

ORIGINAL

SIDE ONE

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

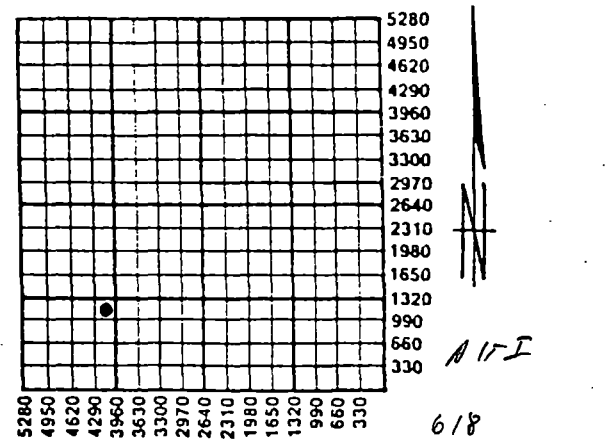
Operator: License # 04824
Name: MESA OPERATING LIMITED PARTNERSHIP
Address P.O. BOX 2009
AMARILLO, TEXAS 79189
City/State/Zip _____
Purchaser: Access Energy
Operator Contact Person: W. RIDDLE
Phone (316) 356-3026
Contractor: Name: Service Drilling
License: 5987
Wellsite Geologist: None

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp. Abd.
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.)

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

Drilling Method:
 Mud Rotary Air Rotary Cable
6/27/90 6/30/90 7/17/90
Spud Date Date Reached TD Completion Date

API NO. 15- 189-21,421-00-00
County Stevens
approx C SW Sec. 10 Twp. 33 Rge. 39 East West
1250' Ft. North from Southeast Corner of Section
4035' Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)
Lease Name CHRISTOPHER Well # 11-11
Field Name HUGOTON INFILL
Producing Formation CHASE
Elevation: Ground 3221' KB 3231'
Total Depth 2922' PBD 2828'



Amount of Surface Pipe Set and Cemented at 517' Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cmt.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 Carolyn L. McKee
Title Sr. Regulatory Analyst Date 12/10/90

Subscribed and sworn to before me this 11th day of December, 19 90.

Notary Public Dwaina Pitts
Date Commission Expires _____
My Commission Expires 8-6-93

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

xc: KCC (0+2), Well File, Regulatory, Exploration, Land, Reservoir, Form ACO-1 (7-89)
C. Records, T. Hofer (D&M), J. Harlan, K. Ratliff, Prod Acctg

SIDE TWO

Operator Name MESA OPERATING LTD PARTNERSHIP Lease Name CHRISTOPHER Well # 11-11

Sec. 10 Twp. 33 Rge. 39 East West
 County Stevens

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 (Attach Additional Sheets.) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run (Submit Copy.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="3" style="text-align: center;">Formation Description</th> </tr> <tr> <td></td> <td style="text-align: center;"><input checked="" type="checkbox"/> Log</td> <td style="text-align: center;"><input type="checkbox"/> Sample</td> </tr> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Bottom</th> </tr> <tr> <td>Stone Corral</td> <td>1670'</td> <td></td> </tr> <tr> <td>Wellington</td> <td>2228'</td> <td></td> </tr> <tr> <td>Chase</td> <td>2428'</td> <td></td> </tr> <tr> <td>Council Grove</td> <td>2768'</td> <td></td> </tr> </table>	Formation Description				<input checked="" type="checkbox"/> Log	<input type="checkbox"/> Sample	Name	Top	Bottom	Stone Corral	1670'		Wellington	2228'		Chase	2428'		Council Grove	2768'	
Formation Description																						
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Name	Top	Bottom																				
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Wellington	2228'																					
Chase	2428'																					
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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"	24#	678-517'	H	300	3% CaCl
Production	7 7/8"	5 1/2"	15.5#	2922'	H	400	3% KCL
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)			Depth
1 JS/2'	2428'-2690'			5000 gals 15% HCL			2428'-
				78,000 gals x-linked			2690'
				+ 250,000# 10/20 sand			
TUBING RECORD				Liner Run			
Size		Set At		Packer At		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
NA							
Date of First Production		Producing Method					
12/4/90		<input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)					
Estimated Production Per 24 Hours		Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	
		---	399	---	---	---	

Disposition of Gas: <input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, submit ACO-18.)	METHOD OF COMPLETION <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perforation <input type="checkbox"/> Dually Completed <input type="checkbox"/> Conmingled <input type="checkbox"/> Other (Specify) _____	Production Interval 2428'-2690'
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WESTERN PETROLEUM SERVICES CEMENTING REPORT

DATE 6-27-90 DISTRICT PERRYTON F.R.# L-124039

OPERATOR MESA O.L.P.

WELL NAME & NUMBER Christopher 11-11

LOCATION: SEC. 10 BLOCK OR TOWNSHIP 33S SURVEY OR RANGE 39W

COUNTY STEVENS STATE KANSAS

STAGE NUMBER 1 TYPE JOB SURFACE

ORIGINAL

TBG/DP: Size _____ Weight _____ Disp _____	Conductor	Surface	Int.	Prod.	Liner
Perforated Interval _____	Size	<u>8 5/8</u>			
Pkr. Type _____ Set at _____	Weight	<u>24</u>			
Open Hole Size <u>12 1/4</u> Formation <u>SURFACE</u>	Thread	<u>8R</u>			
Stage Collar Type _____ Set at _____	Capacity	<u>36.8</u>			
Estimated Wash Out <u>100% hole size</u>	Depth	<u>618</u>			

Sacks or Bbls.	Composition of Cement and Spacer	Gals/sk H ₂ O	Weight Lb/Gal	Yield Ft 3	Pump Time Hours	TOTAL Cu. Ft.	TOTAL Bbls.
<u>200</u>	<u>CLASS H Cmt - 2.5% Thruity</u> <u>1/4 #/sk CELLO-SEAL</u>	<u>14</u>	<u>12.0</u>	<u>2.39</u>	<u>5:7</u>	<u>478</u>	<u>85</u>
<u>100</u>	<u>CLASS H Cmt - 3% C.C.</u> <u>1/4 #/sk CELLO-SEAL</u>	<u>5.2</u>	<u>15.8</u>	<u>1.18</u>	<u>3:15</u>	<u>118</u>	<u>21</u>

Total Mix H₂O 78 Bbls. Total Displacement 36.8 Bbls, Type H₂O Total Products 106 Bbls

Time	Remarks	Rate	BBLS	Pressure
			tubing	Casing
<u>2346</u>	<u>H₂O AHEAD</u>	<u>5.5</u>	<u>10</u>	<u>50</u>
<u>2348</u>	<u>Mix Cmt 200/100</u>	<u>5 1/4</u>	<u>106</u>	<u>50/50</u>
<u>00:11</u>	<u>DROP PLUG (WASH ON)</u>	<u>—</u>	<u>—</u>	<u>—</u>
<u>00:12</u>	<u>Disp w/ H₂O</u>	<u>5</u>	<u>0</u>	<u>0/200</u>
<u>00:21</u>	<u>Bump Plug</u>	<u>3</u>	<u>37</u>	<u>200/600</u>
<u>00:22</u>	<u>CHECK FLOAT</u>	<u>—</u>	<u>- 1/4</u>	<u>0</u>

Thank God!
Paula [Signature]

RECEIVED
STATE CORPORATION COMMISSION
DEC 18 1990
Oil & Gas Division
Wichita, Kansas

Break Down At _____ BPM At _____ PSI

Squeezed To _____ PSI Running _____ Hesitation _____

Reversed out _____ BBL Slurry at _____ PSI

Customer considered service _____ Satisfactory _____ Unsatisfactory _____

Max Pressure 600 Differential Press. 280

Bumped Plug Yes No _____ Pressure to 600

Cmt. Circ. to surface Yes Sacks _____

Float Held Yes No _____

Shut in with _____ PSI

Service Supervisor Paula [Signature]

WESTERN PETROLEUM SERVICES CEMENTING REPORT

DATE 7-1-90 DISTRICT Perryton F.R.# 135680
 OPERATOR Mesa
 WELL NAME & NUMBER Christopher 11-11 ORIGINAL
 LOCATION: SEC. 10 BLOCK OR TOWNSHIP 338 SURVEY OR RANGE 39W
 COUNTY Stevens STATE Ks.
 STAGE NUMBER 1 TYPE JOB Long String

TBG/DP: Size _____ Weight _____ Disp _____	Conductor	Surface	Int.	Prod.	Liner
Perforated Interval _____	Size			5 1/2	
Pkr. Type _____ Set at _____	Weight			15.5 #	
Open Hole Size <u>7 7/8</u> Formation _____	Thread			8nd	
Stage Collar Type _____ Set at _____	Capacity			69.8	
Estimated Wash Out _____ %	Depth			2432	

Sacks or Bbls.	Composition of Cement and Spacer	Gals/sk H2O	Weight Lb/Gal	Yield Ft 3	Pump Time Hours	TOTAL Cu. Ft.	TOTAL Bbls.
12 Bbl	LJMW-1						
200 sk	H+2.5% Throat-Lite + 1/4% Collo Seal	11.85	12.5	2.09		418	74.6
200 sk	H+5% KCL + .7% CF-2 + 1/4% Collo Seal	15.7	15.7	1.14		238	42.5
		519					

Total Mix H2O 81.1 Bbls. Total Displacement 67.6 Bbls, Type 92% KCL + Chem Total Products 117.1 Bbls

Time	Remarks	Rate	Pressure	
			Tubing	Casing
11:00	Rig up to Perm Hole			
11:15	Safety Meeting - Out Line Job			
11:24	Press. Test Lines			1500
11:29	Start LJMW-1 12 Bbl	5.5		200
11:31	Mix & Pump Lead Cement 74.6 Bbl @ 12.5	5.5		200
11:44	Mix & Pump Tail Cement 42.5 Bbl @ 15.7	4.5		350
11:58	Shut down - Wash Lines - Drop Plug			
12:03	Displace Cement w 67.6 Bbl H2O + Chem	5.5		0-1200
12:18	Pump Plug - 320 Over	3		1200-1700
12:19	Check Flow - OK			1700-0

RECEIVED
STATE DEPARTMENT COMMISSION
DEC 13 1990
CONSERVATION DIVISION
WICHITA, KANSAS

Break Down At _____ BPM At _____ PSI
 Squeezed To _____ PSI Running _____ Hesitation _____
 Reversed out _____ BBL Slurry at _____ PSI
 Customer considered service _____ Satisfactory _____ Unsatisfactory _____
 Customer Rep: Frank Cashow

Max Pressure 1700 Differential Press. 1200
 Bumped Plug Yes No Pressure to 1700
 Cmt. Circ. to surface _____ Sacks _____
 Float Held Yes No
 Shut in with _____ PSI
 Service Supervisor James Reeves