

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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Form	ACO1 - Well Completion
Operator	Raney Oil Company, LLC
Well Name	BLACK 2
Doc ID	1723091

All Electric Logs Run

DIL
MEL
PE
SON

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



Cement or Acid Field Report
 Ticket No. **7053**
 Foreman David Gardner
 Camp Eureka

API# 15-035-24778

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State	
2-27-23	1375	Black #2	23	34S.	5E.	Cowley	KS	
Customer <u>RA Energy, LLC</u>			Unit #		Driver		Unit #	Driver
Mailing Address <u>11615 Rosewood St., Ste. 100</u>			111		Shannon			
City <u>Leawood</u>			110		Broker			
State <u>KS</u>								
Zip Code <u>66211</u>								

Job Type <u>Surface</u>	Hole Depth <u>230' K.B.</u>	Slurry Vol. <u>39 Bbl</u>	Tubing _____
Casing Depth <u>210' G.L.</u>	Hole Size <u>12 1/4"</u>	Slurry Wt. <u>15*</u>	Drill Pipe _____
Casing Size & Wt. <u>8 5/8" 23*</u>	Cement Left in Casing <u>15' +/-</u>	Water Gal/SK _____	Other _____
Displacement <u>13 1/4 Bbl</u>	Displacement PSI _____	Bump Plug to _____	BPM _____

Remarks: Safety Meeting: Rig up to 8 5/8" casing. Break circulation w/ 10 Bbl fresh water. Mixed 150 SKS Class A Cement w/ 3% Calcz, 2% Gel, 1/4" Floseal/sk @ 15#/gal, yield 1.46 = 39 Bbl slurry. Displace w/ 13 1/4 Bbl fresh water. Shut down. Close casing in. Good cement returns to surface = 13 Bbl slurry to pit. Job complete. Rig down.

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C101	1	Pump Charge	950.00	950.00
C107	80	Mileage	5.00	400.00
C200	150 SKS	Class A Cement	18.55	2782.50
C205	425*	Calcz 3%	.75	318.75
C206	280*	Gel 2%	.30	84.00
C209	37*	Floseal 1/4"/sk	2.80	103.60
C108B	7.05 Tons	Ton Mileage - 80 Miles	1.50	846.00
<u>Thank You</u>			Sub Total	5,484.85
			Less 5%	284.93
			Sales Tax <u>6.5%</u>	213.77
Authorization <u>by Charlie Coulter</u>			Title <u>Lighthouse Dring. - Tool Pusher</u>	Total <u>5,413.69</u>

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



Cement or Acid Field Report
 Ticket No. **7077**
 Foreman Kevin McCoy
 Camp EUREKA

API # 15-035-24778

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State	
3-5-23	1375	BLACK # 2	23	34S	SE	Cowley	Ks	
Customer	Mailing Address	City	State	Zip Code	Unit #	Driver	Unit #	Driver
RA Energy, LLC	11615 Rosewood St. Ste. 100	Leawood	Ks	66211	104	ALAN M.		
					110	BROKER W.		
					112	SHANNON F.		

Job Type <u>Longstring</u>	Hole Depth <u>3500' K.B.</u>	Slurry Vol. <u>14 BBL LEAD 50 BBL TAIL</u>	Tubing _____
Casing Depth <u>3488.16' G.L.</u>	Hole Size <u>7 7/8"</u>	Slurry Wt. <u>13.3 - 13.8 *</u>	Drill Pipe _____
Casing Size & Wt. <u>5 1/2" 15.50 #</u>	Cement Left in Casing <u>42.02'</u>	Water Gal/SK _____	Other _____
Displacement <u>84 BBL</u>	Displacement PSI <u>1600</u>	Bump Plug to <u>2100 PSI</u>	BPM _____

Remarks: SAFETY MEETING: 5 1/2" 15.50 # CASING SET @ 3488.16' G.L. CIRCULATE w/ MUD PUMP FOR 1 HR. RIG UP TO 5 1/2" CASING. BREAK CIRCULATION w/ 8 BBL FRESH WATER. MIXED 50 SKS 60/40 POZMIX CEMENT w/ 6% GEL 2 # PHENOSEAL /SK @ 13.3 #/GAL, YIELD 1.58 = 14 BBL SLURRY. TAIL IN w/ 150 SKS THICK SET CEMENT w/ 5 # KOLSEAL /SK, 1 # PHENOSEAL /SK @ 13.8 #/GAL, YIELD 1.87 = 50 BBL SLURRY. WASH OUT PUMP & LINES, SHUT DOWN. RELEASE LATCH DOWN PLUG. DISPLACE PLUG TO SEAT w/ 84 BBL FRESH WATER. (KCL w/ FIRST 40 BBL) FINAL PUMPING PRESSURE 1600 PSI. BUMP PLUG TO 2100 PSI. WAIT 2 MINS. RELEASE PRESSURE. FLOAT & PLUG HELD. GOOD CIRCULATION @ ALL TIMES WHILE CEMENTING. JOB COMPLETE. RIG DOWN.

SET @ ~ 3499' K.B

PLUG R.H. w/ 20 SKS M.H. w/ 15 SKS
CENTRALIZERS ON # 2, 4, 6, 8, 11, 19, 24, 28 BASKETS ON TOP OF # 9, 19

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C 102W	1	Pump Charge	1495.00	1495.00
C 107	80	Mileage	5.00	400.00
C 203	85 SKS	60/40 Pozmix Cement	15.75	1338.75
C 206	440 #	Gel 6%	.30 #	132.00
C 208	170 #	PhenoSeal 2 #/SK	1.55 #	263.50
C 201	150 SKS	THICK SET CEMENT	24.25	3637.50
C 207	750 #	KOLSEAL 5 #/SK	.56 #	420.00
C 208	150 #	PhenoSeal 1 #/SK	1.55	232.50
C 211	50 #	CFL-115 1/3%	12.95	647.50
C 108 B	11.91 Tons	Ton Mileage	1.50	1429.20
C 691	1	5 1/2 Guide Shoe	207.00	207.00
C 674	1	5 1/2 AFU Float Collar w/ Latch down insert	423.00	423.00
C 604	2	5 1/2 Cement BASKETS	278.00	556.00
C 504	8	5 1/2 x 7 7/8 CENTRALIZERS	59.00	472.00
C 421	1	5 1/2 Latch Down Plug	285.00	285.00
C 222	2 gals	KCL (IN FIRST 40 BBL Displacement water)	32.00	64.00
			Sub Total	12,002.95
			Less 5%	628.35
			Sales Tax	564.12
			Total	11,938.72

Authorization [Signature] Title Geo.

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.



Conservation Division
266 N. Main St., Ste. 220
Wichita, KS 67202-1513

Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Susan K. Duffy, Chair
Dwight D. Keen, Commissioner
Andrew J. French, Commissioner

Laura Kelly, Governor

July 27, 2023

Tom Raney
Raney Oil Company, LLC
4665 BAUER BROOK CT.
LAWRENCE, KS 66049-9013

Re: ACO-1
API 15-035-24778-00-00
BLACK 2
NW/4 Sec.23-34S-05E
Cowley County, Kansas

Dear Tom Raney:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 02/27/2023 and the ACO-1 was received on July 24, 2023 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

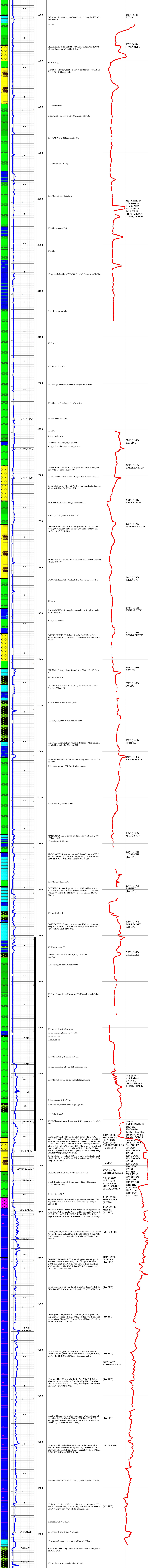
Production Department

GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

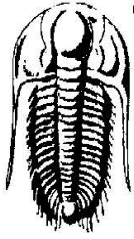
COMPANY RA ENERGY, LLC/ RANEY OIL COMPANY, LLC LEASE BLACK 2 FIELD RAHN LOCATION 582 nd FNL & 1701 st FWL SECTION 23 TOWNSHIP 34S RANGE 05E COUNTY COWLEY STATE KANSAS		ELEVATIONS KB 1177' GL 1165' Measurements Are All From KB API # 15-035-24778-00-00	
CONTRACTOR LIGHTHOUSE DRILLING SPUD 02/27/2023 COMP 03/05/2023 RTD 3500' (-2323) LTD 3500' (-2323) ELE DIL, CDU/CN/PE, SON/MEI		CASING SURFACE 8.83" wt @ 224' w/ 150 sbs Class A, 2% CC, 2% Gel, 1.04# Flt/Solubk PRODUCTION 5 1/2" wt @ 3498.10' KB w/150 ss ThickSet	

FORMATION TOPS	LOG	SAMPLES	CHRONOLOGY
IATAN	1801' (-624)	1801' (-624)	
STALNAKER	1833' (-658)	1833' (-656)	02/24/2023-MRU Lighthouse Drilling.
LANSING	2263' (-1086)	2263' (-1086)	02/27/2023-SPUD 12 1/4" hole @ 11 AM.
UPPER LAYTON	2290' (-1113)	2290' (-1113)	Run 8.58" surface casing, set @ 224' KB.
LOWER LAYTON	2437' (-1150)	2434' (-1177)	Eller Consulting Fisher 7.7053 - 150 sbs
BASE LOWER LAYTON	2413' (-1236)	2412' (-1235)	Class A, 2% CC, 2% Gel, 1.04#k Flt/Solubk,
DODDS CREEK	2449' (-1253)	2448' (-1250)	Plug down 7.75M.
DENNIS	2510' (-1333)	2510' (-1333)	02/28/2023-Drilling @ 525' @ 7 AM.
SWOPE	2527' (-1350)	2527' (-1350)	SHS @ 718' = 3.2 degree.
HERTHA	2589' (-1412)	2589' (-1412)	SHS @ 1285' = 3.4 degree.
BASE KANSAS CITY	2607' (-1429)	2607' (-1429)	SHS @ 1730' = 1 degree.
MARMATON	2690' (-1513)	2690' (-1513)	03/01/2023-Drig @ 1921' @ 7 AM.
ALTAMONT	2710' (-1533)	2710' (-1533)	SHS @ 2271' = 3.4 degree.
PAWNEE	2747' (-1570)	2747' (-1570)	03/02/2023-Drig @ 2881' @ 7 AM.
FORT SCOTT	2786' (-1609)	2786' (-1609)	DST #1- Bartlesville Sand.
CHEROKEE	2819' (-1642)	2819' (-1642)	03/03/2023-TH @ 3034' @ 7 AM.
BARTLESVILLE SILTY SS	3019' (-1842)	3019' (-1842)	03/04/2023-CTCHI @ RTD 3500' @ 7 AM.
BARTLESVILLE RESERVOIR SS	3025' (-1848)	3025' (-1848)	Run E-log
BBW RESERVOIR SS	3055' (-1878)	3056' (-1879)	
MISSISSIPPIAN CHEST	3088' (-1909)	3088' (-1908)	03/05/2023-Run 5 1/2" Production casing.
MISSISSIPPIAN LIMESTONE	3095' (-1916)	3095' (-1916)	Plug down @ 12:53 PM. Release Rig 1:51 PM.
COWLEY FACIES	3150' (-1973)	3150' (-1973)	
KINDERHOOK	3463' (-2287)	3464' (-2287)	
RTD/LTD	3500' (-2323)	3500' (-2323)	

REMARKS:
 BLUE CEMENTING & ACID SERVICE, LLC. Ticket #7977:
 Safety meeting @ 12:15. Casing @ 1.3486 in. Circulate w/ mud pump for 1 hr.
 Rig up to 5 1/2" casing. Break circulation w/ 8 bbl fresh water. Mixed 50/50 66.00 Pozum Cement
 w/3% Gel, 2# Phenomalsk @ 13.38 gpm, 2x18 1/8" - 14 bbl slurry. 3 rd in w/ 150 sbs ThickSet
 Cement w/ 6# Kidothok. IP Pressure @ 13.80 gpm, 2x18 1/8" - 14 bbl slurry. Wash
 out pump & lines, shut down. Release latch down plug. Displace plug to seat w/ 84 bbl
 fresh water (KCl w/ first 40 bbl). Final pumping pressure 100 psig. Bump plug to 2100 psi.
 Wait 2 mins. Release pressure. Blast & plug back. Good circulation @ all times while
 cementing. Job complete, rig down.
 Plug Rathole w/ 20 sbs, Moussehole w/ 15 sbs.
 Centralizers on #2, #4, #6, #8, #11, #11.5, #24, #28. Baskets on top of #9, #15.
 Recommend perf. #025-3034' 2 or 3 spf.
 Respectfully submitted,
 Roger L. Martin, Geologist



REMARKS:
 RTD 3500'(-2323) wt 9.2, vis 50
 RA ENERGY, LLC/ PV 12, YP 15
 RANEY OIL pH 9.5, WL 8.8
 BLACK #2 CT 1500, LCM 9
 582ndFNL&1701stFWL
 Sec. 23-34S-05E
 COWLEY CO., KS
 15-035-24778



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Raney Oil Company, LLC

23/34/5

4665 Bauer Brook Ct.
Lawrence, KS 66049

Black #2

ATTN: Roger Martin

Job Ticket: 70592

DST#: 1

Test Start: 2023.03.02 @ 20:20:00

GENERAL INFORMATION:

Formation: **BV.SS**

Deviated: No Whipstock: 1185.00 ft (KB)

Time Tool Opened: 22:42:32

Time Test Ended: 05:45:47

Test Type: Conventional Bottom Hole (Initial)

Tester: Chris Hagman

Unit No: 69

Interval: **2802.00 ft (KB) To 3034.00 ft (KB) (TVD)**

Reference Elevations: 1185.00 ft (KB)

Total Depth: 3034.00 ft (KB) (TVD)

1174.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 6751

Outside

Press@RunDepth: 251.56 psig @ 2806.00 ft (KB)

Capacity: psig

Start Date: 2023.03.02

End Date:

2023.03.03

Last Calib.:

1899.12.30

Start Time: 20:20:00

End Time:

05:45:47

Time On Btm:

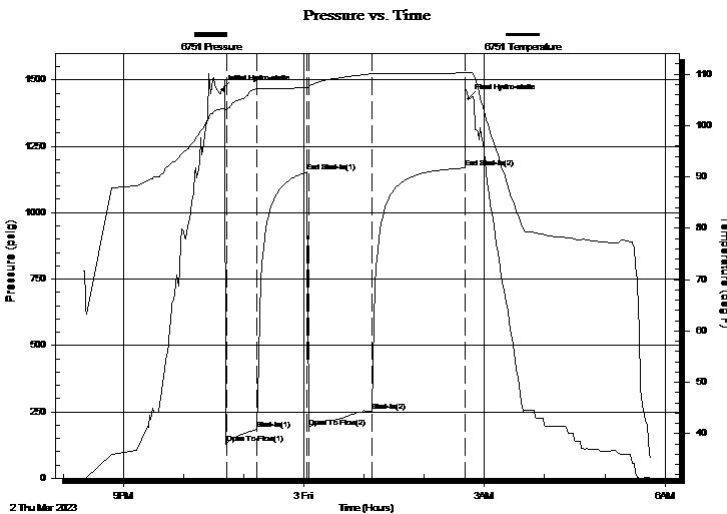
2023.03.02 @ 22:38:02

Time Off Btm:

2023.03.03 @ 02:44:02

TEST COMMENT: IF: 30 min., strong building blow, 10.4 inches
 IS: 45 min., no blow back
 FF: 60 min., BOB 55 min., strong building blow, 13.7 inches
 FS: 90 min., no blow back

PRESSURE SUMMARY



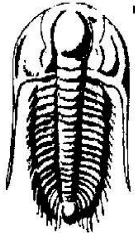
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1463.24	103.23	Initial Hydro-static
5	131.79	102.96	Open To Flow (1)
36	183.19	107.22	Shut-In(1)
85	1152.26	107.39	End Shut-In(1)
87	192.25	107.39	Open To Flow (2)
150	251.56	110.10	Shut-In(2)
243	1168.00	110.26	End Shut-In(2)
246	1428.43	110.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	gassy oily mud 10%G,15%O,75%M	0.59
120.00	gassy oily mud 10%G,10%O,80%M	0.59
60.00	gassy oily mud 50%G,10%O,40%M	0.30

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Raney Oil Company, LLC

23/34/5

4665 Bauer Brook Ct.
Lawrence, KS 66049

Black #2

Job Ticket: 70592

DST#: 1

ATTN: Roger Martin

Test Start: 2023.03.02 @ 20:20:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 43.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.00 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
120.00	gassy oily mud 10%G,15%O,75%M	0.590
120.00	gassy oily mud 10%G,10%O,80%M	0.590
60.00	gassy oily mud 50%G,10%O,40%M	0.295

Total Length: 300.00 ft Total Volume: 1.475 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Tool Sample= 5%G,15%O,trace W,80%M

Pressure vs. Time

