

SIDE ONE

15-095-10015-0000

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 # 5447
Name Cities Service Oil & Gas Corp.
Address 3545 N.W. 58th Street
City/State/Zip Okla. City, Okla. 73112

Purchaser: Oil: Texaco Inc.
Gas: Kansas Power & Light Co.

Operator Contact Person Raymond Hui
Phone (405) 949-4400

Contractor: License # N.A.
Name Lohmann & Johnson Drilg Co.

Wellsite Geologist: N.A.
Phone

Designate Type of Completion Oil well - N.A.
 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

1-27-60 2-12-60 3-11-60
Spud Date Date Reached TD Completion Date
4333' 4317'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 408 feet
Multiple Stage Cementing Coilar 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- None

County Kingman

Sec 18 Twp 30 Rge 8 East West

3630 Ft North from Southeast Corner of Section
3630 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

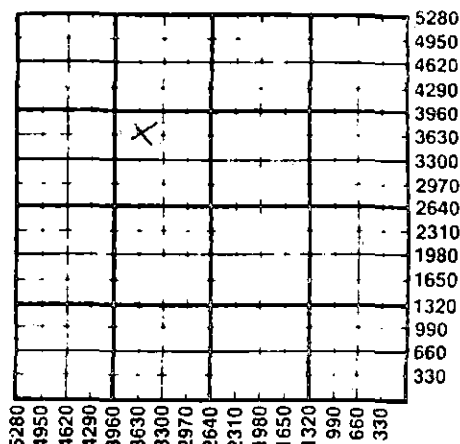
Lease Name Messenger B Well # 4

Field Name Spivey-Grabs

Producing Formation Mississippi DF

Elevation: Ground 1584' xx 1587

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # Edmiston Oil Co's Repressuring
Nichols Salt Water System

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
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.

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

Signature D. G. Oliver
Title Engineering Manager Date 12-12-85

Subscribed and sworn to before me this 12 day of December 1985
Notary Public Debra Jo Nowell
Date Commission Expires 4-24-89

K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Drillers Time Log Received
Distribution
 KCR SWD/Rep NGPA
 KGS Plug Other (Specify)

STATE CORPORATION COMMISSION
Form ACO-1 (7-84)
DEC 19 1985
12-19-85
CONSERVATION DIVISION

18 wp 3 Rge 8 W

Operator Name Cities Service Oil & Gas Corporation Lease Name Messenger B Well # 4

Sec. 18 Twp. 30S Rge. 8 East West County Kingman

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

DST #1 4205-33' Open 1 hour, gas 1 1/2 min., ISIP 1575#/30min., IFP 340#, FFP 318#, FSIP 1545/30 min., Rec. 60' muddy gassy cond. DST #2 4233-53' Open 1 hr., gas 2 1/2 min., ISIP 1575#/30 min. IFP 100#, FFP 100#, FFP 115#, FSIP 1515#/30 min. Rec. 110' OM, 40' MSW.
 DST #3 4253-68' Open 1 hr., no gas, ISIP 1338#/30 min. IFP 42#, FFP 55#, FSIP 1180#/30 min. Rec. 140' mud w/few spots oil and 40' MSW.
 DST #4 4268-78' Open 1 hr., no gas, ISIP 1558#/30 min. IFP 32#, FFP 32#, FSIP 1470#/30 min. Rec. 60' mud w/tr. oil in bottom 30'.
 DST #5 4278-88' Open 1 hr., gas in 21 min., TSTM ISIP 1575#/30min., IFP 30#, FFP 100#, FSIP 1480#/30 min. Rec. 30' OM, 100' MO, 60' free oil.
 DST #6 4288-98' Packer seat failed.
 DST #7 4291-4302' Open 1 hr., no gas, ISIP 1495#/30 min., IFP 65#, FFP 160#, FSIP 1195#/30 min. Rec. 130' mud, 260' sli OM and 10' clear SW.

Name	Top	Bottom
Sand & Shale	80	70
Shale & Shells	70	409
Red bed, shells, shale and lime	409	1375
Lime	1375	1955
Lime & Shale	1955	2560
Broken Lime	2560	2710
Lime & Shale	2710	3264
Lime, Shale & Sand	3264	3388
Sand & Lime	3388	3559
Lime	3559	4052
Shale & Lime	4052	4179
Shale	4179	4185
Lime	4185	4233
Chert	4233	4278
Lime	4278	4335
4335' R. T. D. - 4333' S. L. M.		

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 1/4"	8 5/8"	17#	408'		275	
Production	7-7/8"	5 1/2"	14#	4332'		150	
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
2	4282' and 4278'			Acidiz w/420 gals., mud acid Frac w/3000 gals, Petrofrac and 3000 # sand		4282, 4278'	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Size	Set At	Packer at					
2"	4256'						
Date of First Production	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....						
IP# 3-11-60:	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
Estimated Production Per 24 hours	9BQ, 1450 MCFG, 88 BW						
	45 of Sept. '85:						
	0.8 Bbls	27 MCF	Bbls	CFPB			

METHOD OF COMPLETION

Disposition of gas: Vented Sold Used on Lease
 Open Hole Perforation Other (Specify).....
 Dually Completed Commingled

Production Interval

2 holes each at 4282' and 4278'