Reset RTTS @ 883'. Mixed and pumped 50 sacks 60/40 pozmix + 2%cc. Maximum pressure 700 psi. Staged 3/4 barrel at 600 psi in 25 minutes. Released pressure - no flow back. Cleared tubing. Pull RTTS up 2 joints, pressure to 600 psi - held OK. Shut in over weekend. Estimate 25 sacks in hole.
12/20/83	Pull 28 joints 2" tubing w/2 x 4 1/2 RTTS. Ran 3 7/8" bit on 30 joints. Tag cement @ 930'. Drill 2' cement, fell thru. Pressure casing from surf. to 300 psi, leaked 30 psi in 5 minutes. Wash sand off RBP. Pull tubing and bit. Ran RBP catcher, seating nipple, swab hole dry. No fillup in 30 minutes.
12/21/83	Checked for fluid buildup - none. Pulled 35 joints 2" tubing + RBP. Ran SN on 138 joints 2" tubing. Found 82' fill up in bottom of well. Pulled 138 joints of tubing and ran 3 7/8" cone bit on 138 joints of tubing. Will clean out well as soon as possible.
12/22/83	No work.
12/27/83	Static F.L. 3200'. Swabbed down. 800' to fillup in 2 hours. Pulled 128 joints of 2" tubing and bit. Will run tubing and rods and put back on pump today.
12/28/83	Hung on, started up - no tests.

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COUNTY - PARISH - STATE - PROVINCE Ness County, Kansas	FIELD OR PROSPECT NAME Schaben	WELL NUMBER 8-1571371

DATE AND DEPTH	DESCRIPTION OF WORK PERFORMED
12/29/83	No test.
12/30/83	No work or test, well running.
1/3/84	No tests.
1/4/84	No test, has colored up.
1/5/84	Took water cut @ 2% oil.
1/6/84	No test, well running.
1/7/84	Test 3 1/2 B0 - 90 BW - 24 hrs. B.T. 74 x 12 x 1 1/2. P.O.
1/10/84	No tests.
1/11/84	No test.
1/12/84	Pumped 3 1/2 B0 - 91 BW - 24 hrs. B.T. P.O. 74 x 12 x 1 1/2.
1/13/84	No test.
1/16/84	Pumped 3 1/2 B0 - 91 BW - 24 hrs. B.T. P.O. 74 x 12 x 1 1/2.
1/17/84	Will dump acid.
1/18/84	Dumped 250 gal 15% Fe down annulus, flush w/70 BSW. PWOP.
1/19/84	No test, well pumping down.
1/20/84	Pumped 4 B0 - 202 BW - 24 hrs. B.T. N.P.O. 74 x 12 x 1 1/2.
1/23/84	No tests. SWD freeze problems.
1/24 & 1/25/84	No test.
1/26/84	Pumped 9 B0 - 174 BW - 24 hrs. B.T. N.P.O. 74 x 12 x 1 1/2.
1/27/84	No test.
1/30/84	Pumped 10 B0 - 187 BW - 24 hrs. B.T. N.P.O. 74 x 12 x 1 1/2. <u>Complete</u> - A.F.E. to repair casing. PP = 9 B0 - 196 BW - 24 hrs.

CITIES SERVICE OIL AND GAS CORPORATION

Daily Well History - Interim Report

INSTRUCTIONS: Interim Reports shall be completed and submitted with the Completion Report for the well. Interim Reports are required for all drilling operations and may also be used for recording daily work on significant workovers. The description of work performed on Interim Reports should be a complete record of each days Drilling Activity. Submit the Interim Report on all wells that have suspended drilling activity.

LEASE / UNIT NAME AND WELL NO. Moore "B" #5		REGION WOA
COUNTY-PARISH-STATE-PROVINCE Ness County, Ks.	FIELD OR PROSPECT NAME N/A	9-1570424 - Reclaim 9-1570425 - New Work

DATE AND DEPTH	DESCRIPTION OF WORK PERFORMED
1/28/85	<p>Location: Section 30-19S-21W, Ness County, Ks.</p> <p>AFE to replace rod string. Replace 55 - 7/8" and 90 - 3/4" rods. Used 10 "B" grade 7/8" and 20 - 3/4" rods. BOP.</p>

MISCELLANEOUS CHRONOLOGICAL REPORT
MOORE "B" #5
NESS COUNTY, KANSAS

08-09-89 Dumped 300 gal 28% FE. BW 5 BO & 77 BWP.
 AW 7 BO & 133 BWP. TC \$475.00.

cc: Chrono Book
 Well File
 C. W. Horsman

MOORE "B" #5

OCTOBER 1992

17th - Pump change. 1-1/2" IP. TCTD \$1454.00.

NOVEMBER 1992

19th - Tbg leak. 1st jr. TCTD \$352.00.

DECEMBER 1992

10th - Tbg split 131st jt. TCTD \$1658.00.

CITIES SERVICE OIL COMPANY
DAILY DRILLING REPORT

BEST SCANNED COPIES

Lease *11000-B* Well No. *5* County *Ness* State *Kansas*

Contractor *S. J. Jones Inc* Date *6-18-65*

Depth at *8 AM* *4 PM* *435* Midnight *7:00*

Driller's *12-8A* *8A-4P* *John Jones* *4P-12* *John Jones*

FORMATION RECORD

FROM	TO	FORMATION	FROM	TO	FORMATION
<i>0</i>	<i>435</i>	<i>oil shale</i>			
<i>435</i>	<i>520</i>	<i>sh. & shells</i>			

SLOPE TESTS

MUD RECORD

DEPTH	DEGREES	INSTRUMENT	TOUR	TIME	CHARACTERISTICS			CONDITIONERS	
					WEIGHT	VIS.-SEC.	WLCC	AMOUNT	KIND
			<i>1</i>					<i>15</i>	<i>3.1</i>
			<i>1</i>					<i>1</i>	<i>lime</i>
			<i>1</i>					<i>3</i>	<i>balls</i>
DRILL PIPE TRIPS			TOUR	TIME					
DEPTH	REASON		<i>2</i>						
			<i>2</i>						
			<i>3</i>						
			<i>3</i>						
			<i>3</i>						

Size Hole *12 1/2* Pump Pressure Midnight Drill Pipe Wt. Midnight
Bit No. Size *1 1/2* From To *500*

CASING RECORD

SIZE	WEIGHT	MAKE	MAKE		TALLY	CEMENTED AT	SACKS	KIND CEMENT
			F. COLLAR	SHOE				

12-8A Remarks:

PD 7/12

8A-4P Remarks:

*Rig up and make Spud 12 1/2 in. diameter
10:00*

4P-12 Remarks:

*Finished Surface Hole Jet collar Made To
Full depth to Run 5 1/2 in. Pipe 18' to 506' used 32"
Case Cemented @ 577' Cemented @ 501' 50-50' was 75'
Cemented @ 500' Cemented @ 500' 50-50' was 75'
W.D.C.*

CITIES SERVICE OIL COMP. (P)
DAILY DRILLING REPORT (P)

Lease M000-5- Well No. 5 County Ness State Kansas

Contractor Deo... Date 6-19-65

Depth at 8 AM 4 PM 1490 Midnight 1500

Driller's 12-8A [Name] 8A-4P [Name] 4P-12 [Name]

FORMATION RECORD

FROM	TO	FORMATION	FROM	TO	FORMATION
520	635	[Formation]	1533	1800	Shale & shells
635	750	[Formation]			
750	1000	[Formation]			
1000	1200	[Formation]			
1200	1225	[Formation]			
1225	1533	[Formation]			

SLOPE TESTS

MUD RECORD

DEPTH	DEGREES	INSTRUMENT	TOUR	TIME	CHARACTERISTICS			CONDITIONERS	
					WEIGHT	VIS.-SEC.	WLCC	AMOUNT	KIND
1535	4	[Instrument]	1						
1000	42	[Instrument]	1						
			1						
			2						
			2						
			3						
			3						
			3						

DRILL PIPE TRIPS

DEPTH	REASON	TOUR	TIME
1535	[Reason]	2	
		2	
		3	
		3	
		3	

Size Hole 7 7/8 Pump Pressure Midnight 400 Drill Pipe Wt. Midnight
 Bit No. 1 4 2 Size 7 7/8 From 520 To 1535

CASING RECORD

SIZE	WEIGHT	MAKE	MAKE		TALLY	CEMENTED AT	S CKS	KIND CEMENT
			F. COLLAR	SHOE				

12-8A Remarks: W. J. C.

8A-4P Remarks: Drill pipe 4 5/8 x 10 1/2 1003'

4P-12 Remarks: Drill pipe 5 1/2 x 10 1/2 1003'

CITIES SERVICE OIL COMPANY
DAILY DRILLING REPORT

Lease Moore "B" Well No. 5 County Ness State Ks.
 Contractor Reel Bros. Inc. Date 6-23-65
 Depth at 8 AM 3050 4 PM 3160 Midnight 3260
 Driller's 12-8A K. Korman 8A-4P On the Reel 4P-12 Flanders

FORMATION RECORD

FROM	TO	FORMATION	FROM	TO	FORMATION
2885	3050	Shale & Lime			
3050	3160	Shale & Lime			
3160	3260	Shale & Lime			

SLOPE TESTS

MUD RECORD

DEPTH	DEGREES	INSTRUMENT	TOUR	TIME	CHARACTERISTICS			CONDITIONERS	
					WEIGHT	VIS.-SEC.	WLCC	AMOUNT	KIND
3215	1/2	Eastman	1						
			1						
			1						
DRILL PIPE TRIPS			2					55x	Hulls
DEPTH	REASON		2						
3215	T.O. For Bit		2						
			3						
			3						
			3						

Size Hole 7 7/8 Pump Pressure Midnight 550 Drill Pipe Wt. Midnight 59,000
 Bit No. 5 4 6 Size 7 7/8 From 2752 To 3215

CASING RECORD

SIZE	WEIGHT	MAKE	MAKE		TALLY	CEMENTED AT	SACKS	KIND CEMENT
			F. COLLAR	SHOE				

12-8A Remarks: C.F. Rig Lost a little mud @ 2990

8A-4P Remarks:

Loosing mud Mix Hulls change

4P-12 Remarks:

12-8A Trip @ 3215 Layed down 1 DC
12-8A Trip @ 3215 Layed down 1 DC

**CITIES SERVICE OIL COMPANY
DAILY DRILLING REPORT**

Lease *Moore "B"* Well No. *5* County *Ness* State *Kansas*
 Contractor *Peel Bros. Inc.* Date *6-23-65*
 Depth at 8 AM *3390* 4 PM *3510* Midnight *3590*
 Driller's 12-8A *Bahannon* 8A-4P *Geo Blouke* 4P-12 *Flanders*

FORMATION RECORD

FROM	TO	FORMATION	FROM	TO	FORMATION
<i>3260</i>	<i>3390</i>	<i>Lime + Shale</i>			
<i>3390</i>	<i>3510</i>	<i>lime + shale</i>			
<i>3510</i>	<i>3590</i>	<i>lime + shale</i>			

SLOPE TESTS

DEPTH	DEGREES	INSTRUMENT
<i>3542</i>	<i>1/2</i>	<i>FORTINER</i>

MUD RECORD

TOUR	TIME	CHARACTERISTICS			CONDITIONERS	
		WEIGHT	VIS.-SEC.	WLCC	AMOUNT	KIND
<i>1</i>	<i>6:30</i>	<i>10.3</i>	<i>38</i>		<i>17 Salt mud - 7 Gal.</i>	
<i>1</i>					<i>4 Ace gel - 20 Star</i>	
<i>1</i>					<i>11 Halls - 100# Pres.</i>	
<i>2</i>	<i>7:00</i>	<i>10.1</i>	<i>37</i>		<i>4 Pore Dam 35x5 1/2 gal.</i>	
<i>2</i>	<i>10:00</i>	<i>10.1</i>	<i>38</i>	<i>26.8</i>	<i>2x 3.1 B 34.8 1/2 gal.</i>	
<i>2</i>	<i>2:00</i>	<i>10.2</i>	<i>36</i>			
<i>3</i>	<i>1:00</i>	<i>10.2</i>	<i>35</i>	<i>26.8</i>	<i>8 Starch</i>	
<i>3</i>	<i>10:00</i>	<i>10.2</i>	<i>36</i>			

DRILL PIPE TRIPS

DEPTH	REASON
<i>3542</i>	<i>B; Trip</i>

Size Hole *7 7/8* Pump Pressure Midnight *500* Drill Pipe Wt. Midnight *122.000*
 Bit No. *6 & 7* Size *7 7/8* From *3215* To *3542*

CASING RECORD

SIZE	WEIGHT	MAKE	MAKE		TALLY	CEMENTED AT	SACKS	KIND CEMENT
			F. COLLAR	SHOE				

12-8A Remarks: *Lost circ. @ 3360*

8A-4P Remarks:

4P-12 Remarks: *LOST TRIP AT 3542 STOP DRILLING
 O.P. 4P-12 = 70 20 PM.*

*Record 3564-90
 3565-3045
 1-20*

**CITIES SERVICE OIL COMPANY
DAILY DRILLING REPORT**

Lease Moore "B" Well No. 5 County Ness State Ks.
 Contractor Peel Bros. Inc. Date 6-24-65
 Depth at 8 AM 3705 4 PM 3765 Midnight 3850
 Driller's 12-8A Bohannon 8A-4P Joe Clark 4P-12 Flanders

FORMATION RECORD

FROM	TO	FORMATION	FROM	TO	FORMATION
3590	3705	Lime & Shale			
3705	3765	lime & shale			
3765	3850	Lime			

SLOPE TESTS

MUD RECORD

DEPTH	DEGREES	INSTRUMENT	TOUR	TIME	CHARACTERISTICS			CONDITIONERS	
					WEIGHT	VIS.-SEC.	WLCC	AMOUNT	KIND
			1	11:00	10.2	36	26.8	3 st.	Starch
			1	2:00	10.2	37		3	Salt-mud
			1	6:00	10.2	37		1	Alce-ool
DRILL PIPE TRIPS									
DEPTH	REASON								
3763	S. - T. D.		2	9:20	10.2	37			
			2	10:20	10.1	40	18.2		
			3	4:00	10.2	38	18.2	6 Starch	2 Hulls
			3	7:00	10.1	36		6 Salt-mud	1.5 gal DD
			3	10:00	10.2	40		2 Pel	25% Free

Size Hole 7 7/8 Pump Pressure Midnight 500 Drill Pipe Wt. Midnight 66,000
 Bit No. 7 & 8 Size 7 7/8 From 3542 To 3763

CASING RECORD

SIZE	WEIGHT	MAKE	MAKE		TALLY	CEMENTED AT	SACKS	KIND CEMENT
			F. COLLAR	SHOE				

12-8A Remarks:

8A-4P Remarks:

trip 3763 bit 8 OK @ 2:30 PM.

4P-12 Remarks:

12-8A P. 9

CITIES SERVICE OIL COMPANY DAILY DRILLING REPORT

Lease Moore "B" Well No. 5 County Ness State Ks.
 Contractor Peel Bros. Inc. Date 6-25-65
 Depth at 8 AM 3930 4 PM 3983 Midnight 4040
 Driller's 12-8A Bohannon 8A-4P [unclear] 4P-12 Flanders

FORMATION RECORD

FROM	TO	FORMATION	FROM	TO	FORMATION
3850	3930	Lime			
2970	3983	Lime			
3983	4040	Lime			

SLOPE TESTS

MUD RECORD

DEPTH	DEGREES	INSTRUMENT	TOUR	TIME	CHARACTERISTICS			CONDITIONERS	
					WEIGHT	VIS.-SEC.	WLCC	AMOUNT	KIND
3955	74	Cashman	1	11:30	10.3	38	18.2	3	Starch
			1	2:00	10.3	38			
			1	5:00	10.3	38		3	starch
DRILL PIPE TRIPS			2	9:50	10.4	39		1/2	starch
DEPTH	REASON		2	11:00	10.2	43	16	1 can	D.D.
3955	B.1 #300 #9 in		2	2:30	10.2	40		3 SN	W. 11's
			3	4:00	10.2	37	16.0	2 SN	W. 11's
			3					2 SN	
			3	10:00	10.2	40		2 SN	starch

Size Hole 7 7/8 Pump Pressure Midnight 550 Drill Pipe Wt. Midnight 109.00
 Bit No. 8 #7 Size 7 7/8 From 3763 - 3915 To 3915

CASING RECORD

SIZE	WEIGHT	MAKE	MAKE		TALLY	CEMENTED AT	SACKS	KIND CEMENT
			F. COLLAR	SHOE				

12-8A Remarks:

8A-4P Remarks:

trip @ 3955 Bit #4 CB @ 12:00 Noon

4P-12 Remarks:

OK Rig

CITIES SERVICE OIL COMPANY

DAILY DRILLING REPORT

Lease Moore "B" Well No. 5 County Ness State Ks.

Contractor Peel Bros. Inc. Date 6-26-65

Depth at 8 AM 4075 4 PM 4135 Midnight 4210

Driller's 12-8A Behannon 8A-4P Decker 4P-12 Flanders

FORMATION RECORD

FROM	TO	FORMATION	FROM	TO	FORMATION
4040	4075	Lime			
4075	4135				
4135	4210	Lime			

SLOPE TESTS

MUD RECORD

DEPTH	DEGREES	INSTRUMENT	TOUR	TIME	CHARACTERISTICS			CONDITIONERS	
					WEIGHT	VIS.-SEC.	WLCC	AMOUNT	KIND
			1	11:00	10.2	38	16	6	Salt-gel
			1	4:30	10.2	40		2	gel
			1					4	Starch
DRILL PIPE TRIPS			2	8:30	10.1	38		8	Salt-gel
DEPTH	REASON		2	1:00	10	45	13.2	35	starch
4075	Bit trip		2	2:30	10	40		5	starch
			3	3:00	10.0	40	13.2	6	Salt mud
			3	8:00	10.1	47		5	Starch
			3	10:00	10.1	48			

Size Hole 7 7/8 Pump Pressure Midnight 550 Drill Pipe Wt. Midnight 70,000

Bit No. 9-10 Size 7 7/8 From 3955-4075 To 4075-

CASING RECORD

SIZE	WEIGHT	MAKE	MAKE		TALLY	CEMENTED AT	SACKS	KIND CEMENT
			F. COLLAR	SHOE				

12-8A Remarks: Pull bit # 9 @ 4075

8A-4P Remarks: DR P. - 10 @ 8:00

4P-12 Remarks:

**CITIES SERVICE OIL COMPANY
DAILY DRILLING REPORT**

Lease Moore B Well No. 5 County Ness State Ks.
 Contractor Peel Bros. Inc. Date 6-27-65
 Depth at 8 AM 4254 4 PM 4305 Midnight 4350
 Driller's 12-8A Bolannon 8A-4P Joe Clavie 4P-12 Flinders

FORMATION RECORD

FROM	TO	FORMATION	FROM	TO	FORMATION
4210	4254	Lime	4305	4350	Lime
4254	4305	Lime			

SLOPE TESTS

MUD RECORD

DEPTH	DEGREES	INSTRUMENT	TOUR	TIME	CHARACTERISTICS			CONDITIONERS	
					WEIGHT	VIS.-SEC.	WLCC	AMOUNT	KIND
			1	11:00	10.2	46	13.2	5	Starch
			1	2:00	10.2	45			
			1	5:00	10.2	45		2sx	Holls
DRILL PIPE TRIPS			2	8:20	10.2	48		2sx	Fluor
DEPTH	REASON		2	11:00	10.2	48	10.2	50	Process
4254	Bit Trip		2					1 Cam	D. D.
			3	3:30	10.2	43	10.2	45	Starch
			3	7:25	10.2	45		4	SAL-MIX
			3	11:00	10.1	48			

Size Hole 7 7/8 Pump Pressure Midnight 500 Drill Pipe Wt. Midnight 70,000
 Bit No. 10 Size 7 7/8 From 4075-4254 To

CASING RECORD

SIZE	WEIGHT	MAKE	MAKE		TALLY	CEMENTED AT	SACKS	KIND CEMENT
			F. COLLAR	SHOE				

12-8A Remarks: Pull bit # 10 @ 4254

8A-4P Remarks: OP 2 - # 11 "W4" @ 8:30 AM

4P-12 Remarks: C.F.S. @ 4305 1hr 1/2 hr Mixing mud

1 1/2 hr - 2 Time 7:00

**CITIES SERVICE OIL COMPANY
DAILY DRILLING REPORT**

Lease Moore "B" Well No. 5 County Ness State Ks.
 Contractor Peel Bros. Inc. Date 6-28-65
 Depth at 8 AM 4380 4 PM Midnight 4405
 Driller's 12-8A Balaman 8A-4P [Signature] 4P-12 Flauders

FORMATION RECORD

FROM	TO	FORMATION	FROM	TO	FORMATION
4350	4380	Lime	4395	4405	Lime
4380	4395	lime			
4385	4395	cherty lime			

SLOPE TESTS

MUD RECORD

DEPTH	DEGREES	INSTRUMENT	TOUR	TIME	CHARACTERISTICS			CONDITIONERS	
					WEIGHT	VIS.-SEC.	WLCC	AMOUNT	KIND
			1	11:00	10.1	47	10.2	4	Starch
			1	3:00	10.1	48			
			1	6:00	10.2	47			
DRILL PIPE TRIPS			2	8:00	10.2	48			
DEPTH	REASON		2						
4395	D.S.T. #1		2						
			3	10:00	10.0	46	7.4		
			3						
			3						

Size Hole 7 7/8 Pump Pressure Midnight 500 # Drill Pipe Wt. Midnight 70,000
 Bit No. 11 Size 7 7/8 From 4254 To

CASING RECORD

SIZE	WEIGHT	MAKE	MAKE		TALLY	CEMENTED AT	SACKS	KIND CEMENT
			F. COLLAR	SHOE				

12-8A Remarks: C.F.S. @ 4362. 1 3/4 hrs. C.F.S. @ 4370 1 1/4 hrs
3 hrs. Co. Time w/D.P.

8A-4P Remarks:
QES @ 4397 2 hrs
IF @ 4395 1 1/2 hrs
Pull out hole pickup Miller tester Run in hole for
2 1/2 hrs @ 2400 Rev 1/4 hr Shut in 1/2 hr
7 hrs Co. Time w/D.P.

4P-12 Remarks: D.S.T. #1 4385-95 OPEN 1 1/2 hr Shut in 1/2 hr Pull out D.S.T.
300' = 120' 180' = Free oil 165' = mud 11'
IF 36" = 150' IS TP 1349 FS TP 1300' Layer
Jan 11 12-8A hole 3 1/2" = 2 1/2" @ 1600 lb to touch hole
D-19 10' C.F.S. @ 4405 1 1/2 hr
7 hrs Co. Time w/D.P.

**CITIES SERVICE OIL COMPANY
DAILY DRILLING REPORT**

Lease Moore "B" Well No. 5 County Ness State Ks.
 Contractor Peel Bros. Inc. Date 6-29-65
 Depth at 8 AM 4405 4 PM 4405 Midnight
 Driller's 12-8A Bolaman 8A-4P Joe Martin 4P-12 Flanders

FORMATION RECORD

FROM	TO	FORMATION	FROM	TO	FORMATION
<u>4405</u>					

SLOPE TESTS

MUD RECORD

DEPTH	DEGREES	INSTRUMENT	TOUR	TIME	CHARACTERISTICS			CONDITIONERS	
					WEIGHT	VIS.-SEC.	WLCC	AMOUNT	KIND
			1	11:00	10.1	46	9.4		
			1						
			1						
DRILL PIPE TRIPS			2	7:30	9.7	50	9.4	65d	Salt sol
DEPTH	REASON		2					2.5d	Free sol
<u>4405</u>	<u>D.S.T. # 2</u>		2						
<u>4405</u>	<u>log</u>		3						
			3						
			3						

Size Hole Pump Pressure Midnight Drill Pipe Wt. Midnight
 Bit No. Size From To

CASING RECORD

SIZE	WEIGHT	MAKE		TALLY	CEMENTED AT	SACKS	KIND CEMENT
		F. COLLAR	SHOE				

12-8A Remarks: C.F.S. @ 4405 1/2 hr. Pull out for D.S.T. # 2 (4395-4405)
O.B. w/ tool @ 2:10. Open 1 hr., Closed 1/2 hr., Open 3/4 hr., Closed 1/2 hr.
Pull test. Rec. 360' Gas, 266' Free oil, 240' Muddy oil.
I.C.T.P. 1354, I.F.P. 57, F.F.P. 209, F.C.T.P. 1333. Start in hole
8 hrs. C. Time w/D.P.

8A-4P Remarks:
7:00 - 8:00 Running hole 8:00 - 8:45 Mix Mud
8:45 - 10:00 Open hole 10:00 - 11:30 pull out hole
11:30 - 3:00 Logging
3 1/2 hr C. Time w/D.P.
4 1/2 hr C. Time w/D.P.

4P-12 Remarks: 3:00 3:30 1:00 3:30 3:00 Running Hole w/B.T
D.P. 5:20 6:30 1 1/2 hr C. Time on Hole
LAY DOWN DRILL PIPE 5:00 P.M. - START LOGGING
1/2 hr C. Time w/D.P. 3 hrs C. Time w/D.P.

**CITIES SERVICE OIL COMPANY
DAILY DRILLING REPORT**

Lease **Moore B** Well No. **5** County **Ness** State **Ks.**
 Contractor **Peel Bros. Inc.** Date **6-30-65**
 Depth at **8 AM** **4 PM** **Midnight**
 Driller's **12-8A Shannon** **8A-4P** **4P-12**

FORMATION RECORD

FROM	TO	FORMATION	FROM	TO	FORMATION

SLOPE TESTS

MUD RECORD

DEPTH	DEGREES	INSTRUMENT	TOUR	TIME	CHARACTERISTICS			CONDITIONERS	
					WEIGHT	VIS.-SEC.	WLCC	AMOUNT	KIND
			1						
			1						
			1						
DRILL PIPE TRIPS			2						
DEPTH	REASON		2						
			2						
			2						
			3						
			3						
			3						

Size Hole _____ Pump Pressure Midnight _____ Drill Pipe Wt. Midnight _____
 Bit No. _____ Size _____ From _____ To _____

CASING RECORD

SIZE	WEIGHT	MAKE	MAKE		TALLY	CEMENTED AT	SACKS	KIND CEMENT
			F. COLLAR	SHOE				

12-8A Remarks: **Ran 140 JTS. 4 1/2" A+B grade casing cemented with 100 sacks of Rosemount salt saturated cement plug down 2 AM**

8A-4P Remarks:

4P-12 Remarks:

CITIES SERVICE OIL COMPANY DAILY DRILLING REPORT

Lease PE 2 Well No. 7 County NESS State KANSAS

Contractor YOST, William 30 Date 7-9-1965
Depth at 8 AM 4 PM Midnight
Driller's 12-8A 8A-4P 4P-12

FORMATION RECORD

FROM	TO	FORMATION	FROM	TO	FORMATION

SLOPE TESTS

MUD RECORD

DEPTH	DEGREES	INSTRUMENT	TOUR	TIME	CHARACTERISTICS			CONDITIONERS	
					WEIGHT	VIS.-SEC.	WLCC	AMOUNT	KIND
			1						
			1						
			1						
DRILL PIPE TRIPS			2						
DEPTH	REASON		2						
			2						
			3						
			3						
			3						

Size Hole _____ Pump Pressure Midnight _____ Drill Pipe Wt. Midnight _____
Bit No. _____ Size _____ From _____ To _____

CASING RECORD

SIZE	WEIGHT	MAKE	MAKE		TALLY	CEMENTED AT	SACKS	KIND CEMENT
			F. COLLAR	SHOE				

12-8A Remarks: *Handwritten notes and signatures*

8A-4P Remarks: *Handwritten notes and signatures*

4P-12 Remarks: *Handwritten notes and signatures*

**CITES SERVICE OIL COMPANY
DAILY DRILLING REPORT**

Lease MOORE B Well No. 5 County NEES State KANSAS

Contractor WASZ Date 7-13-1965

Depth at 8 AM 4 PM Midnight

Driller's 12-8A 8A-4P 4P-12

FORMATION RECORD

FROM	TO	FORMATION	FROM	TO	FORMATION

SLOPE TESTS

MUD RECORD

DEPTH	DEGREES	INSTRUMENT	TOUR	TIME	CHARACTERISTICS			CONDITIONERS	
					WEIGHT	VIS.-SEC.	WLCC	AMOUNT	KIND
			1						
			1						
			1						
DRILL PIPE TRIPS			2						
DEPTH	REASON		2						
			2						
			3						
			3						
			3						

Size Hole _____ Pump Pressure Midnight _____ Drill Pipe Wt. Midnight _____

Bit No. _____ Size _____ From _____ To _____

CASING RECORD

SIZE	WEIGHT	MAKE	MAKE		TALLY	CEMENTED AT	SACKS	KIND CEMENT
			F. COLLAR	SHOE				

12-8A Remarks: Run 12-8A casing 100 ft
12-8A casing 100 ft

8A-4P Remarks: 1-11-65

4P-12 Remarks:

- 1-17-84 - Dumped 250 gal. 15% Ag down annulus flush w/ 70 bbl wtr.
- 2-29-84 - Parted $\frac{3}{4}$ body break 9 deep
- 3-6-84 - Tbg leak - split in 127th jt $2\frac{3}{8}$ " tbg.
- 4-25-84 - Pulled rods & pump no part will pull tbg
- 4-26-84 - Tested tubing - blew out 18 jts. 2" tbg ran back + 4 hr. hanging
- 9-4-84 - Parted
- 11-15-84 - Pump parted
- 11-16-84 - couldn't fish pump - had to pull tbg.
- 11-19-84 - Parted
- 11-28-84 - Parted - pulled 11-30 - $\frac{3}{4}$ body break 10 deep
- 1-2-85 - Parted - $\frac{3}{4}$ box break on 163rd rod
- 1-11-85 - Parted - $\frac{3}{4}$ body break 128 deep.
- 1-25-85 - Layed down rods in singles - Ran 55- $\frac{7}{8}$ Agr, 10- $\frac{7}{8}$ Bgr.
90- $\frac{3}{4}$ Agr. 20- $\frac{3}{4}$ Bgr.
- 2-26-85 - Parted - polish rod box break
- 3-14-85 - Tbg leak - split in 100th jt 2" tbg.
- 10-29-85 - Dump 300 gal 28% FE + 5% checkersol - flush w/ 40 bbl sw
- 6-17-86 - Changed out 2x 1 $\frac{1}{2}$ x 14' pump
- 1-20-87 - Changed out 2x 1 $\frac{1}{2}$ x 14' pump
- 5-26-87 - Pump stuck - changed out 2x 1 $\frac{1}{2}$ x 14' pump
- 5-27-87 - Tbg leak - pulled tbg - hole in 139th jt. - change out 46 bad jts. & 3 bad collars.
- 12-2-87 - Dump 300 gal 28% FE + 2% checkersol - 40 bbl flush
- 12-18-87 - Change out 2x 1 $\frac{1}{2}$ x 14' insert pump
- 1-21-88 - Quit Pumping - tbg leak split on 139th jt $2\frac{3}{8}$ tbg.
- 2-19-88 - Quit Pumping - pulled rods & pump - looked OK - pulled tbg - rack tested - blew out 24 jts $2\frac{3}{8}$ RBH - PWOP
- 7-19-89 - Dump 300 gal 28% FE + 5% checkersol - 40 bbl flush
- 9-13-90 - Dump 300 gal 28% FE flush w/ 40 bbl sw
- 11-25-91 - pulled out pump / changed it - ran it back in. (2x 1 $\frac{1}{2}$ x 14')
- 8-27-92 - Tbg leak - rack TESTED 5 collars, 3 threads AWOP
- 8-31-92 - TA'ed gear box bad.
- 9-15-92 - changed out gear box on Lubkin 160 D AWOP

10-15-92 Pump change 2' x 1 1/2" x 14' Replaced 25 3/4" rods

11-17-92 Tbg leak hole in 1st jT

12-7-92 Tbg leak split in 13/15 jT

1-21-93 Tbg leak split in 142 jT