

SIDE ONE

ORIGINAL

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

API NO. 15- 163-23,102 00-00

County Rooks

NW NW NW Sec. 6 Twp. 9S Rge. 16W East X West

4880 Ft. North from Southeast Corner of Section

4950 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

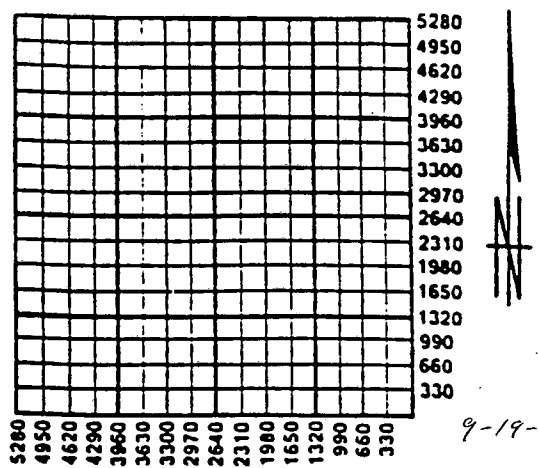
Lease Name Kern "B" Well # 1

Field Name George P. Crawford

Producing Formation Kansas City

Elevation: Ground 1960 KB 1965

Total Depth 3425' PBTD 3420



9-19-90

Amount of Surface Pipe Set and Cemented at 208' Feet

Multiple Stage Cementing Collar Used? X Yes No

If yes, show depth set 1291 - 94 Feet

If Alternate II completion, cement circulated from 1294

feet depth to Surface w/c 340 sx cmt.

Operator: License # 8735

Name: S & M Oil Company

Address 205 N. Jefferson

City/State/Zip Plainville, KS 67663

Purchaser: Farmland Ind.

Operator Contact Person: Steve Crawford

Phone (913) 434-2829

Contractor: Name: RED TIGER DRILLING

License: 5302

Wellsite Geologist: Steve Crawford

Designate Type of Completion

X New Well Re-Entry Workover

X Oil SWD Temp. Abd.

 Gas Inj Delayed Comp.

 Dry Other (Core, Water Supply, etc.)

If OWD: old well info as follows:
Operator:

Well Name:

Comp. Date Old Total Depth

Drilling Method:
X Mud Rotary Air Rotary Cable

08-11-90 08-16-90 08-17-90
Spud Date Date Reached TD Completion Date

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. Received!

Signature Steve Crawford Date 9-15-90

Title OWNER-OPERATOR

Subscribed and sworn to before me this 15th day of SEPTEMBER, 19 90.

Notary Public Connie Newell

Date Commission Expires 4-9-94

9-17-1990
SEP 17 1990

K.C.C. OFFICE USE ONLY

- F Letter of Confidentiality Attached
- C ✓ Wireline Log Received
- C Drillers Timelog Received

Distribution

- ✓ KCC
- KGS
- SWD/Rep
- Plug
- NGPA
- Other

(Specify)



SIDE TWO

Operator Name S & M Oil Company

Lease Name Kern "B"

Well # 1

Sec. 6 Twp. 9 Rge. 16W
 East
 West

County Rooks

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests given 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 sheets 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

Log Sample

Name	Top	Bottom
Anhydrite	1268	1304
Topeka	2850	3067
Kansas City	3107	3352

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	#19	208'	60-40poz	140	3%cc; 2%gel
production		5 1/2	#14	298'	50-50poz	340	6%gel
				3420'	60-40poz	120	8%salt; 4%g.l. 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

one	3114	3295		9,000 gal. 15% HCL	
	3150	3316		limited entry	
	3165	3342			
	3202	3037			
	3212	3088			
	3224				
	3270				
	3288				

TUBING RECORD

Size 2 7/8 Set At 3386 Packer At -- Liner Run Yes No

Date of First Production 9-8-90 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil 35 Bbls. Gas --- Mcf Water 140 Bbls. Gas-Oil Ratio --- Gravity 34

Disposition of Gas:

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

METHOD OF COMPLETION

Open Hole Perforation Dually Completed Commingled

Other (Specify)

CONNIE NEWELL

15-163-23102-00-00

Phone 316-793-5861, Great Bend, Kansas

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

ALLIED CEMENTING CO., INC. No. 9822
Home Office P. O. Box 31 Russell, Kansas 67665

Date **8-11-90** Sec **6** Twp **9** Range **16** Called Out **4:15 PM** On Location **4:15 PM** Job Start **6:00 PM** Finish **6:00 PM**
Lease **Kenn B** Well No. **#2** Location **Cadell 66N-1E-5S** County **Rooks** State **Kan**
Contractor **Red Tiger Drilling**

Type Job **Surface**
Hole Size **12 1/4** T.D. **212'**
Csg. **8 5/8** Depth **205'**
Tbg. Size **6 3/4** Depth
Drill Pipe **6 3/4** Depth
Tool **6 3/4** Depth
Cement Left in Csg. **15'** Shoe Joint
Press Max **15'** Minimum
Meas Line **15'** Displace **2.0**
Perf.

Owner **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 **205 N Jefferson**
City **Plainville** State **Kan** **67663**
The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No. **11230**
Amount Ordered **140 SKS 60/40 P02 3%CC 2%bel**
Consisting of
Common **84**
Poz. Mix **56** @ **5.00** = **280.00**
Gel. **3** @ **225** = **675.00**
Chloride **4** @ **6.75** = **27.00**
Quickset **4** @ **20.00** = **80.00**
Sales Tax **126.00**
Handling **90¢**
Milage **3¢** @ **12m** = **36.00**
Sub Total **802.40**
Total **802.40**

EQUIPMENT		
No.	Cementor	
Pumptrk 153	Helper	Walt
Pumptrk 212	Helper	Dave
Bulktrk 212	Driver	Glenn
Bulktrk	Driver	

DEPTH of Job		
Reference:	Pumptruck	360.00
	Plus - 8 5/8 wooden	40.00
	100 per mile	12.00
	Sub Total	412.00
	Tax	
	Total	

Remarks: **Cement Drill Core**

Received **SEP 17 1990**
9-17-1990
Mark

15-163-23102-00-00

3-2627, Russell, Kansas
 Phone 316-793-5861, Great Bend, Kansas

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

New
ALLIED CEMENTING CO., INC. No. 9856
 Home Office P. O. Box 31 Russell, Kansas 67665

Date	8-17-90	Sec.	6	Twp.	9S	Range	16W	Called	12:05 A.M.	On Location	2:30 A.M.	Job Start	8:45 A.M.	Finish	9:30 A.M.
Lease	Kennett B	Well No.	1	Location	Plainville	6 1/2 E SN 1/8 E 1/8 S		County	Rooks	State	Ks.				
Contractor	Red Tiger Drilling Co.		Rig #		2		Owner	Same							
Type Job	Two-stage Production String														
Hole Size	7 7/8"		I.D.		3425										
Csg.	5 1/2"		Depth		3420'										
Csg. Size	8 3/8"		Depth		208'										
Drill Pipe															
Tool	D.V. (Arrow)		Depth		1298' KB										
Cement Left in Csg.	9'		Shoe Joint		8.59'										
Press Max	1500#		Minimum												
Meas Line	X		Displace												
Perf.															

EQUIPMENT

No.	Cementer	Gary H.
Pumptrk #191	Helper	Marlyn K.
No.	Cementer	
Pumptrk #146	Helper	
Bulktrk #146	Driver	Ed K.
Bulktrk	Driver	

DEPTH of Job	Reference	Rate	Total
	#3 Pumptruck-top stage	\$400.00	
	#14 mileage @ 1.00/mi	N/C	
	Sub Total	\$400.00	
	Tax		
	Total		

Remarks: Plugged rat hole w/15 sks.
 D.V. tool opened & closed O.K.
 and held.
 Cement Circulated
 (Approx 40 sks.)

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 Company
 Street: 205 N. Jefferson
 City: Plainville, State: Ks. 67663

The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No. *Miss Wagon*
 Amount Ordered: 340 sks @ 50/sk per 6.29/sk

Consisting of	Common	170 sks @ 5.00/sk	\$850.00
	Poz. Mix	170 sks @ 2.25/sk	382.50
	Gel	12 sks @ 6.75/sk	81.00
	Chloride		
	Quickset		
	Handling	@ 90¢/sk (340 sks)	306.00
	Mileage	@ 0.34/sk/mi (13 mi)	132.60
	Sub Total		1752.10
	Total		

Floating Equipment: Thanks
 2152.10
 less 20% disc - 430.40
 #1721.70

SEP 17 1990
 9-17-1990
 WICHITA KANSAS

3-2627, Russell, Kansas

16-793-5861, Great Bend, Kansas

Phone Plainville 913-434-2812

Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC. No. 9855

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	8-17-90	Sec.	6	Twp.	9 ^s	Range	16 ^w	Called Out	12:05 AM	On Location	2:30 AM	Job Start	5:45 AM	Finish	6:45 AM
Lease	Kern B	Well No.	1	Location	Plainville 6 1/2 E SN 1/8 E 1/8 S	County	Rooks	State	Ks.						

Contractor	Red Tiger Drilling Co.	Rig #	2
Type Job	Two-Stage Production String		
Hole Size	7 7/8"	I.D.	3 4/25"
Csg. Size	5 1/2"	Depth	3420'
Eq. Size	8 7/8"	Depth	208'
Drill Pipe		Depth	
Tool	D.V. (Arrow)	Depth	1298' KB
Cement Left in Csg.	9'	Shoe Joint	8.59
Press Max.	1100#	Minimum	
Meas Line	X	Displace	
Perf.			

EQUIPMENT

No.	Cementer	Gary H.
Pumptrk #191	Helper	Marlyn R.
No.	Cementer	
Pumptrk #212	Helper	
	Driver	Glen C.
Bulktrk #212	Driver	

DEPTH of Job		
Reference:	#3 Pumptruck-bottom stage	838.00
	#14 mileage @ 1.00/mi	134.00
	Sub Total	872.00
	Tax	
	Total	

Remarks: Float Held

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 Company**

Street **205 N. J. P. Pennington**

City **Plainville, Mo. 64663**

The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No. **1100**

Amount Ordered **120 sks 6/40 por 8 lbs salt, 4 bags Gilsonite**

Consisting of	220 gal	
Common	72 sks @ 5.00/sk	360.00
Poz. Mix	48 sks @ 2.25/sk	108.00
Gel	2 sks	N/C
Chloride Salt	8 sks @ 4.75/sk	38.00
Quickset		
Gilsonite	412# @ 29¢/lb	119.48
Sales Tax		
Handling	90¢/sk (120 sks)	108.00
Mileage	0.34/sk/mi (13 mi)	48.80
Sub Total		780.28
Total		

Floating Equipment	5 1/2"	
1- regular guide shoe		119.00
1- AFU insert (Model "C")		180.00
4- centralizers @ 44.50 ea		176.00
3- cementing baskets @ 121.00 ea		363.00
3- Limit clamps @ 12.00 ea		36.00
1- two-stage collar (Arrow)		2608.00
		3482.00

SEP 17 1990
9-17-1990
Thanks