

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. 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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810 E 7TH
 PO Box 92
 EUREKA, KS 67045
 (620) 583-5561



Cement or Acid Field Report
 Ticket No. **4016**
 Foreman Kevin McCoy
 Camp EUREKA

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
7-9-18	1047	J. J. MORRIS #8 OWWO	5	245	12E	GW	Ks
Customer		Safety Meeting KM AM JH RL ZA	Unit #	Driver		Unit #	Driver
Mailing Address			104	ALAN M.			
806 McLANCE CT.			112	RICK L.			
City			114	JASON H.			
Liberty			140 T147	Zevi A.			
State	Zip Code	145	Allen B.				
Mo.	64068						

Job Type Longstring Hole Depth 1847' Slurry Vol. 38 BBL LEAD Tubing _____
28 BBL TAIL
 Casing Depth 1845' Hole Size 6 1/4" below 7" CASING Slurry Wt. 12.8# - 13.4# Drill Pipe _____
 Casing Size & Wt. 4 1/2 11.60 # Cement Left in Casing 0' Water Gal/SK _____ Other _____
 Displacement 30.2 BBL Displacement PSI 1100 Bump Plug to 1700 PSI BPM _____

Remarks: SAFETY Meeting: Old 7" Production Casing Set @ 1594'. Rig 6 Drilg. Co. drilled 6 1/4" Hole from 1632' to TD of 1847'. Ran 4 1/2 11.60# casing to 1845'. Rig up to 4 1/2 casing. BREAK CIRCULATION w/ 5 BBL Fresh water. Pump 500# Gel flush, 10 BBL METASILICATE Pre Flush w/ Dye, 10 BBL Fresh water SPACER. MIXED 130 SKS 60/40 Pozmix Cement w/ 6% Gel, 1# PhenoSeal/sk @ 12.8#/gal, yield 1.65 = 38 BBL SLURRY. TAIL IN w/ 80 SKS THICK Set Cement w/ 5# Kol-Seal/sk @ 13.4#/gal, yield 1.96 = 28 BBL SLURRY. (While mixing cement, ANNULUS WAS BRIDGING OFF AND Pressure got AS High AS 1500 PSI A Few Times) WASH out Pump & Lines. Shut down. Release Plug. Displace Plug to SEAT w/ 30.2 BBL Fresh water. FINAL Pumping Pressure 1100 PSI. Bump Plug to 1700 PSI. WAIT 2 mins. Release Pressure. FLOAT Held. Good Cement Returns to SURFACE = 17 BBL SLURRY to Pit. ANNULUS Standing FULL OF Cement. Job Complete. Rig down.

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C 102	1	Pump Charge	1050.00	1050.00
C 107	20	Mileage	3.95	79.00
C 113	2 HRS	80 BBL VAC TRUCK (HAUL CREEK WATER to Drilg Rig)	85.00	170.00
C 203	130 SKS	60/40 Pozmix Cement	12.75	1657.50
C 206	670 #	Gel 6% } Lead Cement	.20 #	134.00
C 208	130 #	PhenoSeal 1#/sk	1.25 #	162.50
C 201	80 SKS	THICK Set Cement } TAIL Cement	19.50	1560.00
C 207	400 #	Kol-Seal 5#/sk	.45 #	180.00
C 206	500 #	Gel Flush	.20 #	100.00
C 108 A	10 TONS	Ton Mileage BULK TRUCKS x 2	M/c	450.00
C 114	3 HRS	WATER TRANSPORT	110.00	330.00
C 224	5200 gals	CITY WATER	10.00/1000	52.00
C 216	50 #	METASILICATE Pre Flush	2.00 #	100.00
C 403	1	4 1/2 Top Rubber Plug	45.00	45.00
C 653	1	4 1/2 Flapper Valve FLOAT Shoe	239.00	239.00
C 503	4	4 1/2 x 6 1/4 CENTRALIZERS	44.00	176.00
			Sub Total	6485.00
			Less 5%	340.77
			Sales Tax	330.45
			7.5%	
			Total	6474.68

Authorization Witnessed By Gale Title _____

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.

GEOLOGICAL REPORT

Lockard Petroleum, Inc.

J.J. Morris #8 OWWO

NE NE NE SW Section 5-T24S-R12E

Greenwood County, Kansas

COMMENCED: 07-04-18	STATUS: Oil
COMPLETED: 07-08-18	A.P.I. #: 15-073-01021-0001
CONTRACTOR: Rig 6 Drilling Co., Inc	OPERATOR LIC.: 33753
SIZE OF HOLE: 6 1/4"	FIELD: Selley-Wick
SURFACE PIPE: 8 5/8"	ELEVATION: 1068 G.L.
CEMENTED WITH: N/A	LOGS: None
LONG STRING: 4 1/2"	MUD SYSTEM: Chemical
CEMENTED WITH: N/A	OTHER:
R.T.D.: 1845	

William M. Stout
7-9-18

William M. Stout
Geologist

PORT

C.

-R12E

AS

STATUS: Oil

A.P.I. #: 15-073-01021-0001

OPERATOR LIC.: 33753

FIELD: Selley-Wick

ELEVATION: 1068 G.L.

LOGS: None

MUD SYSTEM: Chemical

OTHER:

William M. Stout
Geologist

William M. Stout
7-9-18

FORMATION TOPS

1068 G.L.

	Sample
Mississippi	1775 -707
Mississippi Porosity	1797 -729
Total Depth	1845 -777

SAMPLE DESCRIPTIONS

Mississippi 1775 (-707)
1775' - 1801'

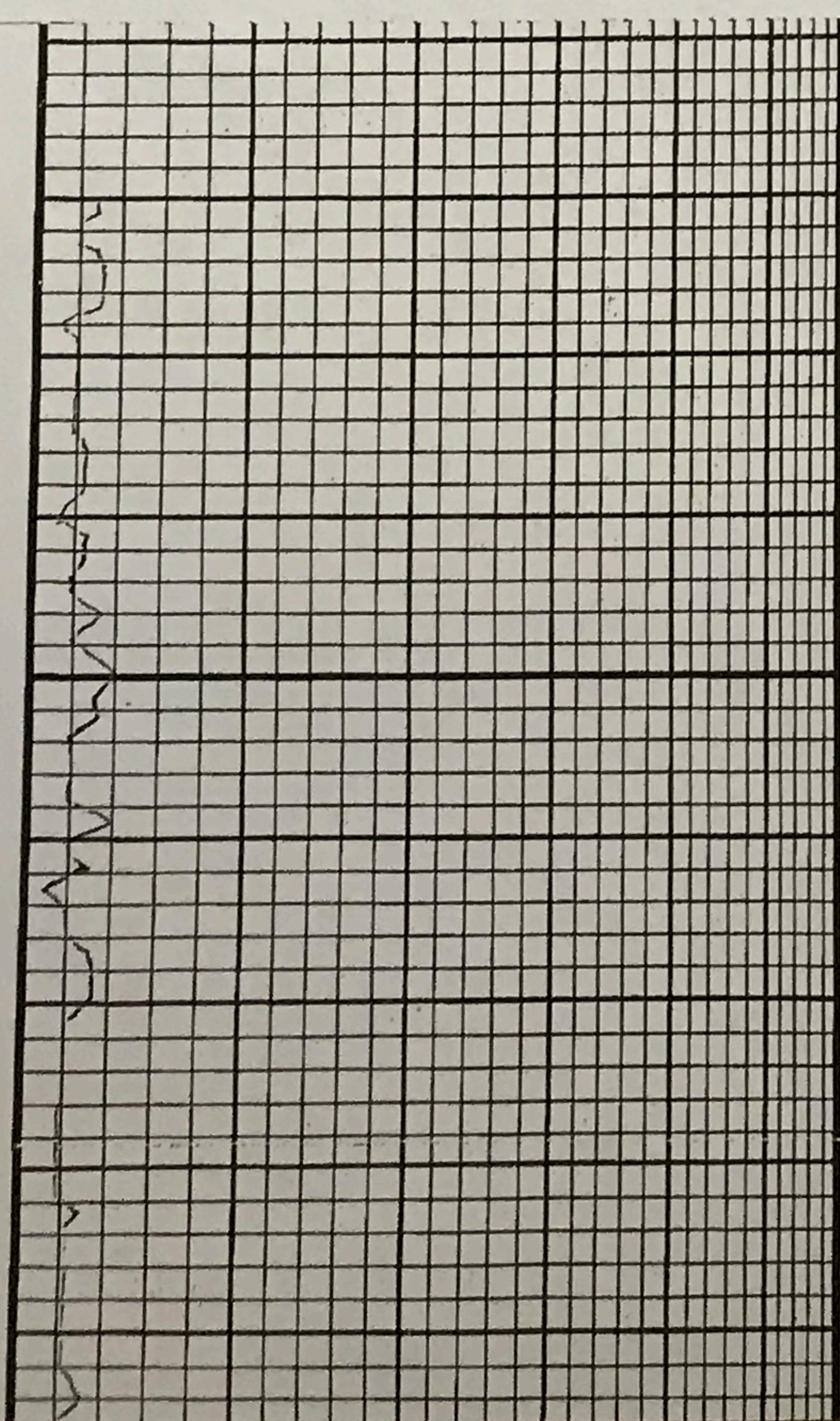
Limestone - light brown, off white, medium to coarse crystalline, dolomitic, faint to fair odor, scattered dark stain, show free oil, trace fluorescence, intercrystalline porosity.

Mississippi Porosity 1797' (-729)
1797' - 1809'

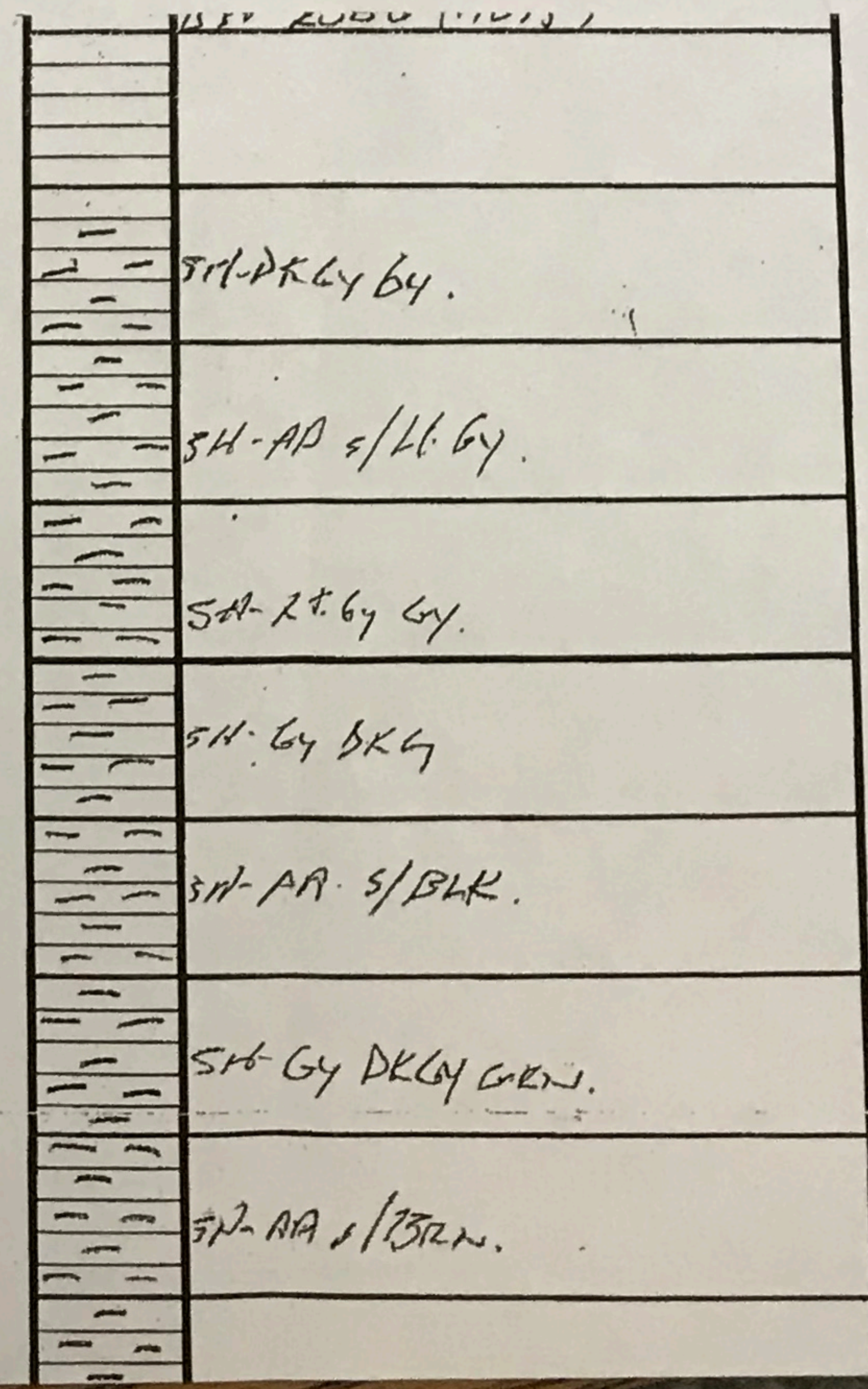
Dolomite - light brown, fine crystalline, friable, good odor, light stain, show free oil with gas bubbles, intercrystalline porosity with fluorescence (50%).

CONCLUSIONS

This well was deepened from an old total depth of 1632' to the Mississippi with a new total depth of 1845'. The decision was made to run 4 1/2" casing and test the Mississippi through perforations.



1700



SH-DR GY

SH-AD s/LL GY

SA-2+ GY

SH-GY BK GY

SH-PA s/BLK

SH-GY DR GY

SH-PA s/BLK

1068 G.L. EST
OLD T.D.
1632 (-564)

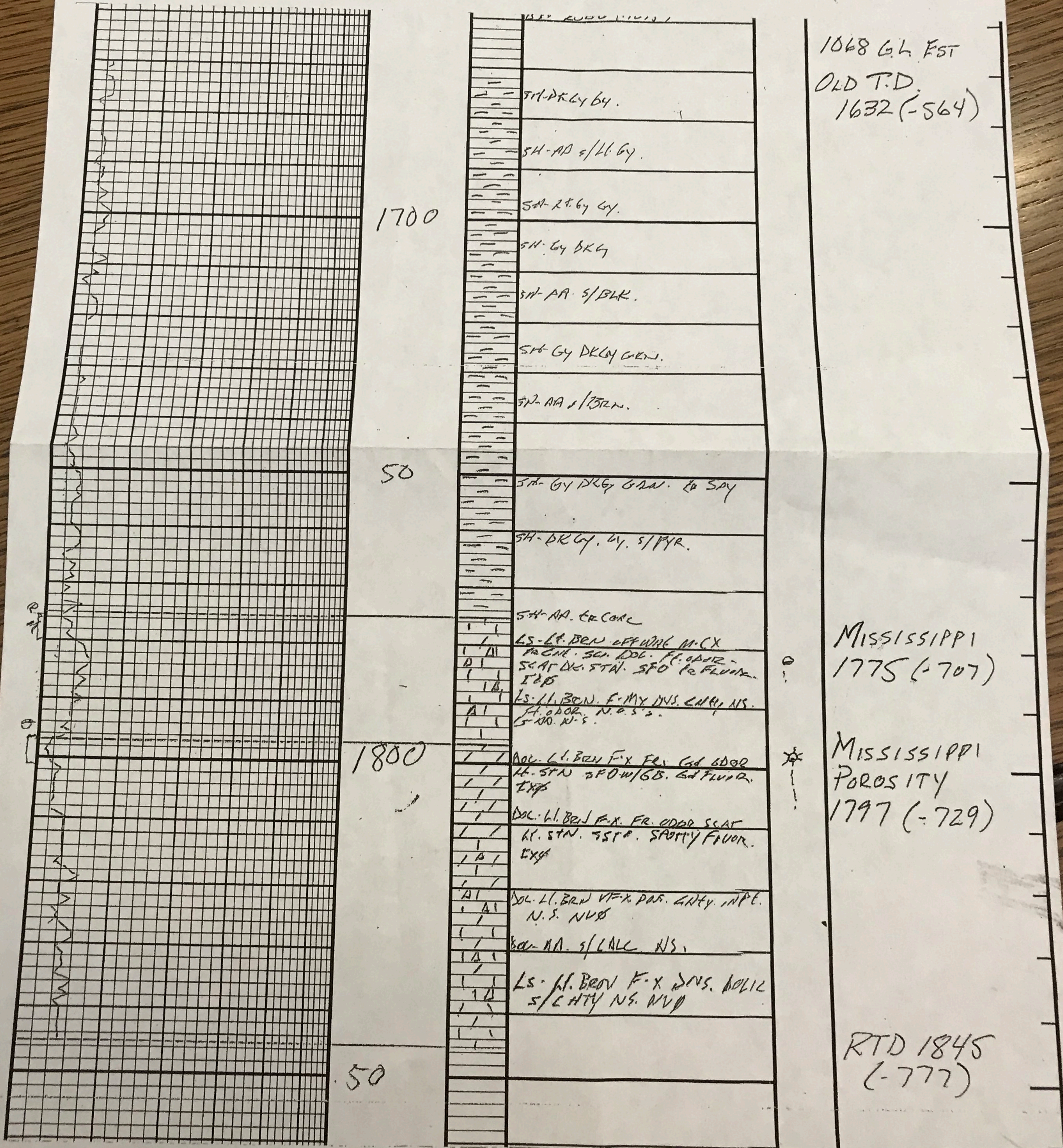
dolomitic, faint to fair odor, scattered dark stain, show free oil, trace fluorescence, intercrystalline porosity.

Mississippi Porosity 1797' (-729)
1797' - 1809'

Dolomite - light brown, fine crystalline, friable, good odor, light stain, show free oil with gas bubbles, intercrystalline porosity with fluorescence (50%).

CONCLUSIONS

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COMPANY: Lockard Petroleum
 ADDRESS: 806 Melanie Ct.
 Liberty, MO 64068

LEASE: JJ Morris
 COUNTY: Greenwood
 LOCATION: 2496 FSL 2898 FEL
 5-24-12

COMMENCED: 7/2/2018
 COMPLETED: 7/9/2018
 WELL #: 8 OWWO
 API#: 15-073-01021-00-00
 STATUS:
 TOTAL DEPTH: 1,845'
 CASING: 1844'-4 1/2" csg.
 Elite Cement

DRILLER'S LOG

7/2/2018	9:00 AM 10:00 AM	10:00 AM 12:00 Noon	Move Rig to Location & Rig up on 7" Casing Skid Rig, Complete Move
7/6/2018	8:00 AM 10:00 AM 4:00 PM	10:00 AM 4:00 PM 4:45 PM	Sart Up, MRTD Run 1.639' 3-1/2 DS to 7" TD Drilling 1646 Shale (SH) Gray 1648 Limestone (LS) 1649 SH Black 1654 SH 1656 LS
	4:45 PM 5:00 PM	5:00 PM 6:30 PM	Circulate for MU MU & Shut Down. Pull K +1
7/7/2018	8:00 AM 10:00 AM	10:00 AM 5:00 PM	MRTD, Jet Pit, Circulate Down Drilling 1699 SH 1702 LS 1711 SH 1713 LS 1751 SH (Sandy) 1756 SA LS (soft) 1757 SH Black 1770 SA SH 1772 LS (Mississippi) 1776 LS (Soft, Lt. Show) 1797 LS 1809 LS (Brk Good Odor) 1845 LS 1845 TD
	5:00 PM	5:30 PM	Shut Down
7/8/2018	10:00 AM	2:00 PM	Start Up-Lay Down Drill pipe
7/9/2018	8:00 AM 9:30 AM 7:00 PM 8:15 PM	9:30 AM 7:00 PM 8:15 PM 8:30 PM	MRT-Csg. & Cutoff 7" Run 1,845' 4-1/2 Cement Csg. - Elite Shut Down



Zimmerman Welding And Backhoe LLC
 17 East Garfield
 P.O. Box 15
 Hamilton, KS 66853

Invoice

Invoice # 8674
 Date: 9/20/2018

Bill To:

Lockard Petroleum
 806 Melanae Court
 Liberty, MO 64068

Please feel free to contact us!
 Phone: 620-678-3258
 Fax: 620-678-3864
 Email: zimmermanwelding@yahoo.com

Lease Name: **JJ Morris**

Date Serviced	Item	Hours / QTY	Description	Rate	Amount
7/12/2018	Labor-Regular	3.5	Labor with or without welding truck	73.00	255.50
	helper	3.5	labor/helper	32.00	112.00
	Quickrete	7	Quickrete, per bag Well #8 Picked up cement from shop. Took to lease and mixed up 1/2 bag at a time and poured down between 7" and surface. Used up all seven bags, still did not get to surface.	4.31	30.17
7/16/2018	Labor-Regular	2.5	Labor with or without welding truck	73.00	182.50
	helper	2.5	labor/helper	32.00	80.00
	Quickrete	12	Quickrete, per bag Well #8 Continued mixing and pouring cement between the 7" and the surface pipe. Used up all 12 bags, still did not make it to the surface.	4.31	51.72
7/17/2018	Labor-Regular	1	Labor with or without welding truck	73.00	73.00
	helper	1	labor/helper	32.00	32.00
	Quickrete	2	Quickrete, per bag Well #8 Mixed up and poured in two more bags of cement. Finally reached the top. Cleaned up the mess.	4.31	8.62
			Sales Tax	7.50%	61.91

Total: \$887.42

Please note that we cannot warranty parts or repairs made by other companies.

Due by the 20th of billing month, late charge of 5% starts first of following month.

Thank you for your business!