KOLAR Document ID: 1540121

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 # 32705
Name: Raney Oil Company, LLC
Address 1: 4665 BAUER BROOK CT.
Address 2:
City: LAWRENCE State: KS Zip: 66049 + 9013
Contact Person: Thomas Raney
Phone: (785) 749-0672
CONTRACTOR: License # 5929
Name: Duke Drilling Co., Inc.
Wellsite Geologist: Roger Martin
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 #:

11/17/2020 Spud Date or Recompletion Date
11/26/2020 Date Reached TD
12/14/2020 Completion Date or Recompletion Date

API No.: 15-035-24723-00-00
Spot Description:
NE - SW - NE - NE Sec. 6 Twp. 34 S. R. 6 ☑ East ☐ West
707 Feet from ☑ North / ☐ South Line of Section
762 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☑ NE ☐ NW ☐ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Cowley
Lease Name: JONES MOAD Well #: 1-SWD
Field Name:
Producing Formation: Arbuckle
Elevation: Ground: 1130 Kelly Bushing: 1136
Total Vertical Depth: 3650 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 337 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: 500 ppm Fluid volume: 5000 bbls
Dewatering method used: Evaporated
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: 12/28/2020
☐ **Confidential Release Date:** 12/28/2022
☑ **Wireline Log Received** ☐ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☑ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** Karen Ritter **Date:** 12/29/2020

Operator Name: Raney Oil Company, LLC Lease Name: JONES MOAD Well #: 1-SWD

Sec. 6 Twp. 34 S. R. 6 ☑ East ☐ West County: Cowley

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 *(Attach Additional Sheets)*	☐ Yes	☑ No
Samples Sent to Geological Survey	☑ Yes	☐ No
Cores Taken	☐ Yes	☑ No
Electric Log Run	☑ Yes	☐ No
Geologist Report / Mud Logs	☑ Yes	☐ No

List All E. Logs Run:

DIL

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Heeb	1355	-219
Stal	1688	-552
Lay	2130	-994
Miss	2929	-1793
Arb	3398	-2262
RTD	3955	-2819

CASING RECORD ☑ New ☐ 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
Surface	12.25	8.625	20	337	Class A	200	2% gel 3% calc
Production	7.875	5.5	17	3468	thick set	150	5# Kol-Seal

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ 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: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:	
		Top	Bottom
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☑ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*	3468	3950

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)*

TUBING RECORD:	Size:	Set At:	Packer At:
	3.5	3650	3409

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Raney Oil Company, LLC
Well Name	JONES MOAD 1-SWD
Doc ID	1540121

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	20	337	Class A	200	2% gel 3% calc
Production	7.875	5.5	17	3468	thick set	150	5# Kol-Seal

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

ELITE CEMENTING & ACID SERVICE, LLC

Cement or Acid Field Report
Ticket No. **5283**
Foreman David Gardner
Camp Eureka

API# 15-035-24723

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
11-17-20	1258	Jones MOAD #1-SWD	6	34 S.	6 E.	Cowley	KS

Customer: RA Energy LLC
Mailing Address: 11613 Rosewood St. Ste 100
City: Leawood | State: KS | Zip Code: 66211

Safety Meeting: DG JH HV

Unit #	Driver	Unit #	Driver
105	Jason		
113	Josh		

Job Type: Surface | Hole Depth: 348' K.B. | Slurry Vol.: 48 Bbl | Tubing:
Casing Depth: 337.35' | Hole Size: 12¼" | Slurry Wt.: 15# | Drill Pipe:
Casing Size & Wt.: 8⅝" 24# | Cement Left in Casing: 15' +/- | Water Gal/SK: 6.5 | Other:
Displacement: 21 Bbl | Displacement PSI: | Bump Plug to: | BPM:

Remarks: Safety Meeting. Rig up to 8⅝" casing. Break circulation w/ 10 Bbl fresh water. Mixed 200 sks Class A Cement w/ 3% Cacl2, 2% Gel, ¼# Floseal/sk @ 15#/gal, yield 1.35 = 48 Bbl slurry. Displace w/ 21 Bbl fresh water. Shut down. Shut casing in. Good cement returns to surface = 5 Bbl slurry to pit. Job complete. Rig down.

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C101	1	Pump Charge	890.00	890.00
C107	60	Mileage	4.20	252.00
C200	200 sks	Class A Cement	15.75	3150.00
C205	565#	Cacl2 3%	.63	355.95
C206	375#	Gel 2%	.21	78.75
C209	50#	Floseal ¼#/sk	2.35	117.50
C108B	9.4 Tons	Ton Mileage - Bulk Truck	1.40	789.60
		Thank You		
			Sub Total	5,633.80
		6.5%	Sales Tax	240.64
			Total	5,874.44

Authorization: Dean Vasquez Title: Toolpusher

I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to

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

ELITE CEMENTING & ACID SERVICE, LLC

Cement or Acid Field Report
Ticket No. **5348**
Foreman Kevin McCoy
Camp Eureka

API # 15-035-24723

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
11-26-20	1375	Jones Moad #1-SWD	6	34S	6E	Cowley	Ks

Customer: RA Energy LLC,
Mailing Address: 11615 Rosewood ST. STE 100
City: Leawood | State: Ks | Zip Code: 66211

Safety Meeting: KM AM SM

Unit #	Driver	Unit #	Driver
104	Alan M.		
110	Steve M.		

Job Type Longstring | Hole Depth 3955' | Slurry Vol. 39 BBL | Tubing
Casing Depth 3467.51' | Hole Size 7 7/8 | Slurry Wt. 13.8# | Drill Pipe
Casing Size & Wt. 5½" 17# | Cement Left in Casing 44.37' SJ | Water Gal/SK 9.0 | Other
Displacement 80.7 BBL | Displacement PSI 700 | Bump Plug to 1150 PSI | BPM

Remarks: Safety Meeting: 5½" 17# Casing w/ Basket Shoe Set @ 3467.51'. Rig up to 5½ Casing. Drop BRASS BALL. WAIT 10 MINS. Set BASKET Shoe @ 750 PSI. Pump 12 BBL Fresh WATER Ahead, Mixed 125 SKS THICK Set Cement w/ 5# Kol-SEAL /SK, 2# PhenoSEAL /SK @ 13.8 #/GAL, yield 1.75 = 39 BBL SLURRY. WASH out Pump & LINES, Shut down, Release LATCH down Plug. Displace Plug to SEAT w/ 80.7 BBL Fresh WATER. FINAL Pumping PRESSURE 700 PSI. Bump Plug to 1150 PSI. WAIT 2 MINS. Release PRESSURE. FLOAT & Plug Held. Good CIRCULATION @ ALL times while Cementing. Plug R.H. w/ 25 SKS Cement. Job Complete. Rig down.

Note: Thread Locked Basket Shoe & 1ST Joint

Centralizers on #1, 4, 6, 9, 12 Baskets on Top of #1, 10

Code	Qty or Units	Description of Product or Services		Unit Price	Total
C 102	1	Pump Charge		1100.00	1100.00
C 107	60	Mileage		4.20	252.00
C 201	150 SKS	THICK Set Cement		20.50	3075.00
C 207	750#	Kol-SEAL 5#/SK	125 SKS on Longstring	.47#	352.50
C 208	300#	PhenoSEAL 2#/SK	25 SKS R.H.	1.30#	390.00
C 108B	8.25 TONS	TON Mileage 60 miles		1.40	693.00
C 421	1	5½ LATCH down Plug		242.00	242.00
C 761	1	5½ Type B BASKET Shoe		1355.00	1355.00
C 681	1	5½ FLOAT Collar Body only		215.00	215.00
C 604	2	5½ Cement BASKETS		236.00	472.00
C 504	5	5½ x 7 7/8 CENTRALIZERS		50.00	250.00
C 790	1	THREAD LOCK Kit		30.00	30.00
C 781	1	5½ Stop Ring		30.00	30.00
				Sub TOTAL	8456.50
		THANK You		Less 5%	443.66
			6.5%	Sales Tax	416.75
				Total	8429.59

Authorization Roger Martin Title CEO

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.

From: **Roger Martin** rmrockhand@gmail.com
Subject: JonesMOAD#1SWD DIL
Date: December 28, 2020 at 11:43 AM
To: Ann Raney annraney@icloud.com, Thomas Raney annraney@me.com, Roger Martin rogermartingeo@yahoo.com

See attached pdf

From: **Roger Martin** rmrockhand@gmail.com
Subject: Raney Oil Jones MOAD #1SWD geo-report
Date: December 29, 2020 at 1:35 PM
To: Ann Raney annraney@icloud.com, Thomas Raney annraney@me.com
Cc: Roger Martin rogermartingeo@yahoo.com

Please find attached PDF of subject geo report

ROGER L. MARTIN

INDEPENDENT PETROLEUM GEOLOGIST 316-250-6970

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY RANEY OIL CO. LLC & RA ENERGY LLC.

LEASE JONES MOAD #1 SWD

FIELD CABIN VALLEY

LOCATION 707' FNL & 762' FEL (NE/4)

SECTION 06 TOWNSHIP 34S RANGE 06E

COUNTY COWLEY STATE KANSAS

ELEVATIONS

KB 1136' GL 1128'

Measurements Are All From KB: 1136'

API 15-035-24723-00-00

CONTRACTOR DUKE DRILLING; RIG#2

SPUD 11/16/2020 COMP 11/26/2020

RTD 3955' (-2819) LTD 3513' (-2377)

ELECTRICAL SURVEYS

MIDWEST WL: DIL & CNL/CDL; & BHC-SONIC & MEL

CASING

SURFACE 8&5/8"x24#/FT set @+348' cmt'd w/200sx Class A+3%CaCl+2%gel; circ'd

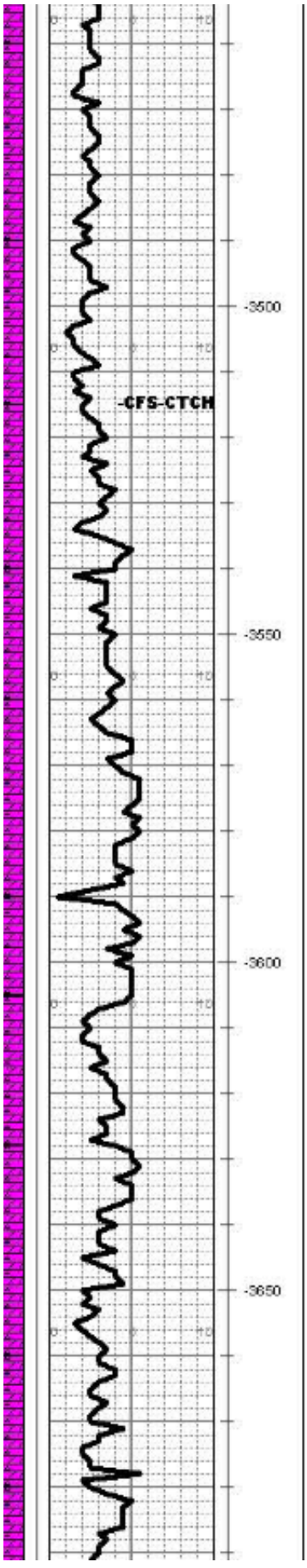
PRODUCTION 78jts New 5&1/2"x17#/ft (tally=3467.51) set@=3464'(E-Log) w/125sx.

FORMATION TOPS	LOG	SAMPLES	CHRONOLOGY
HEEBNER SH	1359' (-219)		11/16/2020; MIRU; Spud @+8:45pm
IATAN	1650' (-514)		11/17/20; Drlg 12&1/4" hole @ 270'
UPPER STALNAKER SS	1688' (-552)		Ran 8 Jts new 8&5/8" x 24# set @ 346.35' w/ 200sx Class A cmt + 3%CaCl & 2%gel; Plug Dwn @+12:00pm on 11/17/2020; Cement did circ; Dev.survey: 3/4deg.
UPPER LAYTON SS	2130' (-994)		
KANSAS CITY	2283' (-1147)		11/18/20; Drlg 7&7/8" hole @ 525'
DODDS CREEK SS	2295' (-1159)		
			11/19/20; Drlg @ 1795'
SWOPE LS	3378' (-1242)		
			11/20/20; Drlg @ 2444'
HERTHA LS	2433' (-1297)		
			11/21/20; Drlg @ 2830'
MARMATON	2534' (-1398)		
ALTAMONT PORO.	2552' (-1416)		11/22/20; TIH w/ bit @ 3083'
PAWNEE	2595' (-1459)		
FORT SCOTT	2634' (-1498)		11/23/20; Drlg @ 3247'
CHEROKEE	2671' (-1535)		11/24/20; E-Logging @ RTD:3515' & LTD:3513'
MISSISSIPPIAN	2929' (-1793)		11/25/20; Drlg @ 3765'
KINDERHOOK SH	3341' (-2205)	3346' (-2210)	11/26/20; Final RTD:3955' Cmtg 5&1/2" csg.
CHATT/WOODFORD SH	3386' (-2230)	3371' (-2235)	
ARBUCKLE	3399' (-2252)	3403' (-2267)	
TOTAL DEPTH FOR E-LOGS (LTD/RTD)	3513' (-2377)	3515' (-2379)	
FINAL TOTAL DEPTH (RTD)		3955' (-2819)	

REMARKS: ON 11/26/2020, RAN ~76 JOINTS OF 5&1/2" x 17#/FT CASING +~12' LANDING JT (TALLY=3487.51'). BASKET SHOE SET @~3484' (E-Log meas.) CEMENTED WITH 125 SX THICK SET CEMENT WITH 5# KOL-SEAL/SK, 2# PHENOSEAL/SK; DISPLACED PLUG WITH 80.7 BBLS; FINAL PUMPING PRESSURE ~700 PSI; BUMP PLUG TO ~1150 PSI; HELD; GOOD CIRCULATION @ ALL TIMES WHILT CEMENTING. PLUGGED RAT HOLE W/~25 SX CEMENT AA. JOB BY ELITE CEMENTING & ACID SERVICE, LLC. TICKET # 5348

REPECTFULLY SUBMITTED,
ROGER L MARTIN, GEOLOGIST & REP. @ WELL-SITE

POROSITY / DRILLING TIME MIN/FT / DST		SAMPLE DESCRIPTION	REMARKS	
	-3300	SH: bk-carb.		
		LS: gy-tn-wh, dn- microXln(ux) & Mdst & subchlky w/ pred Vpr-NVP w/ NS.		
		SH: V-gated; gy-bk, gn-gy, sm calc & Lmy.		
		sm argil-shly LS- Mdst.		
		LS: gy-tn-wh, dn- ux & Mdst, pred Vpr-NVP w/ NS.		
Kinderhook	-3350	{Kinderhook} SH: bk-carb, s m m-n-rd & gn-gy.	3346' (-2210) KINDERHOOK SH	
		sm calc & Lmy SH.		Mud-Co Report 11/23/20@12:45pm Dtlg @ 3352' Wt:9.5+ Vis:51 PV:14 YP:18 pH:9.5 WL:8.0 Cl: 1700 ppm Ca: 80 ppm Solids: 8.4% LCM: 6#/bbl
Chatt.		CHATT] SH: sharp incrs in bk-carb to V.carb.	3371' (2235) CHATT./ WOODFORD	
		SH: bk-carb-V.carb; sm calc & sm dolomo.		
	-3400	SH:AA; Tro Gd Clust: gy, tn-md-Grd, pr-Fr Poro; Tro dd.Stn.	3403' (-2267) ARBUCKLE 3406' (-2270) ARB.Porosity (SI-FrSFO)	
ARB. -CFS-20-40-60'		ARB] DOLO: om-bf, gy-tn, ux-fnXln- sm dn; Rare(Rr) tn-md/Xln w/ Fr-Gd-Poro: IXP & Vug.Poro; Vrr (~5%) w/ SI-Fr SFO-FLR-STN-Cut; VSI Odor; VSI Cherty.		
		DOLO: AA; Rr Fr-Gd-Poro; Tro SFO-FLR-STN-Cut; >95% Barren; SI Cherty.		
		DOLO: om-tn-gy, ux-fnXln, Vrr prt mcXln; Vrr Fr-Gd-Poro w/ NSO; pred pr-Poro to No Visbl Porosity (NVP).		
	-3450			



DOLO: gy-tn-om, uvfnXln, Rr prt mdXln; Vrr Crs-V.Crs 2nd ReX; Rr Fr-Gd-Visbl & aprnt Poro w/ NSO; Abndt dn to pr Visbl Poro w/ NS; Sl Cherty: om- transl, blu-gy & wh, opaq, sharp, Vrr oolo-Chert.

DOLO: AA; Vrr Fr-Gd-Poro; vug & InterXln(IXP) Poro; w/ NS.

DOLO: AA; pred uvfnXln, Vrr prt md-CrsXln, Vrr Fr-Gd-Poro; pred Vpr-pr Visbl-Poro; NS.

DOLO: tn-gy-om, uvfnXln, Rr prt mdXln, pred Vpr-pr Visbl-Poro; Vrr Fr-Gd-Poro: vug, pp, IXP; NS.

DOLO: AA; & gy, uvfnXln- dn- pr Visbl Poro; sm argil; NSO.

DOLO: dk-Lt-gy-tn-om, sm mottld, uvfnXln, Rr prt mdXln; Rr Fr-Gd-Poro: NSO; Pred Vpr-pr Visbl-Poro; NSO; sm aprnt Fracs- 2nd ReX; NSO.

DOLO: AA; sm argil.

sm DOLO: tn-gy-om, fn-mdXln w/ Fr-Gd-Poro w/ NSO; Abndt uvfnXln Dolo w/ Vpr-pr Visbl Poro w/ NS.

DOLO: dk-Lt-Tn-gy-om, pred uvfnXln- dn w/ Vpr-pr Visbl Poro; Vrr Fr-Gd Poro: vug & IXP & 2nd ReX w/ NSO; Sl Cherty: sm Qtzo.Chert.

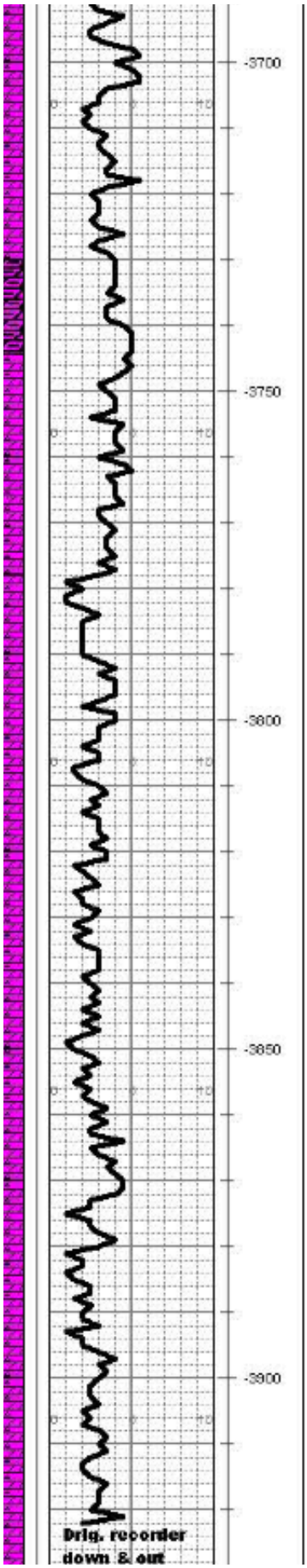
DOLO: AA; incrs fn-mdXln w/ Vrr Crs-V.Crs 2nd ReX-aprnt Fr-Gd vug Poro & Fracs w/ NSO; Rr Fr-Gd- Visbl Poro: vug & IXP w/ NS; Sl Cherty.

DOLO: AA; Rr Fr-Gd-Visbl-Poro & aprnt Poro w/ NSO.

DOLO: AA; abndt dn- pr-Visbl-Poro w/ NS; Sl Cherty; Rr Fr-Gd Visbl & aprnt Poro: IXP & vug Poro & aprnt Fracs w/ NSO.

LTD: 3513'(-2377)
RTD:3515'(-2379)
(RTD for E-Logs)

Mud-Co Report
11/24/20@12:30pm
Dtlg @ 3515'
Wt:9.3+ Vis:66
PV:20 YP:25
pH:10.0 WL:8.0
Cl: 1300 ppm
Ca: 80 ppm
Solids: 7.6%
LCM: 6#/bbl



-3700

DOLO: dk-Lt-gy-brn-tn-om, ux--mdXln- Rr Fr-Gd-IXP & vug Poro & 2nd ReX- aprnt Frac & vug Poro w/ NSO; Sl Cherty; Abndt dn Dolo w/ pr-NVP; NSO; sm argil Dolo.

DOLO: bf-tn-gy, ux-fnXln, Vrr Fr Visbl Poro; Tre Gd Visbl Poro; pred dn to pr Visbl Poro; NSO; Sl Cherty.

-3750

DOLO: om-tn-gy, ux-fnXln, pred pr-Vpr Visbl Poro; NSO; Sl Cherty.

DOLO: gy-tn-om, ux-mdXln- sm 2nd ReX, Rr Fr-Gd Visbl Poro: IXP & vug Poro & sm aprnt Frac's; NSO; Sl Cherty.

Abndt DOLO: tn-gy-om, ux-fnXln w/ pred pr-Vpr Visbl Poro; Rr Fr-Gd IXP & vug Poro; sm sucro w/ Fr IXP; NSO.

-3800

Mud-Co Report
11/25/20 @ 9:50a
Dtlg @ 3811'
Wt:9.5 **Vis:**52
PV:16 **YP:**16
pH:10.0 WL:8.8
Cl: 1000 ppm
Ca: 80 ppm
Solids: 8.5%
LCM: 10#/bbl
ECD:10.00 #/gal

DOLO: gy-tn-om, ux-fnXln, abndt pr-Vpr Visbl Poro to NVP; Rare(Rr) Fr-Gd-Visbl-Poro: IXP & vug w/ NS; Sl Cherty.

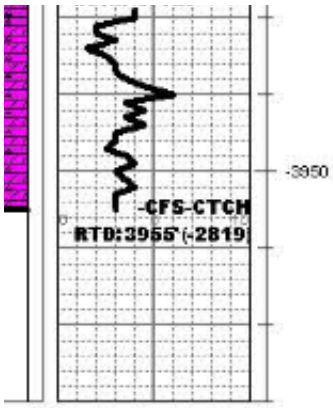
-3850

DOLO: dk-Lt-gy-brn-om, ux-fnXln, w/ sm md-CrsXls- 2nd ReX- incrs Fr-Gd aprnt Poro- vug & Frac's; NSO; Sl Cherty.

DOLO: AA; incrs prt mdXln-CrsXln- incrs 2nd ReX- incrs aprnt & Fr-Gd Visbl Poro w/ NSO; Sl Cherty.

-3900

DOLO: gy-tn-om, ux-mdXln, Rr prt Crs-V.CrsXln - 2nd ReX; sm Fr-Gd-Visbl & aprnt Poro: IXP & Vug & aprnt Frac Poro; NSO; Sl Cherty.



DOLO: dk-Lt gy, tn-crm, uc-md/Xln, R-pt Crs-V.Crs Xln-sm 2nd ReX- sprnt Fr-Gd Vug & IXP & Frac.Pore & sm Fr-Gd Vis-bl Vug & IXP; NSO; CHERTY: crm-bf-gy, & blu-gy, pred sharp fresh; NS.

FINAL RTD:3955'(-2819)

Raney Oil Co.LLC & RA Energy LLC
Jones MOAD#1SWD
707'FNL&762'FEL Sec:6-T34s-R6E
Cabin Valley Field; Cowley, KS
API#15-035-24723-00-00