

This form shall be filed in duplicate with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within ten days after the completion of the well, regardless of how the well was completed.

Attach separate letter of request if the information is to be held confidential. If confidential, only file one copy. Information on side one will be of public record and side two will then be held confidential.

Circle one: Oil, Gas, Dry, SWD, OWWO, Injection. Type and complete ALL sections. Applications must be filed for dual completion, commingling, SWD and injection, T.A.

Attach wireline logs (i.e. electrical log, sonic log, gamma ray neutron log, etc.).
KCC # (316) 263-3238. (Rules 82-2-105 & 82-2-125)

OPERATOR Bryce F. Hayes

API NO. None assigned

ADDRESS Box 326

COUNTY Harper

Attica, Kansas 67009

FIELD Sharon

**CONTACT PERSON Bryce F. Hayes

PROD. FORMATION Mississippian

PHONE 316-254-7621

LEASE Kircher

GAS PURCHASER Cities Service Oil Co. for KP&L

WELL NO. 1

ADDRESS Box 300

WELL LOCATION NE NE NE

Tulsa, Oklahoma

330 Ft. from North Line and

DRILLING Graham-Michaelis

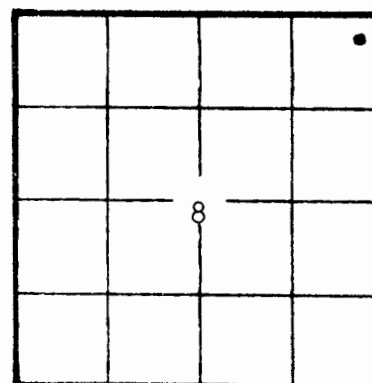
330 Ft. from East Line of

CONTRACTOR

ADDRESS Wichita, Kansas

the NE/4 SEC. 8 TWP. 32 RGE. 9W

WELL PLAT



KCC
KGS
(Office
Use)

PLUGGING

CONTRACTOR

ADDRESS

TOTAL DEPTH 4410' PBTD 4380'

SPUD DATE 6-15-57 DATE COMPLETED 7-17-57

ELEV: GR 1462' DF 1470' KB 1472'

DRILLED WITH (~~ROTARY~~) (ROTARY) (~~ROTARY~~) TOOLS

Amount of surface pipe set and cemented 300' DV Tool Used? No

A F F I D A V I T

STATE OF Kansas, COUNTY OF Sedgwick SS,

John Roger McCoy OF LAWFUL AGE, BEING FIRST DULY SWORN UPON HIS OATH,

DEPOSES THAT HE IS Representative (FOR) (~~BY~~) Bryce F. Hayes, Present

OPERATOR OF THE Kircher LEASE, AND IS DULY AUTHORIZED TO MAKE

THIS AFFIDAVIT FOR AND ON THE BEHALF OF SAID OPERATOR, THAT WELL NO. 1

AND LEASE HAS BEEN COMPLETED AS OF THE 17th DAY OF July, 19 57, AND THAT

INFORMATION ENTERED HEREIN WITH RESPECT TO SAID WELL IS TRUE AND CORRECT AS INDICATED

8-32-9W
P1

State Corporation Commission
WICHITA BRANCH

RECEIVED
STATE CORPORATION COMMISSION
WICHITA BRANCH
MAY 22 1957

W-258-8

WELL LOG

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

8-32-94
SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
See attached Records. Well drilled and completed by Magnolia Oil Company. (Mobil). Lease later sold to the present owner and operator, Bryce F. Hayes.				

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used				Depth interval treated	
Date of first production 7-17-57		Producing method (flowing, pumping, gas lift, etc.) Pump		Gravity 26°	
RATE OF PRODUCTION PER 24 HOURS	Oil 33 bbls.	Gas 35 MCF	Water % 19 bbls.	Gas-oil ratio 1,048 CFPB	
Disposition of gas (vented, used on lease or sold)			Perforations 4340-4350'		

Report of all strings set — surface, intermediate, production, etc. CASING RECORD (New) or (Used)

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
Surface	12-1/4"	9-5/8"	25.4#	300'	Pozmix 'B'	250	
Production	7-7/8"	5-1/2"	14#	4409'	Pozmix	200	

LINER RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
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TUBING RECORD

Size	Setting depth	Packer set at	Shots per ft.	Size & type	Depth interval
2-3/8" EUE	4338'		4	Jet	4340-4350'

FROM: C. O. Turner

TO: Mr. L. F. Walker
Dallas 21, Texas

SUBJECT: LETTER OF COMPLETION: Ed KIRCHER #1
NE NE NE
Section 8-32S-9W
(Sharon NE Field) Harper County, Kansas
Graham-Michaelis Drilling Co.
Wichita, Kansas

July 25, 1957

8-32-9W

Dear Sir:

The following information is for your file and further handling:

SPUD DATE: 6-15-57 @ 4:00 P. M.

COMPLETION DATE: 7-3-57

TOTAL DEPTH: 4410' PLUG BACK DEPTH: 4380'

POTENTIAL TEST DATA: Pmpd 33 BO + 19 BSW - 24 hrs. Gas Vol 35 MCFPD. GOR 1048/1. Gvty 26° @ 60°, 15 x 44 x 1-1/4" pmp.

CASING POINTS: 9-5/8" Csg @ 300' w/250 sx Pozmix "B".
5-1/2" Csg @ 4409' w/200 sx Pozmix.

CORES: None

D.S.T.: #1, 6-28-57, 4295-4330' (Miss). Op 1 hr. Gas to surf in 3 mins. 5 mins 1250 MCF, 15 mins 1450 MCF, 30 mins 1450 MCF, 45 mins 1540 MCF, 1 hr 1540 MCF. Surf FP 25#. Rec 110' GC&SOCM. IFP 150#, FFP 215#. SI 20 mins, SIBHP 1635#. 1" x 1/2" Choke.

State Geological Survey
WICHITA, BRANCH

#2, 6-29-57, 4332-70'. Tool plugged.

#3, 6-29-57, 4332-70' (Miss). Op 53 min. Gas to surf in 2 mins, oil in 47 mins. Surf FP 0#. Rec 4212' free oil + 120' oily mud. IFP 340#, FFP 1030#, SI 25 mins, SIBHP 1515#. HH 2335. Mud 9.4#, Vis 44, Wtr loss 6.8, Gvty 26.1°. 1 x 1/2" Choke.

SURVEYS: Gamma, Neutron-Gamma, Guard, Natural Gamma Radiation, Focused Resistivity, RxO by Halliburton, Gamma Ray Log by Welox.

PERFORATIONS: #1, 7-3-57, 4340-50' w/40 jet holes.

ACID OR FRAC JOBS: None

SQUEEZE JOBS: None

GAS/OIL PURCHASER: Skelly

TANKS: Two 200 bbl lease tanks.

REMARKS: Changed to oil emulsion mud @ 3800'.

Sample Tops	Depth	Sub-Sea	Samples By
Lans-KC	3583	-2113	RTY
Miss cx	4293	-2823	"
RTD	4410		Driller
PED	4380		"
Lans-KC	3582	-2112	Hall. Log
Miss cx	4295	-2825	"
TD	4413		

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MAR 22 1982

CONSERVATION DIVISION
Wichita, Kansas

K:wc:rb

cc: E L Downing W B Powers
D E Box, Jr N E Bourland
W B Cooley J W Black
D V Carter Jay Ledbetter
File - 4 ✓

Yours very truly,

C. O. TURNER
Asst. District Superintendent

MAGNOLIA PETROLEUM COMPANY WELL RECORD

8-32-90

at Depth Drilled 4410' (RTD)
 string Set @ 4409' (5-1/2")
 Back Depth 4380'
 ical or Directional Hole Vertical

Permit No. _____
 Serial No. _____
 Completed as Single Oil well
Pumping
 (TYPE OF WELL)

Lease Name Ed Kircher
 Well No. 1
 Field Sharon NE
 District Chase

sh Harper State Kansas State Reg. District Great Bend, Kansas
 ck 8 1 of Township 32S Unit 9W Distance From 4 mi West & 2 mi North of
 rion of Well: NE NE NE, 330' FNL, 330' FEL of NE/4. Nearest Town Attica, Kansas

TE SUMMARY	Date	Work Performed By	Remarks
ation Staked	6-11-57	L. C. Case, MPCo Civil Engineer	
Level Location	6-11-57	Graham-Michaelis Drlg Co., Wichita, Kansas	
enced Erecting Derrick	6-11-57	" " " " " "	
leted Erecting Derrick	6-15-57	" " " " " "	
enced Rigging Up	6-15-57	" " " " " "	
al Rigging Up Completed	6-15-57	" " " " " "	
enced Drilling (Spud Date)	6-15-57	" " " " " "	4:00 P. M.
pleted Drilling (Total Depth) <u>4410'</u>	6-29-57	" " " " " "	
d In Cable Tools	None		
string Casing Set @ <u>4409' (5-1/2")</u>	7-1-57	" " " " " "	
Back (Final) <u>4380'</u>	7-11-57	" " " " " "	
orations (Final) <u>4340-50'</u>	7-3-57	Welex, Ft. Worth, Texas	40 jet shots.
pleted Subsurface Installations (Final)	7-6-57	Under supervision of J. B.	Ran 2" tubing
pleted Well Head Installations (Final)	7-6-57	Ledbetter, MPCo Production	9-5/8 x 5-1/2
enced Bringing in (Final)	7-5-57	Foreman	Don R. Binderlite
Cleaned (Final)	7-5-57	" " " "	Csgd w/2" side c
enced Abandonment			lets. 2000# Work
pleted Abandonment	Company Completion Date 7-3-57.		Press. 4000# tes

sert the first work started, as; Build Road, Build Board Road and Turn around, Dig Canal, Clear and/or Grade Location, Lay fuel and Water Li
 g Slush Pit, Build Rig Foundation, or, Install Drilling Foundation.

DAYS WATER USED Furn by Contractor : SOURCE Hauled
 DAYS FUEL USED Furn by Contractor : KIND Dutane : SOURCE Hauled

asuring Point Will Be DF 1470 Ground Kelly Bushing Kelly Bushing to Surface Csg.
 ly Drive Bushing. 1472, Elevation 1462' To Gr. Elev. 10' Surface Csg. Flg. 12' Flange Elev. 1460'

nsfer No. In: 4755, 4786 CASING, TUBING, & * CEMENTING RECORD Transfer No. Out:

4/87					Total Feet Less Threads			Total No. Scratchers and	Total No. Centralizers
Weight	Collars & Threads	Kind	Rge	Jts.	Put In	Pulled	Left In	Where Placed	and Where Placed
1/8" 25.14	Armco Slip Jt	3		8	288		288	14 - 4302-4372	4 - 4406 - 4374 - 42
	Spiral Weld Csg								
1/2" 14.07	8 RT J-55 EW	2	133	4397		4397			
	Csg							State Geological Survey WICHITA, BRANCH	
4.77	8 RT EUE J-55	2	138	4338		4338			
	SS Tbg								
5/8" Csg set @ 300' w/250 ex Pozmix "B" - circ. 6-15-57.									
1/2" Csg set @ 4409' w/200 ex Pozmix - 7-1-57.									
ACTION NO. 1 - PRODUCTION TESTS AND POTENTIAL TEST DATA:									
-17-57, State Potential - Pmpd 33 BO + 19 BSW - 24 hrs. Gas Vol 35 MCFD. COR 1048/1. Corr.									
Gvty 26° @ 60°. Pmpd 15 - 44" SPM. 1-1/4" pmp.									

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 WICHITA, BRANCH
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 CONSERVATION DIVISION
 Wichita, Kansas

SECTION NO. 2 - FORMATION SUMMARY: Data taken from X-1092

1 Ed Kircher
Jnd

FORMATION	FROM	TO	DST	MEC LOG	GR-N LOG	REMARKS
Shale & Shells	0	995				
Shale	995	1113				
Anhy	1113	1123				
Shale	1123	1275				
Lime shale	1275	1406				
Shale & Lime shells	1406	1777				
Lime shale	1777	4027				
Lime	4027	4133				
Lime & Shale	4133	4173				
Lime	4173	4260				
Lime & Shale	4260	4315				
Lime	4315	4370	#1,2,3			
Hard-lime	4370	4404				
Cherty lime	4404	4410		FR		
Rotary Total Depth		4410				
Oil String Set @		4409				
Plug Back Depth		4380				

State Geological Survey
WICHITA, BRANCHWelex Gamma Ray 4200-4378
Halliburton Gamma 0-4403
Halliburton Neutron-Gamma 0-4413
Halliburton Guard 3300-4408
Halliburton Natural Gamma Radiation
3288-4411
Halliburton Focused Resistivity
3300-4413
Halliburton RXO 3300-4408

SECTION NO. 3 - DEPTH MEASUREMENTS:

	DRILLERS DEPTH	STEEL LINE	#GR-N LOG *MEC LOG	KELLY BUSHING TO FLANGE 12'	SURFACE FLANGE DEPTH (*)
Drillers Depth	4410	4410			4398
Casing Seat (Surf)	300	300			288
Casing (Oil)	4409	4409			4397
Plug Back Depth	4380	4380			4368
Rotary Total Depth	4410	4410	#4413		4398
Perforations	4340-50	4340-50			4328-38

Dollars or Radium markers as shown on Welex Gamma Ray Log.

(*) Indicates correct measurement from surface casing flange as permanent datum.

SECTION NO. 4 - DRILL STEM TESTS: Data taken from Morning Report & Sv Co Reports

No.	Date	From	To	Kind of Test	Tool @	Top Ck	Btn Ck	Time	Results
	6-28-57	4295	4330	Open Hole	4295	1"	1/2"	1 hr	Gas to surf in 3 min. 5 min 1250 MCF, 15 min 1450 MCF, 30 min 1450 MCF, 45 min 1540 MCF, 1 hr 1540 MCF. Surface flow press 25%, rec 110' GC&SOCM. IFP 150%, FFP 2: SI 20 min BHP 1635#.
	6-29-57	4332	4370						Tool plugged.
	6-29-57	4332	4370	Open Hole	4332	1"	1/2"	53 mins	Gas to surf in 2 min. Oil in 47 min (Est 15 bbls/hr rate). No surf flow press. Rec 4212' free oil + 120' oily mud. IFP 340%, FFP 1030%, SI 25 min BHP 1515#. 1 2335. Mud 9.4#, Vls 44, Water loss 6.8.

SECTION NO. 5 - PERFORATING AND SQUEEZE RECORD: Data taken from Morning Report & Sv Co Reports

PERFORATING RECORD

No.	From	To	No. Shots	Size	Kind	FB @	Drld Plug to	DST	Date
1	4340	4350	40	-	Jet	4380	-	3	7-3-57

SQUEEZE RECORD

None

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CONSERVATION DIVISION
Wichita, Kansas

Ed Kircher

1

SECTION NO. 6 - SURVEYS PERFORMED:

8-32-9w
1 Ed Kircher

No.	Kind	From	To
1	Welex Gamma Ray	4200	4378
1	Halliburton Gamma	0	4403
1	Halliburton Neutron-Gamma	0	4413
1	Halliburton Guard	3300	4408
1	Halliburton Natural Gamma Radiation	3288	4411
1	Halliburton Focused Resistivity	3300	4413
1	Halliburton RXO	3300	4408

WIRE SHOT DEVIATION SURVEY

OFF VERTICAL

100	1/2 Degree
330	1/4 Degree
500	0
500	3/4 Degree
60	3/4 Degree
750	3/4 Degree
987	1/2 Degree
440	0
785	0
156	0
58	1 Degree
758	1-1/2 Degree
956	1 Degree
173	1 Degree

NO DIRECTIONAL SURVEY - VERTICAL HOLE

AVERAGE HOLE DIAMETER 7-7/8

State Geological Survey
WICHITA BRANCH

SECTION NO. 7 - CORE RECORD: No cores were taken on this well.

SECTION NO. 8 - BIT RECORD: Data taken from X-1892

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MAR 22 1982
OIL CONSERVATION DIVISION
Wichita, Kansas

No. Used	Size	Kind	From	To
1	13-3/4	Rockbit	0	301
14	7-7/8	Rockbit	301	4410

SECTION NO. 9 - ACIDIZING OR OTHER COMPLETION OPERATIONS: Data taken from Morning Report

one

SECTION NO. 10 - SUMMARY OF OPERATIONS: Data taken from Morning Report

1) Drilling and Exploratory Operations Performed:

- 6-15-57 Spudded @ 4:00 P. M.
- 6-16-57 Set 9-5/8" csg @ 300' w/250 sx Pozmix "B".
- 6-24-57 Changed to oil emulsion mud @ 3800'.
- 6-28-57 DST #1, 4295-4330 (See Section #4)
- 6-29-57 DST #2, 4332-70 - tool plugged. DST #3, 4332-70', Miss formation (See Section #4)
Ran Schlumberger.
- 6-30-57 Ran Halliburton logs (See Section #6)

2) Completion Operations Performed:

- 7-1-57 Set 5-1/2" csg @ 4409' w/200 sx Pozmix.
- 7-2-57 Rig released @ 4:30 P. M.
- 7-3-57 Ran Welex Gamma Ray log & perf 4340-50 w/40 Jet holes.
PB 4380. Set 2" tbg, open end, at 4338'.
- 7-4-57 Swbd 110 BLD + NW - 11 hrs. Last hr 4 BLD. All load rec. SI 10 hrs. TP 110',
CP 100#.
- 7-5-57 Swbd 58 BLD + 8 BSW - 8 hrs. Last 2 hrs made 5 BO + 1 BSW per hr. Good show of
gas. Swabbing off bottom.
- 7-6-57 Ran rods & POP, set temp unit. Papd 29 BNO + 6 BSW - 10 hrs. Pumping 15 x 44 x 1-1/
pump.

7-

SECTION NO. 10 - SUMMARY OF OPERATIONS: Data taken from Morning Report(2) Completion Operations Performed: (Continued)

7-7-57 Pmpd 40 BQ + 20 BW - 24 hrs. Est 20 MCF. 25 bbl allowable.
7-8-57 Pmpd 41 BQ + 20 BSW - 24 hrs. Gas vol 20 MCF est.
7-9-57 Pmpd 39 BQ + 21 BSW - 24 hrs. Est 20 MCF gas. (See Section #1 for state potential). Company completion date 7-3-57.

SECTION NO. 11 - FORMATION RECORD: Data taken from Geological Letter

<u>FORMATION</u>	<u>DEPTH</u>	<u>SUB-SEA</u>	<u>SOURCE</u>
Lansing-Kansas City	3583	-2113	Samples RTT
Mississippi cr	4293	-2823	"
Rotary Total Depth	4410		Driller
Plug Back Depth	4380		
Lansing-Kansas City	3582	-2112	Hall. Log
Mississippi	4295	-2825	"
Total Depth	4413		

CONTRACTOR'S STATEMENT:

Graham-Michaelis Drlg. Co. 7-11-57 Inv. #7-8

4401' Drlg. @ \$3.25 - \$14,303.25

Rotary Day Work

40½ hrs @ \$650/D - 1,096.86

25¼ " @ \$550/D - 578.65

\$15,978.76State Geological Survey
WICHITA, BRANCH

WELL LOG BUREAU—KANSAS GEOLOGICAL SOCIETY
503 East Murdock, Wichita, Kansas

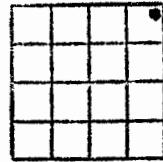
8-32-9W

Company- MACNOLIA PETROLEUM CO.
Farm- Ed Kircher No. 1

SEC. 8 T. 32 R. 9W
NE NE NE

Total Depth. 4410'
Comm. 6-14-57 Comp. 6-3-57
Shot or Treated.
Contractor. Graham-Michaelis Drilg.
Issued. 9-7-57

County Harper
KANSAS



Elevation. 1470'

Production. 33 BOPD

CASING:

9 5/8" 300' cem w/250 sx.
5 1/2" 4409' cem w/200 sx.

Figures Indicate Bottom of Formations.

shale & shells	485
shale	690
shale, Anhy. streaks	995
shale	1113
anhydrite	1123
shale	1275
lime & shale	1406
shale & lime shells	1560
lime & shale streaks	1810
lime & shale	2052
shale-lime	2265
lime & shale	2440
shale & lime	2705
lime & shale	2785
lime & shale	2912
shale & lime	3069
lime & shale	3156
shale & lime	3275
lime & shale	3412
lime	3468
lime, shale	3662
lime	3758
shale-lime	3819
lime & shale	3913
lime	4003
lime & shale	4027
lime	4133
lime & shale	4173
lime	4231
lime & shale	4315
lime	4370
chert lime	4404
cherty lime	4410 RTD
Total Depth	

TOPS: SCOUT
Kansas City 3582
Mississippi 4295

Magnolia Petroleum Company
SUPPLEMENT TO WELL RECORD
X-5070

DATE April 15, 1958

LEASE Ed KIRCHER	WELL NO. 1	DISTRICT CHASE
STATE		COUNTY OR PARISH

REASON FOR WORK

Perforate additional 10' of present zone, sand frac and acidise entire producing zone

- ☒ WORK OVER
☐ CLEAN OUT
☐ RECOMPLETION
☐ MULTIPLE COMPLETION
☐ DRILL DEEPER
☐ PLUG BACK
☐ ABANDONMENT

APPROPRIATION NO. None	AMOUNT REQUESTED \$ 3200	APPROXIMATE EXPENDITURE \$ 3200	ESTIMATED MONTHS TO PAY OUT 2
WORK PERFORMED BY Pratt Well Sv., Halliburton, FOAC		DATE WORK COMMENCED 3-25-58	DATE COMPLETED 3-26-58

PRODUCTION BEFORE

10 BO & 7 BWPD

POTENTIAL TEST AFTER

49 BO & 49 BSWPD, gas vel 1073 MCF/day, 22/64" choke, TP 850# CP 1125#, OOR 21853/L, grav 27.5° corrected, allowable 31 BOPD

PREVIOUS T.D. 4410 RTD	P.B.T.D. 4380	MEASURING POINT KB - 12' above Surf Csg Flange
PRESENT T.D. 4410 RTD	P.B.T.D. 4380	MEASURING POINT KB - 12' above Surf Csg Flange
PREVIOUS PRODUCING FORMATION (S) AND DEPTH (S) 4340-50 (Mississippi)		PRESENT PRODUCING FORMATION (S) AND DEPTH (S) 4330-50 (Mississippi)
CHANGE (S) IN CASING RECORD None		

SUMMARY OF OPERATIONS

Pulled rods & 5 jts 2" tbgs; perf 4330-40 w/50 1/2" Jet holes; reset 2" tbgs @ 4328; sand frac perf 4330-50 w/10,000# sd & 10,000 gal lse oil + 30 nylon balls, break down w/oil 2900-2500# rate 15 BPM (20 BO), max treat press 2800# min 2600# final 2800# rate 17 BPM, overflush w/50 BO, 5 min SIP 1100# (total 417 BLO); ran rods & POP; pumped 98 BLO & BW in 8 hrs; flowed 199 BLO & 35 BSW in 2 1/2 hrs, 18/64" choke, 1020 MCF/day, TP 850# CP 1250#; test 61 hrs (all LO recovered); flow 23 BNO & 17 BSW in 11 hrs, 18/64" choke, 1020 MCF/day, TP 875# CP 1275#; test 2 1/2 hrs; kill well w/SW, pulled rods & heck up to flow; LW recovered in 36 hrs; tested approx 4 days before final test.

OR/s

Orig: Dist Off Well Log File
 cc: E. L. Downing
 M.V.C. Bradley
 H. K. Holland, Jr.
 Geol Dept - Wichita
 File - 2 (1200.1)

State Geological Survey
WICHITA, BRANCH

RECEIVED
 STATE GEOLOGICAL SURVEY
 Original Signed By
MAR 23 1958
 JOURNER
 Geology Division
 Wichita, Kansas

E.S. WALBETH - GREAT BEND
A.W. BROWN - ATTICA

8-32-9W

Mobil Oil Company
SUPPLEMENT TO WELL RECORD

X-5070		DATE <u>7-10-64</u>	
LEASE <u>Ed Kirshen</u>	WELL NO. <u>1</u>	DISTRICT <u>Wichita</u>	DIVISION <u>DENVER</u>
STATE <u>KANSAS</u>	COUNTY OR PARISH <u>HARPER</u>		☒ WORK OVER ☐ CLEAN OUT ☐ RECOMPLETION ☐ DRILL DEEPER ☐ REDRILL ☐ ABANDONMENT
REASON FOR WORK <u>INCREASE PRODUCTION</u>			
APPROPRIATION NO. <u>5860</u>	AMOUNT REQUESTED <u>\$ 4600</u>	APPROXIMATE EXPENDITURE <u>\$ 3200.</u>	ESTIMATED MONTHS TO PAY OUT <u>5 1/2 months</u>
WORK PERFORMED BY <u>Holmes Well Service & Dowell & Wiley</u>		DATE WORK COMMENCED <u>6-8-64</u>	DATE COMPLETED <u>6-8-64</u>
PRODUCTION BEFORE <u>7 B.O.P.D. & 100 MCFPD.</u>			
POTENTIAL TEST AFTER <u>12 B.O.P.D. & 200 MCFPD.</u>			
State Geological Survey WICHITA, BRANCH			

PREVIOUS T.D. <u>4410</u>	P.B.T.D. <u>4380</u>	MEASURING POINT <u>KR-12' ABOVE SURF. Csg. Flg.</u>
PRESENT T.D. <u>4410</u>	P.B.T.D. <u>4380</u>	MEASURING POINT <u>KR-12' ABOVE SURF. Csg. Flg.</u>
PREVIOUS PRODUCING FORMATION (S) AND DEPTH (S) <u>4330-50 MISS.</u>		PRESENT PRODUCING FORMATION (S) AND DEPTH (S) <u>4304-20' 4330-50' MISS.</u>
CHANGE (S) IN CASING RECORD <u>NONE</u>		

SUMMARY OF OPERATIONS

Pulled rods & pump - Picked up tubing 3 joints -
 Perforated thru tubing 4304-20' w/Wiley Strip Jet
 4 shots/st. Frac old perf 4330-50 w/5000 gal-
 3% duofrac 20 & 5000 # 20-40 sd. Followed with
 400 # 12-20 walnut hulls, followed w/100 7/8"
 Rubber coated nylon balls press 1300#. Balls
 hit perf add top perf 4304-4320 broke
 down w/150 gal 15% acid @ 1500#. Frac
 new perf w/10,000 gal 3% duofrac 20 & 10,000 #
 20-40 sand followed w/200 # 12-20 walnut hulls.
 AVE. INJ RATE 25 BBL/MIN. MAX PRESS 1500#. AVE PRESS 1400.
 RAN 5 minutes USE REVERSE SIDE IF ADDITIONAL SPACE IS NEEDED RAN Tubing in
 nd P.O.P.

STATE CORPORATION COMMISSION
CONSERVATION DIVISION
500 INSURANCE BLDG.
212 NORTH MARKET
WICHITA 2, KANSAS

8-32-9W

Township 32 Range 9W County HARPER Pool SHARON

