Scale 1:240 Imperial

Well Name: TEEL #4

Surface Location: N2 SE SE NE 5-8S-24W

Bottom Location:

API: 15-165-23811-0000

License Number: 33813

Spud Date: 2/29/2012 Time: 3:34 PM

Region: GRAHAM

Drilling Completed: 3/6/2012 Time: 6:42 PM

Surface Coordinates: 2165 FNL & 330 FEL

Bottom Hole Coordinates:

Ground Elevation: 2369.00ft
K.B. Elevation: 2374.00ft

Logged Interval: 238.00ft To: 3868.00ft

Total Depth: 3870.00ft

Formation:

Drilling Fluid Type: FRESH WATER/CHEMICAL GEL

OPERATOR

Company: JASON OIL COMPANY, LLC

Address: P.O. BOX 701

RUSSELL, KS 67665

Contact Geologist: JIM SCHOENBERGER

Contact Phone Nbr: (785) 483-4204

Well Name: TEEL #4

Location: N2 SE SE NE 5-8S-24W API: 15-165-23811-0000
Pool: Field: NANA NORTHWEST

State: KANSAS Country: USA

SURFACE CO-ORDINATES

Well Type: Vertical

Longitude: -100.0136759 Latitude: 39.3869642

N/S Co-ord: 2165 FNL E/W Co-ord: 330 FEL

LOGGED BY



Company: SOLUTIONS CONSULTING

Address: 108 W 35TH

HAYS, KS 67601

Phone Nbr: (785) 259-3737

Logged By: Geologist Name: JEFF LAWLER

CONTRACTOR

Contractor: ROYAL DRILLING INC.

Rig #: 1

Rig Type: MUD ROTARY

 Spud Date:
 2/29/2012
 Time:
 3:34 PM

 TD Date:
 3/6/2012
 Time:
 6:42 PM

 Rig Release:
 3/7/2012
 Time:
 7:00 AM

ELEVATIONS

K.B. Elevation: 2374.00ft Ground Elevation: 2369.00ft

K.B. to Ground: 5.00ft

NOTES

NOTES

DUE TO ECONOMICAL RECOVERY ON DST #2 & #3 AND STRUCTURAL POSITION DECISION WAS MADE TO RUN 5 1/2" PRODUCTION CASING AND FURTHER EVALUATE ZONES WITH OIL SHOWS, LOG ANALYSIS, AND FAVORABLE DRILLSTEM TEST RESULTS.

RESPECTFULLY SUBMITTED, JEFF LAWLER

						WE	LL	CC	MC	PΑ	RISC	N SF	HEE	ĒΤ																	
						Р	&A					EOR	P&/	4					Ħ						•			_			
					IMPERIAL OIL OF KS GOFF#5				IMPERIAL OIL OF KS NANA NW LKC 304-W				IMPERIAL OIL OF KS GOFF C#1					JASON OIL TEEL #2													
	TEEL #4					NE SE N	VE 5-8	-24			-	NW SW	NW 4-	8-24				NW NW	SW 4	8-34											
	KB	2374	GL	2369	KB		23	391			KB		23	63			KB		2	373	_		KB		2	358	_				
	LOG			ETOPS		MPLTOPS	LC		SM			CARD/SMPLTOPS		.OG SMPL.			DATA SOURCE		_	OG		SMPL.		DATA SOURCE		LOG		SMPL.			
FORMATION	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	CO		CO			DATUM	CO	RR.	CO	RR.		DATUM	CC	RR.	CC	DRR.	DEPTH	DATUM	CC	DRR.					
ANHYDRITE TOP	2028	346	2027	347	2042	349	-	3	-	2	2010	353	-	7	-	6	2022	351	-	5	-	4	2022	336	+	10	+	11			
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HEEBNER SHALE	3595	-1221	3594	-1220	3612	-1221	+	0	+	1	3582	-1219	-	2	-	1	3612	-1239	+	18	+	19	3587	-1229	+	8	+	9			
TORONTO	3617	-1243	3620	-1246	3634	-1243	+	0		3	3605	-1242	•	1	-	4	3632	-1259	+	16	+	13	3609	-1251	+	8	+	5			
DOUGLAS										_				_		_					_	-			_		⊢	-			
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BKC	3826	-1452	3834	-1460	3854	-1463	+	11	+	3					-						⊢	\vdash	3827	-1469	+	17	+	9			
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LTD	3868	-1494																					3871	-1513	+	19					

DST #1 LKC "D,E"



DRILL STEM TEST REPORT

Jason Oil CO.

PO Box 701 teel #4

Russell Ks 67665 Job Ticket: 46032 **DST#:1**

5-8-24, Graham, Ks

ATTN: Jeff Lawler Test Start: 2012.03.04 @ 12:15:56

GENERAL INFORMATION:

Formation: KC"D,E"

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 14:08:26 Tester: Brett Dickinson

Time Test Ended: 18:29:56 Unit No:

Interval: 3669.00 ft (KB) To 3698.00 ft (KB) (TVD) Reference Elevations: 2374.00 ft (KB)

Total Depth: 3698.00 ft (KB) (TVD) 2369.00 ft (CF)

Hole Diameter: 7.88 inchesHole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 6753 Outside

Press@RunDepth: 21.24 psig @ 3670.00 ft (KB) Capacity: 8000.00 psig

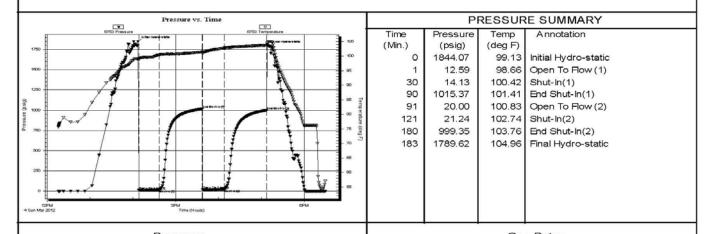
 Start Date:
 2012.03.04
 End Date:
 2012.03.04
 Last Calib.:
 2012.03.04

 Start Time:
 12:15:56
 End Time:
 18:29:56
 Time On Btm:
 2012.03.04 @ 14:07:26

Time Off Btm: 2012.03.04 @ 17:10:26

TEST COMMENT: IF-2.5in blow

ISI-No blow FF-1in blow FSI-No blow



Recovery Length (ft) Description Volume (bbl) 5.00 SOCM 20%O 80%M 0.07 10.00 VSGO 5%G 95%O 0.14

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

Trilobite Testing, Inc

Ref. No: 46032

Printed: 2012.03.04 @ 18:42:36

DST #2 LKC "F,G"



DRILL STEM TEST REPORT

Jason Oil CO. 5-8-24, Graham, Ks

teel #4

PO Box 701 Russell Ks 67665

Job Ticket: 46033

DST#: 2

ATTN: Jeff Lawler

Test Start: 2012.03.04 @ 23:35:50

GENERAL INFORMATION:

KC"F,G" Formation:

Deviated: No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Reset) Brett Dickinson

Time Tool Opened: 01:10:20 Time Test Ended: 05:55:20 Tester: Unit No:

3698.00 ft (KB) To 3708.00 ft (KB) (TVD)

Reference Bevations: 2374.00 ft (KB)

Total Depth:

3708.00 ft (KB) (TVD)

2369.00 ft (CF)

5.00 ft

Hole Diameter: 7.88 inchesHole Condition: Fair KB to GR/CF:

Serial #: 6753 Outside

Press@RunDepth:

142.57 psig @ 3699.00 ft (KB)

End Date:

2012.03.05 Last Calib.:

Capacity:

8000.00 psig 2012.03.05

Start Date: Start Time:

2012.03.04 23:35:55

End Time:

05:55:19

Time On Btm:

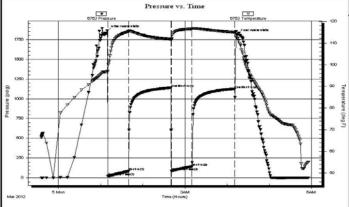
2012.03.05 @ 01:09:20

Time Off Btm:

2012.03.05 @ 04:14:20

TEST COMMENT: IF-BOB in 16min

ISI-No blow FF-BOB in 24min FSI-No blow



			PI	RESSUR	RESUMMARY
120	-1	Time	Pressure	Temp	Annotation
	- 1	(Min.)	(psig)	(deg F)	
110	- 1	0	1859.05	97.01	Initial Hydro-static
	- 1	1	19.71	96.95	Open To Flow (1)
100	- 1	31	83.66	115.26	Shut-In(1)
90	į.	91	1139.15	111.73	End Shut-In(1)
	9000	92	87.18	111.38	Open To Flow (2)
00	ature	121	142.57	116.47	Shut-In(2)
	Temperature (deg F)	182	1126.32	114.91	End Shut-In(2)
70	9	185	1812.80	112.19	Final Hydro-static
60					
50					
	١				

Recovery Length (ft) Description 274.00 Water 3.84 1.00 Free Oil 0.01 Recovery from multiple tests

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

Trilobite Testing, Inc

Ref. No: 46033

Printed: 2012.03.05 @ 06:21:30

DST #3 LKC "J,K,L"



DRILL STEM TEST REPORT

Jason Oil CO. 5-8-24, Graham, Ks

PO Box 701 teel #4

Russell Ks 67665 Job Ticket: 46034 DST#: 3 ATTN: Jeff Lawler Test Start: 2012.03.05 @ 19:20:38

Unit No:

Reference Bevations:

2374.00 ft (KB)

GENERAL INFORMATION:

KC"I-L" Formation:

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)

Time Tool Opened: 21:36:08 Brett Dickinson Tester:

Time Test Ended: 02:58:08

Interval: 3785.00 ft (KB) To 3834.00 ft (KB) (TVD)

Total Depth: 3834.00 ft (KB) (TVD) 2369.00 ft (CF)

Hole Diameter: 7.88 inchesHole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 6753 Outside

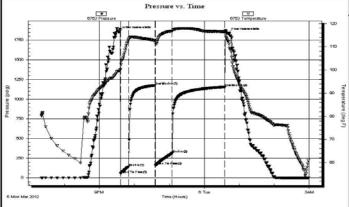
Press@RunDepth: 311.02 psig @ 3786.00 ft (KB) Capacity: 8000.00 psig Start Date: 2012.03.05 End Date: 2012.03.06 Last Calib : 2012.03.06

Start Time: 19:20:38 End Time: 02:58:08 Time On Btm: 2012.03.05 @ 21:33:38

Time Off Btm: 2012.03.06 @ 00:40:38

TEST COMMENT: IF-BOB in 2min

ISI-BOB in 27min FF-BOB in 3min FSI-BOB in 75min



		PI	RESSUF	RESUMMARY	
1	Time	Pressure	Temp	Annotation	
	(Min.)	(psig)	(deg F)		
	0	1852.48	99.53	Initial Hydro-static	
	3	53.34	100.18	Open To Flow (1)	
	17	142.04	112.99	Shut-In(1)	
	62	1175.75	112.78	End Shut-In(1)	
	63	161.34	112.17	Open To Flow (2)	
	91	311.02	116.77	Shut-In(2)	
1	182	1156.65	116.40	End Shut-In(2)	
1	187	1837.77	112.42	Final Hydro-static	

Recovery Volume (bbl) Length (ft) Description 60.00 GSWOCM 20%G 15%O 10%W 55%M 0.84 60.00 GMCO 20%G 65%O 15%M 0.84 590.00 GO 30%G 70%O 8.28 0.00 1540ft GIP 0.00 Recovery from multiple tests

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

Ref. No: 46034 Printed: 2012.03.06 @ 03:13:30 Trilobite Testing, Inc

ROCK TYPES



Lmst fw<7 Lmst fw7>



shale, grn shale, gry Carbon Sh



shale, red Shcol Ss



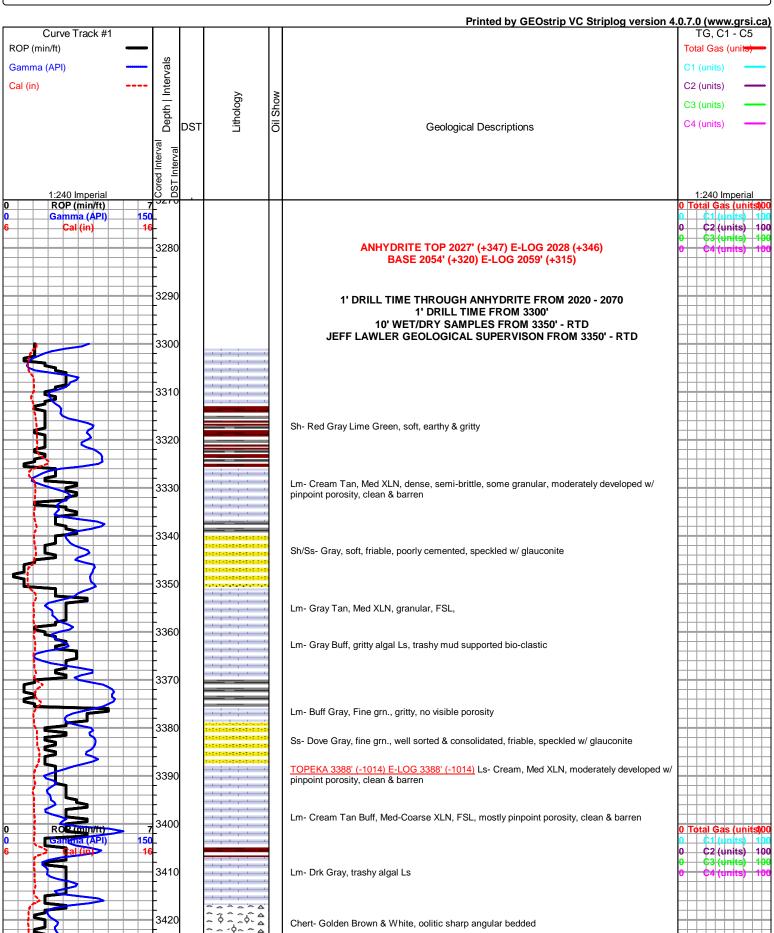
ACCESSORIES

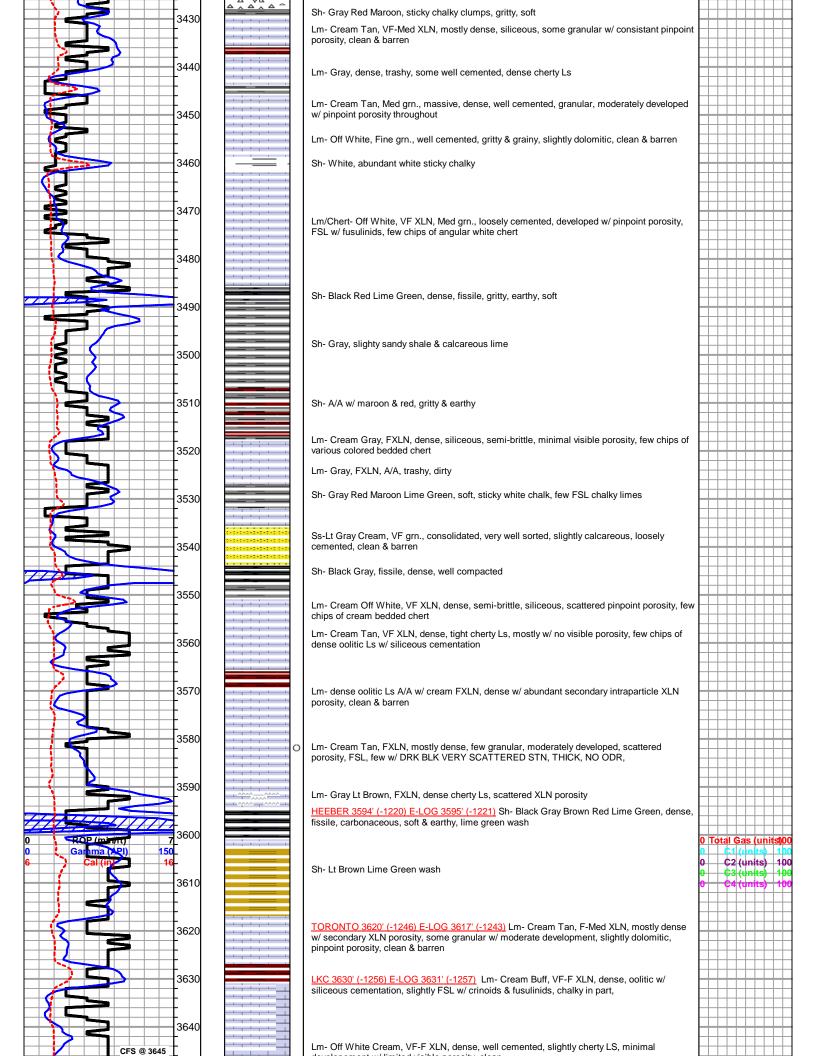
FOSSIL STRINGER Oolite

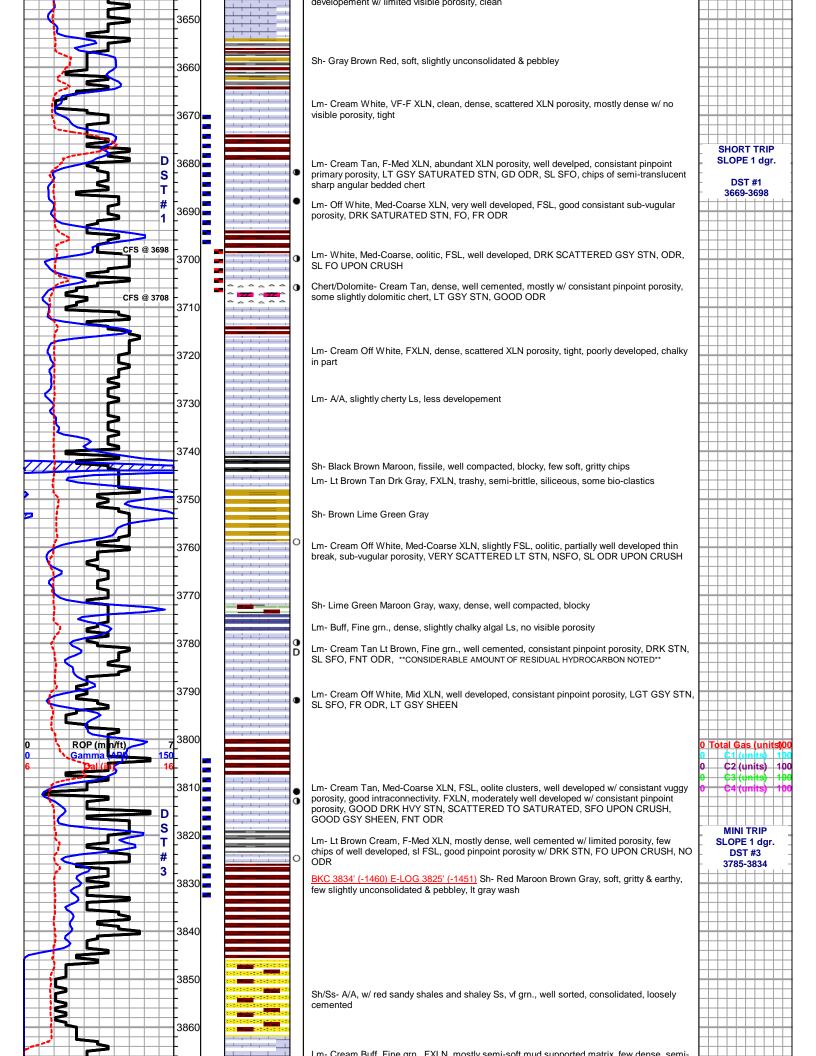
^ Chert Dolomite red shale

OTHER SYMBOLS









				3870		brittle XLN w/ limited visible porosity, clean & barren	
				3070 - - -		RTD 3870' (-1496) LTD 3868' (-1494)@ 06:42 3/6/2012	