SIDE ONE

# STATE CORPORATION COMMISSION OF KANSAS
# OIL & GAS CONSERVATION DIVISION

## WELL COMPLETION OR RECOMPLETION FORM
## ACO-1 WELL HISTORY

### DESCRIPTION OF WELL AND LEASE

**Operator:** license # 8759
name Mack Energy Co.
address P. O. Box 400
Duncan, OK 73534
City/State/Zip

**Operator Contact Person** O. D. Mellott
Phone (316) 793-8721

**Contractor:** license # 5146
name Rains & Williamson Oil Co., Inc.

**Wellsite Geologist** Tim Hanson
Phone (316) 262-2688
**PURCHASER**

Designate **Type of Completion**
[X] New Well [ ] Re-Entry [ ] Workover

[ ] Oil [X] SWD [ ] Temp Abd
[ ] Gas [ ] Inj [ ] Delayed Comp.
[ ] Dry [ ] Other (Core, Water Supply etc.)

If **OWWO:** old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

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**API NO.** 15 - 191-21,738

County Sumner

NE SE NW (location) Sec 6 Twp 34S Rge 4 W XX

3630 Ft North from Southeast Corner of Sect
2970 Ft West from Southeast Corner of Sect
(Note: locate well in section plat below)

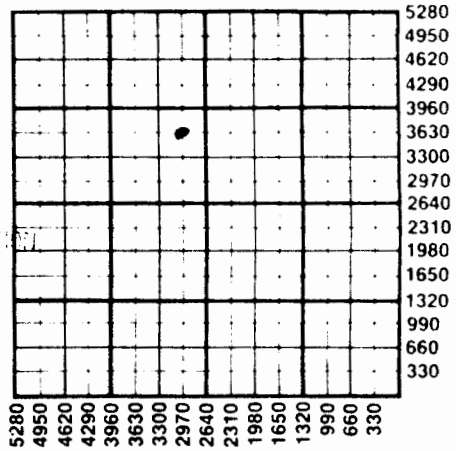
**Lease Name** Misak Well# 2

Field Name Gerberding

Producing Formation

Elevation: Ground 1243' KB 1252'

Section Plat




### WELL HISTORY

Drilling Method: [X] Mud Rotary [ ] Air Rotary [ ] Cable

| 9-18-84 | 10-5-84 | 11-20-84 |
|---|---|---|
| Spud Date | Date Reached TD | Completion Date |
| 5300' | | |
| Total Depth | PBTD | |

Amt of Surface Pipe Set and Cemented at 243' feet

Multiple Stage Cementing Collar Used? [ ] Yes [ ] No

If Yes, Show Depth Set feet

If alternate 2 completion, cement circulated
from feet depth to w/ SX cmt

### X WATER SUPPLY INFORMATION

Source of Water:

Division of Water Resources Permit #

[ ] Groundwater Ft North From Southeast Corner
(Well) Ft. West From Southeast Corner
Sec Twp Rge [ ] East [ ] West

[ ] Surface Water Ft North From Southeast Corner
(Stream, Pond etc.) Ft West From Southeast Corner
Sec Twp Rge [ ] East [ ] West

[ ] Other (explain)
(purchased from city, R.W.D.#)

Disposition of Produced Water: [ ] Disposal [ ] Repressuring

Docket #

**INSTRUCTIONS:** This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rules 82-3-130 and 82-3-107 apply.

Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months.

One copy of all wireline logs and drillers time log shall be attached with this form. Submit CP-4 form with all plugged wells. Submit CP-111 form with

SIDE TWO

Operator Name Mack Energy Co. Lease Name Misak Well# 2 SEC 6 TWP 34S RGE 4 ☐ East ☒ West

## WELL LOG

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached stabilized level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

| | | |
|---|---|---|
| Drill Stem Tests Taken | ☒ Yes | ☐ No |
| Samples Sent to Geological Survey | ☐ Yes | ☒ No |
| Cores Taken | ☐ Yes | ☒ No |

DST #1 Mississippi 4316' to 4359'
15" 30" 30" 60"
Flow pressure 600-620, SI pressure 1785-1775,
Hydrostatic pressure 2195-2145.
Strong blow throughout,
Gas to surface - 3 minutes,
1.6 million cubic ft.
Recovered 620' muddy water, CL 28,000.

DST #2 Simpson 4720-4739'
Misrun due to packer failure.

DST #3 Simpson 4734-4739'
Misrun.

**Formation Description** ☒ Log ☐ Sample

| Name | Top | Bottom |
|---|---|---|
| Stalnaker | 3382' | -2130' |
| Kansas City | 3630' | -2378' |
| Base of Kansas City | 3870' | -2618' |
| Mississippi | 4325' | -3073' |
| Mississippi Porosity | 3352' | -3100' |
| Kinderhook | 4656' | -3404' |
| Simpson | 3735' | -3483' |
| Arbuckle | 4928' | -3676' |
| DTD | 5300' | |
| LTD | 5305' | |

**TUBING RECORD** size 2 3/8" set at 4814' R-4 packer at 4814' | Liner Run ☐ Yes ☒ No

| Date of First Production | Producing method ☐ flowing ☐ pumping ☐ gas lift ☐ Other (explain) | | | |
|---|---|---|---|---|
| | Oil | Gas | Water | Gas-Oil Ratio / Gravity |
| Estimated Production Per 24 Hours | Bbls | MCF | Bbls | CFPB |

**METHOD OF COMPLETION** ☒ open hole ☐ perforation ☐ other (specify)

**PRODUCTION INTERVAL**

Disposition of gas: ☐ vented ☐ sold

Completed as Salt Water Disposal Well
in Arbuckle zone.

**CASING RECORD** ☒ new ☐ used
Report all strings set - conductor, surface, intermediate, production, etc.

| Purpose of string | size hole drilled | size casing set (in O.D.) | weight lbs/ft. | setting depth | type of cement | # sacks used | type and percent additives |
|---|---|---|---|---|---|---|---|
| Surface | 12¼" | 10 3/4" | 40½# | 243' | Class A | 200 sx. | 2% gel, 3%cc |
| Production | | 7" | 23 & 20 | 4934' | 50/50 poz. | 200 sx. | 3/4% CFR2, 1 salt, 10# gi |
| | | | | | | | |
| | | | | | | | |

**PERFORATION RECORD**

| shots per foot | specify footage of each interval perforated | Acid, Fracture, Shot, Cement Squeeze Record (amount and kind of material used) | Depth |
|---|---|---|---|
| 4 | Simpson 4740'-4742' | 250 gals FE acid & Morflow, 6000 gals Gel Simpson SW & 132000 SCF N2, 25 sx. reg. s | 4740-42 |
| | Squeezed off | 100 sx. common cement | |
| Open hole | Arbuckle 4928'-5305' | 1500 gals 15% acid | 5305' |
| | | 1000 gals FE acid | |

8'

# DRILLER'S LOG

COMPANY: Mack Energy Co.

SEC. 6 T. 34S R. 4W

LOC. NE SE NW

WELL NAME: Misak #2

COUNTY: Sumner

RIG NO. #3

TOTAL DEPTH 5300'

ELEVATION

COMMENCED: 9-18-84 COMPLETED: 10-6-84

CONTRACTOR: Rains & Williamson Oil Co., Inc.

CASING RECORD:

SURFACE: 10 3/4" @ 243' w/200 sx. Class A, 2% gel, 3% cc.

PRODUCTION: 7" @ 4934' w/200 sx. 50/50 poz., 3/4% CFR2, 18% salt, 10# gilsonite.

## LOG

**(Figures Indicate Bottom of Formations)**

| | |
|---|---|
| Lime | 5300 |
| ROTARY TOTAL DEPTH | 5300 |

DEC 17 1984

STATE OF Kansas )
SS:
COUNTY OF Sedgwick )