

FORM MUST BE TYPED

SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 5663Name: Hess Oil CompanyAddress P.O. Box 1009City/State/Zip McPherson, KS 67460

Purchaser: _____

Operator Contact Person: Bryan HessPhone (316) 241-4640Contractor: Name: Murfin Drilling Co., Inc.License: 30606Wellsite Geologist: James C. HessDesignate Type of Completion
☒ New Well ☐ Re-Entry ☐ Workover

☐ Oil ☐ SWD ☐ SIOW ☐ Temp. Abd.
☐ Gas ☐ ENHR ☐ SIGW
☒ Dry ☐ Other (Core, WSW, Expl., Cathodic, etc.)

If Workover/Re-Entry: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

☐ Deepening ☐ Re-perf. ☐ Conv. to Inj/SWD
☐ Plug Back ☐ PSTD
☐ Commingled ☐ Docket No. _____
☐ Dual Completion ☐ Docket No. _____
☐ Other (SWD or Inj?) ☐ Docket No. _____

11-6-92 11-15-92 8-14-93
Spud Date Date Reached TD Completion Date

API NO. 15- 051-24,818
County Ellis
Appx. N2 - N2 - NW Sec. 13 Twp. 11 Rge. 20 ☒ X ☐ W

500 Feet from ☒ (circle one) Line of Section1440 Feet from ☒ (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:
NE, SE, ☒ NW or SW (circle one)Lease Name Mixer Well # 2

Field Name _____

Producing Formation _____

Elevation: Ground 2000' KB 2005'Total Depth 3680' PSTD _____Amount of Surface Pipe Set and Cemented at 209 FeetMultiple Stage Cementing Collar Used? ☒ Yes ☐ NoIf yes, show depth set 1392 Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sy cmc.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)Chloride content 30,000 ppm Fluid volume 80 bblsDewatering method used used steel mud tank

Location of fluid disposal if hauled offsite:

Hauled mud to reserve pit located as follows:

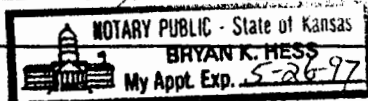
Operator Name Hess Oil CompanyLease Name Schonthaler License No. 5663SW Quarter Sec. 13 Twp. 11 S Rng. 20 ☒ NECounty Ellis Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 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 geologist well report shall be attached with this form. **MUST BE ATTACHED.** Submit CP-4 form with all plugged wells. Submit CP-111 form with all recompletion wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been complied with and the statements herein are complete and correct to the best of my knowledge.

Signature James H. HessTitle James H. Hess, Vice President Date 8/17/93Subscribed and sworn to before me this 17 day of August, 19 93.Notary Public Bryan K. Hess

Date Commission Expires _____



K.C.C. OFFICE USE ONLY		
F	Letter of Confidentiality Attached	
C	☒ Wireline Log Received	
C	☐ Geologist Report Received	
Distribution		
☒ KCC	☐ SWD/Rep	☒ NEPA
☒ KGS	☐ Plug	☐ Other (Specify)

WOL-11-E

90276

SIDE TWO

Operator Name Hess Oil Company Lease Name Mixer Well # 2
County Ellis
Sec. 13 Twp. 11 Rge. 20 ☐ East ☒ West

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 static 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
(Attach Additional Sheets.)

Samples Sent to Geological Survey ☒ Yes ☐ No

Cores Taken ☐ Yes ☒ No

Electric Log Run ☒ Yes ☐ No
(Submit Copy.)

List All E.Logs Run:

Dual Induction
Dual Compensated Porosity

☐ Log Formation (Top), Depth and Datum ☐ Sample

Name Top Datum

(see attached)

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
Conductor	19"	13-3/8"	48#	39'	standard	100	3% cc
Surface	12-1/4"	8-5/8"		209'	60/40 Poz	135	2%gel, 3%cc
Production	7-7/8"	5-1/2"	15.5#	3497'	EA-2	200	

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
☐ Perforate				
☐ Protect Casing				
☐ Plug Back TD				
☐ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
	(see attached)		

TUBING RECORD	Size	Set At	Packer At	Liner Run	☐ Yes ☐ No
Date of First, Resumed Production, SWD or Inj.				Producing Method	☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain)
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas:

☐ Vented ☐ Sold ☐ Used on Lease
(If vented, submit ACO-18.)

METHOD OF COMPLETION

☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled
☐ Other (Specify) _____

Production Interval

Hess Oil Company

Mixer #2

Approx. N/2 N/2 NW/4 Section 13-11-20W
Ellis County, Kansas

FORMATION SAMPLE TOPS

Anhydrite	1398'	+607
Base Anhydrite	1443	+562
Topeka	3037	-1032
Heebner	3258	-1253
Lansing	3297	-1292
Muncie Creek	3418	-1413
Base Kansas City	3518	-1513
Marmaton	3548	-1543
Arbuckle	3625	-1620
RTD	3680	-1675

DST #1: 3188'-3220'. Times 30-30-10-0. Weak blow died in 20 min. Recovered 15' Mud with a few oil spots. IH 1634#, IF 47-47, ISI 916, FF 57-57, FSI ---, FH 1624. Tmp 102.

DST #2: Misrun. Hit bridge @ 2988'.

DST #3: 3290'-3360'. Times 60-45-60-45. Strong blow. Recovered 183' Mud, 549' too small to measure, 366' OCWM. (5% Oil, 15% Wtr, 80% Mud), 305' OCWM. (5% Oil, 25% Wtr, 70% Mud), 122' OCWM 5% Oil, 30% Wtr, 65% Mud), 549' OCW (5% Oil 95% Wtr). IH 1624, IF 496-887, ISI 1270, FF 954-1059, FSI 1212, FH 1595. Tmp 104.

DST #4: 3376'-3400'. Times 60-45-60-45. 1st open fair blow bottom of bucket in 20 min., 2nd open 3-1/2" blow. Recovered 305' saltwater with oil spots on top. IH 1635, IF 52-84, ISI 954, FF 105-137, FSI 881, FH 1625. Tmp 104.

DST #5: 3410'-3470'. Times 45-30-45-30. 1st open weak blow, 2nd open died in 25 min. Recovered 50' Mud with oil spots. IH 1739, IF 66-66, ISI 830, FF 76-76, FSI 830, FH 1729. Tmp 104.

DST #6: 3302'-3342'. Times 60-45-60-45. 1st open strong blow, 2nd open, fair to strong blow. Recovered 213' Free Oil, 244' OCWM (25% Oil, 25% Wtr, 50% Mud), 122' OCWM (30% Oil, 35% Wtr, 35% Mud), 183' OCMW (5% Oil, 70% Wtr, 25% Mud), 122' OCW (2% Oil, 98% Wtr), 7200' SW. IH 1681, IF 152-419, ISI 667, FF 496-543, FSI 667, FH 1624. Tmp 103.

PERFORATION AND ACID RECORD

1. Perf. 3467'-3469' and acidized with 300 gal. 15% MCA (no oil show).
2. Set bridge plug @ 3450', perf. 3346'-3348', and acidized with 300 gal. 15% MCA (swabbed 19 gal. 95% oil).
3. Perf. 3331'- 3334' and acidized with 500 gal 15% MCA, & 500 gal. 15% HCl & 2,500 gal. 15% HCl (swabbed 21 bbl/half hr., 64% oil).
4. Pump tested from 12-11-92 until 8-2-93. Production declined from approx. 10 bbl oil/day to 3.5 bbl oil/day (29 grav.), with 37 bbl water/day (determined to be non-economical).
5. Set bridge plug @ 3340' and acidized top zone with 300 gal. 15% HCl. Went on vacuum. Fluid was 60' from bottom (no bottom hole pressure).
6. Plugged on 8-14-93 - recovered 2195' of 5-1/2" casing.

RECEIVED
STATE CORPORATION COMMISSION
AUG 18 1993
CONSERVATION DIVISION
Wichita, Kansas