

ORIGINAL

SIDE ONE

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

Operator: License # 7271
Name: Bartling Oil Co.
Address 8550 Katy Freeway
Suite 128
City/State/Zip Houston, TX 77024
Purchaser: TEKAS
Operator Contact Person: Terry Maxwell
Phone (316) 624-1986
Contractor: Name: Murfin Drilling
License: 6033
Wellsite Geologist: N/A

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

If **OWO**: old well info as follows:
Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable
12-18-89 12-20-89 2-13-90
Spud Date Date Reached TD Completion Date

API NO. 15- 071-20484-0000

County Greeley

C SW SE Sec. 14 Twp. 20S Rge. 40 East West

660 Ft. North from Southeast Corner of Section

1980 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

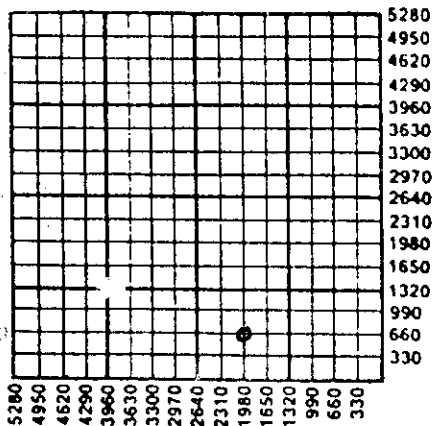
Lease Name Spears Well # 3

Field Name Bradshaw

Producing Formation Winfield

Elevation: Ground 3563 KB 3570

Total Depth 2940 PBD 2891



Amount of Surface Pipe Set and Cemented at 315 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 2920

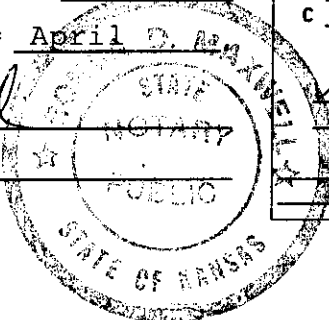
feet depth to Surface w/ 775 sx cmt.

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 Terry W Maxwell
Title Consultant Date 4-24-90

Subscribed and sworn to before me this 24 day of April, 1990.
Notary Public Ronda Maxwell
Date Commission Expires 12-13-92



K.C.C. OFFICE USE ONLY RECEIVED
STATE CORPORATION COMMISSION
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
APR 27 1990
Distribution
KCC _____ SWD/Reg
KGS _____ Plug
Wichita
Other (Specify)

ORIGINAL

SIDE TWO

Operator Name Bartling Oil Co. Lease Name Spears Well # 3
Sec. 14 Twp. 20S Rge. 40 East West County Greeley

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 (Attach Additional Sheets.) Samples Sent to Geological Survey Cores Taken Electric Log Run (Submit Copy.) Formation Description Log Sample Name Top Bottom Stone Corral 2415 2434 Upper Winfield 2807 2827 Ft. Riley 2867 2883

CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc.

Table with 8 columns: 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. Rows for Surface and Production.

PERFORATION RECORD and Acid, Fracture, Shot, Cement Squeeze Record. Includes columns for Shots Per Foot, Specify Footage of Each Interval Perforated, Amount and Kind of Material Used, and Depth.

TUBING RECORD Size 2 3/8 Set At 2824 Packer At N/A Liner Run Yes No

Date of First Production 4/31/90 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil Bbls. Gas Mcf 105 Water Bbls. 60 Gas-Oil Ratio Gravity

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.) METHOD OF COMPLETION: Open Hole Perforation Dually Completed Commingled Production Interval Other (Specify)

FIELD Bradshaw SEC. 14 TWP. 20S RNG. 40W COUNTY Greeley STATE KS

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD: OIL _____ SPD. WATER _____ SPD. GAS _____ MCFD

PRESENT PROD: OIL _____ SPD. WATER _____ SPD. GAS _____ MCFD

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH _____

WELL DATA

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>N</u>	<u>10.5</u>	<u>4 1/2</u>	<u>1.5</u>	<u>125</u>	
LINER						
TUBING						
OPEN HOLE			<u>7 7/8</u>	<u>350</u>	<u>2140</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
<u>5 7/8</u>		
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD <u>FRAC FALL</u>	<u>1</u>	<u>Hawco</u>
PACKER		
OTHER		

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>12-20-89</u>	DATE <u>12-20-89</u>	DATE <u>12-20-89</u>	DATE <u>12-21-89</u>
TIME <u>1430</u>	TIME <u>1830</u>	TIME <u>2345</u>	TIME <u>0100</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>G.D. MOORE</u>	<u>33670</u>	<u>LAMAR, CO</u>
<u>E. PAINTEN</u>	<u>1117</u>	<u>LAMAR, CO</u>
<u>J. CRAWFORD</u>	<u>1543</u>	<u>LAMAR, CO</u>
<u>M. DENHAM</u>	<u>4169</u>	<u>LAMAR, CO</u>
	<u>5070</u>	<u>LAMAR, CO</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. API

DISPL. FLUID _____ DENSITY _____ LB/GAL. API

PROP. TYPE _____ SIZE _____ LB.

PROP. TYPE _____ SIZE _____ LB.

ACID TYPE _____ GAL. _____ %

ACID TYPE _____ GAL. _____ %

ACID TYPE _____ GAL. _____ %

SURFACTANT TYPE _____ GAL. _____ IN

HE AGENT TYPE _____ GAL. _____ IN

FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN

GELLING AGENT TYPE _____ GAL.-LB. _____ IN

FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN

BREAKER TYPE _____ GAL.-LB. _____ IN

BLOCKING AGENT TYPE _____ GAL.-LB. _____

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

DEPARTMENT Cement

DESCRIPTION OF JOB Cement 4 1/2 Long string w/ 100 SKS HLC 2% CC 1/4" Flocite 100 SK STR 2% CC Flocite

JOB DONE THRU: TUBING CASING ANNULUS TSG./ANN.

CUSTOMER REPRESENTATIVE X 1 2 way h. W/OA

HALLIBURTON OPERATOR H. D. Moore COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	TYPE	API CLASS	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>175</u>	<u>HLC</u>	<u>50</u>	<u>Idemal</u>	<u>B</u>	<u>2% CC 1/4" Flocite</u>	<u>1.84</u>	<u>12.7</u>
<u>2</u>	<u>100</u>	<u>STD</u>	<u>50</u>	<u>Idemal</u>	<u>B</u>	<u>2% CC 1/4" Flocite</u>	<u>1.18</u>	<u>15.6</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ FRACTURE GRADIENT _____

SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____

ORDERED _____ AVAILABLE _____ USED _____

TREATING _____ DISPL. _____ OVERALL _____

FEET _____ REASON _____

PRELUSH: BBL.-GAL. _____ TYPE _____

LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____

TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 46.5

CEMENT SLURRY: BBL.-GAL. 242

TOTAL VOLUME: BBL.-GAL. 288.5

REMARKS

THANK YOU FOR CALLING HALLIBURTON

CUSTOMER: Burtling D. Co
WELL NO.: 53425
JOB TYPE: 4 1/2" Long string pipe 12-20-89

12-20-89
CONTRACT # 4111111111
Wichita, Kansas

JOB LOG

CUSTOMER Bartling Oil Co PAGE NO. 1
 JOB TYPE 4 1/2" Long String DATE 12-20-82

YOEM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1430							Called out
	1830							Request on loc
	1830							Will be Rig Pulling Pipe
	2330							Circulate w/ Rig
	2345						250	START MIX Cement
	0040	4.4	242				250	Finish MIX Cement
	0042							Drop Plug + Wash up
	0045						250	START Displacement
	0100	3.1	46.5				500	Finish Displacement
	0100						1500	Plug landed + Latched
	0100							Job. Complete
	0100							Circulated 23 BBL Cement

THANK YOU
 Jerry Ford
 4/1/83

APR 25 1990
 CONSERVATION DIVISION
 Wichita Kansas

HALLIBURTON SERVICES
JOB LOG

WELL NO. 3 LEASE SPEAR TICKET NO. _____
 CUSTOMER DAWSON OIL PAGE NO. _____
 JOB TYPE RV DATE 1/17/85

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL / GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								14, 20, 40 G-NEED 105
	18:30							REG ON LOG
	18:30							ON LOG
								Big Dole 260
								Hole in Mud. FF
								Mud. Hook up to CIA
								1. 1. CIA
	21:30	F				210		STAB CIA
		F	47			200		FINISH "
		F				200		STAB DIP
		F	19			210		FINISH HOLE
	21:45							CLOSE IN HOLE
								CIA CIA YES

25 1990
 CONCEPTS Division
 Wichita, Kansas

RETAIN

WELL DATA

SEC. TWP. RNG. COUNTY CHESTER STATE MS

FORMATION NAME, TYPE, THICKNESS, INITIAL PROD. OIL, BPD. WATER, BPD. GAS, MCFD, PRESENT PROD. OIL, BPD. WATER, BPD. GAS, MCFD, COMPLETION DATE, MUD TYPE, MUD WT., PACKER TYPE, SET AT, BOTTOM HOLE TEMP., PRESSURE, MISC. DATA, TOTAL DEPTH

Table with columns: NEW USED, WEIGHT, SIZE, FROM, TO, MAXIMUM PSI ALLOWABLE. Rows: CASING, LINER, TUBING, OPEN HOLE, PERFORATIONS.

JOB DATA

Table with columns: CALLED OUT, ON LOCATION, JOB STARTED, JOB COMPLETED. Rows: DATE, TIME.

TOOLS AND ACCESSORIES

Table with columns: TYPE AND SIZE, QTY., MAKE. Rows: FLOAT COLLAR, FLOAT SHOE, GUIDE SHOE, CENTRALIZERS, BOTTOM PLUG, TOP PLUG, HEAD, PACKER, OTHER.

PERSONNEL AND SERVICE UNITS

Table with columns: NAME, UNIT NO. & TYPE, LOCATION. Includes handwritten entry: 5063 WAT/ABC.

MATERIALS

TREAT. FLUID, DENSITY, LB/GAL. API, DISPL. FLUID, DENSITY, LB/GAL. API, PROP. TYPE, SIZE, LB., ACID TYPE, GAL., SURFACTANT TYPE, GAL., IN, WEA. AGENT TYPE, GAL., IN, FLUID LOSS ADD. TYPE, GAL.-LB., IN, GELLING AGENT TYPE, GAL.-LB., IN, FRIC. RED. AGENT TYPE, GAL.-LB., IN, BREAKER TYPE, GAL.-LB., IN, BLOCKING AGENT TYPE, GAL.-LB., PERFPAC BALLS TYPE, QTY., OTHER.

DEPARTMENT, DESCRIPTION OF JOB, JOB DONE THRU: TUBING, CASING, ANNULUS, TBC./ANN., CUSTOMER REPRESENTATIVE (X Terry Maxwell), HALLIBURTON OPERATOR, COPIES REQUESTED.

CEMENT DATA

Table with columns: STAGE, NUMBER OF BAGS, TYPE, API CLASS, BRAND, BULK BAGGED, ADDITIVES, YIELD CU.FT./SK., MIXED LBS./GAL.

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING, DISPLACEMENT, BREAKDOWN, MAXIMUM, AVERAGE, FRACTURE GRADIENT, SHUT-IN: INSTANT, HYDRAULIC HORSEPOWER, ORDERED, AVAILABLE, USED, AVERAGE RATES IN BPM, TREATING, DISPL., OVERALL, CEMENT LEFT IN PIPE, REASON, PREFLUSH: BBL.-GAL., TYPE, LOAD & BKDN: BBL.-GAL., PAD: BBL.-GAL., TREATMENT: BBL.-GAL., DISPL: BBL.-GAL., CEMENT SLURRY: BBL.-GAL., TOTAL VOLUME: BBL.-GAL., REMARKS.

APR 25 1990, CONSOLIDATED OIL & GAS, MEMPHIS, TENNESSEE

CUSTOMER: BKA T & L INC, LEASE: SPEAR, WELL NO.: 12-1721, JOB TYPE: RT