

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

Operator: License # 8735
Name: S & M OIL CO.
Address P. O. Box 296
City/State/Zip Plainville, KS 67663
Purchaser: Farmland Industries, Inc.
Operator Contact Person: Steve Crawford
Phone (913) 434-2829
Contractor: Name: Prairie Drilling, Inc.
License: 30964
Wellsite Geologist: Steve Crawford
Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____
 Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBSD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____
6-8-92 6-14-92 6-29-92
Spud Date Date Reached TD Completion Date

API NO. 15- 163-23205-0000
County Rooks
NW - NE - NE - 1 Sec. 1 Twp. 97 Rge. 17 X E
4950 Feet from SW (circle one) Line of Section
990 Feet from E (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)
Lease Name Hrabe A Well # 3
Field Name Westhusin
Producing Formation Kansas City
Elevation: Ground 1915 KB 1923
Total Depth 3345 PBSD 3340
Amount of Surface Pipe Set and Cemented at 216 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 1232 Feet
If Alternate II completion, cement circulated from DV tool 1232
feet depth to surface w/ 240 sx cnt.

Drilling Fluid Management Plan 7-20-89
(Data must be collected from the Reserve Pit)
Chloride content _____ ppm Fluid volume _____ bbls
Dewatering method used _____
Location of fluid disposal if hauled offsite: _____
Operator Name _____
Lease Name _____ License No. _____
_____ Quarter Sec. _____ Twp. _____ S Rng. _____ E/W
County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 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 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 Steve Crawford
Title Owner Date 7-14-93
Subscribed and sworn to before me this 14 day of July
19 93.
Notary Public Connie Newell
Date Commission Expires 4-9-94

NOTARY PUBLIC - State of Kansas
CONNIE NEWELL
My Appt. Exp. 4-9-94

RECEIVED
K.C.C. OFFICE USE ONLY
STATE CORPORATION COMMISSION
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
JUL 20 1993
Distribution
 KCC SWD/Rep
 KGS Plug
Wichita, Kansas
(Specify)

7/20/93
PI

SIDE TWO

Operator Name S & M Oil Co.

Lease Name Hrabe A Well # 3

Sec. 1 Twp. 9 Rge. 17
 East
 West

County Rooks

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.)

List All E.Logs Run:

Log Formation (Top), Depth and Datum Sample

Name	Top	Datum
Anhydrite	1224	1258
Topeka	2806	3021
Heebner	3021	3023
Kansas City	3062	3301

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	12 1/4	8 5/8	20	216	60/40 poz	135	2% gel 3% c.c./
Production	7 7/8	5 1/2	15.5	3340	50/50 poz	240	6% gel 1/4 lb. F.S.
					ASC	120	8% salt 5% gilsonite

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				

PERFORATION RECORD - Bridge Plugs Set/Type
 Specify Footage of Each Interval Perforated

Acid, Fracture, Shot, Cement Squeeze Record
 (Amount and Kind of Material Used) Depth

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth
1	3042, 3063, 3122, 3131, 3156, 3164	900 HCL 3042-3276
	3175, 3220, 3239, 3267, 3276	Limited entry 1450 psi

TUBING RECORD

Size

Set At

Packer At

Liner Run

Yes No

2 7/8

3204

Date of First, Resumed Production, SWD or Inj.

Producing Method

Flowing Pumping Gas Lift Other (Explain)

6-29-92

Estimated Production Per 24 Hours

Oil

Bbls.

Gas

Water

Bbls.

Gas-Oil Ratio

Gravity

70

220

34

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

Vented Sold Used on Lease
 (If vented, submit ACO-18.)

Open Hole Perf. Dually Comp. Commingled
 Other (Specify)

3042-3276

ORIGINAL

15-163-23205-00-00

WATER ANALYSIS REPORT

Company : S&M Oil Co.
Address : Plainville, KS
Lease : Hrabe A
Well : 3
Sample Pt. : Fresh Water Pit

Date : 6/10/92
Date Sampled : 6/10/92
Analysis No. :

Table with 3 columns: ANALYSIS, mg/L, * meq/L. Rows include pH (6.5), H2S (Neg), Specific Gravity (1.0), Total Dissolved Solids (4893.1), Suspended Solids, Dissolved Oxygen, Dissolved CO2, Oil In Water, Phenolphthalein Alkalinity (CaCO3), Methyl Orange Alkalinity (CaCO3), Bicarbonate (HCO3 171.0), Chloride (Cl 2290.0), Sulfate (SO4 750.0), Calcium (Ca 800.0), Magnesium (Mg 122.0), Sodium (calculated) (Na 760.1), Iron (Fe 0.0), Barium (Ba 0.0), Strontium (Sr 0.0), Total Hardness (CaCO3) (2500.0).

PROBABLE MINERAL COMPOSITION

Table with 2 columns: *milli equivalents per Liter, and a breakdown table for Ca, Mg, Na, HCO3, SO4, Cl.

Table with 4 columns: Compound, Equiv wt X meq/L, = mg/L. Rows include Ca(HCO3)2, CaSO4, CaCl2, Mg(HCO3)2, MgSO4, MgCl2, NaHCO3, Na2SO4, NaCl.

Saturation Values Dist. Water 20 C
CaCO3 13 mg/L
CaSO4 * 2H2O 2090 mg/L
BaSO4 2.4 mg/L

REMARKS:

Petrolite Oilfield Chemicals Group
Mid-Continent Region
5601 Northwest 72nd, Suite 324
Oklahoma City, OK 73132

Respectfully submitted,
Rod Sutter

RECEIVED
STATE CORPORATION COMMISSION

7/20/93
JUL 20 1993

CONSERVATION DIVISION

PETROLITE

Russell, Kansas
 661, Great Bend, Kansas

15-163-23205-00-00

New ORIGINAL Phone Plainville 913-434-2812
 Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC.

2061

Home Office P. O. Box 31

Russell, Kansas 67665

Date	6-8-92	Sec	1	Twp.	9 ^s	Range	17 ^w	Called Out	3:00 P.M.	On Location	6:00 P.M.	Job Start	8:30 P.M.	Finish	9:00 P.M.	
Lease	Grabe "A"	Well No.	3	Location				Plainville 6 1/2 ESN 3/4 E S. side	County	Rooks	State	Ks.				
Contractor	Prairie Dng.			Rig #1		Owner		Same								
Type Job	Set Surface Pipe															
Hole Size	12 1/4"			T.D.		220'										
Csg.	8 5/8"			Depth		216'										
Tbg. Size	Depth															
Drill Pipe	Depth															
Tool	Depth															
Cement Left in Csg.	15'			Shoe Joint												
Press Max.	Minimum															
Meas Line	Displace <input checked="" type="checkbox"/>															
Perf.																

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.

Charge To **57 M Oil**
 Street **P.O. Box 296**
 City **Plainville, State Ks. 67663**
 The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No. **R 901**
 CEMENT

Amount Ordered **135 sks 60/40 90% 2logel, 36 c.c.**

Consisting of	
Common	81 sks @ 5.25/sk. #425.25
Poz Mix	34 sks @ 2.25/sk. 121.50
Gel.	2 sks N/C.
Chloride	4 sks @ 21.00/sk. 84.00
Quickset	

Handling	e 1.00/sk. (135 sks)	135.00
Mileage	e 04 \$/sk./mi. (12 mi.)	64.80
Sub Total	#	830.55
Total		

Floating Equipment **Thanks You Welcome**

EQUIPMENT

No.	Cementer	Gary H. Wayne Mc.
Pumptrk 191	Helper	
No.	Cementer	Joe S.
Pumptrk	Helper	
	Driver	
Bulktrk #212	Driver	

DEPTH of Job

Reference: #1	Pumptruck-surface	#380.00
#13	mileage e 2.00/mi.	24.00
	1-8 7/8" wooden plug	21.00
	Sub Total	#425.00
	Tax	
	Total	

Remarks: **Cement Circulated.**

7/8/92
 RECEIVED
 STATE CORPORATION COMMISSION
 JUL 8 1992
 CONSERVATION DIVISION
 Wichita, Kansas

15-163-23209-1000

Wend, Kansas

New

Phone Plainville 913-44-2812

Phone Ness City 913-778-3843

ALLIED CEMENTING CO., INC.

2064

Home Office P. O. Box 31

Russell, Kansas 67665

6-13-92

6-14-92

Date	6-14-92	Sec.	1	Twp.	9 ^s	Range	17 ^w	Called Out	5:00 P.M.	On Location	9:00 P.M.	Job Start	4:15 A.M.	Finish	5:00 A.M.	
Lease/Hab	"A"	Well No.	3	Location				Plainville 6 1/2 E N 3/4 E 1/2 S	County	Rooks	State	Ks.				

Contractor	Phairie Dalg	Rig #	1
Type Job	Two-Stage Production String		
Hole Size	7 7/8"	T.D.	3345'
Csg.	5 1/2"	Depth	3340'
Csg. Size	8 7/8"	Depth	216'
Drill Pipe		Depth	
Tool (Airrow) D.V.		Depth	1232'
Cement Left in Csg.	9'	Shoe Joint	9.04'
Press Max.	1300 #	Minimum	
Meas Line	X	Displace	

Owner	Same
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.	
Charge To	S & M Oil
Street	P.O. Box 296
City	Plainville, State Ks. 67663
The above was done to satisfaction and supervision of owner agent or contractor.	
Purchase Order No.	

Perf Anhydrite 1224'-1258' KB-8'

EQUIPMENT

No.	Cementer	Gary H.
Pumptrk #191	Helper	Walt D.
No.	Cementer	
Pumptrk	Helper	
	Driver	Jason C.
Bulktrk #218		
Bulktrk #212	Driver	Joe S.

CEMENT	
Amount Ordered	240 sks 50/50 per 6 bagel with
Consisting of 1/4 # of Proseal/sk.	
Common	120 sks @ 5.25/sk. \$630.00
Poz. Mix	120 sks @ 2.25/sk. 270.00
Gel.	8 sks @ 6.75/sk. (Used 12 sks) 54.00
Chloride	
Quickset	
Floscel	60 # @ 1.00/lb. 60.00

DEPTH of Job		
Reference #	Description	Amount
#3	Pumptruck-Top stage	475.00
#13	mileage	N/c.
Sub Total		475.00
Tax		
Total		

Handling	1.00/sk (240 sks)	240.00
Mileage	0.4 \$/sk/mi (12 mi.)	115.20
Sub Total		1369.20
Total		

Remarks: Plugged rat hole w/15 sks.
Plugged mouse hole w/10 sks.
D.V. tool opened and closed OK.
and held.
Cement circulated

Floating Equipment

Thanks

7/8/92
RECEIVED
STATE CORPORATION COMMISSION
JUL 8 1992
DIVISION

15-163-23205-00-00

Wend, Kansas

New

Phone Plainville 913-434-2812
Phone New City 913-798-3843

ALLIED CEMENTING CO., INC.

2063

Home Office P. O. Box 31

Russell, Kansas 67665

6-13-92

6-14-92

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
6-14-92	1	9 ^s	17 th	5:00 P.M.	9:00 P.M.	1:40 A.M.	2:45 A.M.
Lease Hnabe "A"		Well No. 3	Location Plainville 6 1/2 E S N 3/4 E 8 S		County Rooks	State Ks.	

Contractor Prairie Dalg. Rig #1	
Type Job Two-Stage Production String	
Hole Size 7 7/8"	T.D. 3345'
Csg. 5 1/2"	Depth 3340'
Csg. Size 8 3/8"	Depth 216'
Drill Pipe	Depth
Tool (Arrow) D.V.	Depth 1232'
Cement Left in Csg. 9'	Shoe Joint 9.04'
Press Max. 800#	Minimum
Meas Line X	Displace
Perf.	

Owner Same
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.
Charge To S & M Oil
Street P.O. Box 296
City Plainville, State Ks. 67663
The above was done to satisfaction and supervision of owner agent or contractor.
Purchase Order No.
X level

EQUIPMENT

No.	Cementer	Gary H.
Pumptrk 191	Helper	Walt D.
No.	Cementer	
Pumptrk	Helper	
	Driver	Joe S.
Bulktrk #212		
Bulktrk	Driver	

CEMENT

Amount Ordered	120 sks ASC 8% salt, 5% gilsonite	
Consisting of:		
Gammox ASC - 120 sks @ 7.25/sk		\$870.00
Poz. Mix		
Gel.		
Chloride Salt - 9 sks @ 4.75/sk		42.75
Quickset		
Gilsonite - 564 # @ 33¢/lb		186.12
Sales Tax		
Handling @ 1.00/sk. (120 sks)		120.00
Mileage @ 0.4¢/sk./mi. (12 mi.)		57.60
Sub Total		\$1276.47
Total		

DEPTH of Job

Reference #3	Pumptruck-bottom stage	\$880.00
#13	mileage @ 2.00/mi.	24.00
	Sub Total	\$904.00
	Tax	
	Total	

Floating Equipment 5 1/2"		
1-regular guide shoe		\$125.00
1-AFU insert (Model "C")		189.00
2-limit clamps @ 13.00 ea		26.00
3-cementing baskets @ 12.00 ea		381.00
5-centralizers @ 46.00 ea		230.00
1-two-stage collar (Anno 114)		230.00
		230.00
		61.00

Remarks: Float Held.

Thanks

RECEIVED
NICHITA
JAN 26 1993