

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

CONFIDENTIAL

Operator: License # 5135

Name: JOHN O. FARMER, INC.

Address: P.O. box 352

City/State/Zip: Russell, KS 67665

Purchaser:

Operator Contact Person: John O. Farmer, IV

Phone: (785) 483-3144

Contractor: Name: Discovery Drilling Co., Inc.

License: 31548

Wellsite Geologist: Randy Kilian/Matt Dreiling

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil SWD SLOW Temp. Abd.
- Gas ENHR SIGW
- Dry Other (Core, WSW, Expl., Cathodic, etc.)

If Workover/Re-entry: Old Well Info as follows:

Operator:

Well Name:

Original Comp. Date: Original Total Depth:

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

2/5/03	2/11/03	3-1-03
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 051-25,191-00-00

County: Ellis

130 S & 100 W of C SE NE Sec. 19 Twp. 12 S. R. 17W East West

2110 feet from (N) (circle one) Line of Section

760 feet from (E) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) (NE) SE NW SW

Lease Name: Schneidler Well #: 2

Field Name: Bemis-Schutts

Producing Formation: Arbuckle

Elevation: Ground: 2131' Kelly Bushing: 2139'

Total Depth: 3764' Plug Back Total Depth: 3754'

Amount of Surface Pipe Set and Cemented at 220.72 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 1335 Feet

If Alternate II completion, cement circulated from 1335'

feet depth to Surface w/ 350 sx cmt.

Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) All 11 En 4-8-03

Chloride content 12,000 ppm Fluid volume 320 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite:

Operator Name:

Lease Name: License No.:

Quarter Sec. Twp. S. R. East West

County: Docket No.:

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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 of 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: John O. Farmer IV
Title: Vice-President Date: 4-3-03

Subscribed and sworn to before me this 3rd day of April

Notary Public: Margaret A. Schulte
Margaret A. Schulte

Date Commission Expires:



KCC Office Use ONLY

Letter of Confidentiality Attached

If Denied, Yes Date: _____

Wireline Log Received

Geologist Report Received

UIC Distribution

X

Operator Name: JOHN O. FARMER, INC. Lease Name: SCHMEIDLE Well #: 2
 Sec. 19 Twp. 12 S. R. 17W East West County: Ellis

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

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:

Dual Compensated Porosity Log
 Dual Induction Log
 Microresistivity Log
 Cement Bond Log

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Name	Top	Datum
Anhydrite	1366'	(+773)
Base/Anhydrite	1404'	(+735)
Topeka	3124'	(-985)
Heebner	3362'	(-1223)
Toronto	3382'	(-1243)
Lansing	3406'	(-1267)
Stark	3591'	(-1452)
Base/KC	3631'	(-1492)
Arbuckle	3677'	(-1538)
R. T. D.	3771'	(-1632)

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 Pipe	12 1/4"	8 5/8"	23 #	220.72'	Common	150	2%Gel&3%CC
Production St.	7 7/8"	5 1/2"	15.5 #	3770'	ASC	150	3/4of1%CFR/2% ^{gel}
			DV Tool @	1335'	60/40Poz	350	6%Gel&1/4#FC/sk

ADDITIONAL CEMENTING / SQUEEZE RECORD

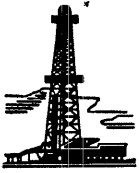
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

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 SPF	3680-86' (Arbuckle)	250 gals. 15% MA	
4 SPF	3692-98' (Arbuckle)	250 gals. 15% MA	
4 SPF	3704-07' (Arbuckle)	500 gals. 15% INS.	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-7/8"	3748'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Enhr.	Producing Method	Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
3-5-03	<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		40.28		0.82		26.9 ^o

Disposition of Gas **METHOD OF COMPLETION** Production Interval 3680-3707' (overall)
 Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled
 (If vented, Sumit ACO-18.) Other (Specify)



CONFIDENTIAL

**Discovery
Drilling**

P.O. Box 763 • Hays, KS 67601 • OFFICE (785) 623-2920 • CELLULAR (785) 635-1511

ORIGINAL
RELEASED
FROM
CONFIDENTIAL

DRILLER'S LOG

Operator: **John O. Farmer, Inc.**
PO Box 352
Russell, KS 67665

Contractor: **Discovery Drilling Co., Inc.**
PO Box 763
Hays, KS 67601

Lease: Schmeidler #2

KCC
APR 03 2003

Location: 130' S & 100' W of C/SE/NE
Sec. 19/12S/17W
Ellis Co., KS

Loggers Total Depth: 3771'
Rotary Total Depth: 3764'
Commenced: 2/5/03

Elevation: 2131' GL/2139' KB
Completed: 2/12/03
Status: Oil Well

Casing: 8 5/8" @ 220.72' w/150sks
5 1/2" @ 3770' w/150sks
DV Tool @ 1335' w/350sks

CONFIDENTIAL

DEPTHS & FORMATIONS
(All from KB)

Surface, Sand & Shale	0'	Shale	1402'
Dakota Sand	594'	Shale & Lime	1960'
Shale	729'	Shale	2436'
Cedar Hill Sand	836'	Shale & Lime	2974'
Red Bed Shale	1032'	Lime & Shale	3411'
Anhydrite	1363'	RTD	3764'
Base Anhydrite	1402'		

RECEIVED
APR 04 2003
KCC WICHITA

STATE OF KANSAS)
) ss
COUNTY OF ELLIS)

Thomas H. Alm of Discovery Drilling states that to the best of his knowledge the above and foregoing is a true and correct log of the above captioned well.

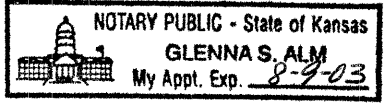
Thomas H. Alm

Subscribed and sworn to before me on 2-13-03

My Commission expires: 8-9-03

(Place stamp or seal below)

Notary Public



CONFIDENTIAL

ALLIED CEMENTING CO., INC. 11365

Federal Tax I.D. [REDACTED]

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

SERVICE POINT: Russell

ORIGINAL

KCC
APR 03 2003

CONFIDENTIAL

DATE <u>2-5-03</u>	SEC <u>19</u>	TWP. <u>12</u>	RANGE <u>17</u>	CALLED OUT <u>6:00pm</u>	ON LOCATION <u>7:00pm</u>	JOB START <u>9:00am</u>	JOB FINISH <u>9:15pm</u>
LEASE <u>Schmeidler</u>	WELL # <u>2</u>	LOCATION <u>Cathline 1W5N</u>			COUNTY <u>Ellis</u>	STATE <u>Ks</u>	

CONTRACTOR <u>Discovery #1</u>	OWNER
TYPE OF JOB <u>SURFACE</u>	
HOLE SIZE <u>12 1/2</u>	T.D. <u>221</u>
CASING SIZE <u>8 5/8</u>	DEPTH <u>220</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>15'</u>	
PERFS.	
DISPLACEMENT <u>13 bbls</u>	
EQUIPMENT	
PUMP TRUCK CEMENTER <u>Bill</u>	
# <u>345</u> HELPER <u>Dave</u>	
BULK TRUCK	
# <u>362</u> DRIVER <u>Shane</u>	
BULK TRUCK	
#	DRIVER

RELEASED FROM
CONFIDENTIAL

CEMENT AMOUNT ORDERED	
<u>1 sack Cem 3y-CC 2 1/2 bbl</u>	
COMMON <u>150</u>	@ <u>665</u> <u>997.50</u>
POZMIX	@
CHLORIDE <u>3</u>	@ <u>10.00</u> <u>30.00</u>
<u>5</u>	@ <u>30.00</u> <u>150.00</u>
HANDLING <u>150</u>	@ <u>1.00</u> <u>150.00</u>
MILEAGE <u>44/54 mile</u>	<u>120.00</u>
TOTAL	<u>1462.50</u>

REMARKS:

SERVICE

RECEIVED
APR 14 2003
KCC WICHITA

Ran 5/8 of 8 5/8 pipe
Plugged w/ 13 bbls of water
Centralid Circ. ✓

DEPTH OF JOB	
PUMP TRUCK CHARGE	<u>520.00</u>
EXTRA FOOTAGE	@
MILEAGE <u>20</u>	@ <u>3.00</u> <u>60.00</u>
PLUG <u>1-8 5/8 wood</u>	@ <u>45.00</u>
TOTAL	<u>625.00</u>

CHARGE TO: J.O. Farmer

STREET _____

CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	

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.

TOTAL	
TAX	
TOTAL CHARGE	

CONFIDENTIAL

ALLIED CEMENTING CO., INC. 11387

Federal Tax I.D. [REDACTED]

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

ORIGINAL SERVICE POINT: Russell
21203

DATE <u>2-11-03</u>	SEC. <u>19</u>	TWP. <u>12</u>	RANGE <u>17</u>	CALLED OUT <u>10:00 AM</u>	ON LOCATION <u>11:30 PM</u>	JOB START	JOB FINISH <u>3:30 AM</u>
LEASE <u>Schmeidler</u> WELL # <u>2</u> LOCATION <u>Taylor 7N</u>						COUNTY <u>Ellis</u>	STATE <u>Ka</u>
OLD OR <input checked="" type="radio"/> NEW (Circle one)							

KCC
APR 03 2003
CONFIDENTIAL

CONTRACTOR Discovery #1
 TYPE OF JOB St Prod string
 HOLE SIZE 7 7/8 T.D.
 CASING SIZE 5 1/2 DEPTH 3770.56
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT 14.78
 CEMENT LEFT IN CSG. 14.78
 PERFS.
 DISPLACEMENT 91.7 bbls.

OWNER
 CEMENT AMOUNT ORDERED
150 ASC 24.6 gal 3/16 CD 31
500 gal WFR 2
 COMMON 150 ASC @ 8.50 1275.00
 POZMIX @
 GEL 3 @ 10.00 30.00
 CHLORIDE @
CD 31 105 @ 8.00 840.00
WFR-2 500 gal @ 1.00 500.00
 @
 @
 @
 HANDLING 150 @ 1.00 150.00
 MILEAGE 44/SV/MILE 120.00
 TOTAL 2930.00

EQUIPMENT

PUMP TRUCK CEMENTER Bill
 # 345 HELPER mark
 BULK TRUCK
 # 213 DRIVER Glen
 BULK TRUCK
 # DRIVER

REMARKS:

SERVICE

Pipe all C 3770.56
Shoet 14.78
Fract 3759.08
pump 500 gal WFR 2 Follow w/ 150 asc
Cent pump plug w/ 59 bbls of water
Follow w/ 32.6 bbls of mud Land plug c 150"
float did hold

DEPTH OF JOB
 PUMP TRUCK CHARGE 1150.00
 EXTRA FOOTAGE @
 MILEAGE 20 @ 3.00 60.00
 PLUG @
 @
 @
 TOTAL 1190.00

CHARGE TO: J.O. Farmer
 STREET
 CITY STATE ZIP

FLOAT EQUIPMENT

4 - Centralizers @ 40.00 160.00
1 - Insekt @ 235.00
1 - Guide Shoe @ 150.00
8 - Scratchers - reciprocating @ 35.00 280.00
1 - DU-tool @ 286.00
1 - BUCKET 142.00
 TOTAL 3767.00

To Allied Cementing Co., Inc. #61
 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.

TAX
 TOTAL CHARGE

ALLIED CEMENTING CO., INC. 11388

Federal Tax I. [REDACTED]

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

SERVICE POINT:

ORIGINAL

CONFIDENTIAL

DATE <u>2-11-03</u>	SEC. <u>19</u>	TWP. <u>12</u>	RANGE <u>17</u>	CALLED OUT <u>10:00 PM</u>	ON LOCATION <u>11:30 PM</u>	JOB START	JOB FINISH <u>5:00 AM</u>
LEASE <u>Schmeidler</u>	WELL # <u>2</u>	LOCATION <u>Todan 7N</u>			COUNTY <u>Ellis</u>	STATE <u>Ks</u>	
OLD OR <u>NEW</u> (Circle one)							

2-12-03

KCC

APR 03 2003

CONFIDENTIAL

CONTRACTOR Discordant

TYPE OF JOB TOP STAGE

HOLE SIZE 7 7/8 T.D.

CASING SIZE 5 1/2 DEPTH

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT 32.6 bbls.

EQUIPMENT

PUMP TRUCK CEMENTER Bill

345 HELPER Mack

BULK TRUCK

362 DRIVER

BULK TRUCK

DRIVER

OWNER

CEMENT

AMOUNT ORDERED

350 bbls 6 7/8" 6% gel to # Flossal

Used 375 bbls

COMMON	<u>195</u>	@	<u>6.65</u>	<u>1296.75</u>
POZMIX	<u>130</u>	@	<u>3.95</u>	<u>513.50</u>
GEL	<u>16</u>	@	<u>10.00</u>	<u>160.00</u>
CHLORIDE		@		
<u>Flossal</u>	<u>81*</u>	@	<u>14.00</u>	<u>1134.00</u>
		@		
		@		
		@		
		@		
HANDLING	<u>350</u>	@	<u>1.00</u>	<u>350.00</u>
MILEAGE	<u>44.5K</u>	/MILE		<u>283.00</u>
TOTAL				<u>2696.65</u>

REMARKS:

D.U. Tod C 1340.00 ft. #61

150# PST to open tail

Cemt. w/ 325 lb. Cement

Pump plus w/ 32.6 bbls of water

Close top of 206 PST

Cemt. did CIV

15 bbls R.H.

10 bbls M.H.

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE 650.00

EXTRA FOOTAGE @

MILEAGE @

PLUG @

TOTAL 650.00

CHARGE TO: J.O. Faemon

STREET

CITY STATE ZIP

FLOAT EQUIPMENT

@

@

@

@

@

TOTAL

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 George W. Priesker

TAX

TOTAL CHARGE

DISCOUNT IF PAID IN 30 DAYS

PRINTED NAME

CONFIDENTIAL

ORIGINAL

SCHMEIDLER #2
2110' FNL AND 760' FEL
Section 19-12S-17W Ellis County, Kansas

KCC
APR 03 2003

Pipe Job

CONFIDENTIAL

2-11-03 Ran 94 joints- 3770.56' - 5 1/2" Used Casing. Tagged bottom and reciprocated Casing 20' for 20 minutes. Set 5 1/2" Casing at 3770' (1' off bottom). Mixed 500 gal. WFR2 Preflush and followed with 150 sxs. ASC Cement with 3/4 of 1% CFR2 and 2% Gel. Plug down at 3:30 AM 2-12-03. Float held. Dropped Bomb for DV Tool and let set till it reached the tool. Opened DV Tool and circulated for 15 minutes. Mixed 350 sxs. 60/40 Poz Mix, 6% Gel and 1/4# Flo-Seal per sx. Cement circulated. Plug down at 5:00 AM. Plug held. Mr. Williams with the KCC was on location to witness job.

Plugged Rat Hole with 15 sxs.

Plugged Mouse Hole with 10 sxs.

Centralizers at 3715', 3511', 3354' and one below the DV Tool.

Scratchers at 3710', 3695', 3680'. (Scratched from 3710' to 3660')

3588', 3573', 3558' (Scratched from 3588' to 3538')

3500', 3480' (Scratched from 3500' to 3460')

Shoe Joint- 14.78'

Float at 3755.22'

DV Tool at 1335' KB

CONFIDENTIAL

KCC

APR 03 2003

CONFIDENTIAL

ORIGINAL

SCHMEIDLER #2
2110' FNL and 760' FEL
Section 19-12S-17W Ellis County, Kansas

KCC
APR 03 2003

Completion

CONFIDENTIAL

- 2-22-03 Moved in Express Well Service Double Drum Derrick and rigged up. Ran 4 7/8" Bit on 2 7/8" Upset Used Tubing. Tagged DV Tool at 1335'. Drilled up DV Tool in 2 hours. Cleaned out and ran tubing down to Float. Tagged Plug at 3716'. Cleaned out to float at 3755'. Drilled up a little cement. Circulated hole clean. Pulled tubing and bit.
- 2-23-03 Shut Down.
- 2-24-03 Ran Correlation/Bond Log. Loggers TD- 3753'. Cement looks good overall. A little bad spot from 3730' to 3736' and the rest looks good. Top of Cement- 2614'. Top of good cement- 2900'. Rigged up casing swab and swabbed down to 3200'. Perforated Arbuckle from 3704' to 3707' with 4 holes per foot DP's. Ran 5 1/2" Packer on 2 7/8" Tubing. Set Packer at 3660'. Rigged up swab. Fluid at 3100'. Had a show of oil on top. Pulled from seating nipple on first pull. Ran back in and it was dry. Let set 30 minutes- 20' oil. Let set for 1 hour- 40' oil. Released packer and put in spotting position with bottom of tubing at 3708'. Rigged up swab and swabbed hole as dry as possible. Pulled 10' sub and set packer at 3695'. Shut in overnight.
- 2-25-03 Overnight fillup- 600'. Fluid at 3100'. Swab down- 3.1 Bbl., 85% oil. Let Set for 1 hour- 40' in hole. Not enough to load the swab so we got out with no fluid. 2nd hour- 80' oil. Released Packer and ran 10' sub. Spotted 150 gal. 15% INS acid over perforations 3704' to 3707'. Pulled sub and 1 joint and set Packer at 3660'. Loaded tubing. Let set 1 hour. Fluid did not move. Let set for another 1 1/2 hours and fluid still did not move. Pressured to 200#. It would bleed off slowly to 100# and we would bump it back up. After 1 hour we decided to swab it down and get hot acid on bottom. Swab down did not have any hot acid. Let set 20 minute- no fillup. Released Packer and ran back down to spotting position. Swabbed as dry as possible. Dumped 150 gal. 15% INS acid on bottom. Pulled 6 joints and 10' sub. Set Packer at 3510'. Loaded the tubing. After 15 minutes, fluid was still at surface. Shut in overnight.
- 2-26-03 Fluid at 1100' from surface with a show of oil on top. (Total load to recover 25 Bbls.) Swab down- 18.5 Bbl.- Short 6.5 Bbl. of the load (4.7 Bbl. fluid below the Packer- would be short 1.8 Bbl.) Very slight show of oil. Released Packer and ran 6 joints. Left Packer swinging at 3695' and ran the swab twice. Set packer at 3695'. Made one run and put on 1 hour test- 2 pulls per hour. 1st hour- 4.18 Bbl, 70% oil. 2nd hour- 2.50 Bbl., 95% oil. Problems with rig. Shut down about 12:30 P.M. Will be back running in morning.

CONFIDENTIAL

ORIGINAL

2-27-03 Overnight fillup- 2200'. Fluid was 1500' from the surface. No water. Oil is clean and gassy. Swab down- 15.03 Bbl. Put on 1 hour test- 2 pulls per hour. 1st hour- 3.34 Bbl. oil. 2nd hour- 2.1 Bbl. oil. 3rd hour- 1.25 Bbl. oil. Released Packer and ran 10' sub. Spotted 350 gal. 15% INS Acid. Pulled out 10 sub and 1 joint. Set packer at 3660'. Loaded hole and pressured to 100#. Staged in at 100# for first 6 Bbls. of Acid. Last Bbl. took 11 minutes to get in. Increased to 150# for 1.5 Bbls. Staged all the way. Last 1/2 Bbl. we increased to 200#. ISIP- 175#. 1 1/2 minutes- 100#. 5 minutes- 50#. On slight vacuum in 10 minutes. Let set 30 minutes and swabbed the load back. Total Load- 30.3 Bbl. Fluid at 250' from the surface. Swab down- 27.5 Bbl. Short 2.8 Bbl. of the load. Put on 15 minute pulls for 45 minutes- 4.17 Bbl. oil. Fluid had dropped to 150' per pull on last 15 minutes. Released Packer and pulled tubing and Packer.

KCC

APR 03 2003

CONFIDENTIAL

2-28-03 Perforated 3692' to 3698' and 3680' to 3686' with 4 holes per foot DP's. TD- 3754'. Fluid was at 2545'. Rigged up Stiff Straddle Packers with 12' between the rubbers. Ran in on 2 7/8" Tubing. Set bottom Packer at 3710' and top packer at 3699'. Isolated Arbuckle from 3704' to 3707'. Ran swab and fluid was at 2200'. Backside stayed dead. Ran back in and fluid was at 3200'. Not communicated up to 3692' to 3698'. Released Packer and reset Packers at 3700' and 3689'. Isolated perforations from 3692' to 3698'. Fluid at 2500' on 1st run. Backside was dead. Ran back in and fluid at 3300'. Not communicated up to perforations 3680' to 3686'. Let set 15 minutes- 300' oil in the hole. Much different gravity. 2nd 15 minutes- 170' oil. Released Packers and tagged fluid and spotted 250 gal. 15% Mud Acid over new Perforations 3692' to 3698'. Reset packers at 3700' and 3689'. Acid went on its own at 2 BPM for first 4 Bbls. Slowed down to .4 BPM by end of the job. ISIP- vacuum. Let set 15 minutes and swab load back. Total Load- 27.5 Bbl. Fluid was 600' down. Show of oil on 2nd pull. Good acid kick. Swab down- 27.5 Bbl. Definitely different gravity oil. Put on 15 minute pulls for 1 hour. 1st hour- 4.2 Bbl. oil. Released Packer and moved to Arbuckle perforations 3680' to 3686'. Tagged fluid and spotted 250 gal. 15% Mud Acid. Set Packers at 3690' and 3678'. Loaded tubing and let set about 15 minutes. Acid started going on its own at 1.25 BPM. ISIP- vacuum. Let set 15 minutes and swab load back. Total Load- 27.5 Bbl. Fluid was at 1600' on fist run. Good acid kick. Swab down- 25.9 Bbl. Short 1.6 Bbl. of the load. Put on 10 minute pulls for 1/2 hour- 11.27 Bbl. oil. Released Packer and ran swab twice to get acid off the backside. Started pulling tubing and Packers.

RECEIVED

APR 04 2003

KCC WICHITA

3-1-03 Finished pulling tubing and Packers. Ran 3' Perforated Sub- Bull Plugged, 1.1' Seating, 118 joints-3719.90'- 2 7/8" Upset Used Tubing, and 1-10', 1-8', and 1-6' Sub spaced 6' off bottom. Ran 2 1/2" x 1 1/2" x 12' Insert Pump on 88-2200'- 3/4" Sucker Rods and 60- 1500'- 7/8" Sucker Rods with 1-4' Pony, and 16' Polish Rod and 7' Liner. Hooked up well head. Tore down and moved off.

CONFIDENTIAL

ORIGINAL

SUMMARY

Arbuckle Perforations- 3704' to 3707' Tested Approximately 2.5 BOPH

Arbuckle Perforations 3692' to 3698' Tested Approximately 2.5 BOPH

Arbuckle Perforations 3680' to 3686' Tested Approximately 20 to 22 BOPH

TOTAL OF ALL ZONES— 25 TO 27 BOPH

KCC

APR 03 2003

CONFIDENTIAL