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16-35-4W
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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 # 4494
Name Clifford Resources, Inc.
Address 630 N.E. 63rd Street
City/State/Zip Okla. City, OK 73105

Purchaser Mid-Plains Petro Co

Operator Contact Person Dan Reineke
Phone 405-840-1418

Contractor: License # 6333
Name DaMac Drilling Co

Wellsite Geologist Dan Bouknight
Phone 405-840-1418

Designate Type of Completion
 New Well Re-Entry Workover
 Oil 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

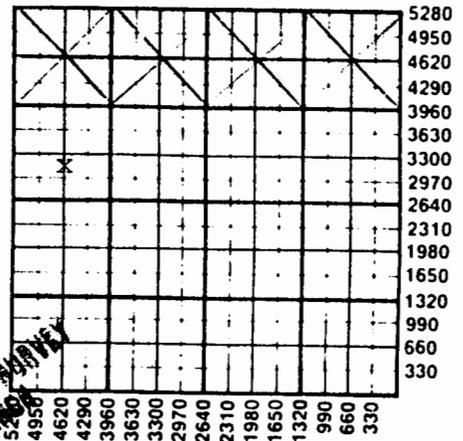
WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
3-17-86 3-28-86 5-7-86
Spud Date Date Reached TD Completion Date
5230' PBTD
Total Depth

Amount of Surface Pipe Set and Cemented at 289 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

API NO. 15-191-21,932
County Sumner
C SW NW Sec. 16 Twp 35S Rge. 4
Irregular Section
3207 Ft North from Southeast Corner of Section
4620 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)
Lease Name Esther Well # 1-16
Field Name Hula
Producing Formation Simpson
Elevation: Ground 1200' KB 1210'

Section Plat



JUN 9 8 1986
KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal Repressuring
Docket #

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit #
 Groundwater...Ft North from Southeast Corner (Well) ...Ft West from Southeast Corner of 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. #)

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. Rule 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 all temporarily abandoned wells.

Operator Name Clifford Resources, Inc. Lease Name Esther Well # 1-16

Sec. 16 Twp. 35S Rge. 4 East West County Sumner

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 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
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

Name	Top	Bottom
Simpson	5100'	
Mississippi	4618'	

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> 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	12-1/2"	8-5/8"	23#	289'	lite CLH	185	3% CaCl ₂ 2% Gel
Production	7-7/8"	4-1/2"	10.5#	5228'	50-50 poz	400	Cl H 10 salt 3# Hiseal
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)			
Shots Per Foot	Specify Footage of Each Interval Perforated						Depth
4 SPF	5108' - 5110'			2000 gal 7-1/2% HCL 6000 BBL water, 95,000 sand			
1 SPF	4848' - 5000'			3000 gal 15% HCL, 85 ball sealers, 56 holes.			
TUBING RECORD				Liner Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Size 2-3/8"		Set At 4738'		Packer at 5071'			
Date of First Production		Producing Method					
May 7, 1986		<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....					