

CITIES SERVICE OIL COMPANY DAILY DRILLING REPORT

Lease Mossy - D - Well No. 1 County Wes State Miss
 Contractor Keating Inc. Date 7-2-54
 Depth at 8 AM 4 PM Midnight 2725
 Driller's 12-8A 8A-4P Flauders 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:

8A-4P Remarks: 1/2" collar 2' 0" 1.7

4P-12 Remarks:

**CITIES SERVICE OIL COMPANY
DAILY DRILLING REPORT**

Lease MOORE - D Well No. 1 County MOORE State KANSAS
 Contractor SOLO DRILLING Date 7-12-64
 Depth at 8 AM 505 4 PM 505 Midnight 1325
 Driller's 12-8A SOLO 8A-4P SOLO 4P-12 SOLO

FORMATION RECORD

FROM	TO	FORMATION	FROM	TO	FORMATION
200	500	Shale	505	610	Blue Sand
500	505	Shale	610	925	Red Sand
			925	1160	D. Sand
			1160	1325	Shale

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. #1 2-1/2" Size 4 1/2" From 505 To 1325

CASING RECORD

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

12-8A Remarks: Just below 510 do trip 10 min. Pull out - 75 ft. -
Run 17 ft. of 2 1/2" pipe. 501 ft. to 510 ft. - 5 min. Use
505 ft. pipe. 6:45. 7:00 - 7:15 - 7:30 - 7:45 AM.

8A-4P Remarks: W.D.C. NIPPLE UP

4P-12 Remarks: Run 17 ft. of 2 1/2" pipe. 501 ft. to 510 ft. - 5 min. Use

**CITIES SERVICE OIL COMPANY
DAILY DRILLING REPORT**

Lease Moore - D Well No. 1 County Ness State KANS

Contractor Peel Bros. Inc. Date 9/9/64
 Depth at 8 AM 4 PM 2985 Midnight 3110
 Driller's 12-8A Blevins 8A-4P Flanders 4P-12 Hicks

FORMATION RECORD

FROM	TO	FORMATION	FROM	TO	FORMATION
2725	2830	Lime & shale STKs.			
2830	2985	Limed shale			
2985		Shale & Lime			

SLOPE TESTS

MUD RECORD

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

DRILL PIPE TRIPS

DEPTH	REASON	TOUR	TIME
2780	FOR BIT #4	2	
3015	FOR BIT #5	3	

Size Hole 7 5/8 Pump Pressure Midnight Drill Pipe Wt. Midnight
 Bit No. 7 2 5 4 6 Size 7 5/8 From 2573 - 2730 To (2750 - 3015)

CASING RECORD

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

12-8A Remarks: See Rig Pulled bit #4 @ 2780 - made 207 ft. in 13 hrs.
O.B. w/ #5 @ 9:10 A.M.

8A-4P Remarks: OK R.P. Set both pits

4P-12 Remarks: Pulled bit #5 - 3015' cut 235 in 11 hrs.
Set #2 pit.

**CITIES SERVICE OIL COMPANY
DAILY DRILLING REPORT**

Lease MOORE-D Well No. #1 County Ness State KANS
 Contractor Peel Bros. Inc Date 9/10/64
 Depth at 8 AM 3305 4 PM 3340 Midnight 3535
 Driller's 12-8A Blevins 8A-4P Flandets 4P-12 Hicks

FORMATION RECORD

FROM	TO	FORMATION	FROM	TO	FORMATION
<u>3120</u>	<u>3180</u>	<u>Shale & Lime</u>			
<u>3180</u>	<u>3225</u>	<u>Chalky</u>	<u>3340</u>		<u>Shale & Lime</u>
<u>3225</u>	<u>3305</u>	<u>Lime & shale</u>			
<u>3305</u>	<u>3340</u>	<u>Limestone</u>			

SLOPE TESTS

MUD RECORD

DEPTH	DEGREES	INSTRUMENT	TOUR	TIME	CHARACTERISTICS			CONDITIONERS	
					WEIGHT	VIS.-SEC.	WLCC	AMOUNT	KIND
			1		<u>9.4</u>	<u>37</u>		<u>40</u>	<u>Starch</u>
			1					<u>100#</u>	<u>Praser</u>
			1						
DRILL PIPE TRIPS			2					<u>20</u>	<u>Hulls</u>
DEPTH	REASON		2					<u>30</u>	<u>Tegeel</u>
			2					<u>3</u>	<u>Fluorol</u>
			3						
			3						
			3						

Size Hole 7 5/8 Pump Pressure Midnight Drill Pipe Wt. Midnight
 Bit No. 6-7 Size 7 7/8 From 3015 To 3335

CASING RECORD

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

12-8A Remarks: Sep. Rig

8A-4P Remarks: OK Rig. Lost Circ. @ 3335. Pulled up in surface pipe. Mix mud & hulls. Got returns back starting hole 31.7.25. Breaking Circ 500y. 10.5 stands. Lossing Mud. D.B. @ 2.55 PM

4P-12 Remarks: Sep. Rig. Mix 40 lbs. Starch. 100# Praser.

**CITIES SERVICE OIL COMPANY
DAILY DRILLING REPORT**

Lease MOORE - D Well No. 1 County Ness State KANS
 Contractor Peel Bros. Inc Date 9/11/67
 Depth at 8 AM 3619 4 PM 3765 Midnight 3853
 Driller's 12-8A Blevins 8A-4P Flanders 4P-12 Hicks

FORMATION RECORD

FROM	TO	FORMATION	FROM	TO	FORMATION
3535	3619	Lime & shale			
3619	3765	Lime & shale			
3765	3853	Lime & shale			

SLOPE TESTS

MUD RECORD

DEPTH	DEGREES	INSTRUMENT	TOUR	TIME	CHARACTERISTICS			CONDITIONERS	
					WEIGHT	VIS.-SEC.	WLCC	AMOUNT	KIND
			1	12:00	9.7	41		3 sks	Impermix
			1						
			1						
DRILL PIPE TRIPS			2	7:50	9.7	37		10	Zeezel
DEPTH	REASON		2	10:30	9.8	38	10.	5	Impermix
3600	Trip for bit #1		2	2:00	9.8	39		100 =	Pres.
			3	5:45	9.7	37		10	Zeezel
			3	8:30	9.6	38			
			3	10:15	9.8	42			

Size Hole 7 5/8 Pump Pressure Midnight _____ Drill Pipe Wt. Midnight _____
 Bit No. 7 2 8 Size 7 5/8 From 3335 3600 To _____

CASING RECORD

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

12-8A Remarks: See Rig - Pulled bit #1 @ 3600 - cut 265 id 1 9/16 hrs.
Strip Pipe out - OK w/ #2 @ 6:10 AM.

Pipe Strip 3612.57
Board 3612.01
.56 No Corr.

8A-4P Remarks: OK Rig 1/2 hr To Mix Mud

1/2 hr Co Time M.D.P.

4P-12 Remarks: See Rig. Circ 35 mins To mix mud w/ DP

CITIES SERVICE OIL COMPANY
DAILY DRILLING REPORT

Lease MOORE-D Well No. #1 County Ness State KANS
 Contractor Peel Bros. Inc Date 9/12/64
 Depth at 8 AM 3913 4 PM 3979 Midnight 4027
 Driller's 12-8A Blevins 8A-4P Flanderts 4P-12 Hicks

FORMATION RECORD

FROM	TO	FORMATION	FROM	TO	FORMATION
3853	3913	Lime shale			
3913	3979	Lime			
3979	4027	Lime			

SLOPE TESTS

MUD RECORD

DEPTH	DEGREES	INSTRUMENT	TOUR	TIME	CHARACTERISTICS			CONDITIONERS	
					WEIGHT	VIS.-SEC.	WLCC	AMOUNT	KIND
			1	11:00	9.7	42			
			1						
			1	10:00	9.7	39			
DRILL PIPE TRIPS			2	8:00	9.8	38		8	Imperhex
DEPTH	REASON		2		9.8	38	17.8	6	Zeezel
3858	Trip for bit #8		2		9.8	43		3	Hulls
			3	4:00	9.8*	43			
3993	TRIP for Bit #9		3						
			3	10:00	9.9	42			

Size Hole 7 5/8 Pump Pressure Midnight _____ Drill Pipe Wt. Midnight _____
 Bit No. 8 #9 & 10 Size 7 3/4 From 3600 - 3953 To 3853 -

CASING RECORD

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

12-8A Remarks: Circ 1 hr @ 3858 for Trip - circ 1/2 hr on Bottom - Drilling @ 3:40 AM.

1 1/2 hr Co Time M.D.P.

8A-4P Remarks: CHRIS Circ 35 MINS To MIX MUD.

1/2 hr Co Time M.D.P.

4P-12 Remarks: Circ 1 hr @ 3993 for Trip Circ 1/2 hr on Bottom Delg. w/ Bit # 10 only @ 8:30 PM

9 cut 135 in 12 hrs

CITIES SERVICE OIL COMPANY DAILY DRILLING REPORT

Lease Moore - D Well No. #1 County Ness State Kans

Contractor Peel Bros Inc Date 9/13/64

Depth at 8 AM 4137 4 PM 4170 Midnight 4244

Driller's 12-8A Blevins 8A-4P Flanders 4P-12 Hicks

FORMATION RECORD

FROM	TO	FORMATION	FROM	TO	FORMATION
4027	4137	Lime			
4137	4170	Lime			
4170		Lime			

SLOPE TESTS

DEPTH	DEGREES	INSTRUMENT

MUD RECORD

TOUR	TIME	CHARACTERISTICS			CONDITIONERS	
		WEIGHT	VIS.-SEC.	WLCC	AMOUNT	KIND
1	17:00	9.8	41			
1						
1	6:00	10	40			
2	7:30	10	40			8 Impermex
2	10:30	9.9	39	12.8		10 Zeagel
2						
3	5:15	9.6	43			10 Zeagel
3	7:00	9.9	42			8 Balls
3	11:00	9.8	42			

DRILL PIPE TRIPS

DEPTH	REASON
4170	Bit

Size Hole 7 7/8 Pump Pressure Midnight 700* Drill Pipe Wt. Midnight 83000

Bit No. 10 Size 7 7/8 From 3993 To

CASING RECORD

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

12-8A Remarks: See - Rig

8A-4P Remarks: CHK Rig. Pipe 1 hr @ 4137 To Mix Mud
C.F.S. & Trip 1 hr @ 4170 Circ 5 hr After Trip

2 hrs Co Time w/DP

4P-12 Remarks: See Rig Lossing fluid @ 4180

3A hr mixing mud + LCM.

3A hr Co Time w/DP

**CITIES SERVICE OIL COMPANY
DAILY DRILLING REPORT**

Lease Moore - D Well No. 1 County Ness State KANS
 Contractor Peel Bros. Inc Date 9/14/64
 Depth at 8 AM 4317 4 PM 4354 Midnight 4365
 Driller's 12-8A Blevins 8A-4P Flanders 4P-12 Hicks

FORMATION RECORD

FROM	TO	FORMATION	FROM	TO	FORMATION
4247	4270	Lime			
4270	4285	Shale			
4285	4317	Lime & shale			
4317	4354	Lime			

SLOPE TESTS

DEPTH	DEGREES	INSTRUMENT

MUD RECORD

TOUR	TIME	CHARACTERISTICS			CONDITIONERS	
		WEIGHT	VIS.-SEC.	WLCC	AMOUNT	KIND
1	12:00	9.1	42		60kg	Starch
1	3:00	9.1	42		3	Zenegal
1	6:00	9.1	39			
2		9.8	40		4	Impermex
2		9.8	44	7.2	10	Hevagel
2	2:00	9.8	44		2	Zenegal
3						
3	5:45	9.9	42			
3	6:25	9.9	42			

DRILL PIPE TRIPS

DEPTH	REASON
4327	4:17

Size Hole 7 7/8 Pump Pressure Midnight 750 Drill Pipe Wt. Midnight
 Bit No. 11 - 12 Size 7 7/8 From 4170 4327 To 4327

CASING RECORD

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

12-8A Remarks: See Rpt. CES 134 hr @ 4296 - Circ. @ 4310 - 1/2 hr To mix mud.

2 1/4 hrs. Co Time w/ pipe

8A-4P Remarks: 1 P.S. @ 4327 = Trip of pulled Bit (OK Rpt. T: after Breaks in Hole 2/3 @ 11:25 AM) Circ @ 4354 @ 11:25 AM

2 hrs Co Time Trip D.P.

4P-12 Remarks: Circ for Sols. 4354 - 3:00 - 3:37
Circ for Sols. 4365 - 4:00 - 7:00

Pulled Bit & Ran Case Bbl. o.B. w/ Case Bbl. 10:25
Circ before casing Thus Co. Time w/ D.P.

CITIES SERVICE OIL COMPANY DAILY DRILLING REPORT

Lease 1100A-D Well No. 1 County NESS State KANS
 Contractor Pool Bros. Inc. Date 9/15/64
 Depth at 8 AM 4 PM Midnight
 Driller's 12-8A Blevins 8A-4P Flanders 4P-12 Hicks

FORMATION RECORD

FROM	TO	FORMATION	FROM	TO	FORMATION
4365	4383	Core #1 - Miss.			
4365	4383	Reading Core #1			
4383	4387	Core #2 Miss.			

SLOPE TESTS

MUD RECORD

DEPTH	DEGREE	INSTRUMENT	TOUR	TIME	CHARACTERISTICS			CONDITIONERS	
					WEIGHT	VIS.-SEC.	WLCC	AMOUNT	KIND
			1	12:00	9%	42			
			1	3:00	9%	43			
			1						
DRILL PIPE TRIPS			2					8	Supermax
DEPTH	REASON		2					8	Tapcof
4383	Core #1		2						
4383	DS #1		3						
			3						
			3						

Size Hole Pump Pressure Midnight Drill Pipe Wt. Midnight
 Bit No. Core Head 6 1/8 Size From To

CASING RECORD

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

12-8A Remarks: 11:00 - 11:15 circ To clean hole - 11:15 - 3:50 Core #1 - Full Recovery - Run 44 stds. back in Hole To Ream.

Co. Time 8 hrs. w/ pipe

8A-4P Remarks: Drill pipe landed in Hole To Ream. Core Hole from same Core #1 for DST #1 Pulled out of Hole for DST #1

Slips Co Time 2 hrs DP

Weak blow thru out test

4P-12 Remarks: DST #1 4366 - 83. 10.8 mins. F.S. 37 mins Tool open 1 1/2 h F.S. 30 mins. Hilled Tool - Rec 80' oily mud

O.B. w/ Core Bbl. Circ 1/2 hr. before Coring. O.B. Coring 10:00 pm.

3 hrs. Co. Time w/ D.P.

**CITIES SERVICE OIL COMPANY
DAILY DRILLING REPORT**

Lease MOORE - D Well No. 1 County Ness State KANS

Contractor Peel Bros. Inc Date 9/16/64

Depth at 8 AM 4 PM Midnight

Driller's 12-8A Blevins 8A-4P Flanders 4P-12 Hicks

FORMATION RECORD

FROM	TO	FORMATION	FROM	TO	FORMATION
4387	4398	COAL #2			

SLOPE TESTS

MUD RECORD

DEPTH	DEGREES	INSTRUMENT	TOUR	TIME	CHARACTERISTICS			CONDITIONERS	
					WEIGHT	VIS.-SEC.	WLCC	AMOUNT	KIND
			1						
			1						
			1						
DRILL PIPE TRIPS			2		9.7	43	7.6	10	Zincorne
DEPTH	REASON		2					10	Zengel
4398	Trip for Core #2		2						
			3					8	Zengel
			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: Coring - Pulled Core #2 @ 4398 - OB Reaming Core hole @ 6:14

8A-4P Remarks: Finished Reaming Core Hole Circ 1 1/2 Min Mud & D.S.T. # 2 @ 12:25 PM. Picked up Tool @ 12:25 PM.

8 hrs 00 mins for DP

D.S.T. # 2 4383-98 1/2 - 1-1/2 Rec. 750' Slightly muddy Gassy oil - 100' oily mud. 151P 1354 IF 26 IF 70 FSIP 1301

4P-12 Remarks: 1 HP 2282 FHP 2282

Waiting for order of Core Log 6:30 to 8:45 PM.

Picked up Core hole ONB Circ & m. m. m. mud 10:50

**CITIES SERVICE OIL COMPANY
DAILY DRILLING REPORT**

Lease Moore Well No. 1-D County Ness State KANS

Contractor Peel Bros. Inc Date 9/17/64
 Depth at 8 AM 4410 4 PM Midnight
 Driller's 12-8A Blevins 8A-4P Flanders 4P-12 Hicks

FORMATION RECORD

FROM	TO	FORMATION	FROM	TO	FORMATION
4398	4410	COY. #3			
4398	4410	Room Core Hole			

SLOPE TESTS

MUD RECORD

DEPTH	DEGREES	INSTRUMENT	TOUR	TIME	CHARACTERISTICS			CONDITIONERS	
					WEIGHT	VIS.-SEC.	WLCC	AMOUNT	KIND
			1	1:30	9.1	44		4	Zeo Gel
			1						
			1						
DRILL PIPE TRIPS			2		9.6	45	9.0	8	Zeo Gel
DEPTH	REASON		2					10	Imperme
4410	Core BBL #3		2						
4410	DST #3		3						
4410	Log		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: Mit 4 SKS. Zeo Gel - 11:00 - 12:10 - 12:10 - 2:50 Core #3
 Pulled Core BBL & Back To bottom w/ bit to Room
 12' Core Hole

8A-4P Remarks: Room Core Hole J-7 Hole in Pit Mix Mud 1 1/2 hr. For
 D.S.T. #3 Pulled out of Hole For DST Picked up R.T. 12:15
 12:28 PM 2:00 PM 10 MIN Shut in 1/2 hr Open 1/2 hr Shut in 1/2 hr

8 hrs Co Time w/D.P.

4P-12 Remarks: Finish DST #3 Rec. 180' Gas 210' Slightly muddy
 Gassy oil 45' oil cut mud 15' muddy water 131P/1345#
 FSIP. 1310# 15.34# FF 122# Whit on Order 5 AM To 6:30 PM
 In Hole w/ Bit Circ & Cond Hole For Log. O.B. Circ 8:15 -
 Circ. 8:15 - 9:45. Out of Hole Pulling Bit to Log.

6 1/2 hrs Co Time w/D.P. 1 1/2 hr w/o D.P.

**CITIES SERVICE OIL COMPANY
DAILY DRILLING REPORT**

Lease MOORE-D Well No. 1 County NESS State KAN.
 Contractor Paul Bros. Inc Date 7/18/64
 Depth at 8 AM Plains 4 PM Flowing Midnight
 Driller's 12-8A Plains 8A-4P Flowing 4P-12 Hicks

FORMATION RECORD

FROM	TO	FORMATION	FROM	TO	FORMATION
<u>4410</u>		<u>T.D.</u>			

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						
<u>4410</u>	<u>Trip for log</u>		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: 11:00-11:25 Finish Trip for log by Schlumberger -
11:25-4:50 Logging - 4:50-5:30 wait on orders
5:30-... Trip to bottom ... Mud Pipe

6 1/2 hrs. Co. Time w/o pipe
1 1/2 hrs. " " " "

8A-4P Remarks: ... 136 ft. - 2:00

2 hrs. Co. Time w/o pipe

4P-12 Remarks: _____

**CITIES SERVICE OIL COMPANY
DAILY DRILLING REPORT**

Lease 111007 D Well No. 13600 County Ness State KANS
 Contractor Bill Leys Oil Co Date 9-23-64
 Depth at 8 AM 4 PM Midnight
 Driller's 12-8A [Signature] 8A-4P [Signature] 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: SWAB UP TO 4298
PERF. DRILL TO 4298
Run up 12-8A to 4288-94
Set 3 shots to 4298
Set 3 shots to 4298

8A-4P Remarks: 10-11-30.15
11-12-30.18
12-13-30.39

4P-12 Remarks:

1 SET 4 1/2 SWAB UPS OIL STATE

**CITIES SERVICE OIL COMPANY
DAILY DRILLING REPORT**

Lease 0M 0976 Q Well No. 1 County NESS State KANSAS

Contractor BILL HAV DOLG. CO Date 9-29-64

Depth at 8 AM 4 PM Midnight

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

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: CHECK LOG UP 250' FIRST BAILOR 5.53 GAL. 242
5.01 GAL. 242
Put 24 SWAB SWAB HOLE DOWN BAIL DRY RECOVERED
7 1/2 BALS @ 10:10 AM + 7 1/2 GAL WATER / BAIL TEST
ACIDIZING BY B.D. 250 GAL 15% ACID. SWAB BACK

8A-4P Remarks: ETA - 250
10-11 - 27.55 H. OIL COMPANY
11-17 - 27.27 " " "
12-1 - 30.19 " " "
1-2 - 30.16 " " "
SWAB BACK 6 BALS WATER
1-5252 D.S.R.

4P-12 Remarks: _____

**CITIES SERVICE OIL COMPANY
DAILY DRILLING REPORT**

Lease MOORE Well No. W County NESS State KANSAS
 Contractor BILL HAY DRILL CO Date 9-30-64
 Depth at 8 AM 4 PM Midnight
 Driller's 12-8A Bob Bauldwin 8A-4P W. H. M. - J. F. H. 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

RAY RAILER 2400 511XP **CASING RECORD**

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

12-8A Remarks: SUBS HOLE TO 12550 AM RECORDED WITH 12 1/2

511XP 2400
 7 - 12 1/2 - 51.25
 10 - 11 1/2 - 71.25
 11 - 12 - 61.25
 12 - 1 - 61.25
 1 - 2 - 61.25
 2 - 3 - 51.25

8A-4P Remarks:

3 - 4 - 61.25
 4 - 5 - 61.25
 5 - 6 - 61.25
RAY RAILER 2400 511XP

4P-12 Remarks:

1 - Set 4 1/2 SUBS 2400 511XP

**CITIES SERVICE OIL COMPANY
DAILY DRILLING REPORT**

Lease MOORE Well No. 1 County NESS State KANSAS
 Contractor BILL HAY DRIG CO INC Date 10-1-64
 Depth at 8 AM 4 PM Midnight
 Driller's 12-8A 8A-4P 7A-11-7 PM 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: Check 2500' Rig up & run 146' x
2 3/4" OUE used tubing 1-4' sub 1-8' sub.
Run 173 3/4" rods 1-9' from 1-6' from
Set in pumping unit & check out

8A-4P Remarks: Start to down 1-2' from

4P-12 Remarks: