

STATE OF KANSAS
STATE CORPORATION COMMISSION
290 Colorado Derby Building
Wichita, Kansas 67202

WELL PLUGGING RECORD
K.A.R.-82-3-117

API NUMBER 15-175-00400-0000

LEASE NAME Liberal

STATE CORPORATION COMMISSION

TYPE OR PRINT.

WELL NUMBER #4

MAR 24 2000

NOTICE: Fill out completely
and return to Cons. Div.
office within 30 days.

4030 Ft. from S Section Line

4760 Ft. from E Section Line

CONSERVATION DIVISION

LEASE OPERATOR Ensign Operating Co.

SEC. 6 TWP. 35 RGE. 33 (E) or (W)

ADDRESS P. O. Box 2161 Liberal, KS. 67905-2161

COUNTY Seward

PHONE# (316) 626-8131 OPERATORS LICENSE NO. 04782

Date Well Completed 09/04/1956

Character of Well Gas

Plugging Commenced 03/06/2000

(Oil, Gas, D&A, SWD, Input, Water Supply Well)

Plugging Completed 03/09/2000

The plugging proposal was approved on March 9th, 2000 (date)

by Mr. Gary Winters (KCC District Agent's Name).

Is ACO-1 filled? Yes If not, is well log attached? _____

Producing Formation Chase Group Depth to Top 2652' Bottom 2690' T.D. 2725'

Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS

CASING RECORD

Formation	Content	From	To	Size	Put In	Pulled out
		Surf.	703	9-5/8"	703'	None
		Surf.	2724	7"	2724'	None

Describe in detail the manner in which the well was plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plugs were used, state the character of same and depth placed, from ___ feet to ___ feet each set.

- SEE ATTACHED REPORT -

(If additional description is necessary, use BACK of this form.)

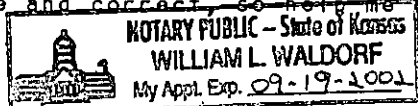
Name of Plugging Contractor Eagle Well Service License No. 7407

Address P. O. Box 1597 Liberal, KS. 67905-1597

NAME OF PARTY RESPONSIBLE FOR PLUGGING FEES: Ensign Operating Co.

STATE OF Kansas COUNTY OF Seward, ss.

Wes Willimon (Employee of Operator) or (Operator) of above-described well, being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well as filed that the same are true and correct, so help me God.



(Signature) Wes Willimon

(Address) P. O. Box 2161 Liberal, KS. 67905-

SUBSCRIBED AND SWORN TO before me this 22nd day of March, 2000

William L. Waldorf
Notary Public

My Commission Expires: Sept. 19th, 2002

Form CP-4
Revised 05-88

ENSIGN OPERATING CO
LIBERAL 4
1250' FNL - 520' FWL
SEC 6 - T35S - R33W
SEWARD COUNTY, KANSAS

GL: 2871'
RTD: 2725'
PBDT: 2700'
PERFS: HERRINGTON 2652'-2657'
KRIDER 2680'-2690'
7", 23#/FT PROD CSG, CSA 2724'

PLUG AND ABANDONMENT REPORT

**03/07/00 OPERATIONS @7:00 AM: PBDT 2700'. PERFS: 2652'-2657' AND 2680'-2690'.
PREPARE TO TIH W/OVERSHOT AND 3/4" RODS.**

WORK DONE 03/06/00 (DAY 1) SITP 0 PSIG. SICP 20 PSIG. BLOW WELL DEAD. MIRU EAGLE WELL SERVICE RIG #10. DIG WORKING PIT. ND SURFACE EQUIPMENT AND REMOVE SAME FROM CELLAR. PU ON ROD STRING AND WORK SAME. UNABLE TO UNSEAT PUMP. RU TO BACK-OFF ROD STRING. BACK-OFF ROD STRING AND RECOVER 1-1 1/8" X 11' POLISH ROD, 1-5/8" X 4' PONY ROD AND 20-5/8" X 25' PLAIN RODS. ND WELLHEAD. RU TO PULL TBG. LATCH ONTO TBG AND WORK SAME. TBG STUCK. UNABLE TO WORK TBG FREE W/45,000# OVERPULL. PU OVERSHOT W 1 1/2" GRAPPLE, RIH W/SAME AND 21-3/4" X 25' USED PLAIN RODS. LATCH ONTO FISH W/OVERSHOT. RU BACK-OFF TOOLS AND BACK-OFF ROD STRING. TOH AND LD FISHING STRING AND OVERSHOT. DID NOT RECOVER ANY ADDITIONAL 5/8" RODS. OVERSHOT APPARENTLY SLIPPED OFF FISH. SHUT WELL IN AND SDFN.

**03/08/00 OPERATIONS @ 7:00 AM: PBDT 2700'. PERFS: 2652'-2657' AND 2680'-2690'.
PREPARE TO TOH W/BACKED-OFF ROD STRING.**

WORK DONE 03/07/00 (DAY 2) 13 HR SITP 0 PSIG. SICP 0 PSIG. PU OVERSHOT W/1 1/2" SPIRAL GRAPPLE AND TIH W/21-3/4" X 25' PLAIN USED RODS. UNABLE TO LATCH ONTO FISH. TOH W/RODS AND OVERSHOT. PU SHORT CATCH OVERSHOT W/1 1/2" BASKET GRAPPLE AND TIH W/21-3/4" X 25' PLAIN USED RODS. UNABLE TO LATCH ONTO FISH. TOH W/RODS AND OVERSHOT. PU "MOUSETRAP" TRIMMED FOR 5/8" RODS AND TIH W/21-3/4" X 25' PLAIN USED RODS. WORK "MOUSETRAP" OVER FISH. COULD NOT GET ANY PULL ON FISH W/"MOUSETRAP". TOH W/RODS AND "MOUSETRAP". RECOVERED 4-5/8" RODS IN "MOUSETRAP". PU SHORT CATCH OVERSHOT W/1 7/16" BASKET GRAPPLE AND TIH W/25-3/4" X 25' USED PLAIN RODS. COULD NOT GET GOOD BITE ON FISH W/OVERSHOT. TOH W/RODS AND OVERSHOT. PU OVERSHOT W/1 1/2" SPIRAL GRAPPLE AND TIH W/25-3/4" PLAIN USED RODS. UNABLE TO LATCH ONTO FISH. TOH W/RODS AND OVERSHOT. PU "MOUSETRAP" TRIMMED FOR 5/8" RODS AND TIH W/25-3/4" PLAIN USED RODS. WORK "MOUSETRAP" OVER FISH AND PULL TENSION ON FISH. RU BACK-OFF TOOLS AND BACK-OFF ROD STRING. PULL AND LD 1 ROD AND SD FOR HIGH WINDS AND THREATENING SKIES.

**03/09/00 OPERATIONS @ 7:00 AM: PBDT 2700'. PERFS: 2652'-2657' AND 2680'-2690'.
PREPARE TO PUMP CEMENT AND ABANDON WELL.**

WORK DONE 03/08/00 (DAY 3) 15 HR SITP 0 PSIG. SICP 0 PSIG. FINISH TOH W/ROD STRING AND TWISTED OFF "MOUSETRAP". RIH W/25-3/4" PLAIN USED RODS W/5/8" X 2' ROD SUB ON BOTTOM. SCREW INTO FISH. WORK ROD STRING AND PULL SAME IN TWO W/20,000# OVERPULL. TOH W/25-3/4" RODS AND 66 ADDITIONAL 5/8" RODS (TOTAL 5/8" RODS RECOVERED = 90). TOP OF FISH @ 2250'. RU TO PULL TBG. MIRU THE ROSEL COMPANY. RIH W/NET

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PLUG AND ABANDONMENT REPORT 03/09/00 CON'T

CUTTER CHARGE FOR 2 3/8" TBG ON WIRELINE AND JET CUT 2 3/8" TBG @ 1002'. TOH AND LD 31 JTS, 2 3/8", 4.7#, J-55, 8 RD, EUE, R-2, TBG (979.94'), 2-2 3/8" X 8' TBG SUBS (16.11'), 2-2 3/8" X 6' TBG SUBS (12.20') AND 2-2 3/8" X 4' TBG SUBS (8.24'). TOTAL TBG RECOVERED = 1016.49'. RIH W/5.719" OD GAUGE RING AND JUNK BASKET ON WIRELINE TO 950'. PU AND RIH W/7" ALPHA OIL TOOLS 10,000 PSI CIBP ON WIRELINE AND SET SAME @ 950'. DUMP 4 SX CEMENT ON CIBP W/ WIRELINE DUMP BAILER. RIH W/4" CSG GUN ON WIRELINE AND PERFORATE 7" CSG FOR CIRCULATING CEMENT TO SURFACE @ 700' (1') W/ 4 JET SHOTS (4 HOLES), 19 GRAM CHARGES, 120 DEGREE PHASING, .46" DIAMETER HOLES IN ONE PERFORATING RUN. FL @ 200' FROM SURFACE BEFORE AND AFTER PERFORATING. RIH W/22 JTS, 2 3/8", 4.7#, J-55, 8 RD, EUE, R-2, USED, TBG AND 1-2 3/8" X 8' TBG SUB. TBG HANGING OPEN ENDED @ 703'. SHUT WELL IN AND SDFN.

03/10/00 OPERATIONS @ 7:00 AM: PBSD 2700'. PERFS: 2652'-2657' AND 2680'-2690'. WELL PLUGGED AND ABANDONED.

WORK DONE 03/09/00 (DAY 4) 13 HR SITP 0 PSIG. SICP 0 PSIG. MIRU HES. ESTABLISH CIRCULATION UP 7" CSG W/7 BFW. ESTABLISH CIRCULATION UP 9 5/8" CSG W/22 BFW. MIX AND PUMP 200 SX 60/40 POZMIX W/6% GEL FOLLOWED BY 60 SX CLASS H CEMENT. CIRCULATE CEMENT TO SURFACE UP 7" AND 9 5/8" CSG. TOH AND LD 22 JTS 2 3/8" TBG AND 1-2 3/8" X 8' TBG SUB. CUT OFF 7" CSG 6' BELOW GROUND LEVEL. WELD MARKER PLATE ON 7" CSG. FILL IN CELLAR AND WORKING PIT. WELL PLUGGED AND ABANDONED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE KANSAS CORPORATION COMMISSION ON 03-09-00. PLUGGING PROCEDURE WITNESSED BY MR. GARY WINTERS OF THE KANSAS CORPORATION COMMISSION.

FINAL REPORT

RECEIVED
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Wichita, Kansas