

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

New Well  Re-Entry  Workover

Oil  WSW  SWD

Gas  DH  EOR

OG  GSW

CM (Coal Bed Methane)

Cathodic  Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

Deepening  Re-perf.  Conv. to EOR  Conv. to SWD

Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27  NAD83  WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: \_\_\_\_\_

Confidential Release Date: \_\_\_\_\_

Wireline Log Received  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to [kcc-well-logs@kcc.ks.gov](mailto:kcc-well-logs@kcc.ks.gov). Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Hawkins Oil, LLC
Well Name	JW SMITH 5B
Doc ID	1717588

All Electric Logs Run

Gamma Ray
Dual Induction
Dual Comp porosity
Radial bond log



Hawkins Oil, LLC  
Tulsa, Oklahoma

Scale 1:240 (5"=100') Imperial  
Measured Depth Log

Well Name: J.W. Smith #5 B  
Well Id: 15-015-24190  
Location: W/2 SW NE SW section 20-T28S-R4E  
License Number: 32693  
Spud Date: 2-25-23  
Surface Coordinates:  
Region: Butler County  
Drilling Completed: 3-1-23

Bottom Hole  
Coordinates:  
Ground Elevation (ft): 1272  
Logged Interval (ft): 2000  
Formation: Arbuckle  
Type of Drilling Fluid: Chemical  
K.B. Elevation (ft): 1281  
To: R.T.D. Total Depth (ft): 2936

Printed by MudLog from WellSight Systems 1-800-447-1534 www.WellSight.com

**OPERATOR**

Company: Hawkins Oil, LLC  
Address: 427 S. Boston Ave. #915  
Tulsa, Oklahoma 74103-4114

**GEOLOGIST**

Name: William M. Stout  
Company:  
Address: 1441 N. Rock Road #1903  
Wichita, Kansas 67206

**Comments**

The decision was made to further evaluate the Arbuckle thought perforations, and for possible SWD.

**CASING**

209' 8 5/8" surface casing @ 218' w/ 130 sacks cement.  
5 1/2" production casing @ 2552'

## Formation Tops and Show Descriptions

G.L. 1272 K.B. 1281

Formation	Sample	Log
Kansas City	2040 -759	2043 -762
BKC	2249 -968	2252 -971
Marmaton	2277 -996	2279 -998
Altamont	2322 -1041	2324 -1043
Cherokee	2411 -1130	2410 -1129
Ardmore	2473 -1192	2475 -1194
Arbuckle	2478 -1197	2478 -1197
Total Depth	2936 -1655	2937 -1656

Arbuckle 2478' -1197

2486' - 2500'

Dolomite – light brown, fine to medium crystalline, slightly cherty, good odor, scattered stain, some edge stain, some saturated, show free oil, scattered inter-crystalline porosity with fluorescence (25%).

2500' - 2520

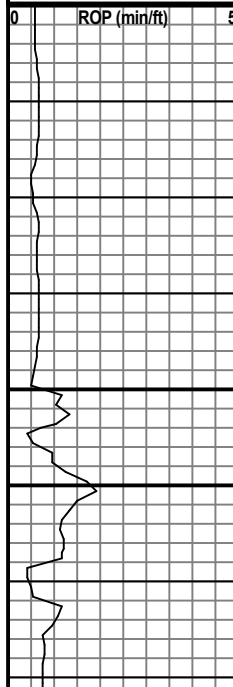
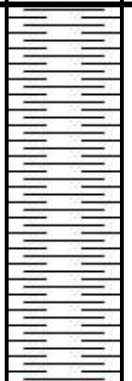
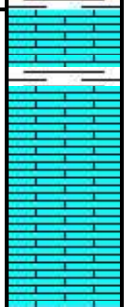
Dolomite – as above, with 45% fluorescence.

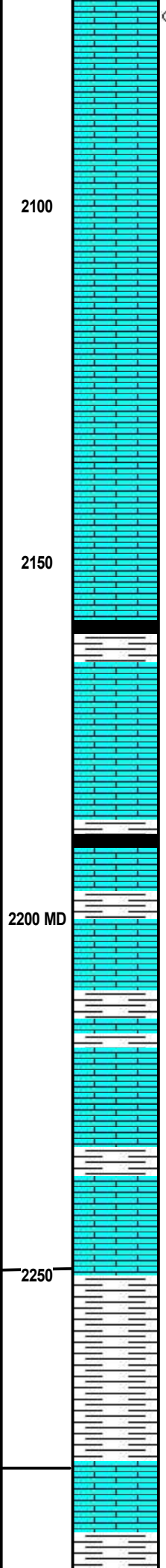
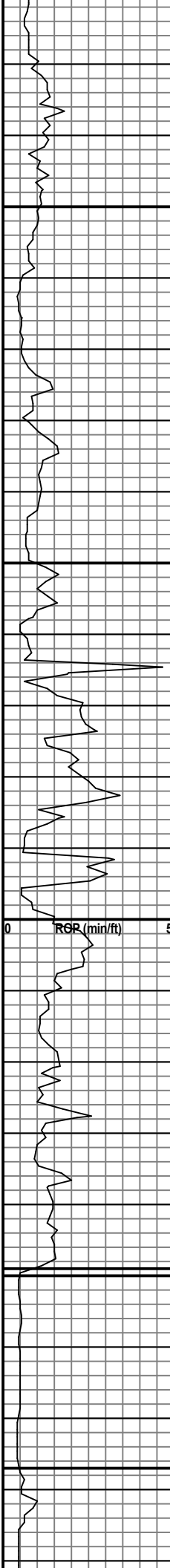
2520' – 2550'

Dolomite – as above, with chert, white, opaque, slight show free oil, fluorescence (10%).

### ROCK TYPES

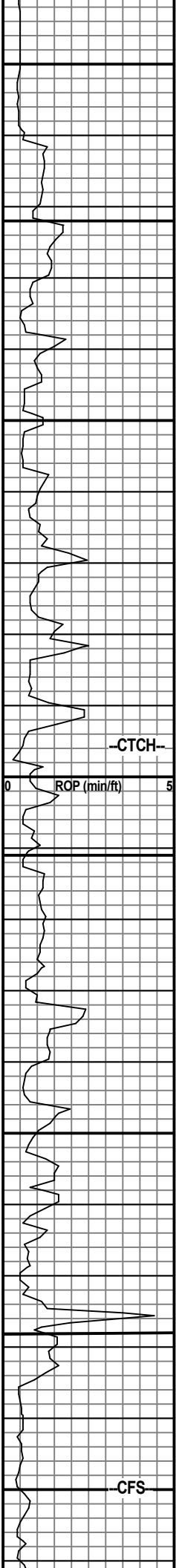
	Anhy		Clyst		Gyp		Mrlst		Shgy
	Bent		Coal		Igne		Salt		Sltst
	Brec		Congl		Lmst		Shale		Ss
	Cht		Dol		Meta		Shcol		Till

Curve Track 1 ROP (min/ft) _____	D S T	MD	Lithology	Oil Shows	Geological Descriptions	Remarks
		2000 MD			Sh- gy.  Sh- gy, m gy.  Sh- a.a., sli sdy.	5:40 p.m. 2-27-23  Kansas City 2040' -759
		2050			Ls- lt bm, bm, f-x, fos, dns, s/ chky, NS, NV por, Sh- a.a.  Ls- lt bm, f-x, fos, dns, chky, NS.	e-log -762



Ls- lt bm, f-x, fos, chky, ft odor, tr lt stn, NSFO, vy scat inxtln por, tr fluor.  
 Ls- lt bm, lt gy, f-x, fos, s/ dns, NS.  
 2100 Ls- lt bm, bm, gy, f-x, fos, dns, NS.  
 Ls- a.a., tr gy Sh.  
 Ls- lt bm, bm, f-x, fos, scat inxtln por, NS.  
 Ls- lt bm, bm, f-x, fos, dns, sli chky, NS.  
 2150 Ls- a.a., vy chky, NS.  
 Sh- gy, dk gy, blk, Ls- a.a.  
 Ls lt gy, gy, lt bm, f-x, fos, dns, NS.  
 Sh- dk gy, gy, bkl, s/ carb, Ls- a.a.  
 2200 MD Ls- lt gy, lt bm, f-x, dns, w/ Sh- gy.  
 Ls- lt gy, gy, lt bm, f-x, few fos, arg, NS, NV por, w/ Sh- gy.  
 Ls- a.a.  
 Ls- lt bm, lt gy, f-x, fos, dns, NS, Sh- a.a.  
 2250 Sh- gy, dk gy, LS- a.a.  
 Sh- gy, dk gy, gm.  
 Sh- a.a., Ls- lt bm, f-x, fos, dns, NS.

Base Kansas City 2249' -968  
 e-log -971  
 Marmaton 2277' -996  
 e-log -998



2300	Sh- gy, gm, S/ Ls- a.a.
	Sh- a.a.
2350	Ls- lt bm, f-x, few fos, dns, NS, NV por, Sh- a.a.
	Ls- a.a. w/ Sh- gy, gm, s/ blk.
	Sh- gy, gm, sdy, in pt.
	Sh- a.a., s/ Ss- lt gm, lt bm, f-gm, arg, calc, hd, NS, NV por, s/ Ls- a.a.
	Sh- gy, dk gy, s/ gm, sdy in pt.
	Sh- a.a. w/ Ls- lt bm, f-x, dns, fos, NS.
	Ls- a.a., w/ Sh- a.a., s/ blk.
2400 MD	Ls- lt bm, bm, f-x, fos, dns, w/ sh- dk gy, gy, blk, s/ carb.
2450	Sh- gy, dk gy, s/ blk, sdy.
	Sh- gy, dk gy, gm, sdy.
	Sh- gy, gm, calc, s/ sdy, sour odor.
	Sh- gy, dk gy, gm, calc, s/ sdy.
	Sh- a.a., s/ Ls- gy, f-x, dns, arg.
	Ls- lt bm, f-x, dns, w/ Sh- a.a.
2500	Dol- lt bm, lt gy, f-x, s/ dns, fr odor, scat lt stn, SFO, scat inxtln por, w/ fluor, (30%).
	Dol- lt bm, f m-x, sli chty, gd odor, scat stn, s/ edge stn, SFO, inxtln por, w/ fluor, (25%), s/ Dol- lt gy, f-x, dns.
	Dol- a.a., s/ stn sat, Cht- wht, opq.
	Dol- a.a., w/ gd odor, lt bm stn, SFO, inxtln & vug por, w/ fluor, (45%).

Altamont 2322' -1041

e-log -1043

Short Trip @ 2396' 4:30 a.m.  
2-28-23

Back drilling 6:40 a.m.

Cherokee 2411' -1130

e-log -1129

Vis. 34  
Wt. 9.1  
LCM 4#

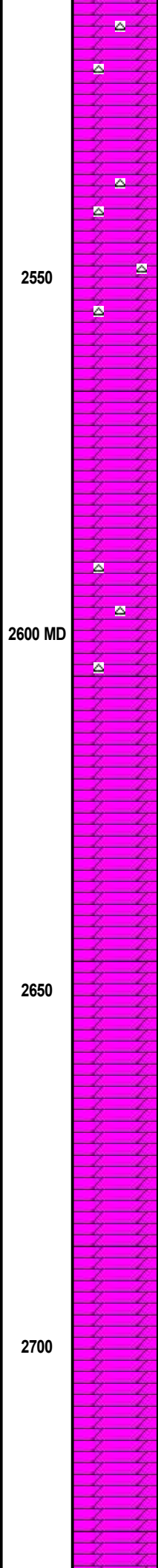
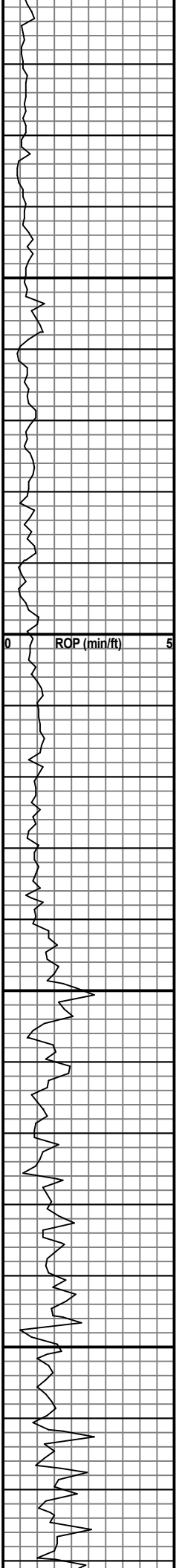
Vis. 41  
Wt. 9.2  
W.L. 9.6  
LCM 3#

Arbuckle 2478' -1197

e-log -1197

C.F.S. @ 2500' 10-20-30 min.





Dol- a.a.  
 Dol- lt bm, bm, f m-x, scat lg xtals, dns, fr to  
 gd odor, scat inxtln & vug por, w/ lt stn &  
 fluor (20%).  
 Dol- a.a., chty.  
 Dol- lt bm, lt gy, f m-x, s/ dns, chty, fr odor,  
 scat stn, SSFO, inxtln & vug por, w/ fluor,  
 (10%).  
 Dol- lt bm, m-x, scat inxtln & vug por, scat  
 stn, VSSFO, spotty fluor.  
 Dol- a.a., ft odor.  
 Dol- lt bm, f m-x, s/ dns, scat inxtln & vug por,  
 vy scat lt stn, ft odor, NSFO, tr spotty fluor.  
 Dol- lt gy, f-x, dns, sli chty, NS.  
 Dol- bm, f-x, dns, tr inxtln por, NS.  
 Dol- a.a.  
 Dol- a.a., s/ gy, vy dns, NS,  
 Dol- lt gy, gy, vy f to f-x, dns, NS,  
 Dol- a.a., s/ inxtln por.  
 Dol- a.a., s/ lt bm, scat por, NS, sli chty.  
 Dol- lt bm, m-x, s/ dns, scat inxtln por, NS.  
 Dol- lt gy, f-x, dns, NS.  
 Dol- lt gy, f-x, dns, NS.

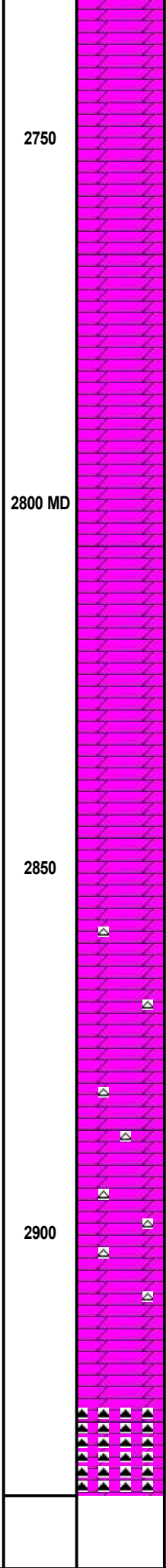
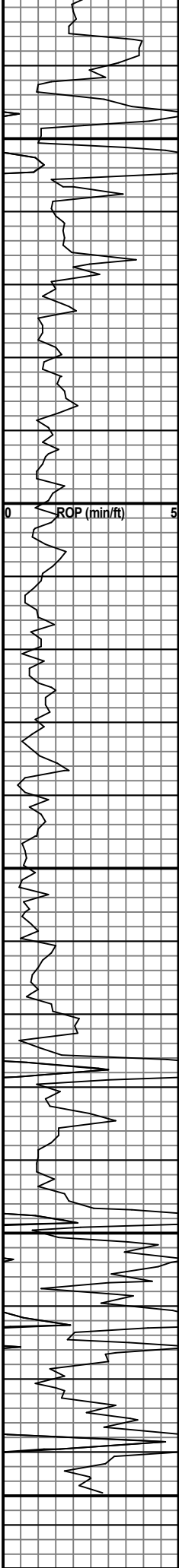
2550

2600 MD

2650

2700

ROP (min/ft) 5



Dol- lt gy, lt brn, f m-x, dns, scat por.

Dol- a.a., s/ Sh- dk gy.

Dol- a.a., NS.

Dol- lt gy, lt brn, f m-x, dns, scat por, NS.

Dol- a.a.

Dol- lt gy, lt brn, m-x, scat cors atals, s/ vy dns, vy scat inxtln por, Ns.

Dol a.a.

Dol-a.a., sli chky.

Dol- lt gy, gy, m f-x, dns, scat por, NS

Dol- a.a., s/ chty.

Dol- lt gy, gy, f m-x, dns, chty, NS, tr por.

Dol- a.a.

Dol- a.a., vy dns, chty.

Dol- gy, m-x, dns, chty, Qrts- lt gy, vy dns, NV por

R.T.D. 2936' -1655  
2:30 a.m. 3-1-23

L.T.D. 2937' -1656

810 E 7<sup>TH</sup>  
 PO Box 92  
 EUREKA, KS 67045  
 (620) 583-5561



**Cement or Acid Field Report**  
 Ticket No. **7055**  
 Foreman David Gardner  
 Camp Eureka

API# 15-015-24190

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
3-1-23	1259	JW Smith #5B	20	28S.	4E.	Butler	KS
Customer <u>Hawkins Oil LLC</u>		Safety Meeting DG AM DK	Unit #	Driver		Unit #	Driver
Mailing Address <u>PO Box 731</u>			<u>104</u>	<u>Alan M.</u>			
City <u>Andover</u>			<u>110</u>	<u>Dank.</u>			
State <u>KS</u>	Zip Code <u>67002</u>						

Job Type Longstring Hole Depth 2936' K.B. Slurry Vol. 49 Bbl Tubing \_\_\_\_\_  
 Casing Depth 2553.36' G.L. Hole Size 7 7/8" Slurry Wt. 13.8\* Drill Pipe \_\_\_\_\_  
 Casing Size & Wt. 5 1/2" 14\* Cement Left in Casing 0' Water Gal/SK \_\_\_\_\_ Other \_\_\_\_\_  
 Displacement 63 1/4 Bbl Displacement PSI 900 Bump Plug to 1400 PSI BPM \_\_\_\_\_

Remarks: Safety Meeting: 5 1/2" 14\* Used casing set @ 2553.36' G.L. Rig up to 5 1/2" casing. Break circulation w/ 15 Bbl fresh water. Mixed 150 sks Thick Set Cement w/ 5\* Kolseal/sk, 2\* Phenoseal /sk @ 13.8\*/gal, yield 1.85 = 49 Bbl slurry. Wash out pump & lines. Shutdown. Release Latch Down Plug. Displace plug to seat w/ 63 1/4 Bbl fresh water. Final pumping pressure of 900 PSI. Bump plug to 1400 PSI. Wait 2 mins. Release pressure. Float & plug held. Good circulation @ all times while cementing. Job complete. Rig down.

Set Basket Shoe @ 800 PSI ahead of 15 Bbl fresh water flush.

Plug R.H. w/ 20 sks & M.H. w/ 15 sks  
Centralizers on #1, 2, 3, 4, 5 Basket on #6

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C102	1	Pump Charge	1180.00	1180.00
C107	50	Mileage	5.00	250.00
C201	185 sks	Thick Set Cement	24.25	4486.25
C207	925#	Kolseal 5#/sk	.56	518.00
C208	370#	Phenoseal 2#/sk	1.55	573.50
		150 sks Longstring 20 sks R.H. + 15 sks M.H.		
C108B	10.17 Tons	Ton Mileage - 50 Miles	1.50	762.75
C761	1	5 1/2" Type B Basket Shoe	1596.00	1596.00
C681	1	5 1/2" Float Collar Body w/ Inverted Latch Down Insert.	254.00	254.00
C504	5	5 1/2" x 7 7/8" Centralizers	59.00	295.00
C604	1	5 1/2" Cement Basket	278.00	278.00
C421	1	5 1/2" Latch Down Plug	285.00	285.00
<u>Thank You</u>			Sub Total	10,478.50
			Less 5%	550.85
			6.5 % Sales Tax	538.57

Authorization by Dan Flowers Title Co./Rep. Total 10,466.22

I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.

810 E 7<sup>TH</sup>  
 PO Box 92  
 EUREKA, KS 67045  
 (620) 583-5561



**Cement or Acid Field Report**  
 Ticket No. **7090**  
 Foreman Russell McCoy  
 Camp Eureka

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State	
2-26-23	1259	JW Smith #5 B	20	28	4	Butler	Ks	
Customer <u>HAWKINS OIL LLC.</u>			Safety Meeting		Unit #	Driver	Unit #	Driver
Mailing Address <u>427 S BOSTON AVE STE 915</u>			RM		12B	Russell		
City <u>TUSA</u>			AB		104	AB		
State <u>OK</u>			DAN		113	DAN		
Zip Code <u>74103</u>								

Job Type SURFACE Hole Depth 224 Slurry Vol. 31 Tubing \_\_\_\_\_  
 Casing Depth 209 G.L. Hole Size 12 1/4 Slurry Wt. 15 # Drill Pipe \_\_\_\_\_  
 Casing Size & Wt. B5/B 24 # Cement Left in Casing 25 +/- Water Gal/SK 6.5 Other \_\_\_\_\_  
 Displacement 12 3/4 Displacement PSI \_\_\_\_\_ Bump Plug to \_\_\_\_\_ BPM 5

Remarks: SAFETY + JOB PROCEDURE, RIG TO B5/B CASING, Break Circulation w/ 10  
Bbl water. mix 130 SKS Reg CLASS A cement w/ 3% CaCl2 2% Gel 1/4 # Flocc  
= 31 Slurry @ 15# Displace w/ 12 3/4 water. 6 Bbl cement slurry to surface.  
JOB complete, Tear Down.  
Thank you!  
Russ McCoy

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C-101W	1	Pump Charge	1265.00	1265.00
C-1-07	50	Mileage	5.00	250.00
C-200	130 SKS	CLASS A cement	18.55	2411.50
C-205	350 #	CaCl2 = 3%	.75	262.50
C-206	240 #	Gel = 2%	.30	72.00
C-209	30 #	Flocc	2.80	84.00
C-100B	6.1	Tow Ton Mileage x 50 miles	1.50	457.50
			Sub TOTAL	4802.50
			590	<249.32>
			Sales Tax	183.95

Authorization By Judd Title COG Tool Pusher Total 4131.13

I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.