

15-109-20499-00-00

ORIGINAL

SIDE ONE

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

API NO. 15- 109-20,499-00-00

County Logan

SE SW NE Sec. 23 Twp. 11S Rge. 33W East West

2970' Ft. North from Southeast Corner of Section

1650' Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Lease Name Schwartz "E" Well # 1

Field Name Wildcat

Producing Formation Cherokee

Elevation: Ground 3122 KB 3127

Total Depth 4700 PBTD

Operator: License # 5123

Name: Pickrell Drilling Co. Inc.

Address 110 N. Market, Suite 205

City/State/Zip Wichita, Kansas 67202

Purchaser: Farmland Industries

Operator Contact Person: Jay McNeil

Phone (316) 262-8427

Contractor: Name: Pickrell Drilling Co. Inc.

License: 5123

Wellsite Geologist: Tom Funk

Designate Type of Completion

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 _____

Drilling Method:

Mud Rotary Air Rotary Cable

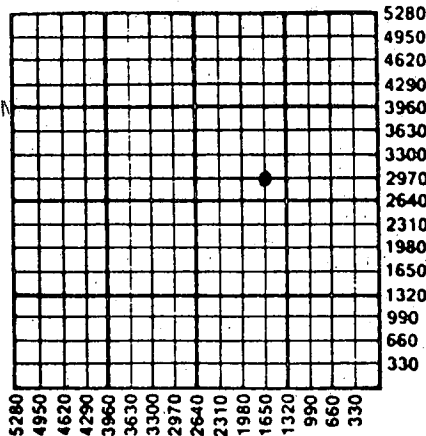
2-18-91 3-01-91 4-05-91

Spud Date Date Reached TD Completion Date

RECEIVED
STATE CORPORATION COMMISSION

APR 25 1991
4-25-91

CONSERVATION DIVISION
Wichita, Kansas



4-26-91

Amount of Surface Pipe Set and Cemented at 316' KB Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 2613' Feet

If Alternate II completion, cement circulated from 2613

feet depth to 0 w/ 350 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 C.W. Sebitts

Title C.W. Sebitts President Date 4-24-91

Subscribed and sworn to before me this 24th day of April, 19 91.

Notary Public Verdella Lewis

Date Commission Expires 6-06-94

K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached

C Wireline Log Received

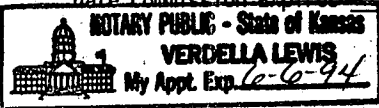
C Drillers Timelog Received

Distribution:

KCC SWD/Rep NGPA

KGS Plug Other (Specify)

P1



SIDE TWO

Operator Name Pickrell Drilling Co. Inc. Lease Name Schwartz "E" Well # 1

Sec. 23 Twp. 11S Rge. 33W East West
 County Logan

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.)

Formation Description			
	<input checked="" type="checkbox"/> Log	<input type="checkbox"/> Sample	
Name	Top	Bottom	
Anhydrite	2605(+ 522)	Johnson Zone	4615(-1488)
B/Anhydrite	2629(+ 498)	Mississippian	4677(-1550)
Heebner	4029(- 902)		
Toronto	4054(- 927)		
Lansing	4072(- 945)		
Muncie Creek	4205(-1078)		
Stark Sh	4286(-1159)		
Marmaton	4378(-1251)		
Pawnee	4487(-1360)		
Fort Scott	4543(-1416)		
Cherokee Sh	4571(-1444)		

CASING RECORD New 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 Csg.	12 1/4"	8 5/8"	20#	316'KB	60/40Poz	190sx	2%Gel, 3%CC
Production Csg.	7 7/8"	4 1/2"	10.5#	4697'	common	200sx	SS w/GIT&FR
Stage Collar				2613	ATL	325sx	

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
4	4617-4624, 4630-4632	A 500 gal. 15% DS Fe	

TUBING RECORD Size 2 3/8" Set At 4640' Packer At _____ Liner Run Yes No

Date of First Production 4-05-91 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	78.5	Nil	None		

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 _____

LOGAN COUNTY, WEST VIRGINIA
 DEPARTMENT OF MINES AND METALS
 REC'D - LOGAN COUNTY
 APR 10 1991

15-109-20499-00-00

PICKRELL DRILLING COMPANY, INC.

110 NORTH MARKET - SUITE 205

WICHITA, KANSAS 67202-1996

(316) 262-8427

ORIGINAL

#1 Schwartz 'E'
SE SW NE
Sec. 23-11S-33W
Logan County, Kansas

API: 15-109-20,499
Elev: 3127 KB
2970' from South Section Line
1650' from East Section Line

- 2-18-91: MIRT. Spud @ 2:00 P.M. Ran new 8 5/8" 20# Csg. set @ 316'KB. Cemented w/190sx 60/40 poz, 2% Gel, 3% CC. Cement circ. Plug down @ 9:00 P.M. on 2-18-91.
- 2-19-91: Drlg. @ 485'.
- 2-20-91: Drlg. @ 2321'.
- 2-21-91: Drlg. @ 2833'.
- 2-22-91: Drlg. @ 3438'.
- 2-23-91: Drlg. @ 4040'.
- 2-24-91: Testing @ 4162'. DST #1 4040'-4064', 30"-60"-90"-90", Rec. 255' Mdy Wtr, IFP 20#-50#, FFP 71#-131#, ISIP 1263#, FSIP 1263#.
- 2-25-91: Testing @ 4229'. DST #2 4135'-4162', 30"-30"-30"-30", Rec. 10' SOCM, IFP 10#-10#, FFP 20#-20#, ISIP 121#, FSIP 60#.
- 2-26-91: Drlg. @ 4314'. DST #3 4201'-4229', 30"-60"-90"-90", Rec. 60' GIP, 60' Cln Oil, 120' G&MC Oil (10% G, 60% Oil), 60' OCM (10% Oil), 60' Mdy Wtr, IFP 40#-71#, FFP 91#-121#, ISIP 1095#, FSIP 956#. DST #4 4257'-4281', 30"-60"-60"-60", Rec. 300' GIP, 60' Gsy Oil, 60' GMC Oil (25% G, 60% Oil, 15% Mud), 240' GMC Oil (50% Oil, 40% G, 10% Mud), IFP 40#-70#, FFP 101#-121#, ISIP 996#, FSIP 976#.
- 2-27-91: Drlg. @ 4503'. DST #4 4289'-4315', 30"-60"-90"-90", Rec. 5' 0 Spk Mud, 120' Mdy Wtr, IFP 20#-20#, FFP 40#-60#, ISIP 806#, FSIP 737#.
- 2-28-91: Note corr. DST @ 4289'-4315' to DST #5. Johnson Zone 4616 (-1489). DST #6 4570'-4637', 30"-60"-60"-90", Rec. 780' GIP, 840' Gsy Oil, 120' MCO (70% Oil) 240' MCO (60% Oil), IFP 80#-223#, FFP 264#-429#, ISIP 1075#, FSIP 1015#. Prep to drill ahead:
- 3-01-91: RTD 4700'. LTD 4700'. Ran 115 jts. 4 1/2" 10.5# casing set @ 4697', cement bottom w/200sx Salt Sat. Common w/FR. Plug down @ 6:55 A.M. on 3/1/91. Cmt. thru stage collar @ 2613 w/325sx ATL. Complete @ 9:10 A.M. Circ. w/ 35sx to surface.

RECEIVED
STATE CORPORATION COMMISSION

4-25-1991
APR 25 1991

CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL

3-2627, Russell, Kansas

Phone Plainville 913-434-2812

316-793-5861, Great Bend, Kansas

15-109-20499-00-00

Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC. N^o 9179

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	3-1-91	Sec.	23	Twp.	19	Range	33	Called Out	9:30pm	On Location	12:00pm	Job Start	6:00AM	Finish	6:55AM
Lease	Schwartz	Well No.	E-1	Location	40x83 3W 25 1/2 W 1/2 S 1/2 W				County	Logan	State	KS			

Contractor	Pickrell Daly	Owner	Same
Type Job	2 stage Btm. Stages	To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.	
Hole Size	7 7/8	T.D.	4700'
Csg.	4 1/2	Depth	4698'
Tbg. Size		Depth	
Drill Pipe		Depth	
Tool	D.V. Tool	Depth	2613'
Cement Left in Csg.	40'	Shoe Joint	40'
Press Max.	1000*	Minimum	
Meas Line	yes	Displace	74.18
Perf.			

Charge To	Pickrell Daly
Street	110 N. Market Suite 205
City	Wichita
State	Ks. 67202
The above was done to satisfaction and supervision of owner agent or contractor.	

Purchase Order No.	
X	Epmond
CEMENT	

RECEIVED
EQUIPMENT STATE CORPORATION COMMISSION
4-5-1991

No.	Cement	Ben	APR 5 1991
Pumptrk 46	Helper	John	
No.	Cement		CONSERVATION DIVISION Wichita Kansas
Pumptrk	Helper		
Bulktrk 69	Driver	Bob	
Bulktrk	Driver	B. II	

Amount Ordered	200st of salt sat. com. 11/100st 1/2		
Consisting of	CFR 20 BBL WFR 2		
Common	200	6.10	1220.00
Poz. Mix			
Gel	15 FRA*	4.00	60.00
Chloride	Salt 36	4.75	171.00
Quickset			
WFR II	840 gals	.50	420.00
Sales Tax			
Handling	200	1.00	200.00
Mileage	7		56.00
Oakley			
Total \$ 3134.00			Sub Total
Disc 626.80			
Total \$ 2507.20			2127.00
Floating Equipment			

DEPTH of Job		
Reference:	pump trk chg.	880.00
7	m. lease	14.00
Sub Total		
Total		894.00

Remarks: Insert Did Hold

Allied Cementing Co.
By: Ken Riffe

1-4 1/2 Basket - 113.00

Thank you!

