

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL PLUGGING APPLICATION

Form CP-1
September 2003
This Form must be Typed
Form must be Signed
All blanks must be Filled

15-015-19733-00-00

Please TYPE Form and File ONE Copy

API # 15 - Drilled in 1947 (Identifier Number of this well). This must be listed for wells drilled since 1967; if no API # was issued,

indicate original spud or completion date ~~2-27-1947~~ 4-22-52

Well Operator: Dunne Investments Operating, Inc. KCC License #: 32979

Address: 8100 E. 22nd Street North, Bldg 1100 City: Wichita

State: KS Zip Code: 67226-2311 Contact Phone: (316) 684-6508

Lease: Koogler Well #: 94 Sec. 21 Twp. 26 S. R. 5 East West

C SE NW Spot Location / QQQQ County: BUTLER

990 Feet (in exact footage) From North / South (from nearest outside section corner) Line of Section (Not Lease Line)

990 Feet (in exact footage) From East / West (from nearest outside section corner) Line of Section (Not Lease Line)

Check One: Oil Well Gas Well D&A Cathodic Water Supply Well
 SWD Docket # _____ ENHR Docket # _____ Other: _____

Conductor Casing Size: _____ Set at: _____ Cemented with: _____ Sacks

Surface Casing Size: 8 5/8 Set at: 102 Cemented with: 85 Sacks

Production Casing Size: 5 1/2 Set at: 2500 Cemented with: 100 sax Sacks

List (ALL) Perforations and Bridgeplug Sets: 2468-87, 2550-60

Elevation: 1309 (G.L. / K.B.) T.D.: _____ P.B.T.D.: _____ Anhydrite Depth: _____
(Stone Corral Formation)

Condition of Well: Good Poor Casing Leak Junk in Hole

Proposed Method of Plugging (attach a separate page if additional space is needed): PER KCC REGULATIONS

Is Well Log attached to this application as required? Yes No Is ACO-1 filed? Yes No

If not explain why? DRILLERS LOG ATTACHED

Plugging of this Well will be done in accordance with K.S.A. 55-101 et. seq. and the Rules and Regulations of the State Corporation Commission.

List Name of Company Representative authorized to be in charge of plugging operations: Gary LaRue

P. O. BOX 232 Phone: (316) 651-6023

Address: P. O. Box 232 City / State: El Dorado, KS 67042

Plugging Contractor: Phillips Well Service, Inc. KCC License #: 5870

Address: P. O. Box 1263, El Dorado, KS 67042 Phone: (316) 321-6650

Proposed Date and Hour of Plugging (if known?): ASAP

Payment of the Plugging Fee (K.A.R. 82-3-118) will be guaranteed by Operator or Agent
Date: 12-20-2006 Authorized Operator / Agent: *Thomas M. Armistead* RECEIVED
(Signature) KANSAS CORPORATION COMMISSION

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

DEC 28 2006
CONSERVATION DIVISION
WICHITA, KS

890

Total Depth Drilled 2561' Permit No. _____ Lease Name M.A. Koogler
 Oil String Set 2500' Serial No. _____ Well No. 94
 Plug Back Depth None Field El Dorado
 Vertical or Directional Hole Vertical District El Dorado

County Butler State Kansas State Reg. District _____
 Section 21 Township 26S Range 5E Distance From Nearest Town Nine (9) Miles from El Dorado, Kansas
 Location of Well: 990' FUL, 990' FUL, NW/4

| DATE SUMMARY | Date | Work Performed By | Remarks |
|--|---------|---------------------------------------|------------------|
| Location Staked | 4-17-52 | Civil Engineering Dept. | |
| * Dig Pits | 4-21-52 | Bud Edwards Drig. Co., Wichita, Kans. | |
| Commenced Erecting Derrick | | | Portable Rig |
| Completed Erecting Derrick | | | Portable Rig |
| Commenced Rigging Up | 4-29-52 | Bud Edwards Drig. Co., Wichita, Kans. | Portable Drig. R |
| Initial Rigging Up Completed | 4-29-52 | " " " " " " | " " " " " " |
| Commenced Drilling (Spud Date) | 4-22-52 | " " " " " " | Cable Tools |
| Completed Drilling (Total Depth) | 5-18-52 | " " " " " " | Portable Drig. R |
| Moved In Cable Tools | 5-10-52 | " " " " " " | " " " " " " |
| Oil String Casing Set | 5-8-52 | " " " " " " | " " " " " " |
| Plug Back (Final) | | | |
| Perforations (Final) | | | |
| Completed Subsurface Installations (Final) | 5-19-52 | Bud Edwards Drig. Co., Wichita, Kans. | |
| Completed Well Head Installations (Final) | 5-19-52 | " " " " " " | |
| Commenced Bringing in (Final) | 5-18-52 | " " " " " " | |
| Well Cleaned (Final) | 5-18-52 | " " " " " " | |
| Commenced Abandonment | | | |
| Completed Abandonment | | | |

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

NO. DAYS WATER USED None SOURCE Furnished by Contractor
 NO. DAYS FUEL USED None KIND _____ SOURCE Furnished by Contractor

Measuring Point Will Be _____ Ground _____ Kelly Bushing _____ Kelly Bushing to _____ Surface Cag. _____
 Kelly Drive Bushing _____ Elevation 1309.5 To Gr. Elev. 4' Surface Cag. Fig. None Flange Elev. None

Transfer No. In: 6336 - 6443 CASING, TUBING, & * CEMENTING RECORD Transfer No. Out: _____

| Size | Weight | Collars & Threads | Kind | Rge | Jts. | Total Feet Less Threads | | | Total No. Scratchers and Where Placed | Total No. Centralizers and Where Placed | |
|--|--------|-------------------|------|------|------|-------------------------|--------|---------|---------------------------------------|---|-------------------|
| | | | | | | Put In | Pulled | Left In | | | |
| 8-5/8" | 28# | 6" | 8V | L.W. | 1 | 5 | 100' | | | None | None |
| 8-5/8" Casing set at 102', cemented w/85 sacks Regular Portland Cement, 1 1/2 Slurry. Circulated from bottom to top. W.O.C. 2 1/2 hours. | | | | | | | | | | | |
| 5-1/2" | 1 1/2# | 6-3/4" | 8Rd. | J-55 | 2 | 77 | 2496' | | | None | 2 - 2398' - 2464' |
| 5-1/2" Casing set at 2500' K.B.M., cemented w/100 sacks Regular Portland Cement, 1 1/2 Slurry, under 100# pressure. Top of cement not known. W.O.C. 4 1/2 hours. | | | | | | | | | | | |
| 2" | 4.7# | 5" | 8Rd. | J-55 | 2 | 81 | 2545 | | | | |
| 88 Tubing | | | | | | | | | | | |

* Following each string of casing, and using the full width of the sheet, give complete cementing record as follows: Where loaded, Amount and kind of cement, Amount and kind of Additives, Stages of Cementing, Cement Tops, Slurry weight per Gal. and WOC Hours.

Give the balance of Well Record by Sections, in the order listed below, carefully following instructions in the Field Manual for each section. Use the reverse side of this sheet and subsequent sheets on Form X-6727 As needed.

- Section 1- Production Tests and Potential Test Data
- Section 2- Formation Summary
- Section 3- Depth Measurements
- Section 4- Drill Stem Tests
- Section 5- Perforating and Squeeze Record
- Section 6- Surveys Performed
- Section 7- Core Record
- Section 8- Bit Record
- Section 9- Acidizing or Other Completion Operation
- Section 10- Summary of Operations
- Section 11- Formation Record
- Section 12- Plugging & Abandonment Record

Lease Name M.A. Koogler Well No. 94 Sheet No. 1 of 3 Sheets

5 1/2 Cemented @ 2500 with 100 sacks
 Run in 5 1/2 segs @ 2463
 (16 1/4 4 1/2 liner @ 2624)
 Carb. Tops 2550-60

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SECTION NO. 1 - PRODUCTION DATA:

Single Oil Well Completion - Pumping.

Production test completed on May 23, 1952, in the Simpson Sand Formation, top 2500', bottom 2562'. Open hole from 2500' to 2562'. Well pumped on 2 1/2 hour test at the rate of 93 bbls. oil, 10 bbls. water, per day. 1-3/4" x 8' working barrel set at 2557', 2" tubing, 3/4" rods. 32" stroke, 17 s.p.m. Gravity 34.5 @ 76°. Allowable 100%.

SECTION NO. 2 - FORMATION SUMMARY:

| Formation | From | To | Core No. | DST No. | Elec. Log Run No. | GR-W. Run No. | Remarks |
|---------------|-------|-------|----------|---------|-------------------|---------------|---------|
| Lime, Viola | 2477' | 2500' | 1 | None | None | None | |
| Sand, Simpson | 2500' | 2562' | 1 | None | None | None | |
| bed Bed | 2562' | 2564' | | | | | |

SECTION NO. 3 - DEPTH MEASUREMENTS:

| | Drillers Depth | Steel Line | GR-W Log Elec. Log | Perf. Line | Feet Plus or Minus | KB to G.L. | Surface Depth |
|-------------|----------------|------------|--------------------|------------|--------------------|------------|---------------|
| Drilling | 2564' | None | None | None | - | 4' | 2560' |
| casing Seat | 2500' | None | None | None | - | 4' | 2496' |
| total Depth | 2564' | None | None | None | - | 4' | 2560' |

SECTION NO. 6 - SURVEYS PERFORMED:

Sperry-Gun Deviation Survey:

| No. | Depth | Deg. off Vertical |
|-----|-------|-------------------|
| 1. | 500' | 1/2° |
| 2. | 1000' | 3/4° |
| 3. | 1500' | 1° |
| 4. | 2000' | 1° |

SECTION NO. 7 - CORE RECORDS:

| No. | From | To | Recovered | Description |
|-----|---------|---------|-----------|--|
| 1 | 2479' | 2504' | 25' | |
| | 2479' | 2489' | | Dolomite with Staining. |
| | 2489' | 2493.5' | | Dolomite, Sandy, W/ good stain. |
| | 2493.5' | 2494.5' | | Sand with Shaley Streaks, saturation and staining. |
| | 2494.5' | 2499' | | Dolomite, Sandy, W/stain. |
| | 2499' | 2504' | | Sand, Slightly Shaley W/stain. |

SECTION NO. 8 - BIT RECORD:

| No. | Size | Drag or Rock | From | To | No. Ft. Drilled |
|-----|--------|--------------|-------|-------|-----------------|
| 1. | 7-7/8" | Rock | 102' | 780' | 678' |
| 2. | 7-7/8" | Rock | 780' | 1688' | 908' |
| 3. | 7-7/8" | Rock | 1688' | 2075' | 387' |
| 4. | 7-7/8" | Rock | 2075' | 2337' | 262' |
| 5. | 7-7/8" | Rock | 2337' | 2479' | 142' |
| 6. | 7-7/8" | Rock | 2479' | 2504' | 25' |

No. 2 of 3 Sheets

Lease Name M.A. Koogler Well No. 24

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892

SECTION NO. 10 - SUMMARY OF OPERATIONS:

1. Drilling and Exploratory Operations Performed:

5-7-52 - 5-8-52 - Core No. 1

2. Completion Operations Performed:

5-10-52 - 5-19-52, Incl.

Moved in Cable Tools. Moved in, rigged up, drilled out cement, plug to 2500' and cleaned out to 2504'. Drilled, Simpson Sand Formation, from 2504' to total depth of 2564'. Ran tubing and rods. See production test No. 1 for completion.

SECTION NO. 11 - FORMATION RECORD:

| <u>Formation</u> | <u>From</u> | <u>To</u> | <u>Remarks</u> |
|--|-------------|-----------|-------------------------------|
| Sod and Soil | 0 | 2' | |
| Flint Gravel | 2' | 5' | |
| Lime | 5' | 32' | |
| Shale | 32' | 35' | |
| Lime | 35' | 38' | |
| Shale | 38' | 42' | |
| Lime | 42' | 60' | |
| Shale | 60' | 66' | |
| Lime | 66' | 73' | |
| Red Rock | 73' | 80' | |
| Lime | 80' | 270' | 8-5/8" Casing set at 102'. |
| Red Rock | 270' | 280' | |
| Lime | 280' | 440' | |
| Lime and Shale | 440' | 610' | |
| Lime, Shale Streaks | 610' | 710' | |
| Shale and Lime Shells | 710' | 885' | |
| Shale and Shells | 885' | 1125' | |
| Shale | 1125' | 1230' | |
| Shale and Lime Shells | 1230' | 1375' | |
| Lime, Sandy | 1375' | 1535' | |
| Shale | 1535' | 1589' | |
| Lime | 1589' | 1920' | |
| Shale and Lime Streaks | 1920' | 1995' | |
| Lime | 1995' | 2460' | |
| Shale | 2460' | 2477' | |
| Lime, Viola | 2477' | 2479' | Top of Viola Lime at 2477'. |
| Cored | 2479' | 2504' | |
| Dolomite w/staining | 2479' | 2489' | |
| Dolomite, Sandy w/good stain | 2489' | 2493.5' | |
| Sand w/Shaley Streaks, saturation and staining | 2493.5' | 2494.5' | |
| Dolomite, Sandy w/stain | 2494.5' | 2499' | |
| Sand, Slightly Shaley w/stain | 2499' | 2504' | Top of Simpson Sand at 2500'. |
| Sand, Simpson | 2504' | 2562' | |
| Red Ped | 2562' | 2564' | 5-1/2" Casing set at 2500'. |
| Total Depth | 2564' | | |

ACIDIZATION RECORD:

Acidized on October 4, 1956 with 1000 gallons 15% acid, through 2" tubing. Tubing flushed with 10 barrels water. Well took acid on vacuum. Casing flushed with 15 barrels water.

Acidized on January 21, 1957 w/150 gals 15% acid dumped down 2" tbg. Well took acid on vacuum. Tbg flushed w/12 barrels water.

Sheet No. 3 of 3 SheetsLease Name M.A. Koogler Well No. 94RECEIVED
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KANSAS WELL LOG BUREAU --- KANSAS GEOLOGICAL SOCIETY

508 EAST MURDOCK - WICHITA, KANSAS

COMPANY Magnolia Petroleum Company

SEC. 21 T. 26S R. 5E

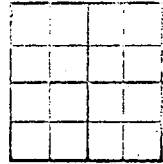
FARM W. A. Koogler

NO. 94

LOC. SE NW NW

COUNTY Butler

KANSAS



TOTAL DEPTH 2564

COMM. 4/22/52

COMP. 5/18/52

SHOT OR TREATED

CONTRACTOR Bud Edwards Drilling Company

ISSUED

CASING

23 10
 15 8 5/8" set @ 102'
 12 6
 13 5 1/2" set @ 2500'

ELEVATION 1313 D.F.

PRODUCTION P 93 BO in 24 hrs.

FIGURES INDICATE BOTTOM OF FORMATIONS

| | |
|--|--------|
| sod & soil | 2 |
| flint gravel | 5 |
| lime | 32 |
| shale | 35 |
| lime | 38 |
| shale | 42 |
| lime | 60 |
| shale | 66 |
| lime | 73 |
| red rock | 80 |
| lime | 270 |
| red rock | 280 |
| lime | 440 |
| lime & shale | 610 |
| lime, shale streaks | 710 |
| shale & lime shells | 885 |
| shale & shells | 1125 |
| shale | 1280 |
| shale & lime shells | 1375 |
| lime, sandy | 1535 |
| shale | 1589 |
| lime | 1920 |
| shale & lime streaks | 1995 |
| lime | 2460 |
| shale | 2477 |
| lime, Viola | 2479 |
| dolomite w/staining | 2489 |
| dolomite, sandy w/good stain | 2493.5 |
| sand w/shaley streaks, saturation & staining | 2494.5 |
| dolomite, sandy w/stain | 2499 |
| sand, slightly shaley w/stain | 2504 |
| sand, Simpson | 2562 |
| Red Bed | 2564 |

Cored 2479-2504

Total Depth 2564

Top Viola 2477
 Simpson 2490

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November 1, 1956

J.T. Rosenberger - El Dorado, Kansas

W.B. Powers - Wichita, Kansas

ACIDIZING REPORT - EL DORADO DISTRICT

Dear Sir:

Please be advised that the well listed below was acidized during the month of October 1956.

M.A. KOOGLER WELL NO. 94

Acidized on October 4, 1956 with 1000 gallons 15% acid, through 2" tubing. Tubing flushed with 10 barrels water. Well took acid on vacuum. Casing flushed with 15 barrels water.

Yours very truly,

District Superintendent

JTR:MMW

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January 31, 1957

J.T. Rosenberger - El Dorado, Kansas

W.B. Powers - Wichita, Kansas

ACIDIZING REPORT - EL DORADO DISTRICT

Dear Sir:

Please be advised that the well listed below was acidized during the month of January 1957.

M.A. KOCHLER WELL NO. 9A

Acidized on January 21, 1957 with 150 gallons 15% acid dumped down 2" tubing. Well took acid on vacuum. Tubing flushed with 12 barrels water.

Yours very truly,

District Superintendent

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Sec. 21-268-52
Butler County, Kansas

RECEIVED
MAY 26 1958

Magnolia Petroleum Company
SUPPLEMENT TO WELL RECORD

DATE **May 20, 1958**
H. K. HOLLAND, JR.
CLASS - 52

LEASE **M. A. Keogler**
STATE **Kansas**
COUNTY OR PARISH **Butler**

REASON FOR WORK
Acidize in an attempt to increase production.

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

APPROPRIATION NO. **None** AMOUNT REQUESTED **\$** APPROXIMATE EXPENDITURE **\$ 550.** ESTIMATED MONTHS TO PAY OUT **1 1/2**

WORK PERFORMED BY **Central Acid Service** DATE WORK COMMENCED **5-1-58** DATE COMPLETED **5-1-58**

PRODUCTION BEFORE
Pump 23 BO & 22 BWPD

POTENTIAL TEST AFTER
Production Test: Pump 41 BO & 53 BWPD

| | | |
|--|---|---------------------------------|
| PREVIOUS T.D. 2564 | P.O.T.D. None | MEASURING POINT Ground level |
| PRESENT T.D. 2564 | P.O.T.D. None | MEASURING POINT Ground level |
| PREVIOUS PRODUCING FORMATION (S) AND DEPTH (D) Perf 2468-87 (Viola) | PRESENT PRODUCING FORMATION (S) AND DEPTH (D) Perf 2468-87 (Viola) | |
| CHANGE (S) IN CASING RECORD | | |

BRIEF SUMMARY OF OPERATIONS
Acidize perf 2468-87 w/750 gal 15% reg thru 2" tbg (hole loaded w/25 BSW), was all the way. Flushed w/20 BSW.

GR/dr
Orig: Dist. Off. Well Log File
cca EID
MVCB
HKH, Jr. ✓
Geol. Dept. - Wichita
File (1200:1)

Original Signed By:
J. T. ROSENBERGER

SEE REVERSE SIDE IF ADDITIONAL SPACE IS NEEDED

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Magnolia Petroleum Company
SUPPLEMENT TO WELL RECORD

X-5070

DATE November 2, 1959

| | | |
|-------------------------------|-----------------------|------------------------------|
| LEASE A. A. Koogler | WELL NO. 24 | DISTRICT base - 52 |
| STATE | COUNTY OR PARISH | |

REASON FOR WORK
Acidise present prod zone in an attempt to increase production.

WORK OVER
 CLEAN OUT
 RECOMPLETION
 DRILL DEEPER
 REDRILL
 ABANDONMENT

| | | | |
|--------------------------------|------------------------------------|---------------------------------------|--|
| WELL OR DV. NO. None | AMOUNT REQUESTED \$ None | APPROXIMATE EXPENDITURE 265 | ESTIMATED MONTHS TO PAY OUT No pay out |
|--------------------------------|------------------------------------|---------------------------------------|--|

| | | |
|--|---------------------------------------|----------------------------------|
| WORK PERFORMED BY Acid Engineers | DATE WORK COMMENCED 3-28-59 | DATE COMPLETED 3-28-59 |
|--|---------------------------------------|----------------------------------|

PRODUCTION BEFORE
Pump 6 BO + 30 BW 24 hrs

POTENTIAL TEST AFTER
Production Test: Pump 6 BO + 30 BW 24 hrs.

| | | |
|------------------------------|--|---------------------------------------|
| PREVIOUS T.D. 2561 | P.B.T.D. 2437 (Laker Decker) | MEASURING POINT round level |
|------------------------------|--|---------------------------------------|

| | | |
|-----------------------------|--|---------------------------------------|
| PRESENT T.D. 2561 | P.B.T.D. 2437 (Laker Decker) | MEASURING POINT round level |
|-----------------------------|--|---------------------------------------|

| | |
|---|--|
| PREVIOUS PRODUCING FORMATION (S) AND DEPTH (S) Ft 2463-37 (Viola) | PRESENT PRODUCING FORMATION (S) AND DEPTH (S) Ft 2463-37 (Viola) |
|---|--|

CHANGE (S) IN CASING RECORD
None

SUMMARY OF OPERATIONS
Treat of 2463-37 w/500 gal 15% reg acid, treat across of all the wa., rate 3 gal, flush w/30 BW.

W/hw
 Orig well file (1200.1)
 cc: Asst Mgr of Prod Division
 Geol Dept - Wichita
 J. Berl

USE REVERSE SIDE IF ADDITIONAL SPACE IS NEEDED

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805

21-268-58

(7-59)

Sec. 21-268-58
Butler County, Kansas

Magnolia Petroleum Company
SUPPLEMENT TO WELL RECORD

X-5070

DATE November 2, 1959

| | | |
|-------------------------------|-----------------------|------------------------------|
| LEASE M. A. Koogler | WELL NO. 24 | DISTRICT Case - 52 |
|-------------------------------|-----------------------|------------------------------|

| | |
|-------|------------------|
| STATE | COUNTY OR PARISH |
|-------|------------------|

REASON FOR WORK
Drill pkr, c/o to 253, prod from present pf & op hole.

- WORK OVER
- CLEAN OUT
- RECOMPLETION
- DRILL DEEPER
- REDRILL
- ABANDONMENT

| | | | |
|-------------------------------|------------------------------------|--|---|
| AFE OR DV. NO. None | AMOUNT REQUESTED \$ None | APPROXIMATE EXPENDITURE \$ 500 | ESTIMATED MONTHS TO PAY OUT 1/5 |
|-------------------------------|------------------------------------|--|---|

| | | |
|--|--|-----------------------------------|
| WORK PERFORMED BY White & Ellis Drilling Co. | DATE WORK COMMENCED 10-23-59 | DATE COMPLETED 10-23-59 |
|--|--|-----------------------------------|

PRODUCTION BEFORE
Pump 6 BO + 20 BW 2h hrs

POTENTIAL TEST AFTER
Production test dated 10-29-59: Pump 43 BO + 43 BW 2h hrs

| | | |
|------------------------------|---|--|
| PREVIOUS T.D. 2564 | P. B. T. D. 2437 (Baker Facker) | MEASURING POINT Ground Level |
|------------------------------|---|--|

| | | |
|-----------------------------|----------------------------|--|
| PRESENT T.D. 2564 | P. B. T. D. None | MEASURING POINT Ground Level |
|-----------------------------|----------------------------|--|

| | |
|---|--|
| PREVIOUS PRODUCING FORMATION (S) AND DEPTH (S) Pf 2468-87 (Viola) | PRESENT PRODUCING FORMATION (S) AND DEPTH (S) Pf 2468-87 (Viola) & op hole 2500-64 (31st 10) |
|---|--|

CHANGE (S) IN CASING RECORD
None

SUMMARY OF OPERATIONS
rove baker pkr 2437' to 2518'; drld pkr c/o to 253; ran the rods

1/2 in

Drill well file (1200.1)

cc: Man'l apt of rod

Asst mgr of rod

Division

col opt - Wichita

J. berl

USE REVERSE SIDE IF ADDITIONAL SPACE IS NEEDED

C. O. TURNER

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WICHITA, KS

Mobil Oil Company
SUPPLEMENT TO WELL RECORD

OCT 26 1961

X-8070

DATE

| | | | | |
|--|-----------------------------------|----------------------------|---|--|
| LEASE M. A. Koogler | WELL NO. 94 | DISTRICT Wichita | DIVISION Denver | WATER SUP. _____ |
| STATE Kansas | COUNTY OR PARISH Butler | | <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> CLEAN OUT <input type="checkbox"/> RECOMPLETION <input type="checkbox"/> DRILL DEEPER <input type="checkbox"/> REDRILL <input type="checkbox"/> ABANDONMENT | SAFETY SUP. _____ |
| REASON FOR WORK Attempt to increase production | | | | <input checked="" type="checkbox"/> OFF MGR. <i>KL</i> <input checked="" type="checkbox"/> GROUP SUP. <i>JK</i> <input type="checkbox"/> FILE AFTER DESIGNATED ROUTINE IS COMPLETED |

| | | | |
|-------------------|----------------------------|-----------------------------------|--|
| APPROPRIATION NO. | AMOUNT REQUESTED \$ 150 | APPROXIMATE EXPENDITURE \$ 130 | ESTIMATED MONTHS TO PAY OUT 2 Months |
|-------------------|----------------------------|-----------------------------------|--|

| | | |
|---|---------------------------------------|----------------------------------|
| WORK PERFORMED BY Company equipment and men | DATE WORK COMMENCED 9-18-61 | DATE COMPLETED 9-18-61 |
|---|---------------------------------------|----------------------------------|

PRODUCTION BEFORE
20 BOPD and 40 BWPD

POTENTIAL TEST AFTER
22 BOPD and 48 BWPD

| | | |
|-------------------------------|-------------------------|---|
| PREVIOUS T.D. 2564' | P.S.T.D. None | MEASURING POINT 2' above G.L. |
| PRESENT T.D. 2564' | P.S.T.D. None | MEASURING POINT 2' above G.L. |

| | |
|--|---|
| PREVIOUS PRODUCING FORMATION (S) AND DEPTH (S) Viola-Simpson Perf. 2468'-87' | PRESENT PRODUCING FORMATION (S) AND DEPTH (S) Viola-Simpson Perf. 2468'-87' |
|--|---|

CHANGE (S) IN CASING RECORD
None

SUMMARY OF OPERATIONS
Dumped 300 Gal. Acetic Acid down Casing

Orig: District Office Well Record ✓
 cc: Div. Oper. Supt.
 E & P Acctg. Dept.
 Area Supervisor

USE REVERSE SIDE IF ADDITIONAL SPACE IS NEEDED

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Mobil Oil Company
SUPPLEMENT TO WELL RECORD

cc: 2700
E.S. Wald
V.C. Kilpa

X-5070

DATE 5-1

LEASE M.A. ROUGLER WELL NO. 94 DISTRICT WICHITA DIVIS 1

STATE KANSAS COUNTY OR PARISH FRANKLIN

REASON FOR WORK
CLEANOUT AND REPAIR
TO INCREASE PRODUCTION (cleanout)

APPROPRIATION NO. NONE AMOUNT REQUESTED \$ NONE APPROXIMATE EXPENDITURE \$ 0 ESTIMATED MONTHS TO PAY OUT 1

WORK PERFORMED BY WHITE & ELLIS DRILLING CO & COMPANY DATE WORK COMMENCED 4-20-53

PRODUCTION BEFORE 19 BOPD AND 110 BUWPD

POTENTIAL TEST AFTER 25 BOPD AND 163 BUWPD

PREVIOUS T.D. 2564' P.B.T.D. 2564' MEASURING POINT WELL BUI

PRESENT T.D. 2570' P.B.T.D. 2570' MEASURING POINT CASING HE

PREVIOUS PRODUCING FORMATION (S) AND DEPTH (S) VIOLA PERM. 28-57' SIMPSON 2550-58' PRESENT PRODUCING FORMATION (S) AND DEPTH (S) VIOLA 2528-87' SIMPSON 2500-58' ARB

CHANGE IN CASING RECORD ARBUCKLE IN HOLE 2562-64' 2562-40'

NO CHANGE IN CASING RECORD

SUMMARY OF OPERATIONS

Moved pipe tools and casing. Cleaned 2564' and drilled to 2570' TD. CH. with some Simpson sand. Ran tubing and mottled 250 gal. with 10% cement slurry. Set Arbutle. Allowed cement to set 18 hr. and retest.

WGA

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Mobil Oil Company
SUPPLEMENT TO WELL RECORD

X-5070

DATE 8-6

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|------------------------|----------------|---------------------|-----------|
| LEASE M. A. Koogler | WELL NO. 94 | DISTRICT Wichita | DIVI D |
|------------------------|----------------|---------------------|-----------|

| | | |
|-----------------|----------------------------|--------------------------|
| STATE Kansas | COUNTY OR PARISH Butler | <input type="checkbox"/> |
|-----------------|----------------------------|--------------------------|

REASON FOR WORK
 Increase Arbuckle Production.

| | | | |
|------------------------------------|-------------------------------|--------------------------------------|----------------------------------|
| APPROPRIATION NO. DV 2013 A,B,C | AMOUNT REQUESTED \$ 23,000 | APPROXIMATE EXPENDITURE \$ 23,000 | ESTIMATED MONTHS TO PAY OUT 1 |
|------------------------------------|-------------------------------|--------------------------------------|----------------------------------|

| | |
|---|-------------------------------|
| WORK PERFORMED BY White & Ellis Drilling Co. | DATE WORK COMMENCE 4-21-63 |
|---|-------------------------------|

PRODUCTION BEFORE
 25 BOPD & 163 BWPD

POTENTIAL TEST AFTER
 40 BOPD & 568 BSWPD

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| | | |
|------------------------|------------------|----------------------------|
| PREVIOUS T.D. 2564' | P.B.T.D. 2564 | MEASURING POINT KB (KB) |
|------------------------|------------------|----------------------------|

| | | |
|-----------------------|-------------------|----------------------------|
| PRESENT T.D. 2624' | P.B.T.D. 2560' | MEASURING POINT KB (KB) |
|-----------------------|-------------------|----------------------------|

| | |
|---|--|
| PREVIOUS PRODUCING FORMATION (S) AND DEPTH (S) Viola Perf @ 2463-97 Strip OH 2500-64 | PRESENT PRODUCING FORMATION (S) AND DI AEB, Perf 2550-60, 90° cut 90° cut in Viola. 2553 |
|---|--|

CHANGE (S) IN CASING RECORD
~~5 1/2" - 1 1/4" csg. @ 2500'~~

Run 161' - 4" CD Hydril liner, top set @ 2463' bottom @ 2624'

SUMMARY OF OPERATIONS

Moved in Cable Tools, scaled 5 1/2" csg. from surf. to 2500'. Cleaned 2500-64'. Drilled new hole from 2564' to 2570' released rig, ran tul gal. 15 % acid w/ 10 N, 67 Bbls. to load & flush. Ran rods & PCP. P

Moved In Cable Tools, reamed hole from 2512-30', cleaned out 2565-70 2570 - 2624'. Ran 161'- 4" CD Hydril liner, shoe & pkr. set @ 2463 14.8 slurry behind liner @ 800#, one sx. washed out. Ran Hal. meas

Ran 3 1/8" rotary bit on 2 3/8" tub, drilled out contaminated cemer from 2603 - 20' lost some Wtr. while circulating. Pulled tub. Ran 5 on 2 3/8" tub. to test & squeeze top of 4" CD liner. RTTS tool set tail pipe. Squeezed top of liner w/ 50 sx. common cement w/.6 of 1 % Squeeze pressure 1000#

Filled hole & pressured 5 1/2" csg. @ 500#, O.K. Checked hole w/ 2 1/2" bailer
Succeeded @ 2460'. Ran 3 1/8" bit on tub & drilled cement from 2460-2500' & 2 or 3
small bridges to 2620'. Pulled tub. bailed hole dry. Ran Campa ray & collar log.
Perf, 4" CD liner from 2615-18' w/ 4 jet holes per ft. Swabbed fluid used to cushion shot.
Tested w/ 2 1/2" bailer, bailed 1/2 Bbl S.W. & very small show oil per Hr. Tested
Perf 2615-18 w/ 500 gal. reg acid & 3 gal. 10 N down csg. would not take @ 700# pres.
Ran 4" Baker RT 1 pkr. on tub & set @ 2605' Acid w/ 500 gal reg. w/ 3 gal 10 N. Max pres. 1200
Min pres. 600 # Avg. 700 #, Rate 1/4 Bbl per min. Swabbed 65 BOLO & 12 Bbl. acid wtr.
Tested 4 hrs. 9 BSW per Hr., No Oil. Ran 4" RT 8 pkr. set @ 2605' Squeeze Perfs.
2 1/2" w/ 50 sx. @ 1500# 35 sx. in form. washed out 15 sx. Pulled tub. & pkr. Bailed hole
Perf. P. D. 2612' Perf. 2602-10' w/ 4 jet shots per ft. Tested 4 gal SW per hr. slight
show oil. Attempted to acid down csg w/ 500 gal. 15% reg acid w/ 3 gal 10 N added,
would not go @ 700#. Ran 2" tub. w/ Baker Model C pkr. set @ 2506'. Acidized w/ Max pres.
1500#, Min. & treat. pres. 1300#, Pump shut down w/ 100# to 400# in 5 minutes, zero in 45.
Inj rate 1/2 Bbl per. min. 65 bbl. load used to load & flush. Pulled tub. & pkr. swabbed
all load back in 3 Hrs. Tested 3 Hrs. 1 1/2 Bbl SW & no oil. Ran 2" tub w/ Baker Model c pkr
set @ 2506' Acid w/ 1000 gal 15 % w/ 10 N added. Max pres 1500#, Min. & treat pres 1250#.
Inj rate 3 BPM, Pump shut down 750# to 500# in 4 minutes, zero in 20 min. 65 Bbls. to
load & flush. Swabbed 65 BO & 5 BAW in 2 Hrs. Swab 3 BAW & no oil per Hr. Ran 4" baker RT 3
pkr. on 2" tub. set @ 2590' & squeeze perfs. 2602-10' w/ 35 sx com. cem. salt sat.
Squeeze pres. 1500#, 27 sx in form. 8 sx ret. Pulled tub & pkr. Perf 2550-70' w/ 4
jet holes per ft. Test w/ bailer bailed 1/2 bbl SW per hr. no oil. Treated perf.
down csg w/ 500 gal 15 % acid w/ 10 N @ 750# pres. Inj rate 1/4 Bbl per min. to zero in
25 min. 65 BO to load & flush. Swab load in 2 1/2 hrs. Test 4 hrs 1 1/2 BO & 6 BSW pr hr.
Ran Baker Model C on 2" tub, treat w/ 1000 gal 15 % gel acid w/ 5 gal 10N Max 1700#
Min 1500# @ 2 BPM, Pump SD @ 1000# to 400 in 15 min. zero in 45 min. Pulled tub & pkr.
66 BLO to load & flush. Swabbed 66 BLO & 24 BAW in 7 hrs. Tested 1 1/2 BO & 2 1/2 BW per h
Ran Baker Model C pkr. on 2" tub & set @ 2535' Acid perf. 2550-70 w/ 10000 gal 15 %
w/ 10N Max pres 1700# Min 1600# Inj rate 4 BPM Pump SD @ 900# to 0 in 17 min. 13 BO to
flush. Swabbed all load back in 6 hrs. (13 BO & 24 BAW). Tested 6hrs w/ 2" swab 1 1/4 BO
& 2 3/4 BW per hr.
Ran tub w/ 4" Baker Model c pkr set @ 2487' Treat Arb. perfs. w/ 15000 gal 1se oil &
13500# sand Max pres 4950# Min 4450# Avg 4800#, Avg inj rate 19.2 BPM. Pump SD 1100# to
600# in 5 min. 0 in 2 hrs. 455 BO to treat & flush. Pull tub & pkr. run tub & rds POP
Pump 30 BO & 114 BSW / 24 hrs. Pulled rds & std vlv. washed frac sd from 2570-89'
Ran frac tracer survey Radio active mtl. 2523-45' (shale) & 2552-65' (Arb) NO radio active
mtl. higher than 2523'. Ran rds POP. Pump rate 557 BPPD.
Pull rds. & tub. Dumped Hydromite from 2589 to 2557' PBTD 2557'. Run rds. & tub POP.
Pull rds & tub. Run 4" baker RT 8 pkr on tub. & set @ 2540' DOC squeeze perf. 2550-57'
w/ 50 sx Pumped in @ 1200# no staging necessary. 15 sx in form 35 sx returned. Pull
rds & tub WCC. Ran wire line to 2557'. Run tub w/ jet on bottom. made 2 90 degree
cuts in 4" CD liner 2550 & 2553'. Pull tub & jet gun. Run Baker Model C pkr on tub
& set @ 2534' acid on tub w/ 1000 gal 15 % reg. Max 2000# Min 400# Inj rate 2 1/2 BPM
Pump dwn @ 400 #, 0 in 8 min. 61 BO to load & flush. Pull tub & pkr. Ran tub & rds POP.
Pump rate 117 BO & 478 BSW per day. Full test 40 BO & 568 BSWPD.
PBTD corrected to 2560 due to loss of 3 ft. hydromite in sand jetting 4" liner.

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