

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

ORIGINAL

API NO. 15- 077-21361 0000

County Harper County, Kansas

NE: NE - NE Sec. 28 Twp. 31 Rge. 9 XX ^E _W

330 Feet from S (circle one) Line of Section

330 Feet from E (circle one) Line of Section

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

Lease Name Lukens Well # 1-28

Field Name Spivey-Grabs Basil

Producing Formation Mississippi

Elevation: Ground 1659' KB 1668'

Total Depth 4550' PBD 4550'

Depth of Surface Pipe Set and Cemented at 263' Feet

Multiple Stage Cementing Collar Used? Yes X No

yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan Att. 1, 12-16-98
(Data must be collected from the Reserve Pit)

Chloride content 41,000 ppm Fluid volume 1,200 bbls

Dewatering method used Hauled offsite

Location of fluid disposal if hauled offsite:

Operator Name Messenger Petroleum, Inc.

Lease Name Nicholas SWD License No. 4706

NE Quarter Sec. 20 Twp. 30 S Rng. 8 EW

County Kingman Docket No. DS27434

Operator: License # 5144

Name: Mull Drilling Co., Inc.

Address P.O. Box 2758

City/State/Zip Wichita, KS 67201-2758

Purchaser: Spivey Gasoline Plant

Operator Contact Person: Scott Hampel

Phone (316) 264-6366 ext. 12

Contractor: Name: Duke Drilling Co., Inc.

License: 5929

Wellsite Geologist: Scott Mueller

Designate Type of Completion
 New Well Re-Entry Workover

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

If Workover:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

08-17-98 08-23-98 10-10-98

Spud Date Date Reached TD Completion Date

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 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 Scott Hampel

Title VP-Production & Engineering Date 12/10/98

Subscribed and sworn to before me this 10th day of December, 1998.

Notary Public Tannis L. Tritt

Date Commission Expires March 26, 1999

K.C.C. OFFICE USE ONLY			
F	<input type="checkbox"/>	Letter of Confidentiality Attached	
C	<input checked="" type="checkbox"/>	Wireline Log Received	
C	<input checked="" type="checkbox"/>	Geologist Report Received	
Distribution			
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep	<input type="checkbox"/> NGPA
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug	<input type="checkbox"/> Other
(Specify)			

TANNIS L. TRITT
Notary Public - State of Kansas
My Appt. Expires 3.26.99

Operator Name Mull Drilling Co., Inc.

SIDE TWO

Lease Name Lukens **Well #** J-28

Sec. 28 Twp. 31 Rge. 9
 East
 West

County Harper County, Kansas

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: **Eli Wireline Services:**
 CNL-Density, Sonic, DIL

Log	Formation (Top), Depth and Datum	Sample
	Name Top Datum	
	Heebner 3540 - 1872	
	Lansing 3712 - 2044	
	Stark 4148 - 2480	
	B/KC 4249 - 2581	
	Cherokee 4379 - 2711	
	Mississippi 4433 - 2765	
	RTD 4549	

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	12-1/4"	8-5/8" New	20#	263'	60/40 Poz	175	3%cc 2%gel
Production	7-7/8"	4-1/2" Used	10.5#	4548'	ASC	125	

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 ID				
<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 (Amount and Kind of Material Used) Depth
4	4436' - 4450'	Acidized Perfs w/1000 gals 15% MCA
		Fracture stimulated w/31,600 gals 25# Delta Frac Fluid and 50,000#

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2 3/8"	4405'		12/20 sand.
Date of First, Resumed Production, SWD or Inj.	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
10-10-98				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity
	0	44	89	N/A N/A

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

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

Production Interval 4436'-4450'

ALLIED CEMENTING CO., INC. 9650

Federal Tax I.D.# 48-0727860

REMIT TO P.O. BOX 31 RUSSELL, KANSAS 67665

SERVICE POINT: Med-Lodge

Table with columns: DATE (8-10-98), SEC. (28), TWP. (31s), RANGE (9w), CALLED OUT (3:30 pm), ON LOCATION (5:00 pm), JOB START (8:08 pm), JOB FINISH (8:30 pm). Includes well # 1-28 and location Keystone Church, 2w, 2s, 1E, 1S, 9w into.

Table for job details including CONTRACTOR (Duke Rig #4), TYPE OF JOB (Surface), HOLE SIZE (12 1/4), CASING SIZE (8 7/8 x 20"), DEPTH (263), PRES. MAX (250), MEAS. LINE, CEMENT LEFT IN CSG. (15 feet), DISPLACEMENT (16.25), and EQUIPMENT section with PUMP TRUCK #255-265, BULK TRUCK #301, and DRIVER Mark Brung AADT.

Table for cement and charges including CEMENT AMOUNT ORDERED (175sx 60:40:2+3% cc), COMMON (105 @ 6.35 = 666.75), POZMIX (70 @ 3.25 = 227.50), GEL (3 @ 9.50 = 28.50), CHLORIDE (6 @ 28.00 = 168.00), HANDLING (175 @ 1.05 = 183.75), and MILEAGE (175x 26 @ .04 = 182.00). TOTAL \$1456.50.

REMARKS:

SERVICE

Pipe on bottom, break circulation w/ rig mix + pump 175sx 60:40:2+3% cc. Cement in stop pump switch valves + Release plug. Displace w/ 16.25 bbls freshwater. cement did circulate. shut in.

Table for service charges including DEPTH OF JOB (263'), PUMP TRUCK CHARGE (0-300' @ 470.00), EXTRA FOOTAGE (@), MILEAGE (26 @ 2.85 = 74.10), and PLUG (Wooden 8 5/8" @ 45.00). TOTAL \$589.10.

CHARGE TO: Mull Drilling Co. STREET Box 393 CITY Cheyenne STATE Colo. ZIP 80810 Wells

FLOAT EQUIPMENT

Table for float equipment charges with columns for amount and rate, showing a TOTAL of 0.00.

ATTN: Jerry Roane

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 is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

Table for tax and total charge showing TAX, TOTAL CHARGE (2045.60), and DISCOUNT (306.84) IF PAID IN 30 DAYS.

SIGNATURE Roger Goodman

NET \$1738.76 Roger Goodman PRINTED NAME

Date 8-24-98 District med lodge Ticket No. 9762
 Company mell Doh Rig Duke #4
 Lease KOKENS Well No. 1-28
 County Harper State KS
 Location Key Stone Church Field 28-31-9
20-25-1E-15

CASING DATA PTA Squeeze
 Surface Intermediate Production Liner
 Size 4 1/2 Type Used Weight 10.5 Collar _____

Casing Depths: Top _____ Bottom _____

Drill Pipe: Size 4 1/2 Weight 16.60 Collars Xhole
 Open Hole: Size 7 7/8 T.D. 4550 ft. P.B. to _____ ft.

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. 0.159 Lin. ft./Bbl. 62.70
 Open Holes: Bbls/Lin. ft. 0.602 Lin. ft./Bbl. 16.5993
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. 0.406 Lin. ft./Bbl. 24.6474
 Perforations: From _____ ft. to _____ ft. Amt: _____

CEMENT DATA:
 Spacer Type 500 gals mud-Clean
 Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG

LEAD: Pump Time _____ hrs. Type 60/40/4%Gc
 Excess _____

Amt. 25 Skys Yield 1.40 ft³/sk Density 14.1 PPG

TAIL: Pump Time _____ hrs. Type CLASSA-ASC
5# Kol-seal Excess _____

Amt. 1.25 Skys Yield 1.57 ft³/sk Density 14.5 PPG

WATER: Lead 6.7 gals/sk Tail 7.23 gals/sk Total _____ Bbls.

Pump Trucks Used 302 Justin H.
 Bulk Equip. 301 James H.

Float Equip: Manufacturer _____
 Shoe: Type Reg. Guide Shoe Depth _____
 Float: Type AFU Insert-Flapper Depth _____
 Centralizers: Quantity 8 Plugs Top Rubber Btm. _____
 Stage Collars _____
 Special Equip _____
 Disp. Fluid Type Fresh H₂O Amt. 7 3/4 Bbls. Weight 8.34 PPG
 Mud Type Chemical Weight 9.1 PPG

COMPANY REPRESENTATIVE _____ CEMENTER Narry Dreiling

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS	
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period		RATE Bbls Min.
9:30		300					Pipe on Bottom - Break Circ.
11:20		300		12		5	mix + Pump 500gals. mud-Clean.
11:23		50		4		3	Plug Rathole w/ 155xs 60/40/4
11:27		300		35		5 1/2	that was shoe w/ 155xs 60/40/4 Cement 155xs. Class A + Asc.
11:34							5# Kol-seal per sx
11:39		50		6		4	Cement In. stop Pumps
11:40		200		5		4	wash out Pump lines
		200		6		5 1/2	Release Plug
		200		25		5 1/2	start Fresh H ₂ O Displace
		200		37		5 1/2	Increase Rate - Steady PSI
		300		52		4	mud clean turn shoe
		500		70		3	Asc. Cement turn shoe
		1100		73 1/2		3	slow Rate
							PSI lift
							Decrease Rate
							Bump Plug
							Release PSI
							Float Held

ALLIED CEMENTING CO., INC.

ORIGINAL
9762

Federal Tax I.D.# 48-0727860

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Med. Lodge, KS

DATE	8-24-98	SEC.	28	TWP.	31S	RANGE	9W	CALLED OUT	10:00 P.M.	ON LOCATION	2:30 A.M.	JOB START	11:00 A.M.	JOB FINISH	1:00 P.M.
LEASE	Hixens	WELL #	1-28	LOCATION	Keystone Church, 2W-			COUNTY	Harper	STATE	KS.				
OLD OR NEW	(Circle one)		DS-1E-1S												

CONTRACTOR Duke Drq.
 TYPE OF JOB Prod. CSG
 HOLE SIZE 7 7/8 T.D. 4550
 CASING SIZE 4 1/2 x 10.5 DEPTH 4549
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX 1100 MINIMUM 200
 MEAS. LINE _____ SHOE JOINT 11.36
 CEMENT LEFT IN CSG. _____

OWNER Mull Drq.
 CEMENT
 AMOUNT ORDERED 12.5 SXS. CLASS A + ASC +
5* Kol-Seal. 2.5 SXS. CLASS A 60/40/
4% Gel. 500 Gals. mud-Clean
 Did not have mouse hole - used 1.5 SXS.
 COMMON 9 @ 6.35 57.15
 POZMIX 6 @ 3.25 19.50
 GEL 1 @ 9.50 9.50
 CHLORIDE _____ @ _____
 ASC 125 @ 8.20 1025.00
 Kol-Seal 625# @ .38 237.50
 MUD-CLEAN 500 Gals @ .75 375.00
 HANDLING 140 @ 1.05 147.00
 MILEAGE 140 X .26 .04 145.60

PERFS. _____
 DISPLACEMENT 7 3/2 Bbs Fresh H₂O
 EQUIPMENT
 PUMP TRUCK CEMENTER Acry Drilling
 # 302 HELPER Justin Hart
 BULK TRUCK
 # 301 DRIVER James Holt
 BULK TRUCK
 # _____ DRIVER _____

RECEIVED
SEP 11 1998
MULL DRILLING SERVICE

TOTAL \$ 2016.25

REMARKS:

Pipe on Bottom - Break Circ.
 ml x + Pump 500 gals. mud-Clean
 Plug Rathole - 1.5 SXS. 60/40/4. Plug
 mouse hole - 10 SXS. 60/40/4. Cement
 12.5 SXS. CLASS A + ASC + 5* Kol-Seal.
 wash out Pump + lines Pump + Displace
 Plug w/ 7 3/2 Bbs. Fresh H₂O. Pump
 Plug Release PSI. Float Held

DEPTH OF JOB 4549'
 PUMP TRUCK CHARGE _____ 1214.00
 EXTRA FOOTAGE _____ @ _____
 MILEAGE 26 @ 2.85 74.10
 PLUG Rubber 4 1/2" @ 38.00 38.00

TOTAL \$ 1326.10

CHARGE TO: Mull Drq. Co Inc.
 STREET Box 393
 CITY Cheyenne STATE Co. ZIP 80810
Wells

FLOAT EQUIPMENT

1-Reg. Guide shoe @ 140.00 140.00
 1-AFU Insert @ 235.00 235.00
 8-Centerlizers @ 53.00 424.00

TOTAL \$ 799.00

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 is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX _____
 TOTAL CHARGE 4141.35
 DISCOUNT 621.20 IF PAID IN 30 DAYS
 NET \$ 3520.15

SIGNATURE X Gary Little

SIGNATURE X Gary Little
 PRINTED NAME _____