

15-163-02409-0001

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

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

API NUMBER (Drld in 1954--No Number)

LEASE NAME ORDWAY

WELL NUMBER C-5

2310  
1320 Ft. from S Section Line

2470  
3060 Ft. from E Section Line

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

PT  
KCC

LEASE OPERATOR Davis Bros. Oil Producers, Inc.

ADDRESS One Williams Center, Suite 2000

PHONE#(918) 584-3581 OPERATORS LICENSE NO. 5560

Character of Well OIL

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

SEC. 16 TWP. 10S RGE. 18 KKX or (W)

COUNTY Rooks

Date Well Completed 5-19-59

Plugging Commenced 3-15-85

Plugging Completed 3-20-85

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

Which KCC/KDHE Joint Office did you notify? Hays -- Dennis L. Hamel

Is ACO-1 filed? \_\_\_\_\_ If not, is well log attached? Yes

Producing Formation KC Lansing Depth to Top 3380 Bottom 3612 T.D. 3730

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
KC Lansing	Oil	3514	3612	8-5/8	183'	None
				5-1/2	3665'	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.

Spotted thru tbg: 3600' w/40 sx cmt w/2 sx hulls; 3200' w/11 sx Gel w/1 sx hulls; 2100' w/11 sx gel w/1 sx hulls (circ back-side); 1125' w/50 sx cmt w/1 sx hulls; 500' w/50 sx cmt w/1 sx hulls (circ cmt), put 5 1/2" wiper plug in csg, hooked-up to swage & press 5 1/2" to 700 psi. SI 5 1/2" csg, tied into 8-5/8" surf csg, pmpd 60 sx cmt, 10 sx Gel, 100 sx cmt, press 8-5/8"

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

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Name of Plugging Contractor Halliburton Services License No. 5-1-85

Address Hays, KS

MAY 01 1985

STATE OF Oklahoma COUNTY OF Tulsa, ss.

CONSERVATION DIVISION  
Wichita, Kansas

Mary Hill (Employee of Operator) or (~~XXXXXXXXXX~~) 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) Mary Hill

(Address) One Williams Center, Suite 2000  
Tulsa, OK 74172

SUBSCRIBED AND SWORN TO before me this 26th day of April, 19 85

Melody M. Sullivan  
Notary Public

My Commission Expires: Aug. 6, 1985

DESCRIPTION OF PLUGGING MANNER CONTINUED:

surf csg to 200 psi, SI 8-5/8" csg. Cut-off the csg -- surf csg was full at the cut-off and cmt was dwn 13' in 5 1/2" csg, filled 5 1/2" csg w/cmt. Welded steel cap on top of csg.

GEORGE FICKCOMPLETION REPORT#5 Ordway "C"

O. W. Wash Down

(Well drilled by C. G. &amp; Hanson in December, 1954)

May, 1959

Davis Bros.	Elevation - 2155 RB
#5 Ordway "C" (Ordway "A" Prospect)	TD 3730' C.O.
NE NE SW Sec. 16-10S-18W	Zero - 5' from Bradenhead
Rooks County, Kansas	Float Collar - 3636'
	Cement at 3631-1/2'

Casing Record:

8-5/8" at 183'

5-1/2" at 3665' w/250 sax.

Casing was S. H. - 14-1/2#, 8RT, mixed J-55 SS &amp; C. T.

Casing Centralizers are at 3658', 3613', 3480', 3380', 3122', 1550'.

Casing Scratchers are at 3578', 3553', 3548', 3539', 3523', 3484', 3472', 3463', 3419'.

Formation Tops

Topeka	3122'	(-969)
Hoehner	3338'	(-1183)
Toronto	3353'	(-1198)
Pouglas	3370'	(-1215)
Jansing	3380'	(-1225)
Base K. C.	3613'	(-1458)
Conglomerate	3634'	(-1479)
Simpson	3684'	(-1529)
Simpson Dolomite	3699'	(-1544)
Arbuckle	3724'	(-1569)
Rotary TD	3730'	(-1575)

Drill Stem Record

- #1 3344' - 3360', open 1/2 hr., recovered 15' mud. BHP 135#. No time.
- #2 3402' - 3420', open 1 hr., recovered 1035' muddy salt water with slight show of heavy black oil. BHP - 510#, FP = 200#-460#.
- #3 3725' - 3730', open 1/2 hr., recovered 2220' salt water. BHP - 100#.

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Porosity Zones Calculated From the Electric Log

Zone	Top	Base	% Porosity	% Water	Remarks
Topeka	3302' (-1147)	3309'	16.0	92	Poss. water
Toronto	3355' (-1200)	3358'	13.0	73	Poss. water
Lansing K. O.					
A	3379' (-1224)	3384'	12.0	79	Poss. water
A	3393' (-1238)	3395'	13.5	25	Poss. oil
B	3413' (-1258)	3417'	11.5	70	Poss. oil & water
B	3420' (-1265)	3324'	10.0	43	Poss. oil
D	3436' (-1281)	3338'	11.0	48	Poss. oil
G	3464' (-1309)	3470'	18.00	40	Poss. oil
G	3477' (-1322)	3483'	11.0	100	Poss. water
G	3492' (-1337)	3496'	11.0	82	Poss. water
H	3514' (-1359)	3518'	7.0	100	Poss. oil + water
H	3521' (-1366)	3525'	7.0	75	Poss. oil + water
I	No Porosity				
J	3548' (-1393)	3553'	12.0 (shaly)	90	Probably dry
K	3574' (-1419)	3577'	6.5	100	Poss. oil + water
K	3580' (-1425)	3582'	7.0	100	Poss. oil + water
L	3596' (-1441)	3598'	8.0	35	Poss. oil + water
M	3607' (-1452)	3612'	12.5	100	Poss. oil + water

Top of cement inside the casing is 3631-1/2'.

Water percentages above were calculated from Lane-Wells chlorina log. This is a new experimental device.

May 14, 1959

Moved in cable tools, rigged up and swabbed the hole dry. Rig time 12 hrs.

May 15, 1959

Ran the bailer, casing was dry, casing OK. Ran neutron-gamma ray survey. Perforated "K", "L" & "M" Zones.

Perforation Record "K", "L", "M" Zones

(Using Lane-Wells 4" NCF Jet Gun)

Perforated "M" Zone from 3607' - 3612' w/4 1/2" jets per foot.  
 Perforated "L" Zone from 3596' - 3598' w/4 1/2" jets per foot.  
 Perforated "K" Zone from 3580' - 3582' w/4 1/2" jets per foot.  
 Perforated "K" Zone from 3574' - 3577' w/4 1/2" jets per foot.

Ran the bailer after each series of perforations. Recovered some oil on each run, also no dry mud. Let stand for 1 hour and bailed out 2 gallons of mud and oil. 50 was oil.

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Acid Record "K", "L", "M" Zones

Acidized with 1000 gallons of Non-E. Displaced the acid in 2 hours. Maximum displacement pressure was 250 PSI. Pressure remained the same throughout the treatment.

Swabbed the load back and 8 bbls. more. The 8 bbls. was 95%+ water. Rig time 14 hrs.

May 16, 1959

150' fill up overnight, nearly all oil. The oil is very heavy and viscous. Trace of acid water and gas.

Swab Test "K", "L", "M" Zones

(After 1000 Non-E Acid)

Time	Tank Gauge	Bbls. Swabbed	Cumulative Bbls.	Remarks
7:30 a.m.	5' 6-1/2"	3.00	3.00	70% oil-30° API
1:30 p.m.	5' 7-1/2"	1.67	4.67	rest mud.

Acid Record, Second Job

Zones "K", "L", "M" using 250 MCA and 3000 H.V. Acid

Commenced displacing the acid at 100#. Pressure increased slowly during treatment to 175#. When 50 bbls. or 2000 gallons had been displaced, the pressure decreased from 175# to 125#, then to zero. Displacement rate was 30 gallons per minute. Treatment time was 2 hrs. Vacuum in 2 minutes. Rig time 11 hrs.

May 17, 1959

Fluid level 1200' from the surface. Swabbed the casing down and recovered 65 bbls. of the water load back. Lack 23 bbls. of having all of the 88 bbl. load water back. Nice show of oil after recovering the 65 bbls. of load. Next hour recovered 5 bbls. of fluid. Fluid about 50% oil.

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Swab Test "K", "L", "M" Zones

After Second Acid Treatment  
Using 250 MCA & 3000 H. V.

Time	Tank Gauge	Bbls. Swabbed	Cumulative Bbls.	Remarks
9:20 a.m.	4' 5-1/2"	Swabbed down - commenced hourly tests		
10:20 a.m.	4' 8-1/2"	5.01	5.01	50% oil
11:20 a.m.	4' 10-1/4"	2.92	7.93	46% oil, gravity 30° API
12:20 p.m.	5' 0"	2.92	10.85	40-50% oil
1:20 p.m.	5' 2-1/4"	3.76	14.61	40-50% oil
End of test				Water gravity 1.118

Perforation Record "I" & "J" Zones

Perforated 3541' - 3543', 3548' - 3553', 3557' - 3559' with 4 Lane-Wells NCF 1/2" jets per foot.

Set Baker retrievable plug at 3565' and dried up the hole. Formation making salt water and oil at the rate of about 150' per hour. 150' = about 4 bbls. Water gravity = 1.115, oil gravity = 32° API. Rig time 11 hrs.

May 18, 1959

600' fill up overnight, about 15% oil. 600' is 15 bbls. of fluid.

Swab Test "I" & "J" Zones

Time	Tank Gauge	Bbls. Swabbed	Cumulative Bbls.	Remarks
7:45 a.m.	5' 8"	Beginning of swab test		
8:45 a.m.	5' 11"	5.01	5.01	Water gravity 1.130
9:45 a.m.	6' 0"	1.67	6.68	to 1.125
10:45 a.m.	6' 1-1/4"	1.67	8.35	23% oil
11:45 a.m.	6' 2-1/2"	1.67	10.02	
12:45 p.m.	6' 3-1/2"	1.67	11.69	

Pulled the Baker retrievable plug from 3565' and perforated "H" Zone as follows:

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Perforation Record "H" Zone

Perforated 3514' - 3518' w/4 N.C.F. jet holes per foot.  
Perforated 3521' - 3525' w/4 N.C.F. jet holes per foot.

Reset the Baker plug at 3531' and then swabbed the hole down. After standing 1/2 hr, recovered 1.25 bbls. fluid, 20% oil. Oil gravity = 30° API at 80° F. Water gravity = 1.125. Next 1/2 hr. recovered 0.83 bbls. of fluid with a lot of rotary mud, no gas.

Swab Test "H" Zone

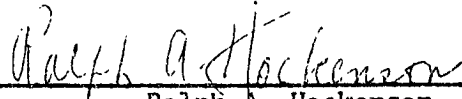
Time	Tank Gauge	Bbls. Swabbed	Cumulative Bbls.	Remarks
4:00	6' 5-1/4"	Hole swabbed down - started test		
5:00	6' 6-1/2"	2.09	2.09	Water gravity = 1.125 Oil gravity = 30° API at 80° F.
6:00	6' 7-3/4"	2.09	4.18	19% oil
7:00	6' 8-1/4"	1.80	5.98	

Rig time 12 hrs.

May 19, 1959

Fill up 400' overnight, 15-18% oil. Swabbed the hole down and recovered 3.7 bbls. of fluid in the next hour. 30% was oil. No change in oil and water gravity.

Pulled the Baker plug from 3531' and swabbed the hole some more with all zones open. Recovered 6 bbls. of fluid in 2 hours, 30% oil. Stacked out. Rig time 12 hrs.

  
Ralph A. Hockenson

RAH:my

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