

FORM MUST BE TYPED

SIDE ONE

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

ORIGINAL

API NO. 15- 077-21,144 0001

County HARPER

E/2- NE - NE Sec. 11 Twp. 32 Rge. 6 ^E_W

4620 Feet from ^SN (circle one) Line of Section

330 Feet from ^PW (circle one) Line of Section

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

Lease Name CAROTHER BROS. OWWO Well # 1

Field Name

Producing Formation MISSISSIPPI DOLOMITE

Elevation: Ground 1326 KB 1335

Total Depth 4825' PBDT 4443

Amount of Surface Pipe Set and Cemented at OWWO @ 251

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set Feet

If Alternate II completion, cement circulated from

feet depth to w/ sx cmt.

Drilling Fluid Management Plan REENTRY JH 3-24-98
(Data must be collected from the Reserve Pit)

Chloride content 1350 ppm Fluid volume 480 bbls

Dewatering method used: Evaporation and allow to dry restore
area to near normal

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 # 8061

Name: OIL PRODUCERS, INC. OF KANSAS

Address P.O. BOX 8647

City/State/Zip WICHITA, KANSAS 67208

Purchaser: FARMLAND INDUSTRIES

Operator Contact Person: DIANA RICHECKY

Phone (316) 681-0231

Contractor: Name: DUKE DRILLING CO., THE **KIOWA WELL SERVICE**

License: 31625

Wellsite Geologist: WILLIAM SHEPHERD

Designate Type of Completion
New Well Re-Entry Workover

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

If Workover:

Operator: Sho-Bar Energy, Inc.

Well Name: Carothers 1-11

Comp. Date 2/6/86 Old Total Depth 4825

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

02/13/96 02/14/96 03/14/96

Date of START of WORKOVER Date Reached TD Completion Date of WORKOVER

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado 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 John S. Weir

Title President Date 2/28/97

Subscribed and sworn to before me this 28th of February, 1997.

Notary Public Diana L. Richecky

Date Commission Expires Jan 12, 2000

K.C.C. OFFICE USE ONLY		
F	<input type="checkbox"/>	Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/>	Wireline Log Received
C	<input type="checkbox"/>	Geologist Report Received
Distribution		
<input checked="" type="checkbox"/>	KCC	SWD/Rep
<input type="checkbox"/>	KGS	Plug
<input type="checkbox"/>		NGPA
<input type="checkbox"/>		Other (Specify)

Form ACO-1 (7-91)

DIANA L. RICHECKY
Notary Public - State of Kansas
My Appt. Expires 1/12/2000

02-02-1997
RECEIVED
KANSAS CORP COMM
1997 MAR -3 P 1:52

SIDE TWO

Operator Name Oil Producers, Inc. of Kansas Lease Name CAROTHERS BROS Well # 1

Sec. 11 Twp. 33S Rge. 6
 East
 West

County HARPER

ORIGINAL

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.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	NONE		
Electric Log Run (Submit Copy)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
List All E.Logs Run:	CORRELATION CEMENT BOND LOG			

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		8 5/8"		251			
PRODUCTION		4 1/2"	10.5	4509	60 40 POZ	35	
					EA-2	100	W/gas stop

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
2 shots	see attached completion report		
2	4369' - 4382'	1500 GALLONS 15% Fe ACID + 4000 GALLONS 15% SGA ACID & 3200 GALLONS GELLED H₂O	

TOBING RECORD	Size	Set At	Packer At	Liner Run
	2 1/16"	4445.37	NONE	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj.	Producing Method	Flowing	Pumping	Gas Lift	Other (Explain)			
3/15/96								
Estimated Production	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas: **METHOD OF COMPLETION** **Production Interval**

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled 4369-4382'
 (If vented, submit ACO-18.) Other (Specify) _____

RECEIVED
KANSAS CORP CONM



INVOICE

ORIGINAL

INVOICE NO.	DATE
906576	02/14/199

WELL/LEASE NO./PROJECT	WELL/PROJECT LOCATION	STATE	OWNER
CAROTHERS BROS 1	HARPER	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
PRATT	DUKE DRILLING #2	CEMENT PRODUCTION CASING	02/14/199
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER I.P.O. NUMBER
646989	BRAD SIROKY		
		SHIPPED VIA	FILE NO.
		COMPANY TRUCK	0384

OIL PRODUCERS INC. OF KANSAS
C/O MR. BRAD SIROKY
1318 E. FIRST STREET
PRATT, KS 67124

DIRECT CORRESPONDENCE TO:
P.O. BOX 428
HAYS KS 67601
913-625-3431

REFERENCE NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE CEMENTING ROUND TRIP	140 MI		2.85	399.00
		1 UNT			
001-016	CEMENTING CASING	4507 FT		1,765.00	1,765.00
		1 UNT			
594	4 1/2" LATCH DOWN BAFFLE	1 EA		100.00	100.00
801.03734					
593	3-WIPER L-D PLUG - 4 1/2"	1 EA		159.00	159.00
801.0373					
12A	GUIDE SHOE - 4 1/2" 8RD THD.	1 EA		95.00	95.00
825.201					
40	CENTRALIZER 4-1/2 X 7-7/8	4 EA		50.00	200.00
806.60004					
314-163	CLAYFIX II	2 GAL		28.00	56.00
018-317	SUPER FLUSH	12 SK		100.00	1,200.00
504-130	CEMENT - 50/50 POZMIX STANDARD	50 SK		7.84	392.00
504-308	CEMENT - STANDARD	100 SK		9.57	957.00
508-291	GILSONITE BULK	500 LB		.40	200.00
509-968	SALT	900 LB		.15	135.00
508-122	CAL SEAL 60	5 SK		25.90	129.50
507-775	HALAD-322	71 LB		7.00	497.00
507-918	GASSTOP	50 LB		33.55	1,677.50
500-207	BULK SERVICE CHARGE	180 CFT		1.35	243.00
500-306	MILEAGE CMTG MAT DEL OR RETURN	544.320 TMI		.95	517.10
INVOICE SUBTOTAL					8,722.10
DISCOUNT - (BID)					2,791.07
INVOICE BID AMOUNT					5,931.03
* KANSAS STATE SALES TAX					172.16
* PRATT COUNTY SALES TAX					35.15
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$6,138.34

*Carothers Bros
Oil & Gas
Cement Casing*



HALLIBURTON ENERGY SERVICES

HAL-1906-N

CHARGE TO: Oil Producers Inc of KS
 ADDRESS:
 CITY, STATE, ZIP CODE:

CUSTOMER COPY

TICKET

No.

906576 - 0

PAGE 1 OF 2

SERVICE LOCATIONS 1. <u>Pratt KS</u>	WELL/PROJECT NO. # <u>1</u>	LEASE <u>Carother's Bros.</u>	COUNTY/PARISH <u>Harper</u>	STATE <u>KS</u>	CITY/OFFSHORE LOCATION	DATE <u>2-14-96</u>	OWNER <u>Same</u>
2.	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <u>Duke Drly</u>	RIG NAME/NO. # <u>2</u>	SHIPPED VIA <u>Hewlett</u>	DELIVERED TO <u>loc</u>	ORDER NO.
3.	WELL TYPE <u>02</u>	WELL CATEGORY <u>01</u>	JOB PURPOSE <u>035</u>	WELL PERMIT NO.	WELL LOCATION <u>Land</u>		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS <u>API# 15-077-21144001</u>					

PRICE REFERENCE	SECONDARY REFERENCE / PART NUMBER	ACCOUNTING	DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
000-117			MILEAGE 53387# RD TP	140	mi			2.85	399.00
001-016			Pump Charge 1 Trk	4509	fl	6	hrs	17.85	17.65
594	801.03734		Latch Down Baffle	1	EA	4	1/2	100.00	100.00
593	801.0373		Latch Down Plug 3-W	1	EA	"	"	159.00	159.00
12-A	825-201		Guide Shoe	1	EA	"	"	95.00	95.00
40	806-60004		Centralizers 5-4	4	EA	"	"	50.00	200.00
314163			Clay-Fix II	2	gal			28.00	56.00
018-317			Super Flush	500	gal	12	EA	100.00	1200.00
									4748.10

ORIGINAL

Bulk Tkt # B-212819

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

*MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X [Signature]

DATE SIGNED: 2-14-96 TIME SIGNED: 0900

do do not require IPC (Instrument Protection). Not offered

SUB SURFACE SAFETY VALVE WAS:
 PULLED & RETURN PULLED RUN

TYPE LOCK DEPTH

BEAN SIZE SPACERS

TYPE OF EQUALIZING SUB. CASING PRESSURE

TUBING SIZE TUBING PRESSURE WELL DEPTH

TREE CONNECTION TYPE VALVE

SURVEY: YES NO

AGREE UN-DECIDED DIS-AGREE

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?

WE UNDERSTOOD AND MET YOUR NEEDS?

OUR SERVICE WAS PERFORMED WITHOUT DELAY?

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?

ARE YOU SATISFIED WITH OUR SERVICE?
 YES NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL: 8722

FROM CONTINUATION PAGE(S)

SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES: The customer hereby acknowledges receipt of the materials and services listed on this ticket.

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) <u>BRAD SNEYD</u>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) X <u>[Signature]</u>	HALLIBURTON OPERATOR/ENGINEER <u>David L Scott</u>	EMP # <u>89475</u>	HALLIBURTON APPROVAL <u>D.L. Scott</u>
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TICKET CONTINUATION

CUSTOMER COPY

TICKET No. 906576

HALLIBURTON ENERGY SERVICES

CUSTOMER: Oil Producers
 WELL: Carothers Brothers
 DATE: 2-14-76
 PAGE: 2 OF 2

FORM 1911 R-10

PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		QTY.		UNIT PRICE	AMOUNT
		LOC	ACCT	DF		U/M	U/M				
504-130		1			50/50 Permex w 2% Gel	50	SKS			7.84	392.00
Loaded on TRK # 4413 - Front											
504-308	516.00261	1			Standard Cement	100	SKS			9.57	957.00
509-291	516.00337	1			Gulfonite Blended 5#	500	lbs			.40	200.00
509-968	516.00158	1			Salt Blended 18%	900	lbs			.15	135.00
508-127	890.50131	1			Celsecal Blended 5%	5	SKS			25.90	129.50
507-775	516.00144	1			Halod-322 Blended .75%	71	lbs			7.00	497.00
507-918	516.00344	1			Gasstop on side 5%	50	lbs			33.55	1677.50
Loaded on TRK # 4413 - Back											
ORIGINAL											
500-207		1			SERVICE CHARGE			CUBIC FEET	180	1.35	243.00
500-306		1			MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES	TON MILES	544.320	.75	517.10
						15,552	70				

No. B 212819

CONTINUATION TOTAL 4748.10



JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION

Mid Cont

BILLED ON TICKET NO. 906756

WELL DATA

FIELD _____ SEC 11 TWP 38 RNG 6 COUNTY Harper 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 SEGS	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	4	10.5	4.5	KB	4509	
LINER						
TUBING						
OPEN HOLE			7 7/8	4509	4800	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS <u>S-4 4 1/2 x 7 1/4</u>	<u>1</u>	<u>Howco</u>
BOTTOM PLUG		
TOP PLUG <u>3-W</u>	<u>1</u>	<u>"</u>
HEAD + manifold	<u>1</u>	<u>"</u>
PACKER <u>Baffle</u>	<u>1</u>	<u>"</u>
OTHER		

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>2.14</u>	DATE <u>2.14</u>	DATE <u>2.14</u>	DATE <u>2.14</u>
TIME <u>0500</u>	TIME <u>0800</u>	TIME	TIME

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>D. Scott</u>	<u>B9475</u> <u>PI4</u>	<u>Proff KS</u>
<u>C. Nixon</u>	<u>H1660</u> <u>Comb</u>	<u>" "</u>
<u>X. Nash</u>	<u>H1899</u> <u>Bulk</u>	<u>" "</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB./GAL. °API _____

DISPL. FLUID _____ DENSITY _____ LB./GAL. °API _____

PROP. TYPE _____ SIZE _____ LB. _____

PROP. TYPE _____ SIZE _____ LB. _____

ACID TYPE _____ GAL. _____ % _____

ACID TYPE _____ GAL. _____ % _____

ACID TYPE _____ GAL. _____ % _____

SURFACTANT TYPE _____ GAL. _____ IN _____

NE AGENT TYPE _____ GAL. _____ IN _____

FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN _____

GELLING AGENT TYPE _____ GAL.-LB. _____ IN _____

FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN _____

BREAKER TYPE _____ GAL.-LB. _____ IN _____

BLOCKING AGENT TYPE _____ GAL.-LB. _____

PERFPAC BALLS TYPE _____ QTY. _____

OTHER 2 gal Glay - 1/1 XTE

OTHER _____

DEPARTMENT Cmt

DESCRIPTION OF JOB 4 1/2 Prod

JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.

CUSTOMER REPRESENTATIVE X

HALLIBURTON OPERATOR D. Scott COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>Lead</u>	<u>50</u>	<u>501.50</u>	<u>Poz</u>	<u>B</u>	<u>2% Gel</u>	<u>14.2</u>	<u>1.29</u>
<u>Tail</u>	<u>100</u>	<u>EA-2</u>	<u>Standard</u>	<u>B</u>	<u>5% Cal Seal 18% Salt 75% Hekel-322</u> <u>5#/6.1 SK 5% Gas Simpson Side</u>	<u>15.29</u>	<u>1.38</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM 2500

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 31.93 REASON Baffle

PRESLUSH: 20a 12 GAL. TYPE Sky-Fit + Spu Flush

LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____

TREATMENT: BBL.-GAL. _____ DISPL. 9.11 GAL.

CEMENT SLURRY: 11.4 + 24.7 = 36.1 GAL. Total

TOTAL VOLUME: BBL.-GAL. _____

REMARKS

See Job Log

FIELD OFFICE

CUSTOMER: Oil Producers Tr. of KS
LEASE: Carothers Bros
WELL NO: _____
JOB TYPE: 4 1/2 Prod String
DATE: 2.14.96



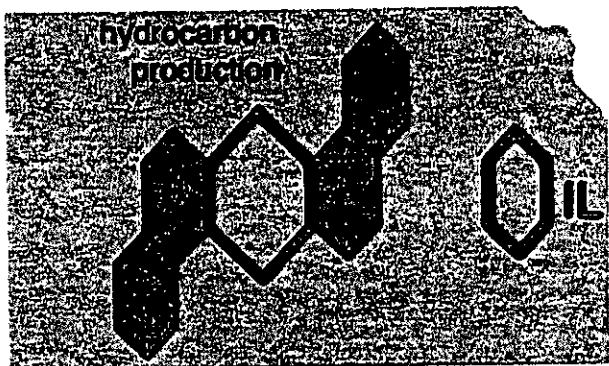
JOB LOG HAL-2013-C

DATE 2.14.96 PAGE NO. 1

CUSTOMER Oil Prod Inc of KS WELL NO. 1 LEASE Carother's Bros JOB TYPE 2 1/2 Prod String TICKET NO. 906756

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL/GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0500							Called Out ORIGINAL
	0700							On Loc w/F.E. Cent 1,3,5,7
	0830							Trks on Loc Safety mtg Csg on Bottom Break Circ w/Rig Rig up Howco
1049	0949	7	24			✓	300	Pump 2% Clay- Fix II H2O
1053	0953	7	12			✓	310	Pump Super Flush
1054	0954	7	5			✓	300	H2O Spacer
1103	1003	2	3.4			✓		Plug Rot Hole w/ISSK's Cmt
1105	1005	6				✓	290	St mixing Lead Cmt @ 14.2 ppg
1109	1009	6	8			✓	400	St mixing Tail Cmt @ 15.2 ppg
1114	1014	0	32.7			✓	100	Finish mixing Cmt
1115	1015	6	15			✓		Close In wash pump & line
1118	1018	9				✓	100	Release Plug & St Disp w/H2O
1126	1026	6				✓	390	Lifting Cmt
1130		0	71.8			✓	1100	Plug Down
1132		0					0	Release psi Held Good Circ During Job Job Complete Thank you D.Scott

FIELD OFFICE



OIL PRODUCERS, INC. OF KANSAS

March 1, 1997

Jim Hemmen
KCC
130 S. Market, Room 2078
Wichita, Ks. 67202

Certified #: P 322 904 877

Dear Jim,

Enclosed please find the ACO-1 for the Carothers Bros OWWO #1 in Harper Co., Kansas. Included with it are the following log: Correlation Cement Bond Log. Also included are a copies of Halliburton production cement tickets, 906576 and copy of completion report for perforation information.

Sincerely,

Diana Richecky

dr

Please sign attached letter copy as receipt of this information and return in the envelope provided.

Jim Hemmen, KCC

RECEIVED
KANSAS CORP COMM
1997 MAR -3 P 1:52

ORIGINAL

OIL PRODUCERS INC. OF KS. INITIAL COMPLETION REPORT

WELL - CAROTHERS BROTHERS OWWO

LEGAL - E/2-NE/NE OF 11-33s-6w IN HARPER CO. KS.

API# - 15-077-21,144,001

K.B. - 9' ABOVE G.L.

G.L. - 1326'

SURFACE CSN - 8 5/8" @ 251'

RTD - 4825' (ORIGINAL RTD 12/5/86)

PRODUCTION CSN - 4 1/2", 10.5# @ 4509' WITH 100 SX EA-2

PBTD - 4443' (ELI 2/27/96) 4460' (BY TBG TALLY 2/28/96)

TOP OF CEMENT - 4030' WITH EXCELLENT CEMENT BONDING.

PERFORATIONS - MISS DOLO—4369'-4382' 2 SHOTS/FT. 2/27/96.

TUBING RAN - 3' X 2 1/16" PERF SUB, 2 1/16" SN, 138 JTS. 2 1/16" LJ. TBG (4433.62')

TUBING SET @ - 4445.37' (15' OFF BOTTOM 3/8/96)

AVERAGE TBG JT. - 32.12'

PUMP RAN - 2 1/16" X 1 1/4" X 12' RWTC WITH STRAINER.

RODS RAN - PUMP, 2" X 3/4" SUB, 5-3/4" RODS, 171-5/8" RODS, 1 1/4" X 16' PR.

PUMP SET @ - 4438.72'

PUMPING UNIT - PARKERSBURG 80, S.N. - 31045, RATIO - 22.45:1

ENGINE - F&M 346

SURFACE EQUIP. - SKID MOUNTED VERTICAL SEPARATOR WITH LINE HEATER.
EDDIE STREMMEL VERT SEP. 20" X 7', 500# W.P., S.N. 2105 W/MANUAL DUMP.
SKID MOUNTED WITH HORIZONTAL LINE HEATER.

2/27/96

KIOWA WELL SERVICE ON LOCATION, RIGGED UP D-D DERRICK.
ELI WIRELINE SERVICE ON LOCATION TO RUN CORRELATION & BOND LOG.
FOUND TOTAL DEPTH - 4443' (THIS IS 34' HIGH TO TOP OF INSERT @ 4477')
FOUND TOP OF CEMENT - 4030' (W/EXCELLENT CEMENT BONDING)

2/27/96 CONT.

KIOWA WELL SERVICE SWABBED WELL DOWN TO 4000' FROM SURFACE.

ELI WIRELINE RIGGED TO PERFORATE PROPOSED INTERVAL IN MISS DOLO.
PERFORATED MISS - 4369'-4382' WITH 2 SHOTS/FT.

KIOWA SWABBED WELL DOWN TO TOTAL DEPTH 4443'.
15 MIN NATURAL TEST - RECOVERED 20' WATER, GOOD SHOW OF GAS.

HALLIBURTON ON LOCATION TO ACIDIZE MISS PERS 4369'-82' WITH 1500 GALS
15% FE ACID.

ACIDIZED MISS PERS 4369'-82' AS FOLLOWS:

PUMP 1500 GALS 15% FE ACID
LOAD HOLE WITH FIELD BRINE
PRESSURE TO 900 psi. BROKE BAK SLOWLY TO 400 psi.
START DISPLACING ACID @ 1 BPM AND INCREASE GRADUALLY.
DISPLACE MAJORITY OF ACID @ 4 BPM - 580 psi TO 325 psi.
ISIP - 300 psi, VAC - IN 2 MINUTES.
TTL LOAD - 105 BBLs.

SWAB BACK ACID LOAD & TEST MISS AS FOLLOWS:

FOUND FLUID LEVEL @ 400' FROM SURFACE.
SWAB BACK 55 BBLs, WELL KICKED OFF FLOWING.
1/2 HR FLOW TEST TO TANK - RECOVERED 3 BBLs. INSTALL ORIFICE TESTER.
1/2 HR GAS TEST TO PIT - GAS MEASURING 245 MC/FPD, WITH MIST OF FLUID.
SHUT DOWN FOR THE NIGHT.

2/28/96

SICP - 540 psi, FLUID LEVEL - 3800' DOWN, FREE OIL - 0'.
SBHP - CALCULATES 882 psi.
OPENED WELL UP & STARTED FLOWING.
1/2 HR. FLOW TEST TO TANK - RECOVERED 1.67 BBLs.
1/2 HR. GAS TEST TO PIT - GAS MEASURING 248 MC/FPD.
MAKE 1 RUN WITH CASING SWAB & RECOVERED 600' FLUID.
1/2 HR. GAS TEST TO PIT - GAS MEASURING 253 MC/FPD, NO FLUID.

HALLIBURTON ON LOCATION TO RE-ACIDIZE MISS PERFS 4369'-82' WITH 4000
GALS 15% SGA ACID & 3200 GALS 40# GELLED WATER.

RE-ACIDIZE MISS PERFS 4369'-82' AS FOLLOWS:

PUMP 800 GALS 15% SGA ACID - 3 BPM - 0 psi
PUMP 800 GALS 40# GELLED WATER - 6 BPM - 0 psi
PUMP 800 GALS 15% SGA ACID - 6 BPM - 0 psi.
PUMP 800 GALS 40# GELLED WATER - 5 BPM - 475 psi.
PUMP 800 GALS 15% SGA ACID - 5 BPM - 334 psi.
PUMP 800 GALS 40# GELLED WATER - 4 BPM - 475 psi.
PUMP 800 GALS 15% SGA ACID - 5 BPM - 320 psi.
PUMP 800 GALS 40# GELLED WATER - 5 BPM - 340 psi.
PUMP 800 GALS 15% SGA ACID - 5 BPM - 300 psi.
FLUSH WITH 3400 GALS FIELD BRINE @ 5 BPM - 250 psi TO 80 psi.
ISIP - VAC. TTL LOAD - 247 BBLs.
HALLIBURTON RIGGED DOWN & MOVED OFF LOCATION.

2/28/96 CONT.

RIGGED TO RUN 2 3/8" USED TESTED & DRIFTED TUBING FROM OIL PRODUCERS MILLER LEASE.

RAN TUBING AS FOLLOWS:

MUD ANCHOR X 2 3/8"	15.00'
SEATING NIPPLE X 2 3/8"	1.10'
142 JTS. 2 3/8" TUBING	4390.98'
K.B. (9' LESS 2' ABOVE G.L.)	7.00'
TUBING SET @	4414.08'
SEATING NIPPLE SET @	4399.08'

TAGGED TOTAL DEPTH @ 4460' (BY TBG TALLY), PICKED UP & SET TUBING 46' OFF BOTTOM.

RIGGED TO SWAB BACK ACID LOAD VIA TBG SWAB.

SWAB BACK ACID LOAD AS FOLLOWS:

FOUND FLUID LEVEL @ 400' FROM SURFACE.

COULD NOT GET LOWER THAN 1000' FROM SURFACE DUE TO LIGHT PARRAFIN. SHUT DOWN FOR THE NIGHT.

2/29/96

NICHOLS ON LOCATION WITH HIGH PRESSURE WATER TRUCK TO ASSIST PUMPING TBG SWAB TOOLS DOWN TUBING.

WORKED FOR APPROX 5 HRS. TUBING IS CLEAN ENOUGH TO SWAB ON OWN.

SWAB BACK ACID LOAD AS FOLLOWS:

SWAB BACK 148 BBLs FOR THE DAY. CSN PRESS 445 psi, GOOD GAS BLOW. SHUT DOWN FOR THE DAY.

3/1/96

SICP - 590 psi, SITP - 190 psi. BLEW TBG DOWN. RIGGED TO CONTINUE SWABBING.

CONTINUE SWAB TESTING AS FOLLOWS:

9:00 - RECOVERED 40 BBLs WITH GOOD GAS SHOW, CSN# - 540 psi.

10:00 - RECOVERED 16.70 BBLs WITH GOOD GAS SHOW, CSN# - 550 psi.

NOTE: - DUE TO INSUFFICIENT AND UNTIMELY SWAB RESULTS DECISION MADE TO PULL TUBING AND CONTINUE TESTING VIA CASING SWAB.

POOH - WITH TUBING.

RIG UP CASING SWAB TOOLS.

CONTINUE SWAB TESTING VIA CASING AS FOLLOWS:

TIME	MADE	TTL	OIL %	MCFPD	REMARKS
2:45	38.41	243.11	0%	158	WELL SWABBED DOWN.
3:15	20.04	263.15	0%	493	1 - 1/2 HR. SWAB TEST.
3:45	10.02	273.17	0%	461	1 - 1/2 HR. SWAB TEST.
4:15	6.68	279.85	0%	473	1 - 1/2 HR. SWAB TEST.
4:45	5.01	284.86	0%	498	1 - 1/2 HR. SWAB TEST.

ALL GAS TESTING DONE VIA ORIFICE FLOW TESTER. TO PIT.

LAYED TUBING DOWN OUT OF DERRICK.

WILL RETURN TO RUN TUBING AFTER STUCHAL SISTERS COMPLETION.

3/2/96

SICP - 960 psi, SBHP - CALCULATES 1100 psi. (ASSUMING NO FLUID IN HOLE) KIOWA RIGGED DOWN & MOVED OFF LOCATION.

3/4/96

SICP - 1025 psi, SBHP - 1171 psi. (ASSUMING NO FLUID IN HOLE)

3/8/96

SICP - 1060 psi, SBHP - 1214 psi (ASSUMING NO FLUID IN HOLE)
KIOWA WELL SERVICE BACK ON LOCATION. RIGGED UP TO RUN TBG & RODS.
MILLER OILFIELD SERVICE MOVED 2 1/16" TBG FROM FLINN-B LEASE.

RAN TUBING AS FOLLOWS:

PERFORATED SUB X 2 1/16"	3.65'
SEATING NIPPLE X 2 1/16"	1.10'
138 JTS. 2 1/16" LJ.	4433.62'
K.B. (9' < 2' ABOVE G.L.)	7.00'
<u>TUBING SET @</u>	<u>4445.37'</u>
<u>SEATING NIPPLE SET @</u>	<u>4441.72'</u>

RIGGED TO RUN RODS AND RE-BUILT PUMP FROM FLINN-B LEASE

RAN REBUILT PUMP & RODS AS FOLLOWS:

2 1/16" X 1 1/4" X 12' RWTC WITH STRAINER	14.00'
2' X 3/4" ROD SUB	2.00'
5-3/4" RODS W/SLIM HOLE BOXES	125.00'
171-5/8" RODS	4275.00'
1 1/4" X 16' POLISHED ROD WITH 6' LINER	16.00'
<u>PUMP SET @</u>	<u>4441.72'</u>

KIOWA WELL SERVICE RIGGED DOWN & MOVED OFF LOCATION.
MILLER OILFIELD SERVICE ON LOCATION, SET SKID MOUNTED GAS SEPARATOR
AND LINE HEATER AS SHOWN ON PAGE #1.
LAYED APPROX 600' 2 3/8" LEAD LINE TO GAS SEPARATOR @ ROAD TO EAST OF
WELL.

WILL SET PUMPING UNIT (AS SHOWN ON PAGE #1), LAY SWD LINE TO
CAROTHERS-B LEASE, AND PUT WELL IN SERVICE AS SOON AS WESTERN GAS
RESOURCES LAYS GAS LINE AND SETS METER RUN, WHICH WILL BE 3/13/96.

END OF REPORT

BRAD SIROKY