

ORIGINAL

CONFIDENTIAL

RELEASED

SIDE ONE

FEB 28 1991

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

API NO. 15- 163-23,069-0000
County Rooks FROM CONFIDENTIAL

NE NE SE Sec. 19 Twp. 10S Rge. 19 East West

2240' Ft. North from Southeast Corner of Section

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

Lease Name HENRY BERLAND Well # 4-19

Field Name Marcotte

Producing Formation Arbuckle

Elevation: Ground 2213 KB 2218

Total Depth 3860' PBTD 3859'

Operator: License # 6033

Name: Murfin Drilling Company

Address 250 N. Water,

Suite 300

City/State/Zip Wichita, Ks. 67202

Purchaser: Clear Creek, Inc.

Operator Contact Person: Larry Jack

Phone (316) 267-3241

Contractor: Name: Murfin Drilling Co.

License: 6033

Wellsite Geologist: Roger Welty

Designate Type of Completion

- New Well Re-Entry Workover
- Oil SWD Temp. Abd.
- Gas Inj Delayed Comp.
- Dry Other (Core, Water Supply, etc.)

If OWMO: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

- Mud Rotary Air Rotary Cable

11-25-89 12-5-89 12/27/89

Spud Date Date Reached TD Completion Date

APR 25 1990

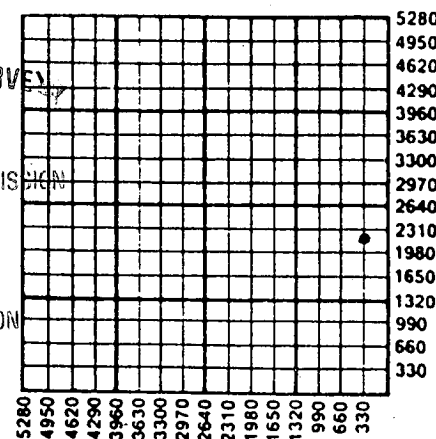
KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH

RECEIVED

STATE CORPORATION COMMISSION

2-6-90
6 1990

OIL & GAS CONSERVATION DIVISION
Wichita, Kansas



ACT II done
8-14-90

Amount of Surface Pipe Set and Cemented at 255' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 1636' Feet

If Alternate II completion, cement circulated from 1636'

feet depth to surface w/ 425 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 By: Larry M Jack

Title Larry M. Jack, Production Manager Date 2/5/90

Subscribed and sworn to before me this 5 day of Feb., 19 90.

Notary Public Kerran Redington

Date Commission Expires 2/6/94

K.C.C. OFFICE USE ONLY

Letter of Confidentiality Attached

Wireline Log Received

Drillers Timelog Received

Distribution

KCC SWD/Rep NGPA

KGS Plug Other (Specify)

KERRAN REDINGTON
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 2-6-94

ORIGINAL

SIDE TWO

Operator Name Murfin Drilling Company Lease Name HENRY BERLAND Well # 4-19
 Sec. 19 Twp. 10S Rge. 19 East County Rooks
 West

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		
Name	Top	Bottom
ANHYDRITE	1606	
B/ANHYDRITE	1643	
TOPEKA	3213	
HEEBNER	3425	
TORONTO	3447	
LANSING	3463	
BKC	3671	
ARBUCKLE	3786	
RTD	3860	
LTD	3860.5	

See Attached Sheet for DST info.

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"	24#	255'	60/40 poz	150	3% cc, 2% ge
production	7 7/8"	5 1/2"	15.5 & 17#	3859'	Common	175	10% salt, .5% CFR3
				Top	Howcolite	375	1/2% flocele
					Common	50	

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
8	3796-98'	250 gal. 15% DSFE	3796-98'
		250 gal. SWIC	"

TUBING RECORD Size 2 7/8" Set At 3798' Packer At _____ Liner Run Yes No

Date of First Production 1/10/90 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	29	---	40	---	---

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 3796-98'

JAN 10 1990

Operator: Murfin Drilling Company

- . HENRY BERLAND #4-19
- . Hember Prospect #2167
- . NE NE SE Sec. 19-10S-19W
- . Rooks County, Ks.

ORIGINAL

DST #1: 3508-3520 (D-zone)

Rec: 475' SW
HP: 1771-1773, SIP: 1025-993, FP: 105-180/233-278

DST #2: 3526-3550

Rec: 201' W (5% O)
248' W (7% O)
HP: 1731-1710, SIP: 856-814, FP: 63-84/116-19C
BHT: 102°
Chlorides: 42,000, sys - 26,000

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FROM CONFIDENTIAL

DST #3: 3607-3670' (I, J & K zones)

45-45-45-45
Rec: 30' M, 1' FO
HP: 1794-1773, SIP: 645-370, FP: 42-42/52-52, BHT: 104°

DST #4: 3703-3750' (Congl)

30-45-45-45
Rec: 35' M w/spts oil on tool
HP: 1837-1814, SIP: 845-592, FP: 42-42/52-57, BHT: 107°

DST #5: 3777-3791 (Arbuckle)

45-45-45-45
Rec: 60' M
HP: 1899-1878, SIP: 951-867, FP: 84-74/63-63, BHT: 106°

DST #6: 3777-3798 (Arbuckle)

30-60-45-90
Rec: 660' total fluid
120' HOCM (35% O, NW, 65% M)
240' WMCO (50% O, 7% W, 43% M)
180' HOCMW (25% O, 56% W, 20% M)
120' OCW (5% O, 95% W)
HP: 1920-1878, SIP: 962-951, FP: 137-201/222-296, BHT: 112°

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CORPORATION DIVISION
Wichita, Kansas

DST #7: 3798-3808 - (Arbuckle)

30-45-30-30
Rec: 150' M w/few spks oil
No pressures - plugging action

DST #8: 3798-3808 (Arbuckle)

30-60-45-60
Rec: 214' O, 551' W
SIP: 1056-1046, FP: 158-201/264-317, HP: 1890-1878

15-163-23069-0000

PHONE:
AREA CODE 913 482-2827

ALLIED CEMENTING COMPANY, INC.
P. O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

CONFIDENTIAL

TO: Murfin Drilling Company
250 N. Water #300
Wichita, Kansas 67202

INVOICE NO. 55340
PURCHASE ORDER NO. _____
LEASE NAME Berland 4-19
DATE Nov. 25, 1989

OK
Chy 9/21
[Signature]

SERVICE AND MATERIALS AS FOLLOWS:

RELEASED

Common 90 sks @\$5.00
Pozmix 60 sks @\$2.25
Gel 3 sks @\$6.75
Chloride 5 sks @\$20.00

FEB 28 1991 \$ 450.00
135.00
20.25
100.00

FROM CONFIDENTIAL

\$ 705.25

Handling 150 sks @\$0.90
Mileage (14) @\$0.03c per sk per mi
Surface
Mi @\$1.00 pmp. trk.
1 plug

135.00
63.00
360.00
14.00
40.00

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STATE CORPORATION COMMISSION

612.00

FEB 6 1990

Total

\$ 1,317.25

Cement circ.

CONSERVATION DIVISION
Wichita, Kansas

(263.45)

\$ 1,053.80

03600 CC8W 6942 1317.25 Comt S. Edge Dix
THANK YOU
(263.45)

Phone 913-483-2627, Russell, Kansas
 Phone 816-793-5861, Great Bend, Kansas

ORIGINAL CONFIDENTIAL
New

Phone Plainville 913-434-2812
 Phone Ness City 913-798-3842

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

No. 7539

Date	11-25-89	Sec.	19	Twp.	10 ^s	Range	19 ^w	Called Out	5:45 P.M.	On Location	7:15 P.M.	Job Start	9:05 P.M.	Finish	9:30 P.M.
Lease	Benland	Well No.	4-19		Location			Zunich 2W 4 1/2 S 1/4 W	County	Rooks	State	Ks.			
Contractor	Muntin Dalg. Co.			Rig #		8									
Type Job	Set Surface Pipe														
Hole Size	12 1/4"		T.D.		256'										
Csg.	8 3/8"		Depth		256'										
Tbg. Size			Depth												
Drill Pipe			Depth												
Tool			Depth												
Cement Left in Csg.	15'		Shoe Joint												
Press Max.			Minimum		-										
Meas Line			Displace		X										
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 Muntin Dalg. Company

Street 250 N. Water, Suite 300

City Wichita State Ks. 67202

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

Purchase Order No. [Signature]

X [Signature]

CEMENT

EQUIPMENT

No.	Cementer	<u>Gary H. Wayne Mc.</u>
Pumptrk 191	Helper	
No.	Cementer	<u>Blen C.</u>
Pumptrk	Helper	
Bulktrk #60	Driver	
Bulktrk	Driver	

Amount Ordered	<u>150 sks 6 1/4 doz 2log, 3lcc.</u>	
Consisting of		
Common	<u>90 sks @ \$5.00/sk.</u>	<u>\$450.00</u>
Poz. Mix	<u>60 sks @ 2.25/sk.</u>	<u>135.00</u>
Gel.	<u>3 sks @ 6.75/sk.</u>	<u>20.25</u>
Chloride	<u>5 sks @ 20.00/sk.</u>	<u>100.00</u>
Quickset		
Sales Tax		
Handling	<u>2 90 1/sk (150 sks)</u>	<u>135.00</u>
Mileage	<u>@ 3 1/4/sk/mi (14 mi.)</u>	<u>63.00</u>
Sub Total		<u>\$903.25</u>
Total		

DEPTH of Job		
Reference #	Description	Amount
#1	Pumptruck-surface	<u>360.00</u>
#8	1-8 3/8" surface plug	<u>40.00</u>
#14	Mileage @ 4.50/mi	<u>14.00</u>
	Sub Total	<u>\$414.00</u>
	Tax	
	Total	

Remarks: Cement Circulated.

Floating Equipment Thanks

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FEB 28 1991

FROM CONFIDENTIAL