OPERATOR

Company: AARON OIL

Address: 1409 WASHINGTON CIRCLE

HAYS, KANSAS 67601

Contact Geologist: STEVE STEWART Contact Phone Nbr: 785-628-8177

Well Name: BIEKER #1-25

Location: SE NE NE Sec.25-15s-19w API: 15-051-26,437-00-00

Pool: WILDCAT Field: UNNAMED State: KANSAS Country: USA

Scale 1:240 Imperial

Well Name: BIEKER #1-25

Surface Location: SE NE NE Sec.25-15s-19w

Bottom Location:

API: 15-051-26,437-00-00

License Number: 31828

Spud Date: 11/30/2012 Time: 2:15 PM

Region: ELLIS COUNTY

Drilling Completed: 12/6/2012 Time: 7:32 AM Surface Coordinates: 980' FNL & 330' FEL

Bottom Hole Coordinates:

Ground Elevation: 1970.00ft K.B. Elevation: 1978.00ft

Logged Interval: 2800.00ft To: 3700.00ft

Total Depth: 3700.00ft

Formation: LANSING-KANSAS CITY

Drilling Fluid Type: CHEMICAL/FRESH WATER GEL

SURFACE CO-ORDINATES

Well Type: Vertical

Longitude: Latitude:

N/S Co-ord: 980' FNL E/W Co-ord: 330' FEL

LOGGED BY



Company: SOLUTIONS CONSULTING

Address: 108 W 35TH

HAYS, KS 67601

Phone Nbr: (785) 639-1337

Logged By: Geologist Name: HERB DEINES

CONTRACTOR

Contractor: DISCOVERY DRILLING INC.

Rig #: 4

Rig Type: MUD ROTARY

 Spud Date:
 11/30/2012
 Time:
 2:15 PM

 TD Date:
 12/6/2012
 Time:
 7:32 AM

 Rig Release:
 12/7/2012
 Time:
 3:00 AM

ELEVATIONS

K.B. Elevation: 1978.00ft Ground Elevation: 1970.00ft

K.B. to Ground: 8.00ft

NOTES

RECOMMENDATION TO RUN PRODUCTION CASING BASED ON POSITIVE RESULTS OF DST # 1 AND NUMEROUS ZONES WITH HYDROCARBON POTENTIAL AS EVIDENCED BY SCATTERED LITE STAINING AND LITE ODOR.

OPEN HOLE LOGGING BY PIONEER ENERGY SERVICES: DUAL INDUCTION LOG, DUAL COMPENSATED POROSITY LOG, MICRORESISTIVITY LOG, BOREHOLE COMPENSATED SONIC LOG

DRILL STEM TESTING BY TRILOBITE TESTING INC: ONE (1) CONVENTIONAL TEST

FORMATION TOPS SUMMARY AND CHRONOLOGY OF DAILY ACTIVITY

BIEKER # 1-25 980' FNL & 330' FEL, NE/4 Sec.25-15s-19w 1970' GL 1978' KB

FORMATION	SAMPLE TOPS	LOG TOPS
Anhydrite		1155+823
B-Anhydrite		1188+ 790
Topeka	2943- 965	2942- 964
Heebner Shale	3221-1243	3223-1245
Toronto	3241-1263	3242-1264
LKC	3265-1287	3270-1292
ВКС		3511-1533
Marmaton		3556-1578
Arbuckle		3603-1625
RTD	3700-1722	
LTD		3704-1726

CHRONOLOGY OF DAILY ACTIVITY

11-30-12	RU, spud
12-01-12	drilling surface hole
12-02-12	1155', set 8 5/8" surface casing to 1155' w/ 425 sxs Common, 2%
	gel, 3%CC, plug down 8:30AM, WOC 12 hours
12-03-12	1930', drilling
12-04-12	2795', drilling, displace 2848-2900
12-05-12	3300', short trip, CCH, DST # 1 3248' to 3300' "A – C" LKC
12-06-12	3684', RTD @ 3700' at 7:32AM, CCH, mini short trip, CCH 1 $\frac{1}{2}$ hrs,
	out for loss TIMP CCH 1 by low down drill nine and run easing

out for logs, 1188b, cert i iii, lay down driii pipe and fun casing

12-07-12 3700', finish running production casing, cement bottom stage, RD

DST # 1 TEST SUMMARY "A-C" LKC



DRILL STEM TEST REPORT

Aaron Oil Co

Bieker 1-25

1409 Washington Cir. Hays KS 67601

Job Ticket: 51535

25 15s 19w Ellis

Test Start: 2012.12.05 @ 04:15:00

Test Type: Conventional Bottom Hole (Initial)

DST#: 1

GENERAL INFORMATION:

LKC " A - C " Formation:

Whipstock 1978.00 ft (KB) Deviated: No

Time Tool Opened: 06:05:30 Tester: Jim Svaty Unit No: Time Test Ended: 10:25:00

3248.00 ft (KB) To 3300.00 ft (KB) (TVD) Interval: Reference Bevations:

1978.00 ft (KB) Total Depth: 3300.00 ft (KB) (TVD) 1970.00 ft (CF)

Hole Diameter: 7.88 inchesHole Condition: Fair KB to GR/CF: 8.00 ft

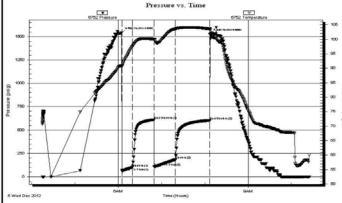
Serial #: 6752 Inside

181.93 psig @ 8000.00 psig Press@RunDepth: 3263.00 ft (KB) Capacity: Start Date: 2012.12.05 End Date: 2012.12.05 Last Calib.: 2012.12.05 Start Time: 04:15:01 End Time: 10:25:00 Time On Btm: 2012.12.05 @ 06:04:40 Time Off Btm: 2012.12.05 @ 08:07:10

TEST COMMENT: 15-IFP- BOB in 2 1/2min.

30-ISIP- Surface Blow Building to 3 1/2in.

30-FFP- BOB in 30sec. 45-FSIP- BOB in 2 1/2min.

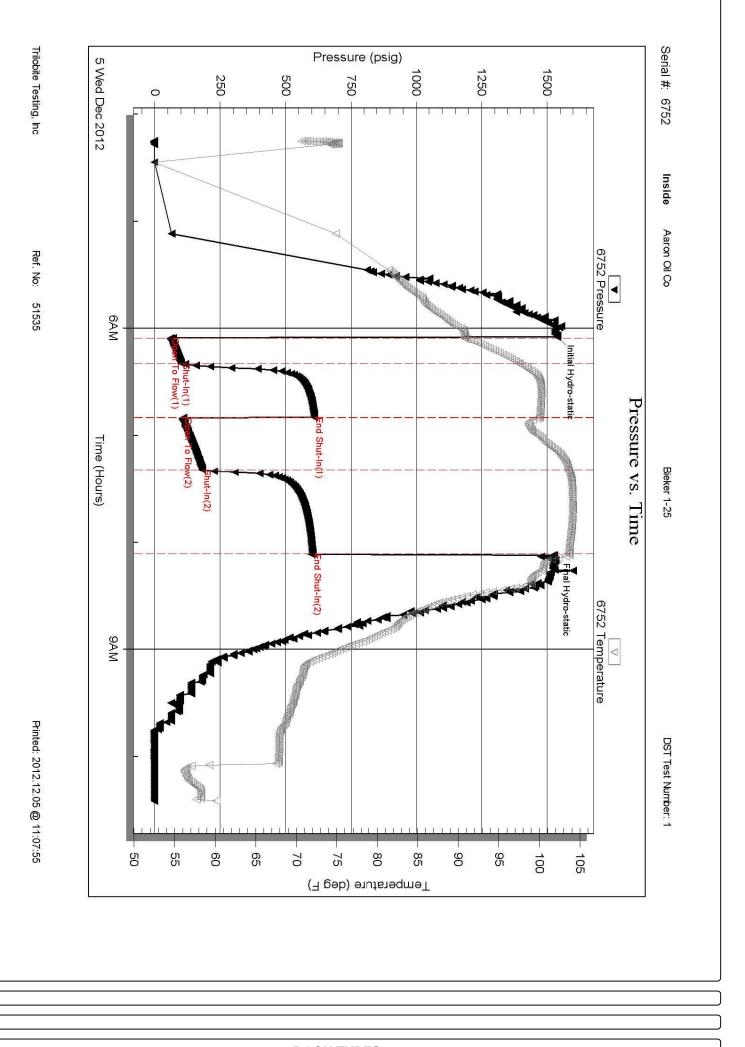


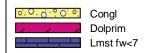
	PRESSURE SUMMARY				
105	Time	Pressure	Temp	Annotation	
	(Min.)	(psig)	(deg F)		
100	0	1539.31	90.85	Initial Hydro-static	
06	1	60.20	90.77	Open To Flow (1)	
90	15	100.62	97.50	Shut-In(1)	
85 -	45	610.00	100.08	End Shut-In(1)	
Temperature (deg	46	108.76	99.98	Open To Flow (2)	
rature (75	181.93	103.59	Shut-In(2)	
	122	602.97	103.63	End Shut-In(2)	
70 7	123	1523.43	103.75	Final Hydro-static	
95					
50					
56					
50					
	1				

Recovery				
Length (ft)	Description	Volume (bbl)		
374.00	Gassy MCO 10%m 40%o 50%g	4.97		
62.00	Gassy OCM 30% o 30% m 40% g	0.87		
15.00	OCM 20% o 80% m	0.21		
0.00	Gas to Surface	0.00		

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

Trilobite Testing, Inc Ref. No: 51535 Printed: 2012.12.05 @ 11:07:52







FOSSIL

Oolite

Oomoldic





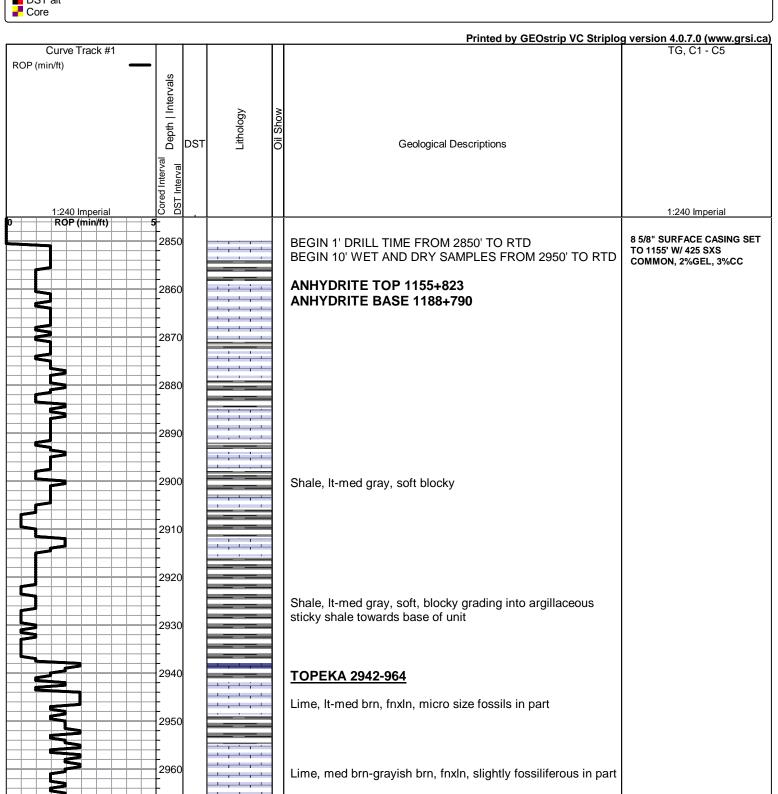
ACCESSORIES

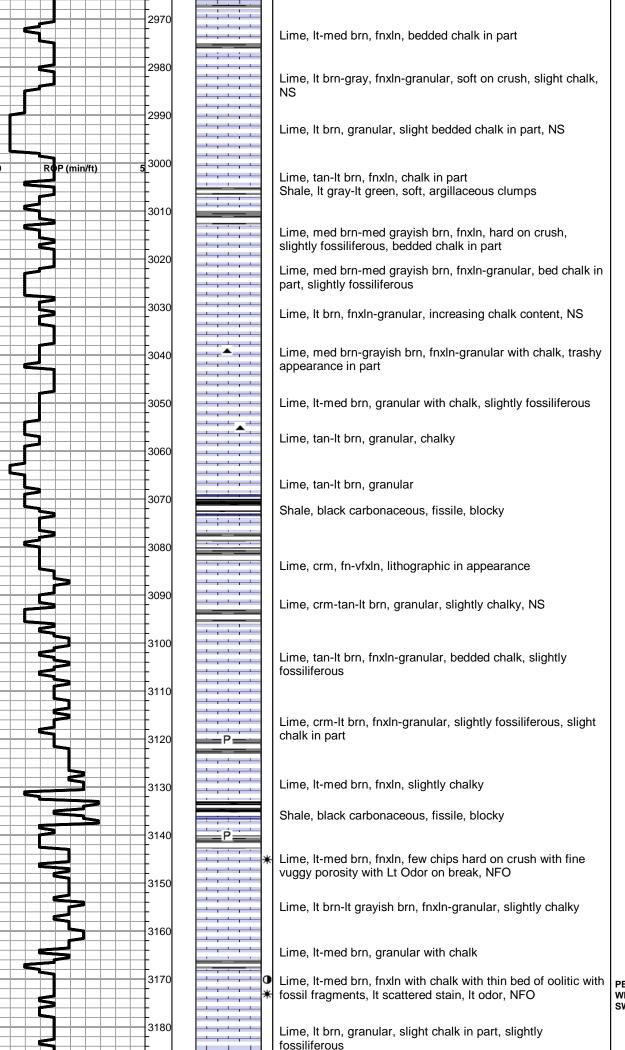
MINERAL

- Chert, dark
- ✓ Nodules
- P Pyrite
- Sandy Varicolored chert
- △ Chert White

OTHER SYMBOLS







PERFORATE 3170-73, TREAT WITH LOW PRESSURE AND SWAB TEST FOR POTENTIAL

