

WELL RECORD

WILDCAT
 DISCOVERY
 POOL **Schaben**

Company **Cities Service Oil Company** Well No. **2** Farm **Moore "C"**

Location **1980' N. & 510' E. of SW Corner** Sec. **30** T. **19S** R. **21W**

Elev. Serv. **K.B. 2289'** D. F. **2286'** Gr. **2281'** Co. **Ness** State **Kansas**

State Physical Potential:

N. I. P. **184 B.O., 7.6 B.W., 24 hrs.** A. I. P. Grav.

Pay Zones **Mississippi**

Perforations **12 shots 4402-4406'**

Acid **250 gals.** Hydrafrac

T. D. **4426'** P. B. T. D. **4412'** N. T. D. Drlg. Comm. **10/6/64** Drlg. Comm. **10/16/64**

CASING RECORD

8 5/8" @ 508' w/250 sacks cem.

5 1/2" @ 4424' w/100 sacks cem.

Formation Record:

	<u>Depth:</u>
clay & lime	0 - 60
shale & shells	395
shale	455
sand	475
shale	511
shale & shells	670
red bed & shells	945
sand	1150
shale & shells	1350
red bed	1495
anhydrite	1500
shale	1505
anhydrite	1530
shale	2235
shale & lime	2335
lime & shale	2545
lime	2805
lime & shale	2985
shale & shells	3067
shale & lime	3210
lime & shale	3460
lime	3705
shale & lime	4410
lime, cherty	4425 R.T.D.

Contractor **Peel Brothers, Inc.**

Schlumberger Log Tops:

Heebner	3752 (-1463)
Toronto	3770 (-1481)
Lansing	3802 (-1513)
Base Kansas City	4128 (-1839)
Pawnee	4200 (-1931)
Fort Scott	4304 (-2015)
Cherokee	4323 (-2034)
Conglomerate	4368 (-2079)
Miss. (Osage)	4402 (-2113)
Log T.D.	4426
Pen. Miss. 24'	

Completion:

Drld. cem. to 4412. Ran correlation 1
 Perf. 12 shots 4402-4406'. Acidized w
 250 gals. Swb. 56 bbls. oil, 73 bbls.
 wtr., 5 hrs. (Short 5 bbls. load wtr.)
 Pumped 129 oil, 4 wtr., 16 hrs.
 State Pot. 184 bbls. oil, 7.6 bbls. wt
 24 hrs.

Syfo:

500'	-	
1000'	-	
1500'	-	
2400'	-	
3004'	-	
3500'	-	

1/5/65
 ng

Date October 5, 1964

TO Mr. C. R. Jones - Bartlesville

FROM V. J. Quick - Wichita

WELL PROGNOSIS

WELL NAME: Cities Service Oil Company #2 Moore "C"

LOCATION: 1980' N. & 510' E. of SW Corner
Section 30-19S-21W

COUNTY: Ness STATE: Kansas

ESTIMATED TOPS: EST. ELEV. 2298' K.B.

- | | | | |
|---------------------|---------------|-----|--|
| 1. Heebner | 3758' (-1460) | 9. | |
| 2. Toronto | 3776' (-1478) | 10. | |
| 3. Lansing | 3807' (-1509) | 11. | |
| 4. Base Kansas City | 4132' (-1834) | 12. | |
| 5. Pawnee | 4228' (-1930) | 13. | |
| 6. Fort Scott | 4308' (-2010) | 14. | |
| 7. Cherokee | 4329' (-2031) | 15. | |
| 8. Mississippian | 4403' (-2105) | 16. | |

Rotary Total Depth 4438'

PRIMARY OBJECTIVES: Mississippian

SECONDARY OBJECTIVES: None

ELECTRICAL LOGGING PROGRAM: La etolog will be run.

CORING PROGRAM: None

TESTING PROGRAM: Fort Scott will be tested if minus datum and shows justify testing. Mississippian will be tested.

MUD LOGGING PROGRAM: None

MUD PROGRAM: Mud up sufficiently high enough to obtain good samples at sample and time log depth.

CASING PROGRAM: 8 5/8" at approximately 500'.
4 1/2" production casing.

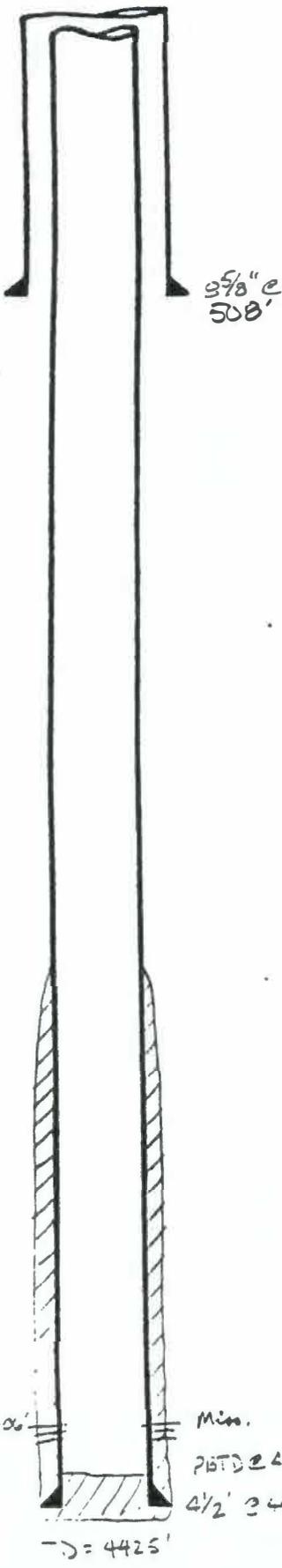
REMARKS: DRILLING TIME: 1' from 3600' to total depth.
SAMPLES: 10' samples from 3600' to 4300'.
5' samples from 4300' to total depth.

WELL HIST. SHEET

Well Name & No.: Moore C#2
 Location: 1980' FSL + 510' FWL Section 30 T 19S R 21W
 County: Deer County State: Kansas
 Elevation - RKB: 2289' GL 2281' Date Completed: 10/16/64
 Initial Production & Zone: 184+8 -24 Miss. Top: 4402'
 Current Producing Formation: Miss Top: 4402'
 Current Production: 3.6 BOPD 229 BOPD — MCFPD
 Well Cumulative Production: 120,153 BO 2555018 BW — MCF
 Lease Production: 5.7 BOPD 277 BOPD — MCFPD
 Casing Record: 22 1/2" 8 7/8" 28" @ 508' w/ 300 AX, 13 1/2" 4 1/2"
9.5" J-55 @ 4424' w/ 100 AX
 Total Depth: 4425' FBTD: 4412' DV: —
 Top of Cement - Long String: — TOC-DV: —
 Logs Run: Kell-Lange Saturday, CLL-

WELL HISTORY: 3 DST's 1 - 3+ knot 2 - Miss.
Compl. - Periz Miss. 4402-06' w/ 12 shots, casing w/ 25'
gal. 7 1/2% Lowell BDA.

drill out to old RTD of 4425', part 4406-25 residue



Future Remedial: part 4406-25 Miss, 3+ knot 4224-8.43' - 4
 Prepared By: M. L. Linn Date: 1/10/91

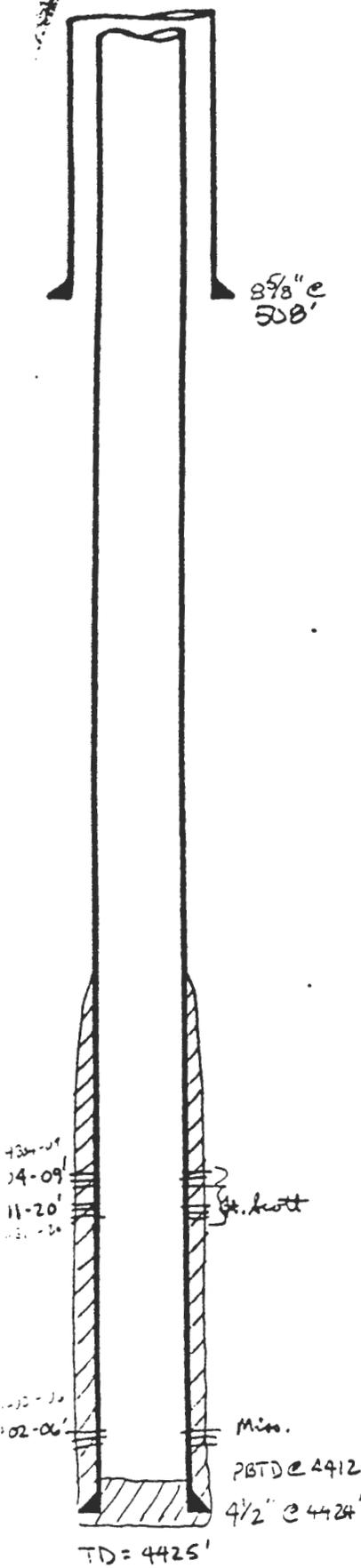
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 Location: 1980' FSL + 510' FWL Section 30 T 19S R 21W
 County: Deer County State: Kansas
 Elevation - RKB: 2289' GL: 2281' Date Completed: 10/16/64
 Initial Production & Zone: 184+8 -24 Miss. Top: 4402'
 Current Producing Formations: Miss Top: 4402'
 Current Production: 3.6 BOPD 229 BWPD - MCFPD
 Well Cumulative Production: 120,153 BO 2555018 BW - MCF
 Lease Production: 5.7 BOPD 277 BWPD - MCFPD
 Casing Record: 22' to 8 7/8" 28# @ 508' w/ 300 AX, 136' to 4 1/2"
9.5" J-55 @ 4424' w/ 100 AX
 Total Depth: 4425' PBD: 4412' DV: _____
 Top of Cement - Long Strings: _____ TOC-DV: _____
 Logs Run: Schlumberger Laterolog, CCL

WELL HISTORY: 3 DST's 1 - 3 1/2' Acct 2 - Miss.
Compl. - Perf Miss. 4402-06' w/ 12 chgs. Acidizing w/ 250
gal. 7 1/2% Dowell BDA.
4/27/91 Perf 3 1/2' Acct 4311-20' + A304-09' w/ 4 JSPF. Acidizing
w/ 500 gal 15% NEFE. Retreat w/ 1500 gal 15% NEFE.
BW 4 + 229 -24 AW 7 + 339 -24

drill out to old RTD of 4425', perf 4400-25, acidize

Future Remedial: perf 220' Miss
 Prepared By: M. Lynch Date: 1/10/91

Revised (2/86)



134-01
 14-09
 11-20
 10-06
 102-06
 TD = 4425'
 PBD @ 4412'
 4 1/2" @ 4424'

LEASE WELL NO.: MOORE C 1-2
 Location: 1980' FWL - 510' FNL Sec 30-19s-2w County: NESS
 Elevation -- G.L.: 2281' R.K.B.: 2289'
 Date Completed: OCT 16, 1964
 Initial Potential: 184 bot 5bw-24
 Producing Formation: MISSISSIPPI Top: 4402 (-2113)
 Current Production: 7 bot 36bw-24
 Accumulated Production: 107,398 bot 1,786,410 bw
 Casing: 8 5/8" @ 508' w/ 250 sk 5/2" @ 4424' w/ 100sk
 Total Depth: 4426 PBD: 4412 DV Tool:

8 5/8" @
 508'
 7/250sk

WORKOVER RECORD: COMPLETION: Drill cement to 4412'
 Perf 4402-06 Az w/ 250 gal. IP 184 bot 7bw-24

4402-06
 5/2"
 4424
 w/ 100sk

Possible Fr Scott

TD 4426

S-23-83

Great Bend, Kansas
August 10, 1964

TO: Mr. F. P. McCollum

FROM: Mr. W. J. Devaney

Moore "C" #2

Surface casing to 3400'	Native mud with L.C.M., 3-5# hulls.
3400'	Mud up, starch mud.
3400 - 4250'	Wt. 10.0 or less, viscosity 35-40, water loss 15-20 cc. 3-5# L.C.M., hulls and fiber.
4250' - Total Depth	Wt. 10.0 or less, viscosity 40-45, water loss 10 cc. 3-5# L.C.M., hulls and fiber; raise viscosity 45-50 for DST and logs.

SAMPLES AND TIME LOG REQUESTED BY GEOLOGIST:

Samples	10' samples from 3600 to 4300'. 5' samples from 4300' to total depth.
Drilling Time	1' from 3600' to total depth.

Strap drill pipe on last trip before 3600' and before logging; report this in morning drilling report. Report all deviation tests on the morning report every 500' plus or minus.

TELEPHONE:

F. P. McCollum

Russell, HU3-4798, Residence HU3-3245.

W. J. Devaney

Great Bend, GL3-4387, Residence GL3-9395.

WJD:ER

CITIES SERVICE OIL COMPANY AND AFFILIATES
AUTHORITY FOR PURCHASE OR SALE OF CRUDE OIL UNDER DIVISION ORDER

DATE, November 9, 1964

1. DESCRIPTION OF LEASE

LEASE NAME Moore C #2

OPERATOR - NAME Cities Service Oil Company

ADDRESS _____

LEASE DESCRIPTION - STATE Kans. as COUNTY/ PARISH Ness

LEGAL DESCRIPTION C NW 34, Section 30-195-21

FIELD NAME Schaben

2. WELL INFORMATION

PRODUCING FORMATION Mississippian GRADE OR TYPE OF CRUDE Sweet

APPROXIMATE GRAVITY 38° °API

WELL NUMBER (S) 1

CITIES SERVICE INTEREST 100%

PER WELL ALLOWABLE 44 BOPD

RATED WELL POTENTIAL 184 BOPD @ 7.6 meter

3. BASIS OF PURCHASE OR SALE

HOLDER OF BASIC DIVISION ORDER Cities Service Oil Company

HOLDER OF 100% DIVISION ORDER _____

PURCHASER Cities Service Oil Company

TRANSPORTATION ARRANGEMENTS

(a) IF OIL IS GATHERED BY PIPELINE

NAME OF PL _____ for a/c of _____

PUMPED TO (STATION) _____

(b) IF OIL IS TRUCKED

NAME OF TRUCKER H.H. Popp Truck Line, Inc. to (STATION & MILES): annemaker 29 1/2 miles

RATE PER BARREL 27¢ (TOTAL) LESS GATHERING ALLOW. (if any) _____

CHARGED TO: (1) INTEREST HOLDERS _____ (2) CO. EXPENSE _____

APPLICABLE PRICE POSTING 33.00 Kansas

METHOD OF HANDLING PRODUCTION TAXES Cities pays taxes

COMMENTS: Moore D is to be metered into the Moore C battery.

Gerald McGraw
J. J. Bonnhaver

Ear Bolick
John Powers

SIGNED _____
F. Stewart

AFFIDAVIT TO ESTABLISH TEMPORARY PRODUCTIVITY

This form must be filed in duplicate within five days after completion of the well:

- One copy to State Corporation Commission
500 Insurance Building-212 N. Market-Wichita 2, Kansas
- One copy to State Corporation Commission
925 Patton Road, Great Bend, Kansas

OPERATOR Cities Service Oil Co. LOCATION OF WELL:
 LEASE Moore "C" 1980 Ft. from South line.
 WELL NUMBER 2 510 Ft. from West line.
 PURCHASER Cities Service Oil Co. OF THE SW/4 OF SEC. 30 TWP. 19 RGE. 21
 COUNTY Ness
 FIELD Schaben PRODUCING FORMATION Mias. (Osage)
 Total Depth 4425, PBD 4412 Top Prod. Form. 4400(-2111)
 Acid; Date 10-22-64 Prod. Perfs. 4402-06
 Amount 250 Gal. Prod. Perfs. _____

PRODUCTION TEST

Date 10-22-64 How Produced Swab
 Oil Produced 56 Bbl. Length of Test 5 Hours,

A F F I D A V I T

STATE OF Kansas)
) SS
 COUNTY OF Barton)

O. C. Atkinson of lawful age, being first duly sworn upon his oath, deposes and says:

That he is Div. Engineer for Cities Service Oil Co., Operator of the Moore "C" Lease, and is duly authorized to make this affidavit for and on behalf of said operator, that Well No. 2 on said lease has been completed and was capable of producing twenty-five barrels of oil per day as of the 22 day of October, 1964, and that all information entered herein with respect to said well is true and correct.

Further affiant saith not.

(S) O.C. Atkinson

Subscribed and sworn to before me this 23rd day of October, 1964

C. M. McFarland
 NOTARY PUBLIC
 C. M. McFarland

My Commission expires December 6, 1966

STATE OF KANSAS
STATE CORPORATION COMMISSION-CONSERVATION DIVISION
500 Insurance Building-212 North Market
Wichita 2, Kansas

DATA AND AFFIDAVIT

(File one Copy)

(On Cementing In Surface or Drive Pipe and required by Rule 82-2-123 of the Commission for compliance with Section 55-136, 55-137, and 55-138, 1947 Supplement to G. S. Kansas 1935)

Lease Owner Cities Service oil co

Office Address Box 308 Great Bend Kansas

Lease Name ITDAR Well No. C #2

Well Location (Example: C N/2 NE/4 NE/4 or footage from lines)

190' N + 510' E of SW CORNER SEC 30 TWP 19.5RGE 91.4E1 County Ness

Contractor Reel Bros INC

Office Address Housington Kansas

Drilled with ~~rotary~~ (Rotary) tools: Date pipe set 10-6 1964

SURFACE HOLE DATA

SURFACE PIPE DATA

Size of Hole 12 1/4" Csg. (New) (Used) Size 8 3/8 Wt. 28 #

Depth 511' Where set 508'

METHOD OF CEMENTING

(a) Cement: Amount and kind 50.5X cement with 3% H.A.S.
25.0 SB 50-50 Pasmix with 3% H.A.S.

Method: (By Service Co., Dump, Fog., etc.) Halliburton

Est. Height Cement behind pipe circulated to surface

(b) Cementing Material: Explain method. (Example: 8-5/8 w/swag nipple run inside 15", Bridge hold 2/rock, and hole filled with cementing material, 15" pipe pulled.) Halliburton cement co

mixed 250 sacks of 50-50 Pasmix with 3% H.A.S. and

50 sacks of cement cement with 3% H.A.S. Pumped cement

down casing and circulated to surface on out side of pipe

Describe cementing material 250 sacks 50-50 Pasmix with 3% H.A.S. 50 sacks cement with 3% H.A.S.

GROUND WATER INFORMATION

Depth to bottom of lowest fresh water producing stratum _____

Name of lowest fresh water producing stratum _____

Surface elevation of well _____

ADDITIONAL INFORMATION

(Additional Information may be submitted on separate sheet)

A F F I D A V I T

STATE OF Kansas COUNTY OF Ness SS,
I, Frank P. McCallum, of the Cities Service oil Company, being
first duly sworn on oath, state: That I have knowledge of the facts,
statements and matters herein contained and that the same are true
and correct.

Subscribed and sworn to before me on this 10 day of October 1964
My Commission Expires:

July 24, 1991
WSN: 1303765

REGULATORY SUMMARY WELL REPORT
INITIAL WORKOVER REPORT

FOLLOWING INFORMATION FROM REPORT: 4/25/91
FROM ZONE :

WO NO :	1	BUDGET NO:		WO AFE NO:	91572412	COST:	10300
WO ROL:	4 / 25 / 91	:	:	:	:	:	:
		:		:		:	

WO CONTRACTOR:		RIG:	
FORM PRIOR TO:	MISSISSIPPIAN	PRIOR FORM (MD):	(TVD):
PROD PRIOR OIL:	4	PROD PRIOR GAS:	PROD PRIOR WTR: 229

WORKOVER TYPE : 9
 WORKOVER DESC : TEST FT. SCOTT AND COMMINGLE WITH MISSISSIPPIAN.
 :
 :
 :
 :
 :

TUBING REMARKS:

July 24, 1991
WSN: 1303765

REGULATORY SUMMARY WELL REPORT
INITIAL WORKOVER REPORT

PAGE: 2
H5SP

FOLLOWING INFORMATION FROM REPORT: 6/19/91
FROM ZONE :

WO NO :	2	BUDGET NO:		WO AFE NO:	91572412	COST:	10300
WO ROL:	6 / 19 / 91	:	:	:	:	:	:
		:	:	:	:	:	:

WO CONTRACTOR:	EXPRESS WELL SERVICE	RIG:	
FORM PRIOR TO:	MISSISSIPPI	PRIOR FORM (MD):	(TVD):
PROD PRIOR OIL:	7	PROD PRIOR GAS:	PROD PRIOR WTR: 339

WORKOVER TYPE : 9
WORKOVER DESC : * RECOMMENDATION TO POLYMER/CEMENT SQUEEZE *
:
:
:
:
:
:

TUBING REMARKS:

July 24, 1991

INITIAL WELL REPORT
OKLA CITY DISTRICT

PAGE: 1
G8MB

FOR: OXY USA INC., MOORE "C" #2; NESS, KS

04/25/91

WELL ID: 1303765 COMPANY CODE: 327 COMPANY OPERATED (C OR N): C
REPORT CODE: A DISTRICT: 1300 OKLA CITY API # 15-135-97522-00

CWI: 100.0000000 PROD FOREMAN: 1335

CNI: 87.5000000 DCI:

STATE: KS CNTRY: USA CNTY: NESS

PROVINCE: LSE-BLK-CNT:

LOC: 1980' FSL - 510' FWL

S: 30 T: 19 S R: 21 W LAT: LONG:

BOTTOM HOLE LOCATION:

PLATFORM: X-COORD: Y-COORD:

FIELD: SCHABEN PROSPECT:

PROP. TD: 4,426 PROP. TVD:

TYPE: 517 ; OTHER - WO STATUS: 01 ; OIL

EXPL. CODE: PLAY CODE: DERRICK FLOOR ELEV.:

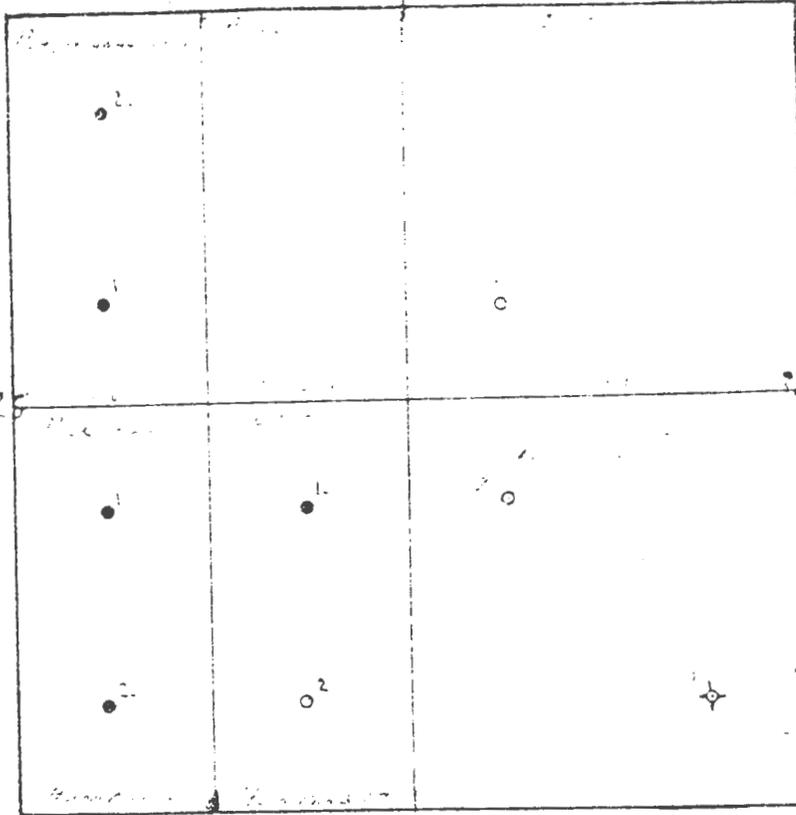
ELEV. GL: 2,281 ELEV. RKB: 2,289 WATER DPT:

CONTRACTOR: RIG:

DATE ROH: DATE ROL: SPUD: DATE- TIME- 00 : 00

OBJECTIVES: EST TVD: OBJECTIVES: EST TVD:

- | | |
|----|----|
| 1. | 2. |
| 3. | 4. |
| 5. | 6. |
| 7. | 8. |



Approp. J.O.
 DRILLING RECOMMENDATION
 Lease & Well No. Moore C #2
 Well Location 150' West of C. NW SW
Sec. 30 T19S R21W
 County Miss State Kansas
 Field Schaben Gross Interest _____
 Company Cities Service Oil Net Interest 100%
 Operator C.S.O.

VALUATION DEPT. ESTIMATES

New Reserves	Bbls.	MMCF
T.D.	Fm.	Haz. Factor
I.P.	Bbls.	MMCF
Pay out Per.	Mos. Dly. Prod.	Bbls. MCF

	FULL INTEREST	CO. INTEREST
Return Before F.I.T.	% \$	\$
Return After F.I.T.	% \$	\$
Cost (Prod)	\$	\$
Cost (D.H.)	\$	\$
PI	%	

Remarks: _____

Compl. Date _____ T.D. _____ I.P. _____

Scale _____

FIELD OFFICE ESTIMATES

Objective Horizons Miss. (Osage)
 Depth 1400'
 Net Effective Pay 40'
 Recovery Per Acre or Per Acre Foot 134, 80
 Spacing 40 Acres
 Initial Potential 100 Bbls. Oil Bbls. Wtr. MMCF Bbls. Oil Bbls. Wtr. MMCF
 Incr. Dly. Lse. Prod. 36 Bbls. MCF Bbls. MCF
 Ult. Incr. Recovery 214,400 Bbls. MMCF Bbls. MMCF
 D & E Cost Prod. \$ 52,000 SWL Facilities _____
 Pipeline Trucks
 Gr. 39° Crude Price 2.98 Truck. Chg. 27¢ Gas Price _____ c at _____
 Reasons for Drilling Prod. Offset Addn. Dev. Step-out Demand Lease Requirement Waterflood
 Remarks: Lease expires 12-19-64

STATUS OF WELLS IN IMMEDIATE AREA

COMPANY	LEASE & WELL NO.	AGE (MO.)	PROD. FM.	ACCUM. PROD. TO: <u>9/16/64</u>	PRESENT DAILY RATE		
					OIL	WATER	GAS
C.S.O.	Humburg A #1	1	Miss.	1750	55	30	
C.S.O.	Moore D #1		Miss.	Indicated 49'	Gross Pay		
C.S.O.	Humburg A #2		Miss.	Indicated 32'	Gross Pay		

DRILL	F.O.	RECONSIDER IN DAYS	REJECT	INITIALS	DATE	COMMENTS
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PROD. ENGR <u>[Signature]</u>		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	FIELD GEOL. <u>[Signature]</u>		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PROD. SUPT. <u>[Signature]</u>		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	GEOL. DIV.		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PROD. DIV.		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NATURAL GAS		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAND & GEOL.		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	FINAL DECISION		