

ORIGINAL

SIDE ONE

189-21,420 - 00-00

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

API NO. 15- \_\_\_\_\_  
County Stevens  
approx C SE Sec. 14 Twp. 33 Rge. 39 X East West

Operator: License # 04824

1250' Ft. North from Southeast Corner of Section

Name: MESA OPERATING LIMITED PARTNERSHIP

1250' Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

Address P.O. BOX 2009  
AMARILLO, TEXAS 79189

Lease Name CHRISTOPHER Well # 12-13

City/State/Zip \_\_\_\_\_

Field Name HUGOTON INFILL

Purchaser: Access Energy

Producing Formation CHASE

Operator Contact Person: W. RIDDLE

Elevation: Ground 3205' KB 3215'

Phone (316) 356-3026

Total Depth 2936' PBDT 2849'

Contractor: Name: Service Rig # 2

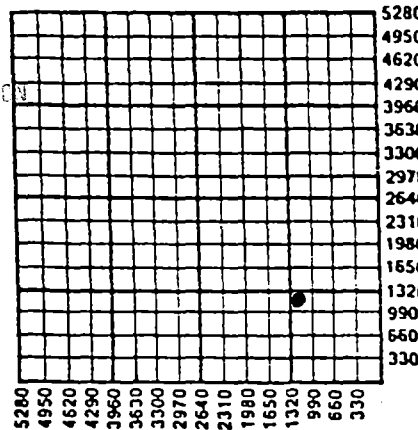
License: 5987

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.)

RECEIVED  
JAN 18 1991  
1-18-91  
CONSERVATION DIVISION  
WICHITA, KANSAS



If OWO: old well info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at 613' Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from \_\_\_\_\_

Drilling Method:

Mud Rotary  Air Rotary  Cable

7/5/90 7/8/90 7/29/90

Spud Date Date Reached TD Completion Date

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.

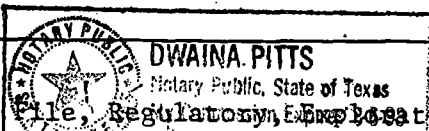
Signature Cathy L. McKee

Title Sr. Regulatory Analyst Date 1/16/91

Subscribed and sworn to before me this 16th day of January, 1991

Notary Public Dwaina Pitts

Date Commission Expires \_\_\_\_\_



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

xc: KCC (0+2), Well File, Regulation, Enforcement, Land, Reservoir, T. Hoefel (D&M), J. Harlan, K. Ratliff. Prod Acctg

P1

SIDE TWO

Operator Name MESA OPERATING LTD PARTNERSHIP

Lease Name CHRISTOPHER

Well # 12-13

Sec. 14 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  Yes  No  
 (Attach Additional Sheets.)  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No  
 Electric Log Run  Yes  No  
 (Submit Copy.)

Name	Formation Description	
	Top	Bottom
Stone Corral	1678'	
Wellington	2246'	
Chase	2457'	
Council Grove	2790'	

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#	613'	H	200	3% CaCl
Production	7 7/8"	5 1/2"	15.5#	2935'	H	425	5% KCL

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	
Shots Per Foot	Specify Footage of Each Interval Perforated		Depth
1 JS/2'	2456'-2748'	5000 gals 15% HCL	2456'-
		74,130 gals Borate XL	2748'
		+ 195,120 # 10/20 sand	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	NA			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First Production	Producing Method
1/07/91	<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
	--	618	--	--	--

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION:  Open Hole  Perforation  Dually Completed  Commingled  Other (Specify) \_\_\_\_\_

Production Interval: 2456'-2748'

WESTERN PETROLEUM  
SERVICES

CEMENTING REPORT

DATE 7-6-90 DISTRICT Perryton F.R.# 135684  
 OPERATOR Mesa  
 WELL NAME & NUMBER Christopher 12-13  
 LOCATION: SEC. 14 BLOCK OR TOWNSHIP 339 SURVEY OR RANGE 39W  
 COUNTY Stevens STATE Ks  
 STAGE NUMBER 1 TYPE JOB Surf.

TBG/DP: Size	Weight	Disp	Conductor	Surface	Int.	Prod.	Liner
Perforated Interval				8 5/8			
Pkr. Type	Set at			2 1/4"			
Open Hole Size <u>12 1/4</u>	Formation			8rd			
Stage Collar Type	Set at			39.2			
Estimated Wash Out %				615'			

Sacks or Bbls.	Composition of Cement and Spacer	Gals/sk H <sub>2</sub> O	Weight Lb/Gal	Yield Ft 3	Pump Time Hours	TOTAL Cu. Ft.	TOTAL Bbls.
200 sk	H + 2.5% Thrifty Lite + 1/4 #/sk Cellg Seal	14.1	12.0	2.39		478	85.4
100 sk	H + 3% CaCl <sub>2</sub> + 1/4 #/sk Cellg - Seal	5.19	15.7	1.17		117	20.9

Total Mix H<sub>2</sub>O 79.5 Bbls. Total Displacement 36.3 Bbls, Type H<sub>2</sub>O Total Products 106.3 Bbls

Time	Remarks	Rate	Pressure	
			Tubing	Casing
1:15	Rig up to Cir Hole			
1:30	Safety Meeting - Outline Job			
1:47	Press. Test Lines			1000
1:49	Start H <sub>2</sub> O Ahead - 10 BBL	6		200
1:52	Mix + Pump head Cement 85.4 BBL @ 12.0	5.5		100
2:09	Mix + Pump Tail Cement 20.9 BBL @ 15.7	5		150
2:13	Shutdown - Drop Plug - Wash on	0		0
2:14	Displace Cement w/ BBL H <sub>2</sub> O	5		0-400
2:25	Bump Plug	2		400-900
2:26	Check Float	0		900-0

Break Down At \_\_\_\_\_ BPM At \_\_\_\_\_ PSI  
 Squeezed To \_\_\_\_\_ PSI Running \_\_\_\_\_ Hesitation \_\_\_\_\_  
 Reversed out \_\_\_\_\_ BBL Slurry at \_\_\_\_\_ PSI  
 Customer considered service  Satisfactory  
 \_\_\_\_\_ Unsatisfactory

Max Pressure 900 Differential Press. 400  
 Bumped Plug  Yes  No Pressure to 900  
 Cmt. Circ. to surface Yes Sacks \_\_\_\_\_  
 Float Held  Yes  No  
 Shut in with \_\_\_\_\_ PSI  
 Service Supervisor James Reeves

Customer Rep: Frank Coshow  
 052-1451

**WESTERN PETROLEUM SERVICES**

DATE 7-9-90 DISTRICT Porton F.R.# 135687  
 OPERATOR Mesa  
 WELL NAME & NUMBER Christopher 12-13  
 LOCATION: SEC. 14 BLOCK/OR TOWNSHIP 33 S SURVEY OR RANGE 39 W  
 COUNTY Stevens STATE Ks  
 STAGE NUMBER 1 TYPE JOB Longstring

**CEMENTING REPORT**

ORIGINAL

TBG/DP: Size	Weight	Disp	Conductor	Surface	Int.	Prod.	Liner
Perforated Interval						5 1/2"	
Pkr. Type	Set at		Weight			15.5#	
Open Hole Size	Formation		Thread			800	
Stage Collar Type	Set at		Capacity			69.9	
Estimated Wash Out	%		Depth			2939	

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.
500 gal	WMTW-1						
22.5 sk	H + 2.5% Thick Lite + 1/4" #2 Cells Seal	11.85	12.5	2.09		470	84
200 sk	H + 5% KCL + .7% CF-2 + 1/4" #2 Cells Seal	5.19	15.7	1.19		238	42.5

Total Mix H2O 88.2 Bbls. Total Displacement 67.8 Bbls, Type 2% KCL + Chem Total Products 42.5 Bbls

Time	Remarks	Rate	Pressure	
			Tubing	Casing
AM				
3:30	Rig up to Lin. Hole			
3:45	Safety Meeting - Outline Job			
4:00	Press Test Lines - 1500 psi			
4:04	Start WMTW-1 500 gal	5.5		300
4:07	Mix + Pump Lead Cement 24 PBI @ 12.5	5.5		300
4:22	Mix + Pump Tail Cement 42.5 PBI @ 15.7	5.5		250
4:35	Shut down - Wash Lines - Drop Plug			
4:37	Displace Cement w 67.8 PBI H2O + Chem	5.5		0 - 1000
4:50	Pump Plug - 500 Over	2.5		1000 - 1500
4:57	Check Float			1500 - 0

Break Down At \_\_\_\_\_ BPM At \_\_\_\_\_ PSI  
 Squeezed To \_\_\_\_\_ PSI Running \_\_\_\_\_ Hesitation \_\_\_\_\_  
 Reversed out \_\_\_\_\_ BBL Slurry at \_\_\_\_\_ PSI  
 Customer considered service \_\_\_\_\_ Satisfactory \_\_\_\_\_ Unsatisfactory \_\_\_\_\_

Max Pressure 1500 Differential Press. 1000  
 Bumped Plug  Yes  No Pressure to 1500  
 Cmt. Circ. to surface No Sacks \_\_\_\_\_  
 Float Held  Yes  No  
 Shut in with \_\_\_\_\_ PSI  
 Service Supervisor James Reeves

Customer Rep: Wally Daily  
 052-1451