

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

API NO. 15- 15-135-23,924-00-00

County Ness

SW - SW - NW - Sec. 23 Twp. 17S Rge. 26 X ^E/_W

2310 Feet from X (circle one) Line of Section

330 Feet from X (circle one) Line of Section

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

Lease Name Norton "Z" Well # 1

Field Name _____

Producing Formation None **ORIGINAL**

Elevation: Ground 2475' KB 2480'

Total Depth 4490' PSTD _____

Amount of Surface Pipe Set and Cemented at 230' KB Feet

Multiple Stage Cementing Collar Used? _____ Yes X No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 230' KB

feet depth to surface w/ 150sx sx cnt.

Drilling Fluid Management Plan DATA 5-10-96
(Data must be collected from the Reserve Pit) LI

Chloride content 6,700 ppm Fluid volume 400 bbls

De-watering 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. _____

Operator: License # 5123

Name: Pickrell Drilling Co. Inc.

Address 110 N. Market, Suite 205

City/State/Zip Wichita, Kansas 67202

Purchaser: N/A

Operator Contact Person: Larry J. Richardson

Phone (316) 262-8427

Contractor: Name: Company Tools

License: 5123

Wellsite Geologist: Billy G. Klaver

Designate Type of Completion
X New Well _____ Re-Entry _____ Workover _____

Oil _____ SVD _____ S10W _____ Temp. Abd.
Gas _____ ENHR _____ S1GV _____
X Dry _____ Other (Core, NSV, Exp. or Other) _____

RECEIVED

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

Operator: FEB 12 1996

Well Name: _____

Comp. Date _____ Old Total Depth _____

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

1-22-96 2-1-96 2-1-96
Spud Date Date Reached TD Completion Date

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 C. W. Sebits

Title C. W. Sebits - President Date 2-12-96

Subscribed and sworn to before me this 12th day of February, 19 96.

Notary Public Verdella Lewis

NOTARY PUBLIC - STATE OF KANSAS
VERDELLA LEWIS
My Appt. Exp. 6-16-98

6-06-98

K.C.C. OFFICE USE ONLY
F _____ Letter of Confidentiality Attached
C X Wireline Log Received
C X Geologist Report Received
Distribution
X KCC _____ SVD/Rep _____ NGPA
_____ KGS _____ Plug _____ Other (Specify) _____

Operator Name Pickrell Drilling Co. Inc. Lease Name Norton "Z" Well # 1
 Sec. 23 Twp. 17S Rge. 26 East County Ness
 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.)

List All E.Logs Run:
 R A Guard Log

Log Formation (Top), Depth and Datum Sample

Name	Top	Datum
Anhydrite	1816(+ 644)	
Heebner	3771(-1291)	
Lansing	3812(-1332)	
Stark	4071(-1591)	
Base/Kansas City	4134(-1654)	
Marmaton	4196(-1716)	
Pawnee	4268(-1788)	
Fort Scott	4332(-1852)	
Cherokee	4356(-1876)	
Mississippian	4438(-1958)	

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 Casing	12 1/4"	8 5/8"	20#	230'KB	60-40 poz	150sx	2%gel, 3%CC

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose: P&A	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
Perforate		60-40 poz	235sx	60-40 poz, 6% gel.w/1/4# floseal/sx
Protect Casing				
Plug Back TD				
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

TUBING RECORD Size N/A Set At Packer At Liner Run Yes No

Date of First, Resumed Production, SWD or In]. Producing Method Flowing Pumping Gas Lift Other (Explain)

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

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

METHOD OF COMPLETION
 Open Hole Perf. Dually Comp. Commingled
 Production Interval

PICKRELL DRILLING COMPANY, INC.

110 NORTH MARKET - SUITE 205
WICHITA, KANSAS 67202-1996
(316) 262-8427

ORIGINAL

#1 Norton "Z"
SW SW NW
Section 23-17S-26W
Ness County, Kansas

API#: 15-135-23,924-00-00
2310' From North Line of Section
330' From West Line of Section
ELEV: 2480' KB, 2478' DF, 2475' GL

- 1-22-96: MIRT.
- 1-23-96: (On 1-22) Spud @ 7:20 PM. Ran 5 jts. of New 8 5/8" 20# Csg. set @ 230' KB, cmt w/150sx of 60-40 poz, 2% gel, 3% CC. Cmt circ. PD @ 3:15 AM on 1-23-96. Will drill plug @ 11:15 AM.
- 1-24-96: Drlg @ 1632'.
- 1-25-96: Drlg @ 2509'.
- 1-26-96: Drlg @ 3140'.
- 1-29-96: (On 1-27) Drlg @ 3767'. (On 1-28) Drlg @ 3981'. (stuck in hole from 6:30 PM on 1/27 to 2:00 PM on 1/28). (On 1-29) Drlg @ 4235'.
- 1-30-96: Testing @ 4366'. DST #1 4310'-4366'.
- 1-31-96: Testing @ 4444'. DST #2 4402-4444'. (On 1-30) DST #1 4310-4366', 30"-30"-30"-30" Rec: 5' M, IFP 12-12#, ISIP 23#, FFP 14-14#, FSIP 16#.
- 2-01-96: (On 1-31) DST #2 4402-4444', 30"-60"-30"-60" Rec: 40' OSpkM, IFP 20-20#, ISIP 1120#, FFP 26-30#, FSIP 1035#. (On 2-01) Drlg @ 4462'. Prep to drill to 4490' & Log. DST #3 4404-4449', 30"-60"-60"-90" Rec: 80' VSOCM (1% O, 99% M), IFP 32-34#, ISIP 1124#, FFP 46-46#, FSIP 1082#.
- 2-02-96: RTD 4490'. LTD 4490'. P&A as follows: 50sx @ 1860', 80sx @ 1200'; 40sx @ 600', 40sx @ 270', 10sx @ 40', 15sx in rathole (total 235sx) of 60-40 poz, 6% gel w/1/4# FS/sx. Plugged at 12:00 midnight on 2-01-96.

RECEIVED
KANSAS CORPORATION COMMISSION

FEB 12 1996

CONSERVATION DIVISION
WICHITA, KS

SAMPLE TOPS

Anhydrite	1820 (+ 660)
Base/Anhydrite	1855 (+ 625)
Heebner	3770 (-1290)
Lansing	3810 (-1330)
Stark	4070 (-1590)
Base/Kansas City	4134 (-1654)
Marmaton	4184 (-1704)
Fort Scott	4328 (-1848)
Cherokee	4353 (-1873)
Mississippian	4432 (-1952)
RTD	4490'

ELECTRIC LOG TOPS

Anhydrite	1816 (+ 644)
Heebner	3771 (-1291)
Lansing	3812 (-1332)
Stark	4071 (-1591)
Base/Kansas City	4134 (-1654)
Marmaton	4196 (-1716)
Pawnee	4268 (-1788)
Fort Scott	4332 (-1852)
Cherokee	4356 (-1876)
Mississippian	4438 (-1958)
Mississippian Porosity	4447 (-1967)
LTD	4490'

15-135-23924-00-00

ALLIED CEMENTING CO., INC.

4506

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

ORIGINAL

SERVICE POINT:

Grant Bond
2-2-96

DATE <u>2-1-96</u>	SEC. <u>23</u>	TWP. <u>17</u>	RANGE <u>26</u>	CALLED OUT <u>6 PM</u>	ON LOCATION <u>9 AM</u>	JOB START <u>9 PM</u>	JOB FINISH <u>12 AM</u>
LEASE <u>Norton</u>		WELL # <u>"2" 1</u>		LOCATION <u>Nasscoy 10W 7N 3E 1W 3/4 Sec 5E</u>		COUNTY <u>KS</u>	STATE <u>KS</u>

OLD OR NEW (Circle one)

CONTRACTOR Pickrell Drilling Rig #10 OWNER Same

TYPE OF JOB Rotary Plug CEMENT

HOLE SIZE 7 7/8 T.D. 4490 ft

CASING SIZE 8 3/8 DEPTH 233 ft

TUBING SIZE _____ DEPTH _____

DRILL PIPE 4 1/2 DEPTH 1860 ft

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

AMOUNT ORDERED	<u>235 60/100</u>	<u>62 1/4</u>	<u>1/4 Hazard</u>
COMMON	<u>141</u>	@	<u>6.10</u> <u>860.10</u>
POZMIX	<u>94</u>	@	<u>3.15</u> <u>296.10</u>
GEL	<u>12</u>	@	<u>9.50</u> <u>114.00</u>
CHLORIDE		@	
	<u>Flc Seal 59 #</u>	@	<u>1.15</u> <u>67.85</u>
		@	
		@	
		@	
		@	
HANDLING	<u>235</u>	@	<u>1.05</u> <u>246.75</u>
MILEAGE	<u>22</u>		<u>206.80</u>

EQUIPMENT

PUMP TRUCK CEMENTER Mike Munsch

224 HELPER Mike Munsch

BULK TRUCK DRIVER _____

BULK TRUCK DRIVER Duane S.

RECEIVED
KANSAS CORPORATION COMMISSION

TOTAL \$ 1791.60

FEB 12 1996

REMARKS:

Mix 50 ch at 1860 ft Displace with mud

Mix 40 ch at 1200 ft Displace with water

Mix 40 ch at 600 ft Displace with water

Mix 40 ch at 270 ft Displace with water

Mix 10 ch at 40 ft with plug at bit

Mix 15 ch in Rd Hole

DEPTH OF JOB	<u>1860 ft</u>		
PUMP TRUCK CHARGE			<u>445.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>22</u>	@	<u>2.35</u> <u>51.70</u>
PLUG <u>1-8 F. Drilling Plug</u>		@	<u>23.00</u> <u>23.00</u>
		@	
		@	

TOTAL \$ 519.70

CHARGE TO: Pickrell Drilling Company Inc

STREET 110 N. Market Suite 205

CITY wichita STATE KS ZIP 67202

FLOAT EQUIPMENT

		@	
		@	
		@	
		@	
		@	

Thank You
Head Cementing Co
Mike & Duane

