135-23822-000R

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

. WELL COMPLETION FORM	County Ness
ACC-1 WELL HISTORY DESCRIPTION OF WELL AND LEASE	SESWSE_sec. 3twp. 17S_ age. 22X
Operator: License # 4629	330 Feet from SYX (circle one) Line of Section
Name: Brito Oil Company, Inc.	1 1650 Feet from (E) (circle one) Line of Section
Address 120 S. Market, #300	Footages Calculated from Nearest Outside Section Corner: NE. SE NW or SW (circle one)
Highita VS 67202	Lease Name Weirman vell # 1-3
city/state/zip Wichita, KS 67202	Field Name <u>WC</u>
Purchaser: NA	Producing Formation NA
Operator Contact Person: Raul F. Brito	Elevation: Ground 2400 xs 2407
Phone (<u>316</u>) <u>263-8787</u>	Total Depth 4490 PBTD NA
Contractor: Name: Blue Goose Drilling, INc.	Amount of Surface Pipe Set and Cemented at 242.53 Feet
License: 5104	
Wellsite Geologist: Raul F. Brito	Multiple Stage Cementing Cotlar Used? Yes No
Designate_Type of Completion	If yes, show depth set Feet
	If Alternate II completion, cement circulated from
GAA FMHR SIGU	feet depth to w/ sx cmt.
X Dry Other (Core, WSW, Expl., Cathodic, etc)	Drilling Fluid Management Plan D&A 97 2-7-95 (Date must be collected from the Reserve Pit)
If Workover/Re-Entry: old well info as follows:	
Operator:	Chloride content 4,000 ppm Fluid volumebbls
Well Name:	Dewatering method used Evaporation
Comp. Date Old Total Depth	 Location of fluid disposal if hauled offsite:
Deepening Re-perf Conv. to Inj/SWD PBTD Commingled Dacket No	Operator Name RECEIVED KANSAS CORPORATION COMMISSION
Dual Completion Docket No	Lease NameLicense No
7/11/94 7/19/94 7/19/94	Quarter Sec.SEP 1 2 4994 s RngE/V
Spud Date Date Reached TD Completion Date	CONSERVATION DIVISION
I maraus and a saladad and a s	WICHITALIS
Derby Building, Michita, Kansas 67202, within 120 days of Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on 12 months if requested in writing and submitted with the	l be filed with the Kansas Corporation Commission, 200 Colorado f the spud date, recompletion, workover or conversion of a well, side two of this form will be held confidential for a period of e form (see rule 82-3-107 for confidentiality in excess of 12 report shall be attached with this form. ALL CEMENTING TICKETS lis. Submit CP-111 form with all temporarily abandoned wells.
All requirements of the statutes, rules and regulations promule with and the statements herein are complete and correct to the	gated to regulate the oil and gas industry have been fully complied he best of my knowledge.
Signature	K.C.C. OFFICE USE ONLY -12-04 F
	-12-94 C Wireline Log Received
Sept.	ember Geologist Report Received

Subscribed and sworn to before se this 12 day of September

19 94

Motary Public Date Combission BETTY M. ASBOTT 1-22-95

MOTARY PUBLIC STATE OF KANSAS

My Appl. Exp. 1-22-95

K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received

Distribution

XCC SWD/Rep NGPA

KGS Plug Other

(Specify)

e - 1 - 1			SIDE TWO				
Operator Name Con E	Brito Oil Comp	any, INc.	Lease Name	Weirman	·	Well #	1-3
3 179	. 22	□ Eest	County	Ness			
Sec. 3 Twp. 175	Rge. <u>22</u>	X West					•
INSTRUCTIONS: Show interval tested, time hydrostatic pressures if more space is need	e tool open an , bottom hole t	d closed, flowing emperature, fluid r	and shut-in pres	sures, whet	her shut-in pro	ssure rea	ched static lev
Drill Stem Tests Take (Attach Additional		☑ _{Y••} □ _{N•}	Log Log	Formatio	n (Top), Depth	and Datum	Sample
Samples Sent to Geolo	gical Survey	∑ Yes □ No	Name ANHY 170	3 (+703)	Tap		Datum
ores Taken		□ _{Yes} ⊠ _{No}	B/ANHY 1	738 (+668)			
Electric Log Run (Submit Copy.) .ist All E.Logs Run: 4332-52 30-30 Out	RADIATION	ED DENSITY GUARD	LKC 3851 BKC 4124 PAW 4221 FT SC 43	(-1718)	1		
SIP 314 4393-4435 30-30 o SIP 986	ut, Rec. 5' D	rlg Mud, FP 19–19	I MICC MO		<i>,</i>		
		CASING RECORD	□ _{N•V} □ ∪,	ıed	. <u></u>		
	Report all	l strings set-condu			production, et	c.	
Purpose of String	Size Hole Drilled	Size Casing Set (In 0.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percen Additives
Surface	121/4"	8 5/8"	20#	242.531	60/40 poz	150 sx	2%gel; 3%cc
-							
•	<u> </u>						
		ADDITIONAL	CEMENTING/SQUEE	ZE RECORD			
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used		Type and Percen	t Additive	•
Protect Casing Plug Back TD							
Plug Off Zone			-				
Shots Per Foot		RECORD - Bridge Plu of Each Interval F		Acid, I (Amount and	racture, Shot, Kind of Mater	Coment Sq ial Used)	ueeze Record Depth
		•				 -	
					 _		
							
TUBING RECORD	Size	Set At	Packer At	Liner Run	□ _{Y••} □	No	
Date of First, Resume D&	A	į	icing Hethod Fl	owing Dpum	ping Gas Li	ft 🗆 oth	mer (Explain)
Estimated Production Per 24 Hours	OIL N/A	Bble. Gas NA	Hof Hater	Bbls.	Gas-Oil	Ratio	Gravity
isposition of Gas:			THOO OF COMPLETIC				roduction Interva
Vented Sold		ase	Hole D Perf.	☐ Dually	Comp. 🗆 Commi		
(If vented, subs	it ACO-18.)		(Specify)	-		_	

15-135-23822-00-00

5-5861, Great Bend, KS

Phone 913-625-5516, Hays, KS Phone 913-672-3471, Oakley, KS

Phone 316-886-5926, Medicine Lodge, KS Phone 913-798-3843, Ness City, KS

LIED CEMENTING CO., INC. Home Office P. O. Box 31 Russell, Kansas 67665

		î C.									., , , ,	
.,		Sec.	ſwp.	Range	i	lled Out		On Location		Job Stare	Fin	ish"
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	: <u>cr</u>					TOU BLL	Dereny -	ing Co., Inc.		nting equipment		
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A CONTRACTOR OF THE PROPERTY O

15-135-23822-00-00

7, Russell, KS 5861, Great Bend, KS

Phone 913-625-5516, Hays, KS

Phone 913-672-3471, Oakley, KS

Phone 316-886-5926, Medicine Lodge, KS Phone 913-798-3843, Ness City, KS

CEMENTING CO., INC. O. Box 31 Russell, Kansas 67665 Home Office P. O. Box 31

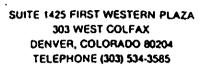
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Lease Weiman	Well No.	1-3	Locario	on Brow	veil Yw	35. Finto	County	State
Contractor Blue	soose Da	ام.			Owner	-		
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Hole Size 7 78"	- · · · · · · · · · · · · · · · · · · ·			cementer a	ereby requested to reat on and helper to assist own	er or contractor to do v	d furnish vork as listed.	
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Tbg. Size	··	Depth			10 CT	ito Oil Co.	IUC.	
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Cement Left in Csg.		Shoe Join	nt.	,	contractor.		and supervision of owne	r agent or
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KANSAS CORPORATION COMMISSION					X		<u></u> .:	
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CONSERVATION DIVISION T				1		Evel 4 Flosucy	5K,	
·-··	WICHITA, KS Cementer		<u>.</u>		Consisting Common	of		
Pumptrk 120	Helper				Poz. Mix	74	<u> </u>	-638,25°
No.	Cementer	n	We.		Gel.	10	9.00	222.00
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Remarks:					<i> </i>			
Mixad - 505Ks at 1740'				ļ	1)15c-	357,91	<u> </u>	
70 SKS 2 870'						# 17	121/16	
405KS 07 270					<u> </u>	<u> </u>	131.64	
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15-135-23822-00-00

D. W. BOLYARD and ASSOCIATES





GEOLOGIC WELL REPORT

M. L. Stone No. 1 Horner 150 Feet South of Center SE½ NE½ SW½ Section 3, Township 17 South, Range 22 West

Ness County, Kansas

RECEIVED STATE CORPORATION COMMISSION

Jun 4 7 198.

CONSERVATION DIVISION Wichita, Kansas

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Chronological History	4
Bit Record	4
Mud Properties	4
Drill Stem Tests and Cores	5
Formation Tops	5
Lithologic Description	6
Completion	12
Sample Log	Attached

SUMMARY

OPERATOR:

M. L. Stone

WELL NAME:

No. 1 Horner

LOCATION:

150' South of Center SE NE NE SW Section 3,

Twp. 17s., Rge. 22W. Ness County, Kansas

ELEVATION:

2389 ft. K.B.; 2384 ft. Ground

CONTRACTOR:

Murfin Drilling Co. (Rig #16)

SPUD:

January 7, 1988

SURFACE CASING:

381 ft. of 8-5/8" csg. set at 389' with

215 sacks cement

MUD:

Water and native mud to 3238'; starch and

chemicals below 3238'.

MUD GAS DETECTION:

Hotwire & chromatograph - no log prepared

GEOLOGIST:

Dudley W. Bolyard

OIL & GAS SHOWS:

2451-53 ft. - 10 unit gas increase: dull fluor.,

no stn., odor, or cut.

4340-47 ft. - 49 unit gas increase: No stn, odor,

fluor. or cut.

4412-20 ft. - 0 unit gas increase: trace faint

stain, weak fluor. and cut.

DRILL STEM TESTS:

None

CORES:

None

ELECTRICAL LOGS:

Welex Guard-Sidewall Neutron and Compensated

Density-Neutron Logs

TOTAL DEPTH:

4,460' (Driller)

4,464' (Welex)

COMPLETION:

Plugged and Abandoned w/195 sacks cement

January 14, 1988.

CHRONOLOGICAL HISTORY

January 7,	, 1988	Spud 12:01 A.M., drilled surface hole, set surface casing.
January 8,	, 1988	Drilling @ 1050' w/bit #2. Wait on cement 13½ hrs. Down 3-3/4 hrs. working on pump.
January 9,		Drilling @ 2205' w/bit #3. Down 2 hrs. Working on elevators
January 10	•	Drilling @ 3030' w/native mud. Down 1 hr. working on pump and elevators. WOB=38,000 lbs.; RPM = 90; PP = 800.
January ll	·	Drilled to T.D. = 4460' with starch-chemical mud. Hole completed 4:15 P.M. January 13. WOB = 40,000 lbs; RPM = 85-90; PP = 900.
January 14	, 1988	Ran Welex electrical logs; plugged and abandoned.

BIT RECORD

No.	Size	Mfr	Туре	Rerun/New	<u>Out</u>	Feet	Hrs.
1	12-1/4"	HTC	J-1	RR	389	389	4
2	7-7/8"	нтс	R-1	N	1690	1301	13-1/2
3	7-7/8"	нтс	ATJ-22	N	4460	2770	102-3/4

MUD PROPERTIES

Depth	Туре	Weight	<u>Vis.</u>	<u>W. L.</u>	рН	<u>cl</u>
3730	Starch	9.9	35	8.0	6.4	55,000
4118	Starch	10.1	39	10.8	6.4	55,000
4366	Starch	9.8	41	14.0	6.4	60,000
4460	Starch	9.9	48	11.0	6.4	60,000

DRILL STEM TESTS and CORES

None

FORMATION TOPS

<u>Formation</u>	Driller	Gamma-Guard Log	Datum	High(+) or Low(-) to Grunenerwald #1 Well
PERMIAN				
Stone Corral	1694	1694	+ 695	- 14
B/Stone Corral	1728	1728	+ 661	- 14
B/Salt	2336		+ 53	- 15
PENNSYLVANIAN				
Tarkio Ls.	3333		- 944	- 14
Topeka Ls.	3504	3504	-1115	- 16
Heebner Sh.	3794	3794	-1405	- 10
Toronto Ls.	3815	3815	-1426	- 9
Lansing-Kansas City	3835	3836	-1447	- 11
" "G" zone	3902	3899	-1510	- 10
" "I" zone	4005	4005	-1616	- 11
Pleasanton	4120	4120	-1731	- 12
Pawnee Ls.	4193	4193	-1804	- 10
Labette Sh.	4291	4291	-1902	- 6
Ft. Scott Ls.	4301	4303	-1914	- 8
Cherokee	4316	4316	-1927	- 7
MISSISSIPPIAN				
Warsaw Fm.	4410	4412	-2023	- 11

LITHOLOGIC DESCRIPTION

Samples start at 1480'. Samples were circulated at 4355', 4405', 4431', and 4460' (T.D.). The following descriptions are lagged for uphole travel time and adjusted to the electrical log.

PERMIAN

- 1430 1620 Shale, red to orange red and grayish red, silty; with streaks of siltstone and sandstone, light gray to orange red, very fine-grained, partly calcareous.
- 1620 1650 Shale, as above, silty, sandy, partly dolomitic; with a trace of anhydrite.
- 1650 1694 Sand (loose), brown ferruginous stain, medium-to coarse-grained, rounded to subrounded, frosted; with shale, as above; and a trace of gypsum, white, soft.

STONE CORRAL ANHYDRITE

1694 - 1728 Anhydrite, light gray, soft to hard and dense; with dolomite, light to medium gray, very fine-to medium crystalline, tight.

LOWER LEONARDIAN AND WOLFCAMPIAN ROCKS

- 1728 1960 Shale, dark brownish red to orange red and grayish green, silty, slightly anhydritic in part; with few interbeds of sandstone, light gray, very fine-grained, slightly dolomitic, fair to low porosity, no shows.
- 1960 2155 Shale, as above, and light brownish gray; with abundant anhydrite and some dolomite, gray, medium crystalline to dense, no shows.

HUTCHINSON SALT

2155 - 2336 Interval believed to consist of salt. Samples consist mainly of shale and anhydrite.

UNDIFFERENTIATED LOWER PERMIAN ROCKS

- 2336 2410 Anhydrite and shale, red-brownish red, gray, greenish gray, and yellowish brown.
- 2410 2450 Anhydrite and shale, as above, with some very dark gray, dolomitic shale; and minor dolomite.
- 2450 2465 Limestone, brownish gray, dolomitic, medium-grained calcarenite with low pin-point porosity, hard, dull yellow fluorescence, no cut or stain, $\frac{10}{10}$ unit mud gas increase at $\frac{2451-2453}{10}$ consisting of $\frac{10}{10}$ and $\frac{10}{10}$ and $\frac{10}{10}$ and $\frac{10}{10}$.

- 2465 2545 Limestone, white to light gray, dolomitic, very fine-grained, with abundant interconnected porosity, dull yellow fluorescence, no stain or cut; and dolomite, gray to light gray, fine- to medium-crystalline, abundant vuggy to pin-point porosity, no show; and anhydrite.
- 2545 2655 Shale, red and very dark gray, traces black; with interbeds of limestone and dolomite, partly very porous.
- 2655 2812 Shale, red, maroon, lavender, yellowish brown, light to dark gray, traces black; with interbeds of dolomite and limestone having some fair to good intergranular porosity; and anhydrite; no shows.
- 2812 2945 Shale, varicolored as above; with interbeds of limestone and dolomite and a little anhydrite; some black shale and dark gray to black chert at top of interval; varicolored shale increases downward; no shows.
- 2945 3142 Limestone, white, very fine- to medium-crystalline, partly porous; with shale, very dark gray (trace black) and varicolored; no shows.
- 3142 3302 Dolomite, tan, very finely crystalline, sucrosic, anhydritic; limestone, light gray, fine- to medium-crystalline, dense; trace black chert at 3170-3200'; with abundant varicolored shale containing siderite pellets and ferruginous nodules; no shows.
- 3302 3333 Shale, very dark gray, fissile to splintery.

PENNSYLVANIAN - VIRGILIAN

TARKIO LIMESTONE

- 3333 3368 Limestone, light to medium gray and reddish brown, fine- to medium very coarse-grained calcarenite, partly chalky, low porosity; no show.
- 3368 3378 Shale, very dark gray.
- 3378 3487 Limestone, light to medium gray (minor dark gray) and tan, medium crystalline to dense, partly fossil fragmental and calcarenite, some pin-point and vuggy porosity near base, mostly tight; with interbeds of shale, very dark gray, minor brown; no shows.
- 3487 3504 Shale, very dark gray.

TOPEKA LIMESTONE

- 3504 3591 Limestone, light gray to white, calcarenite to microcrystalline, partly chalky, fossilferous, traces to fair pin-point and vuggy porosity; with interbeds of shale, very dark gray; no shows.
- 3591 3636 Limestone, as above, with coralline porosity at 3620-3635; with shale, as above; no shows.
- 3636 3641 Limestone, as above, chalky; and shale, dark reddish borwn and very dark gray.
- 3641 3654 Shale, very dark gray to black; with limestone, as above.
- 3654 3706 Limestone, very light gray to white, microcrystalline to dense, chalky, shaly, traces coarse fossil fragmental, low porosity to tight; with interbeds of shale, very dark gray to black; no shows.
- 3706 3709 Shale, black.

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- 3709 3780 Limestone, as above; with shale, dark to very dark gray, traces black; no shows.
- 3780 3794 Limestone, light to medium gray, chalky, some calcarenite, fossilferous; with some shale, very dark gray; no shows.

HEEBNER SHALE

3794 - 3815 Shale, black, silty, calcareous; with limestone, white to light gray, chalky, very argillaceous; no shows.

TORONTO LIMESTONE

- 3815 3831 Limestone, light gray to light brownish gray and white, partly chalky, partly argillaceous, partly silty, some calcarenite, shaly, no visual porosity; with interbeds of shale, dark brownish red, calcareous, and very dark gray to black; no shows.
- 3831 3837 Shale, black to very dark gray.

MISSOURIAN LANSING-KANSAS CITY GROUP

3837 - 3856 Limestone, white to light brownish gray, microcrystalline to dense, some medium gray calcarenite with few small vugs and pin-point porosity, mostly tight; with shale, brown and brownish red, dolomitic; no shows.

- 3856 3866 Shale, very dark gray and dark red; with limestone, as above, very chalky, trace vuggy porosity with red clay infill; no shows.
- 3866 3896 Limestone, white to light gray, microcrystalline to dense, very chalky, trace vuggy porosity, mostly tight; with shale, dark gray to black, red, and brown; no shows.
- 3896 3899 Shale, black.

"G" Zone of LANSING-KANSAS CITY

- 3899 3920 Limestone, as above, some very coarse-grained calcarenite, few ooids, low porosity to tight, no shows.
- 3920 3933 Limestone, white to light gray-microcrystalline to dense, very chalky; no shows.
- 3933 3937 Shale, dark gray.
- 3937 3962 Limestone, as above, with traces of vuggy and pin-point porosity; no shows.
- 3962 3981 Limestone, as above, shaly, fossil fragments, stylolites; with thin interbeds of shale, very dark gray to black.
- 3981 3988 Shale, red, dark brown, greenish gray, and dark gray to black.
- 3988 4005 Limestone, light gray to white, microcrystalline to dense, chalky, rare calcarenite, tight; with shale, very dark gray to black, no shows.

"I" Zone of LANSING-KANSAS CITY

- 4005 4037 Limestone, light gray to white with some dark grayish brown to dark gray, microcrystalline to dense, partly chalky, trace calcarenite, rare small vugs, mostly tight; with interbedded shale, very dark gray to black, with dark greenish gray and brownish to grayish red at top of interval; no shows.
- 4037 4048 Limestone, light gray, very high oomoldic porosity, no oil stain, weak yellow fluorescence, trace faint cut.
- 4048 4060 Limestone, like 4005-4037, tight; with shale, very dark gray to dark greenish gray and red; no shows.
- 4060 4072 Limestone, light gray to light brownish gray, microcrystalline, with oomoldic to vuggy porosity, no show.
- 4072 4086 Limestone, as above, shaly, tight; no show.
- 4086 4090 Shale, as above.

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- 4090 4111 Limestone, light gray, microcrystalline to dense; with shale, red and dark brownish gray to very dark gray; no shows.
- 4111 4120 Shale, dark gray to black.
- 4120 4134 Limestone, light gray, dense to microcrystalline, very chalky, with some pin-point, vuggy and oomoldic porosity; and abundant shale, red and grayish brown; no shows.
- 4134 4152 Shale, very dark gray, some black, and reddish brown to brownish red.
- 4152 4176 Shale, red, grayish to brownish red, maroon, and greenish to olive gray; with interbedded limestone, light gray to white, microcrystalline to coarse-grained calcarenite, chalky, few vugs, stylolites, infiltrated by red clay.
- 4176 4192 Shale, as above and very dark gray; trace of siltstone, grayish green, with some fine to coarse, rounded, frosted sand; trace of conglomerate, grayish brown, very small pebbles, dark, rounded, very argillaceous; trace of black and white chert.

DESMOINESIAN-MARMATON PAWNEE LIMESTONE

- 4192 4207 Limestone, light to medium gray, microcrystalline to dense, partly chalky; with tan to brown and orange chert; and shale, red, greenish gray, dark gray and dark brownish gray, silty, conglomeratic with very small pebbles; no shows.
- 4207 4268 Limestone, as above, very chalky; with abundant chert, tan, brown orange, gray and white; and laminations or interbeds of shale, greenish gray to dark gray and dark brownish red, silty; no shows.
- 4268 4276 Limestone, as above, cherty; with shale, very dark gray, dolomitic, silty, increasing downward; no shows.
- 4276 4291 Shale, very dark gray, calcareous to dolomitic, silty; with interbeds of limestone, as above.

LABETTE SHALE

4291 - 4300 Shale, very dark gray to black, partly carbonaceous.

FT. SCOTT LIMESTONE

4300 - 4316 Limestone, light gray to brownish gray, very fine-grained calcarenite to microcrystalline, chalky, low porosity to tight; with shale, very dark gray to black; no shows.

CHEROKEE

- 4316 4340 Clay, red; with traces of sandstone, light gray to white and medium gray and greenish gray, fine-to coarse-grained, with few very coarse, rounded frosted grains, partly calcareous, partly very argillaceous, tight; no shows.
- 4340 4349 Limestone, light to medium gray and brownish gray, coarse-grained to dense, partly chalky, fossiliferous, tight; with a trace of sandstone, light gray, medium- to coarse-grained, subrounded, very calcareous, tight, no stain or fluorescence or cut; 49 unit mud gas kick 4340-47.
- 4349 4366 Limestone, as above; with interbedded shale, red and varicolored; no shows.
- 4366 4376 Shale, varicolored.
- 4376 4384 Limestone, as above and brown, dense; with trace sandstone, light gray, medium-grained, subrounded, very calcareous, tight; no shows.
- 4384 4402 Shale, varicolored, partly sandy; with minor limestone.
- 4402 4412 Shale and clay, varicolored as above; with sandstone, light to dark gray, fine- to coarse-grained, conglomeratic, subrounded to subangular, abundant black dead (solid) oil saturation with no fluorescence but good cut.

MISSISSIPPIAN WARSAW FORMATION

- Limestone, white to light gray, fine- to medium-grained, and microcrystalline, partly chalky, probably fractured, with trace very faint light oil stain and very weak yellow fluorescence, very faint slow cut and faint residue, looks wet; and abundant white chert.
- 4420 4424 Chert, white, probably fractured, no show.
- 4424 4427 Shale, varicolored, resembling Cherokee beds.
- 4427 4431 Chert and limestone, as above.
- 4431 4460 Dolomite, brown to gray, very finely crystalline, sucrosic, partly glauconitic, vuggy in part, with light gray to white chert.

COMPLETION

The well was plugged for abandonment on January 14, 1988. Cement plugs were placed as follows:

Depth (ft.)	No. of Sacks
Rathole	15
40'	10
410'	40
850'	80
1730'	50
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	195

The operation, which was performed by Allied Cementers, was pursuant to instructions by Dan Goodrow, an official of the State of Kansas; and was completed 11:15 A.M. Cement consisted of 60/40 Pozmix with 6% gel.