

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

ORIGINAL

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 6137
Name: Donald & Jack Ensminger
Address: 1446-3000 St.
City/State/Zip: Moran, Kansas 66755-3949
Purchaser: C M I
Operator Contact Person: Donald Ensminger
Phone: (620) 496-2300 or 496-7181 Cel
Contractor: Name: L & K Drilling Co.
License: 5667

API No. 15 - 15-001-263870000
County: Allen
SE - NW NW Sec. 7 Twp. 25 S. R. 20 East West
4920 feet from S N (circle one) Line of Section
4640 feet from E W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW

Lease Name: Switzer Well #: S-1
Field Name: Moran

Producing Formation: Minneapolis Lime
Elevation: Ground: Yes Kelly Bushing: _____

Total Depth: 1300 Plug Back Total Depth: 1300
Amount of Surface Pipe Set and Cemented at 35' Feet

Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 1007'
feet depth to Surface w/ 189 sx cmt.

Wellsite Geologist: _____
Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry WSW Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows: _____

Operator: _____
Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____
 Deepening Re-perf. Conv. to Enhr./SWD
 Plug Back _____ Plug Back Total Depth _____
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____

<u>4-20-83</u>	<u>5-12-83</u>	<u>5-12-83</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

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Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit) *ALT II WHM 12-11-07*
Chloride content 125 ppm Fluid volume 500 bbls
Dewatering method used Air dry & level

Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Docket No.: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of 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 geologist well report 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.

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: Donald Ensminger
Title: _____ Date: _____

Subscribed and sworn to before me this 27 day of February
2002

Notary Public: Kristie Tavaris

Date Commission Expires: 2-16-05

KRISTIE TAVARIS
Notary Public - State of Kansas
My Appt. Expires 2-16-05

KCC Office Use ONLY

Letter of Confidentiality Attached
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

Operator Name: Donald & Jack Ensminger Lease Name: Switzer Well #: S-1
 Sec. 7 Twp. 25 S. R. 20 East West County: Allen

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> 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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> </thead> <tbody> <tr> <td>Soil</td> <td>0</td> <td>4</td> </tr> <tr> <td>Ls with Sh streaks</td> <td>4</td> <td>224</td> </tr> <tr> <td>Sh with Ls streaks</td> <td>224</td> <td>757</td> </tr> <tr> <td>Oil Sd</td> <td>757</td> <td>767</td> </tr> <tr> <td>Sh</td> <td>767</td> <td>800</td> </tr> <tr> <td>Oil Sd</td> <td>800</td> <td>812</td> </tr> <tr> <td>Sh</td> <td>812</td> <td>1009</td> </tr> <tr> <td>Ls</td> <td>1009</td> <td>1300 TD</td> </tr> </tbody> </table>	Name	Top	Datum	Soil	0	4	Ls with Sh streaks	4	224	Sh with Ls streaks	224	757	Oil Sd	757	767	Sh	767	800	Oil Sd	800	812	Sh	812	1009	Ls	1009	1300 TD
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Oil Sd	800	812																										
Sh	812	1009																										
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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	# Sacs Used	Type and Percent Additives
Surface	12 1/2	8"	27	35	common	8	None
Caseing	8 3/4	5 1/2	15	1007	common	189	2% gel

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth
	None	None	

TUBING RECORD	Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.		Producing Method			
6-30-83		<input 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
			150		

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

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval _____

WELL RECORD

Well No. S-1 Farm Switzer Producer Ensminger Oil

Location 4920 S line, 4640 E line Sec. 7 Twp. 25 Rg. 20 E

Elevation NA State Kansas County Allen

Kind (Oil, Gas, Water, Dry Hole) Water Supply Contractor L-K Drilling Inc.

Producing formation Top Bottom

Shot with qts. from to

Packer Set at Kind Size

Liner from to Perforated from to

LOG

Thick-ness	Strata	Depth	Thick-ness	Strata	Depth
2	soil	2	30	sd	932
2	clay	4	77	sh	1009
6	broken ls	10	8	Miss ls	1017
25	sh	35	36	sd "limey"	1053
6	ls	41	100	sh "	1153
40	sh	81	147	Miss ls	1300
14	sd y sh	95			
60	ls	155			
5	sh	160			
64	ls	224			
137	sh	361			
4	ls	365			
40	sh	405			
19	ls	424			
5	sh	429			
10	ls	439			
72	sh	511			
2	ls	513			
8	sh	521			
29	ls	550			
36	sh	586			
31	ls	617			
83	sh	700			
1	ls	701			
9	sh	710			
47	sd y sh	757			
10	oil sd	767			
33	sh	800			
12	oil sd	812			
90	sd y sh	902			

Total Depth 1300'

Open Hole

Casing at

Casing at

Casing at

Cement

Tubing **RECEIVED**

Rods JAN 20 1983

Additional Information **KCC WICHITA**

Set 35' of 8" surface and cement it in.

Run 1007' of 5 1/2" casing and cement to top.

Date Started 4-20-83
Date Completed 5-12-83

O. K.

Superintendent

Consolidated
 2-93
 Customer's Acct
 250

Oil Well Services, Inc.
 66755

FD-884
 Charlotte, Kansas 66720
 Phone (316) 331-9210

Ticket
 4053

2-93
 Customer's Acct
 250
 To
 Pumper Oil
 Box #1 Box 76
 Meru, Kas

Sec	7	Days	23	Hours	20	Well No. & Name	Switzer S#1	Place of Destination	2E, 13 S. L. Harper
County		State		Operator		Well No. Operator Contractor		County	
State		City		Well No.		Operator		State	

CEMENTING SERVICE DATA

TYPE OF JOB		Flow	Flow	FLOPS AND HEAD		PRESSURE		CEMENT LEFT IN CASING	
Flow	Flow			Bottom	Top	Carulating	Minimum	Requested	Requested
✓	✓	7 3/4"	1009	Rubber Pcs	15W	250	100		
1 1/2"	1005	1009	PC		800				
				FLOUT EQUIPMENT		Sacks Cement	1895x		
						Type & Brand	Portland-A		
						Admixes	2% Gel, 2 Gelhead		

FRACTURING - ACIDIZING SERVICE DATA

At Intervals of		psi to		psi	
Breakdown Pressure from					
psi	Minimum	psi	Avg Pump Rate	GPM/BPM	Close In
Gals. Treating Acid	Type	Open Hole Diameter			
Casing	Annulus	Size	Weight		
Day/Location/Name		Depth of Job			ft

EMITTING
 Pumping Charge / - Cement
 Pumping Charge
 87 Sacks Bulk Cement
 Mileage on Bulk Cement 34
 2% Premium Gel
 Flo-Seal
 Calcium Chloride
 Plug 5 1/2"
 Equipment

INVOICE SECTION

FRACTURING - ACIDIZING

Office Use	\$	Pumping Charge	Office Use	\$
5401	388.00			
1101	945.00	12x30 Sand	@	
6401	228.12	10x20 Sand	@	
635	41.40	x Sand	@	
		10n Mileage	@	
		Gals. Acid	@	
		Chemicals	@	
			@	
			@	
		Potassium Chloride	@	
		Rock Salt	@	
		Water Gel	@	
		Transport Truck (Hrs.)	@	
44.00	110.00	Vac Truck (Hrs.)	@	
		Fuel Surcharge	@	
1 tax	70.66			
Total	1783.68			

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Finance Charge computed at 1% monthly (annual percentage rate of 12%) will accrue over 30 days.