FORM MUST BE TYPED

SIDE ONE

19-27-21W

COPY

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

API NO. 15- 057-20530

County Ford

___E
___-___NW__NW-__NE_ Sec. _19__ Twp. _27S__ Rge. _21___ __X_W

___330_____ Feet from S/(N) (circle one) Line of Section

___2310_____ Feet from (E)/W (circle one) Line of Section

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

Operator: License # _4243

Name: _Cross Bar Petroleum, Inc.

Address __Centre City Plaza

__151 N. Main, Suite 630

City/State/Zip __Wichita, KS 67202-1407

Purchaser: N/A

Operator Contact Person: _C. K. Morrison

Phone (_316_)_265-2279

Contractor: Name: _Murfin Drilling Co., Inc.

License: __30606

Wellsite Geologist: __Thomas E. (Tom) Blair
Richard S. (Steve) Davis

Designate **Type of Completion**
__X__ New Well _____ Re-Entry _____ Workover

_____ Oil _____ SWD _____ SIOW _____ Temp. Abd.
_____ Gas _____ ENHR _____ SIGW
__X_ Dry _____ Other (Core, WSW, Expl., Cathodic, etc)

Lease Name __Hyer_____ Well # 1-19

Field Name ___Konda SE

Producing Formation __D & A

Elevation: Ground ___2393'_____ KB _2402'

Total Depth __RTD = 5130' LTD = 5134'_ PBTD _--

Amount of Surface Pipe Set and Cemented at __628' @ 639___ Feet

Multiple Stage Cementing Collar Used? _____ Yes ___X___ No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan D&A JH 1-12-96
(Data must be collected from the Reserve Pit)

Chloride content __27,000____ppm Fluid volume __1960___bbls

Dewatering method used _Allow to evaporate dry, then backfill._

Location of fluid disposal if hauled offsite:

Operator Name _____

Lease Name _____ License No. _____

_____ Quarter Sec._____ Twp._____S Rng._____E/W

County _____ Docket No._____

If **Workover:**

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

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

_12-10-94_____ __12-21-94_____ ___12-22-94_____
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. K. Morrison

Title _C. K. Morrison, Operations Manager_____ Date _1-9-94_____

Subscribed and sworn to before me this _9th__ day of _January_____, 19 _95__.

Notary Public Martha A. Bryan

Date Commission Expires __7-24-97 Martha A. Bryan

MARTHA A. BRYAN
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 7-24-97

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WICHITA, KANSAS

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)

JS

Form ACO-1 (7-91)

SIDE TWO

Operator Name _Cross Bar Petroleum, Inc._____ Lease Name _Hyer_____ Well # 1-19_____

Sec. _19__ Twp. _27S_ Rge. 21___ ☐ East ☒ West

County __Ford_____

COPY

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.)	* ☒ Yes	☐ No
Samples Sent to Geological Survey	☒ Yes	☐ No
Cores Taken	☐ Yes	☒ No
Electric Log Run (Submit Copy.)	☒ Yes	☐ No

List All E.Logs Run: DIL/GR
CDL/DSN

* ☒ Log **Formation (Top), Depth and Datums** ☐ Sample

Name	Top	Datum

*See Supplement

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"	23#	639'KB	60-40 Pozmix	375	2% gel 3% CC 1/4#/sk Flo Seal

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top	Depth Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate					
___ 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 Set At Packer At Liner Run ☐ Yes ☐ No

Date of First, Resumed Production, SWD or Inj. 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: **METHOD OF COMPLETION** Production Interval

☐ Vented ☐ Sold ☐ Used on Lease (If vented, submit ACO-18.)

☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled _____N/A_____

☒ Other (Specify) ____D & A_____

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ACO-1 Well History (Supplement)

Log Tops & Drill Stem Tests

COPY

Cross Bar Petroleum, Inc. # 1-19 Hyer NW NW NE Section 19T 27S-R21W
API #15-057-20,530 (330' FNL, 2310' FEL), Ford County, Kansas

FORMATION	LOG TOPS	DATUM
Anhydrite	1409'	+ 993
Heebner	4166'	- 1764
Lansing	4296'	- 1894
Lansing 'B'	4336'	- 1934
Drum	4488'	- 2086
Stark	4594'	- 2192
Swope	4598'	- 2196
Hushpuckney	4634'	- 2232
Marmaton	4739'	- 2337
Pawnee	4805'	- 2403
Cherokee Shale	4854'	- 2452
Cherokee Porosity	Absent	
Mississippian Unconf	4962'	- 2560
Miss Spergen Porosity	4986'	- 2584
Miss Warsaw Porosity	5053'	- 2651
Rotary Total Depth	5130'	- 2728
Logger's Total Depth	5099'	- 2757

DRILLSTEM TESTS

DST #1, 2556'-2635' (Krider), Mis-run. Hit bridge @ 700' - could not get to btm.

DST #2, 2556'-2635' (Krider). 30-30-30-60, 1st op - 2 to 4" blow, 2nd op - 1 to 3" blow throughout. Rec 70' hvy mud. IHP 1384#, IFP 80-85#, ISIP 399#, FFP 87-94#, FSIP 417#, FHP 1333#, BHT 98°f.

DST #3, 4580'-4606' (Lower Dennis), 30-60-30-60. 1st-op - 1/2" blow incr to 3-1/2". 2nd-op - 1/2" incr to 2". Rec 185' MW (90% W); chl 89,000 / sys chl 4000. IHP 2184#, IFP 28-69#, ISIP 1550#, FFP 89-103#, FSIP 1550#, FHP 2151#, BHT 118° F.

DST #4, 4952'-4976' (Mississippian), 45-60-45-90. 1st op - GTS in 13 min. Gauged 31.9 MCFD/15 min; 38.6 MCF/ 20 min; 40.7MCF / 30 min & 40.7 MCF / 40 min. 2nd op - Gauged 53.9 MCF/ 10 min.; 46.1 MCF / 20 min; 40.7MCF / 30 min; 39.6 MCF / 40 min & 38.6 MCF/ 45 min. (1/2" orifice) Rec 70' DM. IHP 2371#, IFP 21-23#, ISIP 1384#, FFP 25-25#, FSIP 1384#, FHP 2316#, BHT 127° F.

DST #5, 4982'-5002' (Miss Spergen), 45-60-45-90. 1st op - GTS in 4 min. Gauged 288 MCF/ 8 min, 317 MCF / 10 min, 331 MCF / 20 min, 317 MCF / 30 min, & 288 MCF / 40 min. 2nd op - Gauged 344 MCF / 10 min, 317MCF / 20 min, 274 MCF / 30 min, 259 MCF / 40 min, & 251 MCF / 45 min. (3/4" orifice). Rec 85' gassy mud (6%G, 94%M); IHP 2371#, IFP 57-57#, ISIP 1123#, FFP 57-28#, FSIP 1088#, FHP 2318#, BHT 128° F.

DST #6, 5000'-5047' (Miss Spergen), 30-60-45-90. 1st op - blow off btm of bucket immed. 2nd op - GTS in 1 min. Gauged 19.9 MCF / 10 min, 13.6 MCF / 20 min, 15.4 MCF / 30 min, 16.3 MCF / 40 min, & 16.8 MCF/ 45 min. Rec 4,830' GIP, 100' gassy mud w/ oil specks (10%G, 90%M) & 60' GOCM (10%G, 18%O, 72%M). IHP 2460#, IFP 53-60#, ISIP 1406#, FFP 60-84#, FSIP 1367#, FHP 2391#, BHT 130° F.

DST# 7, 5038'-5055' (Miss Warsaw), 30-60-45-90. 1st op- off btm in 21 min. 2nd op - off btm in 22 min. Rec 120' gas in pipe & 550' MW (92% W). Chl 17,000 / sys chl 4,500. IHP 2483#, IFP 23-144#, ISIP 1434#, FFP 153-263#, FSIP 1412#, FHP 2338#. BHT 130°f, rW 0.81.

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