

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

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

API NUMBER 15-195-21,740-00-00

LEASE NAME ZACHMAN

TYPE OR PRINT

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

WELL NUMBER 1

3040 Ft. from S Section Line

1400 Ft. from E Section Line

SEC. 18 TWP 12S RGE. 21W (E) or (W)

COUNTY Rooks

Date Well Completed 7/6/85

Plugging Commenced 7/6/85

Plugging Completed 7/6/85

LEASE OPERATOR Moble C. Hoover

ADDRESS 302 NBC Bldg., El Dorado, ARK 71730

PHONE# (501) 863-4531 OPERATORS LICENSE NO. 5408

Character of Well DRY

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

Did you notify the KCC/KDHE Joint District Office prior to plugging this well? YES

Which KCC/KDHE Joint Office did you notify? Carl Goodrow

Is ACO-1 filed? NO If not, is well log attached? NO

Producing Formation _____ Depth to Top _____ Bottom _____ T.D. 3996'

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

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.

1st plug @ 1750' w/25 sx. 4th plug @ 40' Sol. Bridge w/10 sx.
2nd plug @ 900' w/100 sx. 10 sx./Rathole. Plug down 7:45 p.m., 7/6/85
3rd plug @ 290' w/40 sx.

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

Name of Plugging Contractor Abercrombie Drilling, Inc. License No. 5422

Address 801 Union Center, Wichita, KS 67202

STATE OF Kansas COUNTY OF Sedgwick, ss.

Jack L. Partridge, Vice President (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) Jack L. Partridge
Jack L. Partridge, Vice President
(Address) 801 Union Center, Wichita, KS 67202

SUBSCRIBED AND SWORN TO before me this 16th day of July, 1985

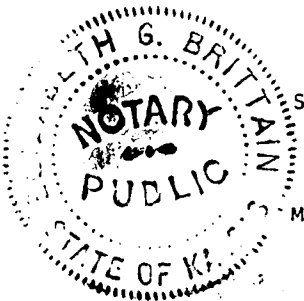
STATE CORPORATION COMMISSION

07-19-1985

Elizabeth G. Brittain
Notary Public
Elizabeth G. Brittain

My Commission Expires: 7-13-85

CONSERVATION DIVISION
Wichita, Kansas



15-195-21740-00-00

MOBLE C. HOOVER
302 NBC BUILDING
EL DORADO, ARK. 71730

Ernest Zachman No. 1
S $\frac{1}{2}$ S $\frac{1}{2}$ NE $\frac{1}{4}$
Section 18-T12S-R21W
Trego County, Kansas

Operator: Moble C. Hoover
Contractor: Abercrombie Drilling, Inc.
Elevation: GL 2291'
DF 2294'
KB 2296'

(Kelpet West Prospect)

API No. 15-195-21,740-00-00
Operator No. 5408

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6/25/85	MIRU	Deviations: 290' - 1/2 ⁰
6/26/85	Spud hole @ 4:45 p.m. 6/25/85. Drilled 290' of 12-1/4" hole. Ran 7 jts. 8-5/8" casing (tally 281.71'). Set @ 289.50' with 200 sx. common cement, 2% gel, 3% CaCl ₂ . Cement did circulate. Plug was down @ 10 p.m. 6/25/84. Will drill plug @ 10 a.m.	1775' - 1 ⁰ 2440' - 1 ⁰
6/27/85	Drilling @ 2312'	
6/28/85	Drilling @ 2876'	
6/30/85	T. D. 3617' DST No. 1-3593-3617' (Top Lansing zone) Good show light free oil, faint oil odor, lime was chalky. Time: 30" 45" 60" 45" Rec. 211' muddy salt water. Chlorides: 72,000 ppm. IFP 35 - 58#, FFP 81 - 138#, ISIP 610#, FSIP 585#. Initial hydrostatic pressure 1898#, final hydrostatic pressure 1895#. Temperature 110 ⁰ .	<u>Sample Tops:</u> Anhydrite 1731' + 565 B/Anhydrite 1776' + 520 Heebner 3565' - 1269 Toronto 3585' - 1289 Lansing 3600' - 1304 Pawnee 3907' - 1611 Arbuckle 3977' - 1681
7/01/85	DST No. 2-3627-3650' (35' Lansing zone) Asphaltic & chalky. Time: 30" 30" 30" 30" IFP 35 - 35#, FFP 35 - 35#, ISIP 838#, FSIP 826#. IHP 2045#, FHP 2023#. Temperature 110 ⁰ . Circulating @ 3655' to make DST No. 3 on 50' zone. Samples show slightly chalky lime, light free oil stain, vuggy porosity with free oil. (50' zone was not tested. Tight formation.)	
7/02/85	DST No. 3-3649-3673' (70' zone) Time: 30" 30" 30" 30" Rec. 10' slightly oil specked mud. IFP 35 - 35#, FFP 35 - 35#, ISIP 461#, FSIP 69#. IHP 1955#, FHP 1932#. Temperature 108 ⁰ . DST No. 4-3668-3690' (90' zone) Time: 30" 60" 30" 60" Rec. 248' muddy water. Chlorides: 68,000 ppm. IFP 46 - 92#, FFP 104 - 138#, ISIP 918#, FSIP 906#. IHP 1966#, FHP 1943#. Temperature 118 ⁰ . Formation: Good oolitic lime, faint oil odor, some free oil w/good saturation. Mud chlorides: 55,000 ppm.	
7/03/85	DST No. 5-3788-3810' (200' zone) Time: 30" 30" 30" 30" Rec. 10' mud. IFP 35 - 35#, FFP 35 - 35#, ISIP 115#, FSIP 35#. IHP 2057#, FHP 2034#. Temperature 116 ⁰ . Formation: Lime, tan, dense & cherty w/some free oil & faint odor. Oil probably from fractures.	
7/04/85	DST No. 6-3825-3940' Time: 30" 30" 30" 30" Rec. 30' mud. IFP 92 - 92#, FFP 92 - 104#. ISIP 134#, FSIP 277#. IHP 2136#, FHP 2113#. Temperature 117 ⁰ . Formation: Limestone w/some inclusion of dolomite, cherty. Medium to dark free oil stain.	
7/05/85	DST No. 7-3932-3988' Time: 30" 30" 30" 30" Rec. 6' mud. IFP 58#, FFP 58#, ISIP 392#, FSIP 334#. IHP 2170#, FHP 2147#. Temperature 1120. Formation: Top part tight, compact w/scattered asphalt stain. No free oil. Running DST No. 8-3932-3994'. Circulated samples: Dolomitic lime, tan, medium crystalline, show dark, free oil stain, poor to good crystalline porosity, no odor oil, some samples showed minor to vuggy porosity, minor to uniform oil stain.	

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JUL 29 1985
07-29-1985

15-195-21740-00-00

MOBLE C. HOOVER
302 NBC BUILDING
EL DORADO, ARK. 71730

Ernest Zachman No. 1
S $\frac{1}{2}$ S $\frac{1}{2}$ NE $\frac{1}{4}$
Section 18-T12S-R21W
Trego County, Kansas

Operator: Moble C. Hoover
Contractor: Abercrombie Drilling, Inc.

Elevation: GL 2291'
DF 2294'
KB 2296'

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7/05/85 DST No. 8-3932-3994' Time: 30" 30" 30" 30"
Rec. 5' mud. IFP 69 - 69#, FFP 69 - 81#,
ISIP 621#, FSIP 518#. IHP 2204#, FHP 2181#.
Temperature 114 $^{\circ}$.

7/06/85 DST No. 9-3932-3995' Time 30" 60" 30" 60"
Rec. 5' mud. IFP 58 - 58#, FFP 58 - 69#,
ISIP 804#, FSIP 690#. IHP 2204#, FHP 2181#.
Temperature 118 $^{\circ}$. Drilled hard--dolomite, spotted
oil stain.

DST No. 10-3932-3996' Time 30" 30" 30" 30"
Rec. 10' mud. IFP 58#, FFP 58#, ISIP 507#,
FSIP 426#. IHP 2215#, FHP 2192#. Temperature 120 $^{\circ}$.
TD 3996' P & A. 1st plug set @ 1750' w/25 sx.,
2nd plug @ 900' w/100 sx., 3rd plug @ 290' w/40 sx.,
4th plug @ 40' solid bridge w/10 sx. cement, 10 sx.
in rathole. Cement was 60/40 posmix, 6% gel, 3% CaCl $_2$.
Plug was down @ 7.45 p.m. 7/06/85. State plugger,
Carl Goodrow.

Structurally, the test was 6' low on the Lansing zone but
gained structure on the Arbuckle for a total of 26';
however, the formation was tight with some staining.

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