

1274821

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 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				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 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)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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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> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Indian Oil Co., Inc.
Well Name	Achenbach 40
Doc ID	1274821

All Electric Logs Run

Gamma Ray
Borehole Compensated Neutron
Photoelectric Lithology Density
X-Y Caliper Combined
Phased Induction Tool
Micro Log

Form	ACO1 - Well Completion
Operator	Indian Oil Co., Inc.
Well Name	Achenbach 40
Doc ID	1274821

Tops

Name	Top	Datum
Kansas City	4426	-2929
Stark	4605	-3108
Hushpuckney	4632	-3135
BKC	4682	-3185
Marmaton	4698	-3201
Pawnee	4778	-3281
Cherokee SH	4822	-3325
Cherokee Sand	4844	-3347
Mississippi	4867	-3370
Kinderhook	5230	-3733
Woodford SH	5291	-3794
Viola	5530	-3830

Cement Job Summary

Job Number: MLK150825070	Job Purpose: 01 Surface
Customer: INDIAN OIL CO	Date: 8/25/2015
Well Name: ACHENBACH	Number: #40
County: BARBER	City: VIC HARDTNER
Cust. Rep: ANTHONY FARRAR	State: KANSAS
Distance: 20 miles (one way)	Supervisor: Jake Heard

Employees:	Emp. ID:	Employees:	Emp. ID:
JAKE HEARD	#N/A		
JOE HALCOMB	0		
WAYNE RUCKER	#N/A		

Equipment:
CEMENTERS PICK-UP 717
PUMP TRUCK 892-555
BULK TRUCK 949-741

Materials - Pumping Schedule					
STAGE #1					
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Spacer 1	FRESH WATER	5	8.33	n/a	n/a
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Tail 1	CLASS A COMMON	225	14.90	1.33	6.20
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Disp. 1	Displacement	0	8.33	n/a	n/a

Slurry: Tail 1		Slurry Name: CLASS A COMMON					
Quantity:	225 sacks	Blend Vol:	237.57 cu.ft.	cu.ft.	Blend Weight:	21784.5 lbs	
Material	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM		
CCAC	CLASS A COMMON	94	% Base Material	21150.0	lbm		
CA-100	CALCIUM CHLORIDE, PELLETS OR FLAKE	2.82	% BWOC	634.5	lbm		
Water	Mixing Water	6.20	gal/sk	1395.0	gal		

Job Number: MLK150825070	Job Purpose: 01 Surface
Customer: INDIAN OIL CO	Date: 8/25/2015
Well Name: ACHENBACH	Number: #40
County: BARBER	City: VIC HARDTNER
Cust. Rep: ANTHONY FARRAR	State: KANSAS
Distance: 20 miles (one way)	Supervisor: Jake Heard
Rig Phone: 0	

DATE	TIME	PRESSURE - (PSI)		FLUID PUMPED DATA		COMMENTS
		CASING	ANNULUS	VOLUME	RATE (BPM)	
8/25/2015	7:00:00 AM					ARRIVE ON LOCATION
						SAFETY MEETING
	7:15:00 AM					SPOT IN / RIG UP
						WAIT ON RIG
						BREAK CIRCULATION
	9:40:00 AM	2000				PRESSURE TEST
		200		5	4	PUMP SPACER
		200		53.29	4	MIX AND PUMP CEMENT
		150		17.89	3	DISPLACE
						STOP
	10:10:00 AM					SHUT IN

Number:	MLK15083019	Job Purpose	02 Production/Long String
Customer:	Indian Oil Co	Date:	8/31/2015
Well Name:	Achenbaugh	Number:	#40
County:	Barber	City:	Hardtner, KS
Cust. Rep:	Anthony Farrar	State:	Kansas
Distance	20 miles (one way)	Phone:	
		Rig Phone:	
		Supervisor:	Jason Thimesch

Employee:	Emp ID	Employee:	Emp ID
Thimesch, Jason	0		
Bower, Justin	6		
Wayne Rucker	#N/A		

Equipment:	Emp ID
	673
892/555	
	603

Materials - Pumping Schedule

STAGE III

Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Spacer 1	HIVIS SWEEP	12	8.40	n/a	n/a
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Lead 1	ALLIED SPECIAL BLEND CEMENT - CLASS A	125	14.55	1.57	7.00
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Tail 1	ALLIED 40/60/4 POZ BLEND - CLASS A	50	13.89	1.40	6.70

Slurry: Lead 1		Slurry Name: ALLIED SPECIAL BLEND CEMENT - CLASS A				
Quantity:	125 sacks	Blend Vol:	164.9 cu.ft.	Blend Weight:	14070.75 lbs	
Material	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM	
CCAC	CLASS A COMMON	94	% Base Material	11750.0	lbm	
CA-200	SODIUM CHLORIDE	6	lb/sk	750.0	lbm	
CA-500	GYPSUM	5.17	% BWOC	646.3	lbm	
CGEL	GEL - BENTONITE	1.88	% BWOC	235.0	lbm	
CLC-KOL	KOL-SEAL	5	lb/sk	625.0	lbm	
CFL-210	FLUID LOSS ADDITIVE - LOW TEMP	0.376	% BWOC	47.0	lbm	
CDF-100P	DEFOAMER - POWDER	0.14	lb/sk	17.5	lbm	
Water	Mixing Water	7.00	gal/sk	875	gal	
Slurry: Tail 1		Slurry Name: ALLIED 40/60/4 POZ BLEND - CLASS A				
Quantity:	50 sacks	Blend Vol:	52.87 cu.ft.	Blend Weight:	4472 lbs	
Material	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM	
CCAC	CLASS A COMMON	56.4	% Base Material	2820.0	lbm	
CPOZ	POZMIX FLYASH	29.6	% Base Material	1480.0	lbm	
CGEL	GEL - BENTONITE	3.44	% BWOC	172.0	lbm	
Water	Mixing Water	6.70	gal/sk	335.0	gal	

Number:	MLK15083019	Job Purpose:	02 Production/Long String	Date:	8/31/2015	
Customer:	Indian Oil Co	Well Name:	Achenbaugh	Number:	#40	
API/UWI:		County:	Barber	City:	Hardtner, KS	
State:	Kansas	Cust. Rep:	Anthony Farrar	Phone:		
Rig Phone:		Distance:	20 miles (one way)	Supervisor:	Jason Thimesch	
DATE	TIME	PRESSURE - (PSI)		FLUID PUMPED DATA		COMMENTS
		CASING	ANNULUS	VOLUME	RATE (BPM)	
8/31/2015	7:30:00 PM					ARRIVE ON LOCATION
	7:45:00 PM					Run casing
	11:00:00 PM					Circ on Bottom
	12:05:00 AM	100		12.5	3	Plug RH/MH
	12:22:00 AM	175		12	4	Pump spacer
	12:27:00 AM	300		35	5	Pump Cement slurry
	12:40:00 AM					Shut down Drop Plug
	12:47:00 AM	150			6.5	Displace
		300		87	6	Lift
		650		110	3	Slow to Bump
	1:11:00 AM	1350		122	0	Bump Plug
						Release
						Float/Plug Held

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



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

Shari Feist Albrecht, Chair
Jay Scott Emler, Commissioner
Pat Apple, Commissioner

Sam Brownback, Governor

January 13, 2016

Anthony Farrar
Indian Oil Co., Inc.
PO BOX 209
2507 SE US 160 HWY
MEDICINE LODGE, KS 67104-0209

Re: ACO-1
API 15-007-24283-00-00
Achenbach 40
SW/4 Sec.01-35S-13W
Barber County, Kansas

Dear Anthony Farrar:

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 08/24/2015 and the ACO-1 was received on January 13, 2016 (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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Indian Oil Co
PO Box 209
Medicine Lodge, KS 67104
ATTN: Aaron Young

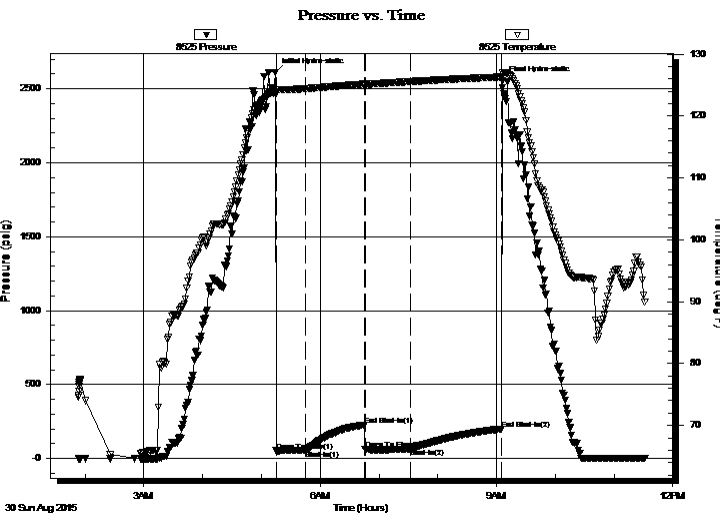
1-35S-13W Barber
Achenbach 40
Job Ticket: 57906 **DST#: 1**
Test Start: 2015.08.30 @ 01:53:18

GENERAL INFORMATION:

Formation: **Cherokee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:14:48
Time Test Ended: 11:31:33
Interval: 4837.00 ft (KB) To 4855.00 ft (KB) (TVD)
Total Depth: 5420.00 ft (KB) (TVD)
Hole Diameter: 7.97 inches Hole Condition: Good
Test Type: Conventional Straddle (Initial)
Tester: Leal Cason
Unit No: 74
Reference Elevations: 1497.00 ft (KB)
1485.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8525 Inside
Press @ Run Depth: 66.45 psig @ 4838.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.08.30 End Date: 2015.08.30 Last Calib.: 2015.08.30
Start Time: 01:53:19 End Time: 11:31:33 Time On Btm: 2015.08.30 @ 05:13:48
Time Off Btm: 2015.08.30 @ 09:05:48

TEST COMMENT: IF: Weak Blow , Built to 2 inches
IS: No Blow Back
FF: Weak 1/2 inch Blow
FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2609.24	123.98	Initial Hydro-static
1	51.17	123.66	Open To Flow (1)
32	57.94	124.41	Shut-In(1)
92	226.11	125.14	End Shut-In(1)
92	61.89	125.09	Open To Flow (2)
139	66.45	125.55	Shut-In(2)
232	199.41	126.30	End Shut-In(2)
232	2552.10	127.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	SGCM 10%G 90%M	0.32

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Indian Oil Co
PO Box 209
Medicine Lodge, KS 67104
ATTN: Aaron Young

1-35S-13W Barber
Achenbach 40
Job Ticket: 57906 **DST#: 1**
Test Start: 2015.08.30 @ 01:53:18

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: 64.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 0.02 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	SGCM 10%G 90%M	0.320

Total Length: 65.00 ft Total Volume: 0.320 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

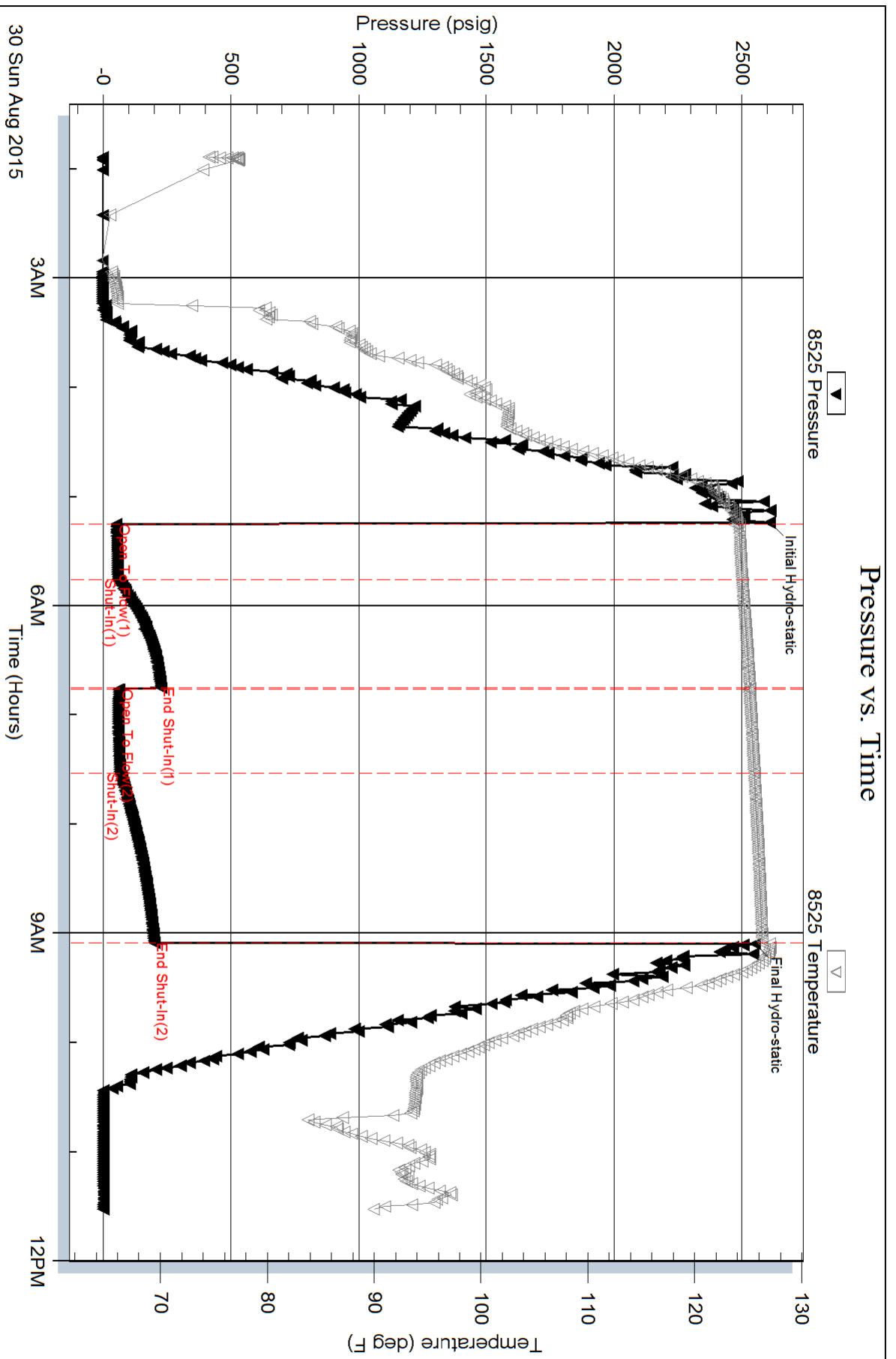
Serial #: 8525

Inside

Indian Oil Co

Achenbach 40

DST Test Number: 1



Serial #: 8358

Below (Stratthe) Oil Co

Achenbach 40

DST Test Number: 1

