

*W. J. Gabbert*



GABBERT - J (ES. INC.  
830 SUTTON PLACE • PHONE FO 3-6209 • WICHITA, KANSAS 67202

TO CITIES SERVICE OIL COMPANY  
710 SUTTON PLACE  
WICHITA, KANSAS 67202

DATE OCTOBER 31, 1967

INVOICE NO. 933

Drill

REIN "A" #5, 150' NW of C SE NW SECTION 29-19S-21W, NESS COUNTY, KANSAS

ITEM	AMOUNT
ROTARY TOTAL DEPTH	4459 FEET
LESS: ROTARY BUSHING TO GROUND	5 FEET
NET FOOTAGE DRILLED	4454 FEET @ \$2.40
	<u>\$10,689.60</u>
ROTARY DAY WORK:	
10-20-67 CIRCULATE FOR SAMPLES @ 4370'	1 Hr. 45 Min.
CIRCULATE FOR SAMPLES @ 4445'	3 Hrs. 15 Min.
CIRCULATE FOR SAMPLES @ 4449'	1 Hr. 30 Min.
START DST #1 @ 4449'	4 Hrs. 40 Min.
10-21-67 DST #1, MISRUN, CONDITION HOLE AND RERUN TWICE	20 Hrs. 50 Min.
CIRCULATE FOR SAMPLES @ 4459'	2 Hrs. -- Min.
START DST #2	-- Hrs. 35 Min.
10-22-67 RUN DST #2, MISRUN, CONDITION HOLE, RERUN, HAD PACKER FAILURE	24 Hrs. -- Min.
10-23-67 RERUN DST #2, WAIT UNTIL DAYLIGHT TO PULL TOOL	12 Hrs. 45 Min.
CIRCULATE AFTER DST #2	2 Hrs. 30 Min.
TRIP OUT FOR ELECTRIC LOG	1 Hr. 45 Min.
*RUN ELECTRIC LOG	6 Hrs. 45 Min.
START TRIP IN HOLE	-- Hrs. 15 Min.
10-24-67 COMPLETE TRIP IN HOLE AND CIRCULATE ON ORDERS	3 Hrs. 15 Min.
TOTAL DAY WORK @ \$720.00 PER DAY <i>W.D.P.</i>	79 Hrs. 5 Min.
*TOTAL DAY WORK @ \$660.00 PER DAY <i>W.D.P.</i>	6 Hrs. 45 Min.
	<u>2,372.50</u>
	<u>185.00</u>
TOTAL	<u>\$13,247.70</u>

REC'D - GREAT BEND  
PROD. DIV.  
NOV 6 1967

*9-1574394*  
*De*  
*11/5/67*

*Service Rendered*

*2 Total 11/5/67*

**INSTRUCTIONS:** Interim Reports shall be completed and submitted with the Completion 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. Submit the Interim Report on all wells that have suspended drilling activity.

LEASE / UNIT NAME AND WELL NO.		REGION
Rein "A" #5		MCN
COUNTY - PARISH - STATE - PROVINCE	FIELD OR PROSPECT NAME	AREA NUMBER
Ness, Kansas	Schaben	Lease expense
DATE AND DEPTH	DESCRIPTION OF WORK PERFORMED	
9-19-79	Dumped 250 gallons 15% Mod 202 down annulus Flushed 40 barrels lease water.	
9-24-79	Pumped 5 B.O. - 11 B.W. - 24 hours. B.T. 54 x 11.	
9-27-79	Pumped 5 B.O. - 11 B.W. - 24 hours B.T. Complete Prev. Prod 2 + 11.	

## CITIES SERVICE COMPANY

Daily Well History - Interim Report

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LEASE / UNIT NAME AND WELL NO.		REGION
Rein "A" #5		MCN
COUNTY - PARISH - STATE - PROVINCE	FIELD OR PROSPECT NAME	AFE NUMBER
Ness, Kansas	Schaben	Expense
DATE AND DEPTH	DESCRIPTION OF WORK PERFORMED	
9/3/80	Expense proposals. Acidized Miss. with 1500 gals 15% Ne acid. T.D. 4459'. Miss perforations 4448-54'. Location 1874 FNL - 1874 FWL, Section 29-11S-2W, Ness Co., Kansas. Present prod. - 2 BO - 23 BW - 24 hrs. Move in D.D. Pulled rods, pump and tubing. Ran sand pump. C.O. 2' F.U. to 4455'.	
9/4/80	Ran 1 joint tailpipe below R.T.T.S. on 140 joints 2" EUE tubing, tailpipe at 4453'. R.T.T.S. at 4418'. Spot acid on Mississippi perforations 4448'-4454'. Set R.T.T.S. at 4418 and treat with 1500 gals 15% Ne acid. Pressure 1000# - A.I.R. 18 gals per min. flushed 18 barrels salt water. ISDP 600#, 3 min. - 600#. Shut in. Total 54 barrels load.	
9/5/80	Released R.T.T.S. Pulled tubing up R.T.T.S. Ran back without R.T.T.S. with SN at 4441'. 1 1/2" pump on 176 - 3/4" rods. Commingled production.	
9/8/80	B.O.P.	
9/9/80	Pumped 4 BO - 18 BW - 24 hrs. B.T. 48 x 7 1/2.	
9/10/80	Pumped 2 BO - 22 BW - 24 hrs. B.T. 48 x 7 1/2.	
9/11/80	Pumped 3 BO - 11 BW - 24 hrs. 48 x 7 1/2.	
9/12/80	Pumped 2 BO - 10 BW - 24 hrs. B.T. 48 x 7 1/2.	
9/15/80	Pumped 4 BO - 9 BW - 24 hrs. B.T. 48 x 7 1/2.	
9/17/80	Pumped 4 BO - 8 BW - 24 hrs. B.T. 48 x 7 1/2.	
9/22/80	Pumped 4 BO - 8 BW - 24 hrs. B.T. 48 x 7 1/2.	
9/23/80	Pumped 3 BO - 10 BW - 24 hrs. B.T. 48 x 7 1/2.	
9/25/80	Pumped 2 BO - 3 BW - 24 hrs. 48 x 7 1/2.	
9/26/80	Pumped <del>9 BO - 108 BW</del> - 24 hrs. 64 x 12. Complete. 3 + 8	

## CITIES SERVICE COMPANY

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LEASE / UNIT NAME AND WELL NO.		REGION
Rein "A" #5		MCN
COUNTY - PARISH - STATE - PROVINCE	FIELD OR PROSPECT NAME	AFE NUMBER
Ness County, Ks.		Expense
DATE AND DEPTH	DESCRIPTION OF WORK PERFORMED	
1/31/81	Location 1874 FNL & FWL, Sec. 29-19S-21W, Ness County, Kansas. T.D. 4459'. 4 1/2" casing at 4459'. Perforations 4448-54 Mississippi. Prod. 3 BO - 8 BW. Exp. Proposal. Frac. Mississippi with 9,500 gals water frac 5000#, 20/40 sand. \$9850. MIU. Pulled 3/4" rods, 1 1/2 pump.	
2/1/81	Pulled 141 joints - 2" EUE tubing. Ran 3" sand pump, C.O. 4457-4459' 2'. Will frac today (2/3/81).	
2/3/81	Water Frac Mississippi 4448-4454, with 3000 gals WF-30, 3000 gals WF-30, 1500# 20/40 sand, 3000 gals WF-30, 3500# 20/40 sand. Pressure 2000#-1700#, A.I.R. 8 BPM flushed 84 barrels salt water. I.S.D.P. 1800# 5 min. - 1550#, 15 min. - 1250#. Shut in. Total load 312 barrels.	
2/4/81	Ran 3 1/4 sand pump. Check F.U. C.O. 4456-4457' T.D. Ran 2 SN on 140 joints 2" EUE tubing. SN at 4403'. 1 1/2" pump on 173 - 3/4" rod.	
2/5/81	Start up for test.	
2/6/81	Pumped 0 BO - 80 BW - 24 hrs. B.T. 48 x 7 1/2. 232 barrels load to recover.	
2/7/81	Pumped trace oil - 82 BW - 24 hrs. B.T. 48 x 7 1/2, 150 load.	
2/8/81	N.T.	
2/9/81	N.T.	
2/10/81	Pumped 0 BO - 81 BW - 24 hrs. B.T. 48 x 7 1/2. All load back.	
2/11/81	N.T. Down.	
2/12/81	N.T.	
2/13/81	N.T.	
2/17/81	Pumped 0 BO - 79 BW - 24 hrs. 48 x 7 1/2.	
2/18/81	Pumped 0 BO - 80 BW - 24 hrs. B.T. 48 x 7 1/2, speeded up.	
2/19/81	Pumped 0 BO - 98 BW - 24 hrs. B.T. 48 x 9 1/2.	
2/20/81	N.T.	

SUBMIT ONE COMPLETED COPY TO ERG GENERAL OFFICE - TULSA

## CITIES SERVICE COMPANY

Daily Well History - Interim Report

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LEASE / UNIT NAME AND WELL NO.		REGION
Rein "A" #5		MCN
COUNTY - PARISH - STATE - PROVINCE	FIELD OR PROSPECT NAME	AFE NUMBER
Ness County, Ks.		Expense
DATE AND DEPTH	DESCRIPTION OF WORK PERFORMED	
2/23/81	Pumped 0 B0 - 92 BW - 24 hrs. B.T. 48 x 9 1/2. 0 B0 - 103 BW - 24 hrs. B.T. 48 x 9 1/2.	
2/24/81	No test.	
2/25/81	Pumped 0 B0 - 128 BW - 24 hrs. 48 x 12 1/2. Down 8 hrs. Fuse out on transformer bank.	
2/26/81	Pumped Tr. Oil - 127 BW - 24 hrs. 48 x 12 1/2. B.T.	
2/27/81	Pumped Trace Oil - 127 BW - 24 hrs. 48 x 12 1/2. B.T. Increase to 16 SPM.	
3/2/81	Pumped 3 B0 - 147 BW - 24 hrs. B.T. 48 x 16.	
3/3/81	Pumped 3 B0 - 143 BW - 24 hrs. B.T. 48 x 16.	
3/4/81	Pumped 3 B0 - 140 BW - 24 hrs. B.T. 48 x 16.	
3/5/81	Pumped 3 B0 - 139 BW - 24 hrs. B.T. 48 x 16.	
3/6/81	Pumped 4 B0 - 140 BW - 24 hrs. B.T. 48 x 16.	
3/9/81	Pumped 4 B0 - 140 BW - 24 hrs. B.T. 48 x 16.	
3/10/81	Pumped 5 B0 - 134 BW - 24 hrs. B.T. 48 x 16.	
3/11/81	No test.	
3/12/81	Pumped 5 B0 - 135 BW - 24 hrs. 48 x 16.	
3/13/81	Pumped 5 B0 - 132 BW - 24 hrs. B.T. 48 x 16. <u>Complete.</u> Prev. Prod. 3 + 50.	

MISCELLANEOUS CHRONOLOGICAL REPORT  
REIN "A" #5  
NESS COUNTY, KANSAS

08-09-89

Dumped 300 gal 28% FE. BW 2 BO & 58 BWP.  
AW 2 BO & 76 BWP. TC \$475.00.

cc: Chrono Book  
Well File  
C. W. Horsman

Rein A-P # 5

LEAST WELL NO.: REIN A # B5

Location... 1874' FNL-1874' FWL Sec 29-19-21a County: Ness

Elevation -- G.L.: R.K.B.: 2314

Date Completed: 10-24-67

Initial Potential: 44 bot Trbw - 24

Producing Formation: MISSISSIPPI Top: 4428 (-2114)

Current Production: 3bo + 71bw - 24

Accumulated Production: 29,245bo + 88,587bw

Casing: 8 5/8" @ 498' w/ 275sx 4 1/2" @ 4459' w/ 150sx

Total Depth: 4459 PBTD: 4456 DV Tool:

WORKOVER RECORD: Completion: Perf 4448-54. AZ

w/ 250 gal 7 1/2% IP: 44 bot Trbw - 24

2-14-68 Dump ACID 250 gal MOD-202 + 44bw  
Bwo: 25+0 Awo: 27+0

10-8-68 Dump ACID 250 gal MOD-202 + 46bs  
Bwo: 11+5 Awo: 19+5

6-11-69 Dump ACID 300 gal X6-33 + 40bsw  
Bwo: 14+5 Awo: 8+4

2-17-70 Dump ACID 250 gal MOD-202 + 40bsw  
Bwo: 7+3 Awo: 11+35

6-16-71 Dump ACID 250 gal MOD-202 + 50bsw  
Bwo: 5+4 Awo: 5+5

8-15-72 Dump ACID 250 gal 15% + 45bsw  
Bwo: 4+6 Awo: 10+9

5-15-73 Dump ACID 250 gal 15% + 42bsw  
Bwo: 4+6 Awo: 4+8

11-5-73 Dump ACID 250 gal MOD-202 + 42bs  
Bwo: 4+10 Awo: 4+12

9-27-79 Pump ACID 250 gal MOD-202 + 40b.  
Bwo: 2+11 Awo: 5+11

9-26-80 AZ w/ 1500 gal 15% NE + 18 bsw  
Bwo: 2+23 Awo: 3+8

3-3-81 Frac Miss w/ 6000 gal WF-30 +  
5000 lbs sand.

Bwo: 3+50 Awo: 5+132

4-14-83

8 5/8" @  
498'  
w/ 275sx

4448-54

4 1/2" @,  
4459'  
w/ 150sx

CITIES SERVICE OIL COMPANY

DAILY DRILLING REPORT

Lease Raven Well No. A 5 County West State Pa  
 Contractor Robert J. ... Date 10-11-67  
 Depth at 8 AM 500 4 PM 507 Midnight  
 Driller's 12-8A Richard Simpson 8A-4P ... 4P-12

FORMATION RECORD

FROM	TO	FORMATION	FROM	TO	FORMATION
75	100	Shale			
100	320	Sand & Shale			
320	500	Shale & Shells			
500	507	Shale			

SLOPE TESTS

DEPTH	DEGREES	INSTRUMENT
75	1/2	Tilt

MUD RECORD

TOUR	TIME	CHARACTERISTICS			CONDITIONERS	
		WEIGHT	VIS.-SEC.	WLCC	AMOUNT	KIND
1						
1						
1						
2						
2						
2						
3						
3						
3						

DRILL PIPE TRIPS

DEPTH	REASON

Size Hole 12 1/2 Pump Pressure Midnight Drill Pipe Wt. Midnight  
 Bit No. 1 - Penn 590 15 Size 13 1/4 From To

CASING RECORD

SIZE	WEIGHT	MAKE	MAKE		TALLY	CEMENTED AT	SACKS	KIND CEMENT
			F. COLLAR	SHOE				
<u>12 1/2</u>								

12-8A Remarks: 1100 Lbs. 12 1/2" casing  
1100 Lbs. 13 1/2" casing  
1320 Lbs. 12 1/2" casing

8A-4P Remarks: 790 11 3/4" Shallow  
1100 13 1/2" casing  
4 Pumps - Left wellhead

4P-12 Remarks: 1100 12 1/2" casing  
498 Total Pipe Case - 498' 11 3/4" casing  
11 3/4" casing



**CITIES SERVICE OIL COMPANY  
DAILY DRILLING REPORT**

Lease PEIN Well No. A-5 County NESS State KANSAS

Contractor GARBER-WATSON INC. Date 10-13-67

Depth at 8 AM 1650 4 PM 1790 Midnight 2230

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

**FORMATION RECORD**

FROM	TO	FORMATION	FROM	TO	FORMATION
1405	1544	SHALE			
1544	1576	ANHY			
1576	1650	SHALE WITH LIME STRIKS			
1650	1790	SHALE			
1790	2230	SHALE WITH LIME STRIKS			
2230		ANHY SHALE			

**SLOPE TESTS**

**MUD RECORD**

DEPTH	DEGREES	INSTRUMENT	TOUR	TIME	CHARACTERISTICS			CONDITIONERS	
					WEIGHT	VIS.-SEC.	WLCC	AMOUNT	KIND
1790	1/8	TATED	1		water				
			1						
			1						
<b>DRILL PIPE TRIPS</b>			2						
DEPTH	REASON		2						
1750	BIT		2						
			3						
			3						
			3						

Size Hole 7 7/8 Pump Pressure Midnight Drill Pipe Wt. Midnight

Bit No. 1 Size 7 7/8 From 10 56 To 1790

**CASING RECORD**

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

12-8A Remarks: 11:00 - 6:15 DRLG W/ 1 1/4" HA. SERV. PIG. 6:15 - 7:00 WORK ON PUMP

8A-4P Remarks: 7:00-7:30 work on pump. 7:30-7:30 shut 8:30-8:45 clean screen in pump 8:45-10:30 drill 10:30-10:45 bit 10:45-1:15 drill 1:15-2:00 trip. TATED LIME on stand pipe 2:00 bit & cut 604 in 15 hrs.

4P-12 Remarks: 3 1/2" x 3 1/2" Rep stand pipe volume + Finish top 4 1/2" 11:5 10:11



**DAILY DRILLING REPORT**

Lease W-11 Well No. 1-5 County Wash State Miss

Contractor GARRBERTON JONES INC. Date 10-15-67

Depth at 8 AM 2685 4 PM 2785 Midnight 2915

Driller's 12-8A Wm. W. Wainmaster 8A-4P Joe J. Rones 4P-12 Wm. Wainmaster

**FORMATION RECORD**

FROM	TO	FORMATION	FROM	TO	FORMATION
2565	2685	SHALE			
2685	2785	LIME			
2785	2915	LIME & SHALE			

**SLOPE TESTS**

DEPTH	DEGREES	INSTRUMENT
2565	3/4	TOTCO
2700	3/4	TOTCO

**MUD RECORD**

TOUR	TIME	CHARACTERISTICS			CONDITIONERS	
		WEIGHT	VIS.-SEC.	WLCC	AMOUNT	KIND
1						
1						
1						
2						
2						
2						
3						
3						
3						

**DRILL PIPE TRIPS**

DEPTH	REASON
2565	BLT Trip

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

**CASING RECORD**

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

12-8A Remarks: 11:40 to 12:00 finished drilling down 2915 feet  
12:00 to 12:30 12:30 to 1:00 1:00 to 1:30 1:30 to 2:00

8A-4P Remarks: 7:00-7:20 drill 7:20-7:45 down pipe & stand pipe 7:45-9:45 drill 9:45  
12:00 trip bit & set 1 1/2" bit 6 cut 160' in 8 1/4" dia 12:00-3:00 bit

4P-12 Remarks: 300 talk 12:00 DRLG w/ 1/4" dia. RIG

**CITIES SERVICE OIL COMPANY  
DAILY DRILLING REPORT**

Lease REIN Well No. A-5 County NESS State KANSAS  
 Contractor CARRIGAT & JONES INC. Date 10-16-67  
 Depth at 8 AM 2970 4 PM \_\_\_\_\_ Midnight 3195  
 Driller's 12-8A RICHARD K. SIMPSON 8A-4P \_\_\_\_\_ 4P-12 John Williams

**FORMATION RECORD**

FROM	TO	FORMATION	FROM	TO	FORMATION
2915	2970	LIME			
3060	3195	Limestone			

**SLOPE TESTS**

**MUD RECORD**

DEPTH	DEGREES	INSTRUMENT	TOUR	TIME	CHARACTERISTICS			CONDITIONERS	
					WEIGHT	VIS.-SEC.	WLCC	AMOUNT	KIND
			1						
			1						
			1						
<b>DRILL PIPE TRIPS</b>			2						
DEPTH	REASON		2						
2970	BIT		2						
			3	3:15				40 lbs	D.I.
			3	7:00				8-SX	SULF
			3					10 lbs	D.I.

Size Hole 7 7/8 Pump Pressure Midnight \_\_\_\_\_ Drill Pipe Wt. Midnight \_\_\_\_\_  
 Bit No. 7 Size 7 7/8 From \_\_\_\_\_ To \_\_\_\_\_

**CASING RECORD**

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

12-8A Remarks: 11:00 - 2:15 DRILL W/ 1/4 IN. RIG 2:15 - 3:15 REPAIR 2ND CH.  
3:15 - 4:45 DRILL 4:45 - 5:30 REPAIR 2ND CHAIN 5:30 - 5:45 DRILL  
5:45 - 7:00 2ND PIPE VALVE STUDS BUSTED - PULL OUT OF HOLES W/ BIT # 7

8A-4P Remarks: 7:00 - 10:15 wait for fluid with no start like 5:00 10:15 - 11:15 pump down  
W/ BIT 11:15 - 12:30 w/ 1 1/2" size - 100' of pipe 1:00 - 3:00 pull.

4P-12 Remarks: 3:00 to 11:00



**CITIES SERVICE OIL COMPANY  
DAILY DRILLING REPORT**

Lease REIN Well No. A-5 County NESS State KANSAS

Contractor GABBERT & JONES INC. Date 10-18-67  
 Depth at 8 AM 3795 4 PM 3940 Midnight 4025  
 Driller's 12-8A RICHARD K. SIMPSON 8A-4P Carl J. Roman 4P-12 Wm. W. Wainwright

**FORMATION RECORD**

FROM	TO	FORMATION	FROM	TO	FORMATION
3660	3795	SANDY LIME & SHALE			
3795	4025	Shale & sand			

**SLOPE TESTS**

DEPTH	DEGREES	INSTRUMENT
4010	14	

**MUD RECORD**

TOUR	TIME	CHARACTERISTICS			CONDITIONERS	
		WEIGHT	VIS.-SEC.	WLCC	AMOUNT	KIND
1						
1						
1						
<b>DRILL PIPE TRIPS</b>						
2					3	2 1/2 lbs
DEPTH	REASON					
3694	BIT #9					
4010	BIT #10				3	4 1/2 lbs

Size Hole 7 7/8 Pump Pressure Midnight \_\_\_\_\_ Drill Pipe Wt. Midnight \_\_\_\_\_  
 Bit No. 9-10 Size 7 7/8 " From 3307 - 4010 To 3694 - 4025

**CASING RECORD**

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

12-8A Remarks: 11:00 - 1:00 DRLG W/ 1/4" No. 100 R. 2 1:00 - 3:45 TRIP FOR BIT  
3:45 - 7:00 DRLG

8A-4P Remarks: 7:00 - 7:15 Luv Rig 7:15 - 11:00 drill 11:00 - 11:15 JLT 11:15  
300 2-1/2"

4P-12 Remarks: 3:00 - 7:15 drill with 5" S&W Rig 7:15 to 7:25 stop  
7:25 to 7:35 14 1/2" bit 314 feet 7:35 to 11:00 11:00  
11:00 3-1/2"

**CITIES SERVICE OIL COMPANY  
DAILY DRILLING REPORT**

Lease REIN Well No. A-5 County NESS State KANSAS  
 Contractor GABBERT and JONES INC. Date 10-19-67  
 Depth at 8 AM 4125 4 PM 4205 Midnight 4275  
 Driller's 12-8A RICHARD K. SIMPSON 8A-4P Joe G. Thomas 4P-12 Wm Newman

**FORMATION RECORD**

FROM	TO	FORMATION	FROM	TO	FORMATION
4025	4135	LIME W/SHALE BRKLY			
4125	4205	shale + Limestone			
4205	4275	Limestone + Shale			

**SLOPE TESTS**

**MUD RECORD**

DEPTH	DEGREES	INSTRUMENT	TOUR	TIME	CHARACTERISTICS			CONDITIONERS	
					WEIGHT	VIS.-SEC.	WLCC	AMOUNT	KIND
			1					105v	SALT MUD
			1	5:00	9.8	29		25v	GEL
			1	6:30	9.7	30		85v	MULLS
<b>DRILL PIPE TRIPS</b>			2	10:00	10-	34	✓	5 salt mud	100m D.
DEPTH	REASON		2	12:00	10-	35	✓	1 salt mud	100m D.
4223	BIT		2	2:00	10-	34	40	35 salt mud	100m D.
			3	4:10	9.7	35		3	Starch
			3	8:10	9.6	37		5	Salt Sol
			3	10:10	9.7	35		1	AN & 200m D.

Size Hole 7 7/8 Pump Pressure Midnight \_\_\_\_\_ Drill Pipe Wt. Midnight \_\_\_\_\_  
 Bit No. 11 Size 7 7/8 From 4010 To 4223

**CASING RECORD**

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

12-8A Remarks: 11:00 - 2:00 DRILL W/1/4 IN. SERVING. 2:00 - 2:15 JET & CLEAN #2  
 2:15 - 4:15 DRILL 4:15 - 4:30 JET & CLEAN COLLAR & BIT  
 4:30 - 7:20 DRILL

8A-4P Remarks: 7:00 - 7:15 Run Rig 7:15 - 2:00 drill

4P-12 Remarks: 3:15 to 3:25 JET 3:25 to 7:00 SET PIPE TRIP 4223  
 7:15 RUN 10 3/4 IN. SET 213 RUN 7:25 to 11:00 JET

**CITIES SERVICE OIL COMPANY  
DAILY DRILLING REPORT**

Lease REIN Well No. A-5 County NESS State KANSAS

Contractor GABBERT AND JONES INC. Date 10-20-67

Depth at 8 AM 4370 4 PM 4445 Midnight

Driller's 12-8A RICHARD K. SIMPSON 8A-4P J. G. [unclear] 4P-12

**FORMATION RECORD**

FROM	TO	FORMATION	FROM	TO	FORMATION
4275	4370	LIME			
4370	4445	limst + shale + [unclear]			
4445	4449				

**SLOPE TESTS**

DEPTH	DEGREES	INSTRUMENT

**MUD RECORD**

TOUR	TIME	CHARACTERISTICS			CONDITIONERS	
		WEIGHT	VIS.-SEC.	WLCC	AMOUNT	KIND
1	2:30	9.7	42		10sx	SALT MUD
1	4:30	9.8	40		2sx	GEL - 3sx My-Lo-5
1	5:45	9.8	42		3sx	HULLS
<b>DRILL PIPE TRIPS</b>						
DEPTH	REASON					
2	11:00	10-	40	12	10	cuttings - 2 Hef
2	11:20	10-	42			2 sticks
2					4	Hulls
3	5:00	9.8	40		15	SALT
3	5:00	9.8	45			20
3						

Size Hole 7 7/8 Pump Pressure Midnight Drill Pipe Wt. Midnight  
Bit No. 12 Size 7 7/8 From To

**CASING RECORD**

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

12-8A Remarks: 11:00-6:00 DRUG w/1/4 in. SERV P.G 6:00-7:00 CFS @ 42'

8A-4P Remarks: 7:00-7:45 CFS 7:45-1:30 [unclear] 1:30-2:00 CFS

4P-12 Remarks: 3:00 to 4:45 CFS 4:45-4:55 [unclear] 4:55-5:11 [unclear]

**CITIES SERVICE OIL COMPANY  
DAILY DRILLING REPORT**

Lease REIN Well No. A-5 County NESS State KANSAS  
 Contractor GABBERT & JONES INC. Date 10-21-67  
 Depth at 8 AM 4449 4 PM Midnight  
 Driller's 12-8A RICHARD K. SIMPSON 8A-4P 4P-12

**FORMATION RECORD**

FROM	TO	FORMATION	FROM	TO	FORMATION
4449	4459	Lime-shale chert			

**SLOPE TESTS**

**MUD RECORD**

DEPTH	DEGREES	INSTRUMENT	TOUR	TIME	CHARACTERISTICS			CONDITIONERS	
					WEIGHT	VIS.-SEC.	WLCC	AMOUNT	KIND
			1						
			1						
			1	2:30	10.1	45			
<b>DRILL PIPE TRIPS</b>			2	10:00	10.1	42			
DEPTH	REASON		2						
			2						
			3	7 <sup>00</sup>	10.1	44		3	starch
			3	6 <sup>00</sup>	10.1	45			
			3	10 <sup>00</sup>	10.1	44			

Size Hole 7 7/8 Pump Pressure Midnight Drill Pipe Wt. Midnight  
 Bit No. 12 Size 7 7/8 From To

**CASING RECORD**

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

12-8A Remarks: 11:00-12:15 FINISH COMING OUT & LAY DOWN TOOL  
12:15-2:15 GO IN HOLE W/ BIT TO COND. 2:15-3:45 CIRC  
3:45-7:00 COME OUT PICK UP TOOL GOING IN HOLE

8A-4P Remarks: 9:00-9:30 Finish going in hole packer failed pulled back out of hole with  
9:30-1:00 break tool down & make up again & back in hole with  
tool & 2 packers. Tool down 30 min. closed 30 min. after 30 min. closed  
30 min. key seat below & did flush tool. Testing 4400 to  
4449.

4P-12 Remarks: 3:00-6:50 DST #2 4399-4449-50'- Jk Blow 30m  
Pool 75' mud 1 cips 789- Fip 734- 1Fp 55- FFp 83.  
2:50-3:00 Circ 4400 7:20 to 8:25 8<sup>25</sup> to 10<sup>00</sup> Circ 4459 10<sup>25</sup>  
11<sup>00</sup> Pull out for DST #2

**CITIES SERVICE OIL COMPANY  
DAILY DRILLING REPORT**

Lease **REIN** Well No. **A-5** County **NESS** State **KANSAS**  
 Contractor **GABBERT & JONES INC** Date **10-22-67**  
 Depth at **8 AM 4459** **4 PM** Midnight  
 Driller's **12-8A RICHARD K. SIMPSON** **8A-4P G. J. JONES** **4P-12**

**FORMATION RECORD**

FROM	TO	FORMATION	FROM	TO	FORMATION
4459					

**SLOPE TESTS**

**MUD RECORD**

DEPTH	DEGREES	INSTRUMENT	TOUR	TIME	CHARACTERISTICS			CONDITIONERS	
					WEIGHT	VIS.-SEC.	WLCC	AMOUNT	KIND
			1					6.5X	SALT MUD
			1					3.5X	STARCH
			1	6:15	10-	43	12.8	1.5X	G.F.L.
<b>DRILL PIPE TRIPS</b>			2	9:30	10	65	9.6	14	alt mud
DEPTH	REASON		2					5	starch
			2					1	press
			3	8:10		55	9.9		
4459			3	7:15		54	9.9		
			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: **11:00-4:15 FINISH COMING OUT FOR DST#2 PICK UP TOOL GO IN HOLE - LACKED 25' GOING TO BOTTOM - COME OUT LAY DOWN TOOL 4:15-6:15 GO IN HOLE W/BIT & WASH 25' TO BOTTOM 6:45-7:00 CIRC. (Comm. Haze MUD MUD -**

8A-4P Remarks: **7:00-8:45 Circ & mix mud 8:45-100 circ to condition hole 100-200 Circ for DST #2**

4P-12 Remarks: **300-8:00 DST#2 - 4442-4459-11' section - (No new failures) 8:00-10<sup>00</sup> circ. cond. T. Hole. 10<sup>00</sup> to 11<sup>00</sup> start out for DST**

CITIES SERVICE OIL COMPANY  
DAILY DRILLING REPORT

Lease REIN Well No. A-5 County NESS State KANSAS

Contractor GABBERT & JONES INC. Date 10-23-67  
 Depth at 8 AM 4459 4 PM Midnight  
 Driller's 12-8A RICHARD K. SIMPSON 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	1:00	9.8	48	11.6		
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: 11:00-1:00 FINISH COMING OUT PICKUP TOOL GO IN HOLE FOR DST#2  
 1:00-1:30 FFC ( ) 1:30-2:00 ISI ( ) 2:00-3:00 FFC ( ) 3:00-3:30 FSI ( )  
 3:30-4:30 PULL TO FLUID 4:30-7:00 W/D DAYLIGHT

4452-4459 DST#2

8A-4P Remarks: 7:00-7:45 wait till day light. 7:45-11:45 come out with 17  
 stems oil log down tool & go back in hole with rig to  
 condition log for log 11:45-2:15 circ + wait for loggers.  
 2:15-3:00 out of hole to log.  
 see 560' gain in pipe @ 8:25 face oil - 60' muddy oil  
 80' oil out + mud. 110' water mud.  
 1 exp 935-1FP 37- FFP 376- Fcip 770

4P-12 Remarks: 3:00 to 4:00 out for log 4:00 to 10:00 log 10:00 to 11:00  
 Start in hole with bit

**CITIES SERVICE OIL COMPANY  
DAILY DRILLING REPORT**

Lease **REIN** Well No. **A-5** County **NESS - CO** State **KANSAS**

Contractor **PERFECT WELL SERVICE** Date **OCT. 26 1967**  
 Depth at **7:30AM** **430PM** **TRAVEL -** Midnight  
 Driller's **12-8A** **8A-4P** **AND RIGG** **4P-12P** **TIME**

**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:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

8A-4P Remarks: **DRIVE RIGG TO LOCATION RIGG OVER 2 1/2**  
**TH - 5' - 4 1/4" - TO SUNNY PLACE**  
**SHE - JOYNA OPER - 5R + 2 MEN**  
**JOHN O'KEEFE**

4P-12 Remarks:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

- 3-7-84 Dump 250 bbl 15% MOD 202 flush w 40 bbl s.w.
- 10-29-85 - Dump 300 gal 28% FE + 5% checkersol - 40 bbl flush
- 10-30-85 - Pump change 2x1<sup>1</sup>/<sub>2</sub>x12 ran in 2x1<sup>1</sup>/<sub>2</sub>x14
- 12-10-85 - Parted - could not pull pump - had to strip well
- 12-11-85 - pulled tbq. - found split in 125 jt. - sand pumped well clean FEs & paraffin
- 12-12-85 - Ran tbq 4 rods P140P
- 12-27-85 - Pump hung up or parted. 3/4 body break 2 deep
- 1-9-85 - Pump stuck - had to strip out well.
- 1-13-85 - Ran sand pump - cleaned out 7' FEs (perfs were plugged) kicked out 36 badly pitted rods. ran tbq & landed
- 1-14-85 - dumped 500 gal 15% FE down tbq - flush tbq & annulus w 40 bbl s.w. ran pump 4 rods P140P
- 2-24-86 - Quit pumping - pulled pump - sealed up - pulled tbq - found split in 139" jt. 2' tbq. Ran back in P140P
- 2-26-86 - LLL at riser
- 3-11-86 - Treated for scale
- 12-2-87 - Dump 300 gal 28% FE + 2% Checkersol - flush w 40 bbl
- 4-28-88 - Pulled rods @ pump - pump full of fluid - pull tbq for leak
- 4-29-88 - Found hole in 135 jt 2<sup>7</sup>/<sub>8</sub> tbq - replaced 1 more bad jt. replaced 10 - 3/4 rods - Ran in P140P.
- 7-19-89 - Dump 300 gal 28% FE + 5% checkersol - 40 bbl flush
- 7-9-90 - Quit pumping - pull rods @ pump - hole in bbl - replace 2x1<sup>1</sup>/<sub>2</sub>x14 changed out 100 3/4 rods from Doman AC
- 7-25-90 - Parted
- 1-15-91 - fished part 3/4 body break 112 deep - layed out - Ran 80 - 3/4 from Dumen CA, 91 - 3/4 & 4 - 7/8 from Pondsack
- 5-6-91 - Pump change 2x1<sup>1</sup>/<sub>2</sub>x14
- 5-10-91 - Tbg leak 136" jt
- 1-3-92 - parted 1st 3/4 body
- 1-16-92 - rods parted Tied well