

Did

COPI

4647 FSL and 781 FEL
NW NE NE
KCC Record

SIDE ONE

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

Operators: License # 7208
Name: LORAIN CLEAVER
Address: ROUTE # 2
City/State/Zip: COLONY, KANSAS 66015
Purchaser: ENRON OIL & TRADING
Operator Contact Person: LORAIN CLEAVER
Phone: (316) 365 2515
Contractor: Name: BLACK DIAMOND DRILLING, CO

License: 6056
Wellsite Geologist: _____
KANSAS CORPORATION COMMISSION

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

If OLD: old well info as follows:
Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____
Log Method:
 Mud Rotary Air Rotary Cable
Spud Date 8/16/91 Date Reached TD 8/23/91 Completion Date 8/27/91

API NO. 15- 121-27,184

County MIAMI

N/2 SW NE NE Sec. 01 Twp. 16 Rge. 21 East West

4455 Ft. North from Southeast Corner of Section
990 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

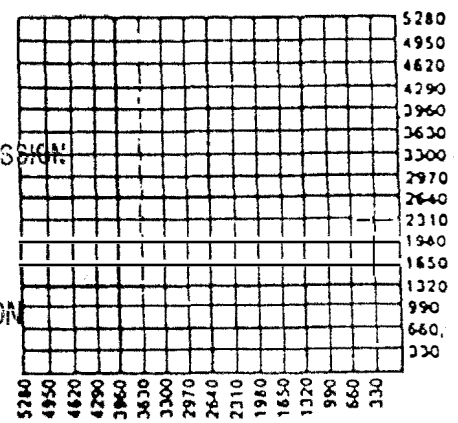
Lease Name WEST Well # 9

Field Name HILLS DALE

Producing Formation SQUIRREL

Elevation: Ground _____ KB _____

Total Depth 723 PBTD _____



Amount of Surface Pipe Set and Cemented at 20 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 698'

feet depth to SURFACE w/ 75 sx cnt.

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: Lorain Cleaver

Title OWNER / OPERATOR Date 9/12/91

Subscribed and sworn to before me this 12 day of Sept., 19 91.

Notary Public Martha L. Cleaver

Date Commission Expires 4-16-94

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)

MARTHA L. CLEAVER
Notary Public - State of Kansas
My Appt. Expires 4-16-94

SIDE TWO

Operator Name LORAIN CLEAVER Lease Name WEST Well # 9
 Sec. 01 Twp. 16 Rge. 21 East West
 County MIAMI

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	Formation Description <input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample <table border="1"> <thead> <tr> <th>Name</th> <th>Top</th> <th>Bottom</th> </tr> </thead> <tbody> <tr> <td>SOIL & CLAY</td> <td>6</td> <td></td> </tr> <tr> <td>LIME & SHALE</td> <td>304</td> <td></td> </tr> <tr> <td>BL SHALE</td> <td>307</td> <td></td> </tr> <tr> <td>LIME</td> <td>328</td> <td></td> </tr> <tr> <td>BL SHALE</td> <td>330</td> <td></td> </tr> <tr> <td>LIME</td> <td>352</td> <td></td> </tr> <tr> <td>BIG SHALE</td> <td>513</td> <td></td> </tr> <tr> <td>LIME & SHALE</td> <td>619</td> <td></td> </tr> <tr> <td>BL SHALE & LIME</td> <td>628</td> <td></td> </tr> <tr> <td>SHALE</td> <td>723</td> <td>T D</td> </tr> </tbody> </table>	Name	Top	Bottom	SOIL & CLAY	6		LIME & SHALE	304		BL SHALE	307		LIME	328		BL SHALE	330		LIME	352		BIG SHALE	513		LIME & SHALE	619		BL SHALE & LIME	628		SHALE	723	T D
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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																																		

ATTACHED DRILLERS LOG
 NO CORE TAKEN

CASING RECORD <input 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	6"	5 1/8"		20'	portland	A 6	2 % GEL
PRODUCTION	5 1/8	2 7/8			portland	A 75	60/440 po 2 % GEL
PERFORATION RECORD Shots Per Foot Specify Footage of Each Interval Perforated				Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth			
11		@ 634' - 659'		2 1/8 ALUM			
				GELED WATER FRAC. 60 sx 10x20 sand 45 8x12 sand, 50 gals. acid 15 % 1 acid spot, 125 # rock salt 125 # water gel, 5# gel.			
TUBING RECORD Size Set At Packer At 2 7/8 6.98 --				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production		Producing Method					
8/27/91		<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)					
Estimated Production Per 24 Hours		Oil	Bbls.	Gas	Mcf	Water	Bbls. Gravity
			1.5		-0-	.5	29.3

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 _____

1-16-21E

2 loc N at forks
1 loc E

Miami County DRILLING REPORT

IMPORTANT—This report must be accurate and MAILED promptly.

West

FARM SEC.

TWP.

RANGE

SEP 10 1991
CONSERVATION DIVISION
WICHITA, KS

WELL NO. 9

DATE

Aug 16

19 91

IF DAY WORK, SAY SO UNDER "REMARKS"

TOUR HOURS WORKED			TOUR HOURS WORKED			TOUR HOURS WORKED		
FROM	TO		FROM	TO		FROM	TO	
Drilled from Soil & clay	0	ft. to 6	Drilled from big shale	352	ft. to 513	Drilled from Shale	628	ft. to 635
Formation Lime	6	ft. to 37	Formation Lime	513	ft. to 524	Formation broken oil sand w/ shale	635	ft. to 640
Formation Shale	37	ft. to 67	Formation Shale	524	ft. to 545	Formation Shale	640	ft. to 723 TD
Formation Lime	67	ft. to 86	Formation Lime	545	ft. to 557	Formation		ft. to
Formation Shale	86	ft. to 160	Formation Shale	557	ft. to 570	Formation		ft. to
Formation Lime	160	ft. to 230	Formation Lime	570	ft. to 588	Formation		ft. to
Formation shale	230	ft. to 272	Formation Shale	588	ft. to 610	Formation		ft. to
Formation Lime	272	ft. to 304	Formation Lime	610	ft. to 619	Formation		ft. to
Set bl shale	inch Casing at 304	ft. 307	Set bl shale	inch Casing at 619	ft. 621	Set		inch Casing at
Underreamed from Lime	to 307 - 328	ft.	Underreamed from Lime	to 621 - 627	ft.	Underreamed from		to
Straight reamed from bl shale	to 328 - 330	ft.	Straight reamed from bl shale	to 627 - 628	ft.	Straight reamed from		to
Lime	Bailers of water per hr. at 330 - 352	ft.		Bailers of water per hr. at	ft.			Bailers of water per hr. at
Carrying	Bailers water per hr. Bailer size	in. x ft.	Carrying	Bailers water per hr. Bailer size	in. x ft.	Carrying	Bailers water per hr. Bailer size	in. x ft.
REMARKS: Set 20 ft of 6" surface pipe cement to top			REMARKS:			REMARKS: Ran 658 ft of 2 7/8 8rd Upset Sealing nipple @ 633		
						Total Depth. 723		
Signed	Driller		Signed	Driller		Signed	Driller	
Signed	Tool Dresser		Signed	Tool Dresser		Signed	Tool Dresser	