

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

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

API NUMBER 15-135-00510-0000

LEASE NAME Potter

WELL NUMBER #1

4620 Ft. from S Section Line

4950 Ft. from E Section Line

SEC. 25 TWP. 17S RGE. 25 (E) or (W)

COUNTY Ness

Date Well Completed 06/22/56

Plugging Commenced 10/05/99

Plugging Completed 10/07/99

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

LEASE OPERATOR Ensign Operating Co.

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

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

Character of Well Oil

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

The plugging proposal was approved on July 29, 1999 (date)

by David P. Williams (KCC District Agent's Name).

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

Producing Formation Mississippian Depth to Top 4433 Bottom 4438 T.D. 4460

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
<u>Mississippi</u>	<u>Oil</u>	<u>4433</u>	<u>4438</u>	<u>8-5/8"</u>	<u>157</u>	<u>0</u>
				<u>5 1/2"</u>	<u>4460</u>	<u>0</u>

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 -

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

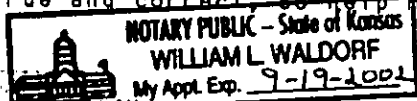
Name of Plugging Contractor Post & Mastin License No. 449060

Address P. O. Box 297 Garden City, KS. 67846

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

STATE OF Kansas COUNTY OF Seward, ss.

Richard O. Berg (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 filled that the same are true and correct, so help me God.



(Signature) Richard O. Berg

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

SUBSCRIBED AND SWORN TO before me this 14th day of October, 19 99

OCT 18 1999

William L. Waldorf
Notary Public

My Commission Expires: Sept. 19th, 2002
CONSERVATION DIVISION
WICHITA, KS

Form CP-4
Revised 05-88

WELL LOG BUREAU—KANSAS GEOLOGICAL SOCIETY
508 East Murdock, Wichita, Kansas

COPY

15-135-00510-00-00

Company BARNETT OIL COMPANY
Farm- Pottor No. 1

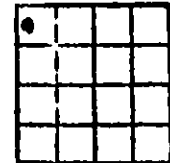
SEC. 25 T. 17 R. 25W
CW/2 NW NW

Total Depth. 4460'
Comm. 4-30-56
Shot or Treated.
Contractor.
Issued. 7-7-56

Comp. 5-16-56

County Ness KANSAS

K. G. S. LIBRARY



CASING:

8 5/8" 157 1/2' 24# s.s. csg. w/150 sx con.
5 1/2" 4459 1/2' 15.50# s.s. csg. sx con.

Elevation. 2485 K. B.

Production. 76 EOPD

Figures indicate Bottom of Formations.

post rock	35
shale	70
shale & shells	100
blue shale	158
shale	515
sand	575
shale & shells	750
shale	1095
lime	1130
shale	1180
shale & shells	1730
anhydrite	1760
shale	2120
shale & shells	2420
shale	2635
lime	2790
lime & shale	2865
lime	2915
lime & shale	3135
lime	3175
lime & shale	3745
lime	3795
lime & shale	3855
lime	3905
lime & shale	3945
lime	4175
lime & shale	4210
lime	4270
shale & lime	4347
lime	4460

Total Depth

TOPS:

Anhydrite	1730
Heebner	3775
Lansing	3830
Brown Lime	4315
Ft. Scott	4322
Penn. Conglomerate	4393
Mississippi	4424

ENSIGN OPERATING COMPANY
POTTER #1
660' FNL - 330' FWL
SECTION 25 - T17S - R25W
NESS COUNTY, KANSAS

15-135-00510-00-00

GL 2482' KB 2485'
PERFS: 4433 - 4438
PBD: 4548'
TD: 4460'
5 1/2", 15.5# CSG @ 4459'

PLUGGING REPORT

10/06/99: OPERATIONS AT 7:00 AM. PBD 4448. PERFS: 4433 - 4438. PREPARE TO RIH W/CIBP ON WIRELINE.

WORK DONE 10/05/99. (DAY 1) MIRU POST AND MASTIN RIG #39. UNHANG ROD STRING FROM PUMPING UNIT. WORK ROD STRING AND UNSEAT PUMP. TOH AND LD ROD STRING AS FOLLOWS: -

- 1 - 1 1/2" X 16' POLISH ROD W/1 1/2" X 6' POLISH ROD LINER
- 171 - 3/4" X 25' PLAIN RODS
- 1 - 3/4" X 2' PONY ROD
- 1 - 2 1/2" X 2" X 12' RWTC BOTTOM HOLE PUMP

ND WELLHEAD AND RU TO PULL TBG. LATCH ONTO 2 7/8" TBG AND UNSEAT PACKER @ 4302' (PACKER DID NOT APPEAR TO BE SET). TOH AND LD 102 JTS 2 7/8" TBG. 5 JTS 2 7/8" TBG BETWEEN 1130' AND 1400' HAD NUMEROUS HOLES. SET HES "R-4" PACKER @ 1105'. LOAD TBG/CSG ANNULUS W/16 BFW AND WELL STARTED CIRCULATING UP 2 7/8" TBG. UNSEAT PACKER AND LD 4 JTS 2 7/8" TBG. RE-SET PACKER @ 981'. PUMP 16 BFW DOWN TBG/CSG ANNULUS @ 80 PSIG. UNABLE TO GET TBG/CSG ANNULUS TO HOLD PRESSURE. UNSEAT PACKER AND LD REMAINING 31 JTS 2 7/8" TBG, SN, HES "R-4" PACKER AND 1 JT 2 7/8" TBG. PACKER HAD 1/2 OF RUBBER MISSING. RECOVERED A TOTAL OF 138 JTS 2 7/8" TBG (5 JTS JUNK), 1- SN AND 1- HES "R-4" 5 1/2" X 2 7/8" CASING PACKER. SHUT WELL IN AND SDFN.

10/07/99: OPERATIONS AT 7:00 AM. PBD 4448. PERFS: 4433 - 4438. PREPARE TO CUT OFF 8 5/8" AND 5 1/2" CASINGS AND FILL CELLAR.

WORK DONE 10/06/99. (DAY 2) 14 HR SICP 0 PSIG. MIRU PERF-TECH WIRELINE SERVICES. RIH W/CIBP ON WIRELINE. UNABLE TO GET BELOW 4300' W/CIBP. SET CIBP @ 4300'. DUMP 4 SX CEMENT ON CIBP W/WIRELINE DUMP BAILER. PU EXCHANGE HES "R-4" CASING PACKER AND TIH W/35 JTS 2 7/8" TBG. SET PACKER @ 1105'. LOAD TBG/CSG ANNULUS W/8 BBLs PRODUCED WATER. PUMP INTO FORMATION @ 1/4 BPM @ 80 PSIG. UNSEAT PACKER, LD 10 JTS 2 7/8" TBG AND RE-SET PACKER @ 761'. LOAD TBG/CSG ANNULUS W/1 BBL PRODUCED WATER AND PRESSURE TBG/CSG ANNULUS TO 250 PSIG. HELD OK. UNSEAT PACKER AND LD REMAINING 25 JTS 2 7/8" TBG AND PACKER. ND WELLHEAD. RDMO PULLING UNIT. DIG OUT AROUND 5 1/2" AND 8 5/8" CSG TO EXPOSE CASINGHEAD. CUT OFF 5 1/2" CASING HANGER. MIRU SWIFT SERVICES, INC. MIX AND PUMP 170 SXS CLASS "A" CEMENT W/400# COTTONSEED HULLS DOWN 5 1/2" CSG @ 400 PSIG. CEMENT DID NOT CIRCULATE UP 5 1/2" X 8 5/8" ANNULUS. ORANGE PEEL 8 5/8" CSG TO 5 1/2" CSG AND WELD 2" LP COLLAR IN 8 5/8" CSG. MIX AND PUMP 120 SX CLASS "A" CEMENT DOWN 5 1/2" X 8 5/8" ANNULUS @ 120 PSIG. SI 5 1/2" X 8 5/8" ANNULUS. MIX AND PUMP 30 SX CLASS "A" CEMENT DOWN 5 1/2" CSG AND FILLED SAME TO SURFACE. LEFT 5 1/2" X 8 5/8" ANNULUS SI OVERNIGHT. PLUGGING PROCEDURE WITNESSED AND APPROVED BY MR. MICHAEL MAIER OF THE KANSAS CORPORATION COMMISSION.

• ENSIGN OPERATING COMPANY
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660' FNL - 330' FWL
SECTION 25 - T17S - R25W
NESS COUNTY, KANSAS

GL 2482': KB 2485':
PERFS: 4433' - 4438'
PBD: 4548'
TD: 4460'
5 1/2", 15.5# CSG @ 4459'

15-135-00510-00-00

10/08/99: OPERATIONS AT 7:00 AM. PBD 4448. PERFS: 4433' - 4438' WELL PLUGGED AND ABANDONED.

WORK DONE 10/07/99. (DAY3) CUT OFF 8 5/8" AND 5 1/2" CASINGS 4' BELOW GROUND LEVEL. FILL IN CELLAR AND WORKING PIT. WELL PLUGGED AND ABANDONED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE KANSAS CORPORATION COMMISSION ON 10-7-99.

FINAL REPORT