

CONFIDENTIAL

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

API NO. 15- 097-21,386-000 ORIGINAL

County Kiowa

S/2 SW Sec. 35 Twp. 29S Rge. 18 X E/W

Operator: License # 4243

610 Feet from (S)NK (circle one) Line of Section

Name: Cross Bar Petroleum, Inc.

1370 Feet from (W) (circle one) Line of Section

Address Centre City Plaza

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

151 N. Main, Suite 630

City/State/Zip Wichita, KS 67202-1407

Lease Name Schmidt Well # 1-35

Purchaser: Kansas Gas Supply/Texaco Trading

Field Name Wildcat

Operator Contact Person: C. K. Morrison

Producing Formation Mississippian

Phone (316) 265-2279

Elevation: Ground 2168' KB 2177'

Contractor: Name: Murfin Drilling Co., Inc. Rig

Total Depth 5050' PBDT 4950'

License: 30606

Amount of Surface Pipe Set and Cemented at 497.14' @ 507 Feet

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

Multiple Stage Cementing Collar Used? Yes No No

Designate Type of Completion  
 New Well  Re-Entry  Workover

If yes, show depth set N/A Feet

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

If Alternate II completion, cement circulated from N/A

feet depth to w/ sx cmt.

Drilling Fluid Management Plan ALT 1 8/7 5-7-96  
(Data must be collected from the Reserve Pit)

If Workover:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

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

2-20-95 3-1-95 4-26-95  
Spud Date Date Reached TD Completion Date

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Well content 34,000 ppm Fluid volume 700 bbls  
Dewatering method used Allow pits to evaporate dry,  
then backfill

Location of fluid disposal hauled offsite: N/A

Operator Name 6-16-95  
Lease Name JUL 15 1996

Conservation Division CONFIDENTIAL

County \_\_\_\_\_ Docket No. \_\_\_\_\_

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 Mrg. Date 6-16-95

Subscribed and sworn to before me this 16th day of June, 1995.

Notary Public JoAnn 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)

JO ANN THADEN  
NOTARY PUBLIC  
STATE OF KANSAS  
My Appt. Exp. \_\_\_\_\_

SIDE TWO

Operator Name Cross Bar Petroleum, Inc. Lease Name Schmidt Well # 1-35

Sec. 35 Twp. 29S Rge. 18  East  West

County Kiowa

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 pressure, 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 Datum  Sample  
 Name Top Datum

See Attached Supplement

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

List All E.Logs Run:  
 Dual Induction, Dual Compensated Porosity,  
 Cement Bond, Perforating & Plug Record

CASING RECORD <input type="checkbox"/> New <input checked="" type="checkbox"/> 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"	25#	509' KB	60/40 Pozmix	290	3% CaCl <sub>2</sub> , 2% Gal 1#/sk Floseal
Production	7-7/8"	5-1/2"	14#	5045' KB	HLC	50	1#/sx Flocele
					EA-2	45	5% Cal Seal, 18% Salt, 0.6% HALAD-

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> 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
4 jspf	4956'-4962'	15% MCA-500ga	4956'-4962'
	4950'-Alpha Big Boy CIBP		4950'
4 jspf	4912'-4916'	15% NEFe-500ga	4912'-4916'
		33,250ga Thix Wtr T-40 (X-Link) w/ 4000# 100-mesh, 16000# 20/40 Brady Sand	

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2-7/8"	6.5#	4940'	N/A
Date of First, Resumed Production, SWD or Inj. Gas 5/12/95 & Oil 6/13/95		Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	4	220	215		35.4

Disposition of Gas: **METHOD OF COMPLETION** Production Interval  
 Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled 4912'-4916'  
 (If vented, submit ACO-1B.)  Other (Specify) \_\_\_\_\_

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ORIGINAL

ACO- 1 WELL HISTORY SUPPLEMENT

Page 1

Cross Bar Petroleum, Inc. - #1-35 Schmidt - API #15-097-21,386  
S/2 SW/4 Sec. 35-T29S-R18W (610' FSL & 1370' FWL)  
Kiowa County, Kansas

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

LOG TOPS

<u>FORMATION</u>	<u>DEPTH</u>	<u>DATUM</u>
ANHYDRIDE	1101	+1077
KRIDER	2481	-304
COTTONWOOD	3017	-840
WABAUNSEE	3324	-1147
STOTLER	3448	-1271
EMPORIA	3529	-1352
HEEBNER	4125	-1948
BROWNLIME	4296	-2119
LANS A POR	4315	-2138
LANS B POR	4349	-2172
LANS C POR	4373	-2196
DRUM	4468	-2309
STARK	4571	-2394
SWOPE POR	4574	-2397
HUSHPUCKNEY	4621	-2444
HERTHA	4644	-2467
BASE/KC	4717	-2540
MARMATON	4729	-2552
ALTAMONT POR	4796	-2619
PAWNEE POR	4813	-2636
CHEROKEE SHALE	4845	-2677
MISS UNCONFORMITY	4956	-2779
MISS POR	5016	-2839
RTD/LTD	5050	-2873

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 JUL 15 1996  
 FROM CONFIDENTIAL  
 KCC  
 JUN 16  
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RECEIVED  
 KANSAS CORPORATION COMMISSION

JUN 16 1995

CONSERVATION DIVISION  
 WICHITA, KS

DRILL STEM TESTS

RESULTS OF DST #1, 2977'-3050', COTTONWOOD, 30-30-45-60

1st op - wk blow (3/4 to 2-1/2", 2nd), 2nd op - wk blow 5" (1 to 5"). RECOVERED: 65' wm (12% W, 88% M)  
 Recovery chl - 8000 ppm, System chl 6000 ppm.

IHP: 1477      IFP: 18-21#      ISIP 557#  
 FFP: 21-25#      FSIP: 764#      FHP 1358# BHT 101° F

RESULTS OF DST #2, 3325'-3362', WABAUNSEE, 30-60-30-60

1st op - OB in 23", 2nd op - increase to 12" in 30". RECOVERED: 20' DM,

IHP: 1622#      IFP: 28-28#      ISIP 227#  
 FFP: 28-28#      FSIP: 422#      FHP 1570# BHT 102° F

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ORIGINAL

**ACO- 1 WELL HISTORY SUPPLEMENT**

Page 2

**Cross Bar Petroleum, Inc. - #1-35 Schmidt - API #15-097-21,386**

S/2 SW/4 Sec. 35-T29S-R18W (610' FSL & 1370' FWL)

**Kiowa County, Kansas**

**PLEASE KEEP THIS INFORMATION CONFIDENTIAL**

**Drill Stem Tests (con't)**

**RESULTS OF DST #3, 4884'-4965', MISSISSIPPIAN, 45-60-45-120**

1st op- GTS 4", Gauged 259 MCFG/10", 219 MCFG/20" (3/4" choke), 26.6 MCFG/30" (severe plugging), 26.6 MCFG/40" (1/2" choke) - severe plugging). 2nd op - 29.4 MCFG/10" (severe plugging), 17.2 MCFG/20", 15.4 MCFG/30" (1/2" choke), 12.6 MCFG/40", 14.1 MCFG/45" (1/4" choke). RECOVERED: 4545' GIP, 155' GCWM (10% G, 17% W, 73% M) Recovery Chl - 6000 ppm. System Chl 3500 ppm & 175' GCM (20% G, 80% M).

IHP: 2371#      IFP: 137-202#      ISIP 559#  
FFP: 328-553#      FSIP: 562#      FHP 2327#      BHT 127° F

**RESULTS OF DST #4, 4884'-4970', MISSISSIPPIAN, 45-60-45-60**

1st op - GST 4", GA 227 MCFG/10", 236 MCFG/20", 156 MCFG/30", 156 MCFG/40" )3/4" choke).  
2nd op - 156 MCFG/10" (3/4" choke), 105 MCFG/20", 121 MCFG/30", 450 MCFG/40", 315 MCFG/50", 231 MCFG/60" (1/4" choke). RECOVERED: 4315' GIP, 62' GM (15% G, 85% M), 123' SOCGM (20% G, 4% O, 76% M), 185' O&WCGM (15% G, 15% O, 15% W, 55% M), 190' O&WCGM (10% G, 17% O, 13% W, 60%M) Recovery Chl 8600 ppm, System Chl 8000 ppm

IHP: 2404#      IFP: 132-281#      ISIP 557#  
FFP: 227-306#      FSIP: 548#      FHP 2316#      BHT 127° F,

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JUN 1 6

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# CONFIDENTIAL CEMENTING LOG

STAGE NO.

## ORIGINAL

Date 2/21/95 District Med. Lodge Ticket No. 1231  
 Company Cross Bar Petroleum Rig MURFIN #2  
 Lease Schmidt Well No. 1-35  
 County Kiowa State Ks  
 Location 35-29S-19W Field \_\_\_\_\_  
183454 Jet 74 S 3E 2S 4E N15

CASING DATA: PTA  Squeeze   
 Surface  Intermediate  Production  Liner   
 Size 8 7/8 Type \_\_\_\_\_ Weight 24# Collar \_\_\_\_\_

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Casing Depths: Top 0 Bottom 507  
 JUNE 9 5 1996

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Drill Pipe: Size \_\_\_\_\_ Weight \_\_\_\_\_ Collars \_\_\_\_\_  
 Open Hole: Size 12 1/4 T.O. 510 ft. P.B. to \_\_\_\_\_ ft.  
 CAPACITY FACTORS:  
 Casing: Bbls/Lin. ft. 10.637 Lin. ft./Bbl. 15.7019  
 Open Holes: Bbls/Lin. ft. 1.458 Lin. ft./Bbl. 6.8599  
 Drill Pipe: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Annulus: Bbls/Lin. ft. 10.735 Lin. ft./Bbl. 13.6037  
 Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Perforations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt. \_\_\_\_\_

CEMENT DATA:  
 Spacer Type: Fresh H<sub>2</sub>O  
 Amt. \_\_\_\_\_ Skys Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG

LEAD: Pump Time \_\_\_\_\_ hrs. Type 60' 140' 290 #1  
3% Cacl<sup>2</sup> 4" Flo Seal Excess \_\_\_\_\_  
 Amt. 290 Skys Yield 1.26 ft<sup>3</sup>/sk Density 14.8 PPG

TAIL: Pump Time \_\_\_\_\_ hrs. Type \_\_\_\_\_  
 Excess \_\_\_\_\_  
 Amt. \_\_\_\_\_ Skys Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG  
 WATER: Lead 516 gals/sk Tail \_\_\_\_\_ gals/sk Total 38.66 Bbls.

Pump Trucks Used 266 Justin Hart  
 Bulk Equip. 259-314 Mark Brungart

Float Equip: Manufacturer Baker  
 Shoe: Type Sawtooth Depth 507  
 Float: Type DAFLE Depth 466  
 Centralizers: Quantity \_\_\_\_\_ Plugs Top Wood Btm. \_\_\_\_\_  
 Stage Collars \_\_\_\_\_  
 Special Equip. 1-Cement Basket  
 Disp. Fluid Type \_\_\_\_\_ Amt. \_\_\_\_\_ Bbls. Weight \_\_\_\_\_ PPG  
 Mud Type \_\_\_\_\_ Weight \_\_\_\_\_ PPG

COMPANY REPRESENTATIVE Bill Wynn

CEMENTER Max Ball

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
11:00						on Loc Rig up
4:37	75			5	5	Pump Hdg Ahead
4:39	200			6.5	5	Mix amt 290 sks 60' 140' 290 #1 4" Flo Seal
4:54						Cmt mixed shut down drop plug
4:57	75			29.6	3	Start Displacement
5:06	750					Load plug close in Head Circulated 5 BBL amt to pit

KOC  
 JUN 1 6  
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# JOB SUMMARY

DIVISION \_\_\_\_\_  
HALLIBURTON LOCATION **PRATT**BILLED ON TICKET NO. **741664**WELL DATA  
FIELD \_\_\_\_\_ SEC. **35** TWP. **29s** RNG. **18w** COUNTY **King** STATE **KS**FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_  
FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_  
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 \_\_\_\_\_

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	u		5 1/2"	KB	5047	
LINER						
TUBING						
OPEN HOLE			7 7/8	5047	5050	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

**CONFIDENTIAL****JOB DATA**

CALLED OUT DATE	ON LOCATION DATE	JOB STARTED DATE	JOB COMPLETED DATE
3-2	3-2	3-2-95	3-2-95
TIME 14:00	TIME 17:00	TIME 18:00	TIME 23:00

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <b>1 1/2" x 5 1/2"</b>	<b>1</b>	<b>Baker</b>
FLOAT SHOE		
GUIDE SHOE <b>Rsg 5 1/2"</b>	<b>1</b>	<b>Baker</b>
CENTRALIZERS <b>5 1/2"</b>	<b>8</b>	<b>Baker</b>
BOTTOM PLUG		
TOP PLUG <b>5W AL 5 1/2"</b>	<b>1</b>	<b>HES</b>
HEAD		
PACKER		
OTHER <b>Baker 1</b>	<b>1</b>	<b>Baker</b>

**PERSONNEL AND SERVICE UNITS**

NAME	UNIT NO. & TYPE	LOCATION
<b>6 Byerly 85824</b>	<b>39601 P.H.</b>	<b>PRATT KS</b>
<b>L GARNER 62723</b>	<b>52504 RLM</b>	<b>"</b>
<b>J McDuff 74221</b>	<b>50808 Bulk</b>	<b>"</b>

**RELEASED****1111 15 1996****FROM CONFIDENTIAL****JUN 16**DEPARTMENT **Cement**  
DESCRIPTION OF JOB **5 1/2" Long string****CONFIDENTIAL**JOB DONE THRU: TUBING  CASING  ANNULUS  TBG/ANN. CUSTOMER REPRESENTATIVE **X**  
HALLIBURTON OPERATOR **Alan Byerly** COPIES REQUESTED \_\_\_\_\_**CEMENT DATA**

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<b>75</b>	<b>Howco light</b>		<b>B</b>	<b>1/4# Floccle</b>	<b>1.90</b>	<b>12.40</b>
	<b>45</b>	<b>EA-2</b>		<b>B</b>	<b>52 Gal. 50/182 Sol. 68 Hbl. 3237 K. limits, 4" 0.9 in.</b>	<b>1.43</b>	<b>15.18</b>

**PRESSURES IN PSI**CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_  
BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_  
AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_  
SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN. \_\_\_\_\_  
HYDRAULIC HORSEPOWER \_\_\_\_\_  
ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_  
AVERAGE RATES IN BPM \_\_\_\_\_  
TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_  
CEMENT LEFT IN PIPE \_\_\_\_\_  
FEET **40.34** REASON **Shoe off****SUMMARY****VOLUMES**PRESLUSH BBL. GAL. **30 + 18** TYPE **Clafix or Super Flush**  
LOAD & BKDN: BBL. GAL. \_\_\_\_\_ PAD: BBL. GAL. \_\_\_\_\_  
TREATMENT: BBL. GAL. \_\_\_\_\_ DISPL. BBL. GAL. **122.2**  
CEMENT SLURRY BBL. GAL. **36.8**  
TOTAL VOLUME: BBL. GAL. \_\_\_\_\_**REMARKS****25 bbl water**  
**18 bbl Super Flush**  
**5 bbl water**  
**31.8 bbl water**CUSTOMER CROSS BAK  
LEASE Schmidt  
WELL NO. 1-35  
JOB TYPE Long string  
DATE 3-2-95



HALLIBURTON

ORIGINAL

DATE: 3-2-95 PAGE NO. 1

JOB LOG HAL-2013-C

CUSTOMER: Crossb9R WELL NO.: 1-35 LEASE: Schmidt JOB TYPE: Longstring TICKET NO.: 741664

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	17:00							On Location
	18:00							Start casing in hole (Comp. Ft. equipment)
								Casing on Bottom
	20:15							Break Circulation (Rig Pump)
	21:30							Finish Circulation
	21:36	7	25					200 Pump CLAFIX Water PreFlush
	21:42	7	18					200 Pump SuperFlush
	21:46	7	5					200 Pump SPACER clafix water
	21:50		0					200 Start Mixing lead 12.4"
	21:52		80					— Plug Rathole / mousehole
	21:59							200 Start Cmt Downhole
	22:02	6	25.3					175 Start Mixing Tail 15.2"
	22:06		36.9					150 Finish Mixing
	22:07		—					— Wash out lines
	22:09		—					— Release Plug
	22:10	7.0	0					0 Start Displacement
	22:16	4.6	86					0 Cement on Bottom — 105T circ — 85BBL
	22:29	4	118					650 Reduce Rate — got circ back 100BBL
	22:30		122.2					900 Land Plug
	22:30							1200 PSI up on Plug
								Release PSI
	22:31							Float held
								RELEASED
								Wash up KUL
								JUL 15 1996
								Job Complete JUN 16
								FROM CONFIDENTIAL CONFIDENTIAL
								Thanks
								Glen, Larry, Jaime

RELEASED

Home: (316)747-2380

Office: (316)747-2390

Thomas E. Blair  
Petroleum Geologist  
P.O. Box 280  
Douglass, Kansas 67039

JUL 15 1996

FROM CONFIDENTIAL

ORIGINAL

CONFIDENTIAL

March 6, 1995

Cross Bar Petroleum, Inc.  
151 N. Main Suite 630  
Wichita, KS 67202

API #15-097-21386

KCC

JUN 16

CONFIDENTIAL

Re: #1-35 Schmidt  
S/2 SW 35-29-18W  
Kiowa County, KS

Gentlemen:

Drilling of your above referenced test was completed on March 2, 1995.  
Service companies utilized were as follows:

Contractor: Murfin Drilling - Rig #21  
Drilling Fluids: Mud Systems, Inc.  
Testing: Trilobite Testing, L.L.C.  
Electric Logging: Tucker Wireline Services  
Gas Detector: Earth Tech  
Wellsite Geology: Richard S. (Steve) Davis from 2300 feet  
to 4280 feet and Thomas E. Blair from  
4280 feet to total depth.

All shows of oil and gas in this well were drillstem tested. The Cottonwood and Wabaunsee formations carried slight gas shows but were condemned by drillstem testing. The Mississippi Chert carried a slight oil stain with a rainbow show of free oil along with a very slight show of gas bubbles. Testing of this recovered a gas flow ranging from 105 mcf/day to 450 mcf/day with approximately 560 feet of oil and water cut gassy mud in the drill pipe. The water recovered was fresh water. Bottom hole pressures on this zone were 557# and 548#.

After careful examination of drill cuttings, drillstem test results, and electric logs, it was decided to set 5 1/2 inch casing in order to further test the Mississippian.

Respectfully submitted,

Thomas E. Blair  
Richard S. (Steve) Davis