

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

API NO. 15- 057-20,526-0100 ORIGINAL
County FORD
- S/2 - SE - NW Sec. 34 Twp. 27s Rge. 21 X W
2310 Feet from S (circle one) Line of Section
1980 Feet from E (circle one) Line of Section

Operator: License # 4243
Name: Cross Bar Petroleum, Inc.
Address 151 N. Main, Suite 630

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)
Lease Name T.K.O. Well # 1-34

CONFIDENTIAL

City/State/Zip Wichita, KS 67202-1407
Purchaser: Kansas Gas Supply

Field Name PLEASANT VALLEY
Producing Formation MISSISSIPPIAN SPERGEN

Operator Contact Person: C. K. Morrison
Phone (316) 265-2279

Elevation: Ground 2333' KB 2342'
Total Depth RTD 5100' (-2758') LTD 5099' PBDT LPBDT=5043' (-2757')

Contractor: Name: Murfin Drilling Co., Inc., (Rig #21)
License: 30606

Amount of Surface Pipe Set and Cemented at 633.34' @ 643.64 Feet
Multiple Stage Cementing Collar Used? Yes X No

Wellsite Geologist: Thomas Blair Steve Davis

If yes, show depth set N/A Feet

Designate Type of Completion
X New Well Re-Entry Workover

If Alternate II completion, cement circulated from N/A

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

feet depth to w/ sx cmt.

Drilling Fluid Management Plan ALT 1 99/ 4-9-96
(Data must be collected from the Reserve Pit)

If Workover:
Operator: MAR 11 1997 **KCC**

Chloride content 12,000 ppm Fluid volume 100 bbls

Well Name: **FEB 10**
Comp. Date Old Total Depth **CONFIDENTIAL**

Dewatering method used Haul off free fluids; then allow to evaporate, dry & backfill
Location of fluid disposal if hauled offsite:
(NOTE: copies of CDP-5 enclosed)

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

Operator Name 1) Peter H. Beren/2) Cross Bar Petroleum, Inc.

11-25-94 12-05-94 12-29-94
Spud Date Date Reached TD Completion Date

Use Name 1) V. H. Koehn 2) Hyer License No. 1) 3051; 2) 4243
1) SW 28 29S 18W
2) NE Quarter Sec. 19 Twp. 27S S Rng. 21 E/W

County 1) Kiowa 2) Ford Docket No. 1) 5617 2) n/a

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. K. Morrison
Title C. K. Morrison, Operations Manager Date 2-10-95
Subscribed and sworn to before me this 10th day of February,
19 95.
Notary Public Jo Ann Thaden
Date Commission Expires 4-17-97

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



STATE CORPORATION COMMISSION
FORM ACO-1 (7-91)
RECEIVED
FEB 13 1995
CONSERVATION DIVISION
WICHITA, KANSAS
2-13-1995

Operator Name Cross Bar Petroleum, Inc. Lease Name T.K.O. Well # 1-34
 Sec. 34 Twp. 27S Rge. 21 East County Ford
 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.)

Log Formation (Top) Depth and Datums Sample
 Name Top Datum

* SEE SUPPLEMENT ATTACHED HERETO

PLEASE KEEP ALL INFORMATION CONFIDENTIAL

List All E.Logs Run:
 CAL; CDL/DSN; Computer Analyzed Log;
 Cement Bond Log; GR (Tie in TCP Gun)

CASING RECORD <input checked="" type="checkbox"/> New <input checked="" type="checkbox"/> Used							
New - Production Casing Use - Surface Casing							
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"	23#	644'	60/40 Pozmix	375	2% Gel 3% CaCl ₂ 1#/sk FloSeal
Production	7-7/8"	5-1/2"	15.5#	5089'	HLC	55	1#/sk Flocele
					EA-2	65	5% CalSeal 18% salt

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose: <input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives

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 spf	4940' - 4944'	None
4 spf	4953' - 4957'	None	

TUBING RECORD Size 2-3/8" 4.7# Set At 4961.27' KB Packer At 4868' KB Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. WO Pipeline Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil Bbls. Gas 1,000 Mcf Water TSTM Bbls. Gas-Oil Ratio Gravity

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)
 METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled
 Production Interval: 4940'-4944'
4953'-4957'

ACO-1 Well History (Supplement)

Log Tops & Drill Stem Tests

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Cross Bar Petroleum, Inc. # 1-34 T.K.O. S/2 SE NW Section 34 T27S-R21W
 API #15-057-20,526 (2390' FNL, 1980' FWL), Ford County, Kansas

FORMATION	LOG TOPS	DATUM
Anhydrite	1332'	+1010
Heebner	4126'	- 1784
Lansing 'A'	4263'	- 1921
Lansing 'B'	4304'	- 1962
Drum	4462'	- 2120
Stark	4574'	- 2232
Swope	4582'	- 2240
Hushpuckney	4620'	- 2278
Marmaton	4717'	- 2375
Pawnee	4793'	- 2451
Cherokee Shale	4837'	- 2495
Cherokee Porosity	4905'	- 2563
Mississippian Unconf	4933'	- 2591
Miss Spergen Porosity	4938'	- 2596
Miss Spergen Porosity	4954'	- 2612
Miss Spergen Porosity	4974'	- 2632
Logger's Total Depth	5099'	- 2757
Rotary Total Depth	5100'	- 2758

ORIGINAL

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RELEASED

KCC

MAR 11 1997

FEB 10

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FROM CONFIDENTIAL

DST #1, 2485'-2615' (Herington/Krider), 30-30-30-30, 1st op- strong blow- off btm of bucket in 15 sec. 2nd op- strong blow- off btm in 2-1/2 min. Rec 125' DM, no water. IHP 1186#, IFP 104-114#, ISIP 207#, FFP 119-130#, FSIP 481#, FHP 1161#, BHT 99°f.

DST #2, 4282'-4300' (Lansing 'A'), 30-60-45-60. 1st op- fair blow- 2" incr to 12". 2nd op- fair blow- 1" incr to 10". Rec 375' MW (96% W, 4% M), chl 94,000 / system chl 6,000. IHP 2019#, IFP 21-110#, ISIP 1421#, FFP 116-198#, FSIP 1404#, FHP 1975#, BHT 113°f.

DST #3, 4353'-4385' (Lansing 'D'), 30-60-30-60, 1st op- strong blow- btm of bucket in 1 min. 2nd op - strong blow- btm of bucket in 1 min. Rec 120' WM (40% W, 60% M) and 2300' SW. Chl 99,000 / sys chl 6,000. IHP 2008#, IFP 270-826#, ISIP 1384#, FFP 894-1163#, FSIP 1381# , FHP 1955#, BHT 113°f.

DST #4, 4888' -4957' (Mississippian), 45-60-45-90. 1st op- GTS in 1/2 min. Thru 1-1/2" orifice, gauged 2,675 MCFGD in 5 min, 4,349 MCFGD/10 min, 4,409 MCFGD/20 min, 4,468 MCFGD/30 min, & 4,468 MCFGD/40 min. 2nd op- gauged 4,170 MCFGD/10 min, 4,528 MCFGD/20 min, 4,528 MCFGD/30 min & 4,528 MCFGD/40 min. Rec approx 4,820 GIP, & 60' MW (55% W & 35%M); chl 16,000 / sys chl 6,000. IHP 2329#, IFP 916-927#, ISIP 1454#, FFP 896 - 890#, FSIP -1440#, FHP 2276#, BHT 123°f.

DST #5, 4958' - 4971' (Miss Spergen), 45-60-45-60. 1st op- GTS in 1/2 min. Thru 1-1/2" orifice, gauged 3,036 MCFGD in 5 min, 3,633 MCFGD/10 min, 3,752MCFGD/20 min, 3,811MCFGD/30 min & 3,811 MCFGD/40 min. 2nd op- ga 3,513 MCFGD/10 min, 3,871 MCFGD/20 min, 4,170 MCFGD/30, 4,110 MCFGD/40 min, 4,051 MCFGD/45 min. Rec 4675' GIP & 270' MW (97% W, 3%M); chl 23,000 / sys chl 8,000. IHP 2351#, IFP 705-883#, ISIP 1460#, FFP 771-885#, FSIP 1451#, IHP 2294#, BHT 123°f.

DST # 6 (straddle), 4980'-4994' (Miss Spergen), 60-60-45-90. 1st op-off btm of bucket in 30 sec; GTS in 10 min. Gauged 81.8 MCFGD in 12 min, 35.5 MCFGD/20 min, 21.9 MCFGD/30 min & 7.51 MCFGD/40 min. 2nd op- gauged 6.33 MCFGD/10 min, 9.2 MCFGD/20 min, 8.22 MCFGD/30 min, 8.56 MCFGD/40 min & 8.22 MCFGD/45 min. Rec 4320' GIP, 40' OCWM (5%O, 30%W, 65% M), 185' MW w/ oil spks (78%W, 22% M) & 435' SW. Chl 24,000 / system chl 7,000. IHP 2386#, IFP 55-175#, ISIP 1344#, FFP 198-292#, FSIP 1360#, FHP 2316#, BHT 126°f.

RECEIVED
 STATE CORPORATION COMMISSION
 FEB 13 1995
 CONSERVATION DIVISION
 WICHITA, KANSAS

ALLIED CEMENTING CO., INC.

0912

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

ORIGINAL

SERVICE POINT:

Medicine Lodge Ks.

DATE 11-25-94	SEC 34	TWP. 27S	RANGE 12W	CALLED OUT 12:00 P	ON LOCATION 4:30 P	JOB START 2:20	JOB FINISH 3:00
LEASE T.K.O	WELL # 1-34	LOCATION L.L.W/Moltouille rd #154 2W, 4 1/2 N/NW			COUNTY Ford	STATE KANSAS	

OLD OR NEW (Circle one)

CONFIDENTIAL

CONTRACTOR <u>Murphy Oils Reg # 21</u>	OWNER <u>Crossbar PET</u>
TYPE OF JOB <u>SURFACE</u>	CEMENT
HOLE SIZE <u>12 1/4</u>	T.D. <u>643</u>
CASING SIZE <u>8 5/8</u>	DEPTH <u>643</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT <u>44</u>
CEMENT LEFT IN CSG.	
PERFS.	

AMOUNT ORDERED 375 SK 60/40 P02 2%
Gel, 3% CaCl₂, 1/4" Flo-SEAL/SK

COMMON <u>225</u>	@ <u>5.75</u>	<u>1293.75</u>
POZMIX <u>150</u>	@ <u>3.00</u>	<u>450.00</u>
RELEASED GEL <u>6</u>	@ <u>9.00</u>	<u>54.00</u>
CHLORIDE <u>12</u>	@ <u>25.00</u>	<u>300.00</u>
<u>1997 Eco-Seal, 94#</u>	@ <u>1.10</u>	<u>103.40</u>
	@	
	@	
	@	
	@	
HANDLING <u>375</u>	@ <u>1.00</u>	<u>375.00</u>
MILEAGE <u>375 X 50</u>	<u>.04</u>	<u>750.00</u>

EQUIPMENT

PUMP TRUCK	CEMENTER <u>NEAL B</u>
# <u>255/265</u>	HELPER <u>CARL B</u>
BULK TRUCK	DRIVER <u>MARK B</u>
# <u>256/250</u>	
BULK TRUCK	DRIVER <u>KOC</u>
#	

RELEASED

MAR 11 1997

FROM CONFIDENTIAL

TOTAL 3326.15

FEB 10

REMARKS:

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SERVICE

RAD 8 5/8 TO 643 FT. RAD 5 3/8'S Fresh H₂O
Ahead of 375 SK 60/40 P02 2% Gel, 3% CaCl₂ 1/4"
Flo-SEAL/SK, DISPLACED Plug TO 599 FT
BUMPED BAFFLE PLATE - SHUT IN!
CEMENT DID CIRCULATE!
THANKS!

DEPTH OF JOB <u>643</u>		
PUMP TRUCK CHARGE		<u>430.00</u>
EXTRA FOOTAGE <u>343</u>	@ <u>.39</u>	<u>133.77</u>
MILEAGE <u>50</u>	@ <u>2.25</u>	<u>112.50</u>
PLUG <u>8 5/8" 2" Rubber Cup</u>	@ <u>42.00</u>	<u>42.00</u>
	@	
	@	

TOTAL \$718.27

CHARGE TO: Crossbar Petroleum Inc.
STREET 151 N. MAIN Centre City PLAZA
Suite 630
CITY wichita STATE Ks ZIP 67202

FLOAT EQUIPMENT

<u>BAKER'S DND Rubber</u>	<u>8 5/8</u>	
1-SAW TOOTH	@ <u>240.00</u>	<u>240.00</u>
1-BAFFLE PLATE (E)	@ <u>105.00</u>	<u>105.00</u>
2-CENTRALIZERS	@ <u>61.00</u>	<u>122.00</u>
1-BASKET	@ <u>180.00</u>	<u>180.00</u>
1-THO LOCK	@ <u>30.00</u>	<u>30.00</u>

TOTAL \$677.00

TAX	<u>-0-</u>
TOTAL CHARGE	<u>\$4721.42</u>
DISCOUNT	<u>\$944.28</u>

IF PAID IN 30 DAYS

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.

SIGNATURE X Matt Linnsey



Surface casing
#1-34 T.K.O.

JOB LOG HAL-2013-C

CUSTOMER Cross Bore Production	WELL NO. 1-34	LEASE TKO	JOB TYPE 5 1/2" Casing	TICKET NO. 741395
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CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	08:00							Called Out
	09:30							on location ORIGINAL
	09:30							Dell P.Pe Layed Down
	10:00							Require Run 5 1/2" Casing
	12:15							Start 5 1/2" Casing & Completion Float Equipment
	15:15							Casing on Bottom
	15:30							Hook up to Circulate
	15:45							Start Circulating
	17:00							Thru Circulating
	17:00							Hook up to Cement
1	17:06	6	25 BBL				300	Pump 25 BBL Cl-Fix w/c
2	17:12	"	18 BBL				300	Pump 18 BBL SuperFloc
3	17:15		5 BBL				300	Pump 5 BBL Cl-Fix w/c
4	17:20		4 BBL				0	Plug Bot Hole
5	17:25		3 BBL				0	Plug Mousehole
6	17:29	5	17 BBL				300	Start Mixing Rest of Lite Cement
7	17:33		24 BBL				300	10 V E.S. 2 Cement
8	17:37						0	Cement Mixed, Close Valve, Release Valve
	17:40							Washout Pump Down, open Top Valve
9	17:43	8					0	Start Displacement
10	17:57	4	110				500	SLP Retarding P.Pe 10 BBL From landing Plus
11	18:01	0	10				1500	Plug Down
12	18:03							Release Psl Float Hold
								41 BBL Total Cement
								120 BBL Total Displacement
								Thank you, Kurt Detert

CONFIDENTIAL

KCC

FEB 10

CONFIDENTIAL

RELEASED

FEB 11 1997

FROM CONFIDENTIAL

RETAIN

Cement Production Casing #1-34 TKO

