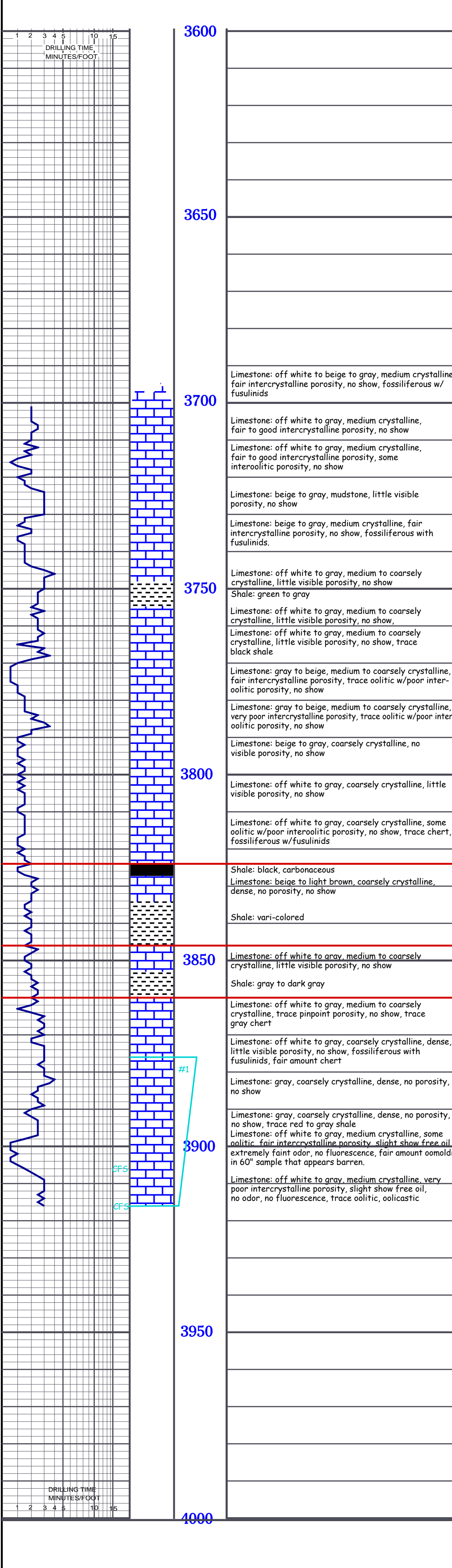


COMPANY	Cobalt Energy, LLC	ELEVATION	K/B 2519
LEASE	Pinnick "A" #1-33	D.F.	
FIELD	Wildcat	G.L.	2510
LOCATION	2.219' FSL & 454' FEL	DEPTH MEASURED FROM	KB
SEC	33 TWPSP 9S RGE 24W	Log	Drilling <input checked="" type="checkbox"/>
COUNTY	Graham STATE Kansas	Surface	8 5/8" @ 230'
CONTRACTOR	Southwind Drilling Rig #8	Production	
SPUD	3-12-14 COMP 3-20-14	Eleatic Logs	See Report
SAMPLES SAVED FROM	3700 TO 3916		

FORMATION	SAMPLE	E LOG	DATUM	A. ELOG	B. ELOG	C. ELOG
Anhydrite	2166		+353	+335	+358	+361
Base Anhydrite	2200		+319	+300	+324	+324
Heebner	3824		-1305	-1309	-1295	-1301
Toronto	3846		-1327	-1332	-1316	-1324
Lansing	3860		-1341	-1346	-1328	-1348
Maricopa Creek				-1472	-1449	-1488
Stark				-1537	-1516	-1527
Mustadckney				-1556	-1536	-1547
DSC				-1572	-1556	-1568
RTD	3916		-1397	-1604	-1498	-1571



SHALE	SANDSTONE	LIMESTONE	DOLOMITE	HALITE	ANHYDRITE/GYPSUM
-------	-----------	-----------	----------	--------	------------------

Anhydrite 2166 +353

Base Anhydrite 2200 +319

While tripping pipe back in the hole after DST #1, the bit came loose from the drill pipe and lodged near 1000'.

Tried to fish/mill the bit for the next 36 hours resulted in lowering the bit in the hole approximately 70'. Originally, the bit was sideways in the hole. No idea of its final orientation. At 9:00 PM on March 19, the drilling contractor could no longer move the bit, and it was decided to plug and abandon the hole and skid the rig to the north, drilling a 'twin' location.

Final Sumation:
There is a 7 7/8" bit lodged in this hole near 1070' with unknown orientation.

Limestone: off white to gray, medium crystalline, fair intercrystalline porosity, no show, fossiliferous w/ fusulinids

Limestone: off white to gray, medium crystalline, fair to good intercrystalline porosity, no show

Limestone: off white to gray, medium crystalline, fair to good intercrystalline porosity, some interoolitic porosity, no show

Limestone: beige to gray, mudstone, little visible porosity, no show

Limestone: beige to gray, medium crystalline, fair intercrystalline porosity, no show, fossiliferous with fusulinids.

Limestone: off white to gray, medium to coarsely crystalline, little visible porosity, no show
Shale: green to gray

Limestone: off white to gray, medium to coarsely crystalline, little visible porosity, no show

Limestone: off white to gray, medium to coarsely crystalline, little visible porosity, no show, trace black shale

Limestone: gray to beige, medium to coarsely crystalline, fair intercrystalline porosity, trace oolitic w/poor interoolitic porosity, no show

Limestone: gray to beige, medium to coarsely crystalline, very poor intercrystalline porosity, trace oolitic w/poor interoolitic porosity, no show

Limestone: beige to gray, coarsely crystalline, no visible porosity, no show

Limestone: off white to gray, coarsely crystalline, little visible porosity, no show

Limestone: off white to gray, coarsely crystalline, some oolitic w/poor interoolitic porosity, no show, trace chert, fossiliferous w/fusulinids

Shale: black, carbonaceous
Limestone: beige to light brown, coarsely crystalline, dense, no porosity, no show

Shale: vari-colored

Limestone: off white to gray, medium to coarsely crystalline, little visible porosity, no show

Shale: gray to dark gray

Limestone: off white to gray, medium to coarsely crystalline, trace pinpoint porosity, no show, trace gray chert

Limestone: off white to gray, coarsely crystalline, dense, little visible porosity, no show, fossiliferous with fusulinids, fair amount chert

Limestone: gray, coarsely crystalline, dense, no porosity, no show, trace red to gray shale

Limestone: off white to gray, medium crystalline, some oolitic, fair intercrystalline porosity, slight show free oil, extremely faint odor, no fluorescence, fair amount oolitic in 60" sample that appears barren.

Limestone: off white to gray, medium crystalline, very poor intercrystalline porosity, slight show free oil, no odor, no fluorescence, trace oolitic, oolitic

Shale: black, carbonaceous
Limestone: beige to light brown, coarsely crystalline, dense, no porosity, no show

Shale: vari-colored

Limestone: off white to gray, medium to coarsely crystalline, little visible porosity, no show

Shale: gray to dark gray

Limestone: off white to gray, medium to coarsely crystalline, trace pinpoint porosity, no show, trace gray chert

Limestone: off white to gray, coarsely crystalline, dense, little visible porosity, no show, fossiliferous with fusulinids, fair amount chert

Limestone: gray, coarsely crystalline, dense, no porosity, no show, trace red to gray shale

Limestone: off white to gray, medium crystalline, some oolitic, fair intercrystalline porosity, slight show free oil, extremely faint odor, no fluorescence, fair amount oolitic in 60" sample that appears barren.

Limestone: off white to gray, medium crystalline, very poor intercrystalline porosity, slight show free oil, no odor, no fluorescence, trace oolitic, oolitic

Shale: black, carbonaceous
Limestone: beige to light brown, coarsely crystalline, dense, no porosity, no show

Shale: vari-colored

Limestone: off white to gray, medium to coarsely crystalline, little visible porosity, no show

Shale: gray to dark gray

Limestone: off white to gray, medium to coarsely crystalline, trace pinpoint porosity, no show, trace gray chert

Limestone: off white to gray, coarsely crystalline, dense, little visible porosity, no show, fossiliferous with fusulinids, fair amount chert

Limestone: gray, coarsely crystalline, dense, no porosity, no show, trace red to gray shale

Limestone: off white to gray, medium crystalline, some oolitic, fair intercrystalline porosity, slight show free oil, extremely faint odor, no fluorescence, fair amount oolitic in 60" sample that appears barren.

Limestone: off white to gray, medium crystalline, very poor intercrystalline porosity, slight show free oil, no odor, no fluorescence, trace oolitic, oolitic

Shale: black, carbonaceous
Limestone: beige to light brown, coarsely crystalline, dense, no porosity, no show

Shale: vari-colored

Limestone: off white to gray, medium to coarsely crystalline, little visible porosity, no show

Shale: gray to dark gray

Limestone: off white to gray, medium to coarsely crystalline, trace pinpoint porosity, no show, trace gray chert

Limestone: off white to gray, coarsely crystalline, dense, little visible porosity, no show, fossiliferous with fusulinids, fair amount chert

Limestone: gray, coarsely crystalline, dense, no porosity, no show, trace red to gray shale

Limestone: off white to gray, medium crystalline, some oolitic, fair intercrystalline porosity, slight show free oil, extremely faint odor, no fluorescence, fair amount oolitic in 60" sample that appears barren.

Limestone: off white to gray, medium crystalline, very poor intercrystalline porosity, slight show free oil, no odor, no fluorescence, trace oolitic, oolitic

Shale: black, carbonaceous
Limestone: beige to light brown, coarsely crystalline, dense, no porosity, no show

Shale: vari-colored

Limestone: off white to gray, medium to coarsely crystalline, little visible porosity, no show

Shale: gray to dark gray

Comments:

GENERAL INFORMATION:

Formation: LKC "C&D"
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:52:32
Time Test Ended: 05:29:41
Interval: 3876.00 ft (KB) To 3916.00 ft (KB) (TVD)
Total Depth: 3916.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 2519.00 ft (KB)
2510.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8898 Outside
Press@RunDepth: 56.77 psig @ 3890.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.03.17 End Date: 2014.03.18 Last Calib.: 2014.03.18
Start Time: 20:13:23 End Time: 05:29:41 Time On Btm: 2014.03.17 @ 22:52:22
Time Off Btm: 2014.03.18 @ 02:54:01

TEST COMMENT: 30-IF-Built to 3"
60-IS-No Return
60-FF-Built to 3 1/2"
90-FS-No Return

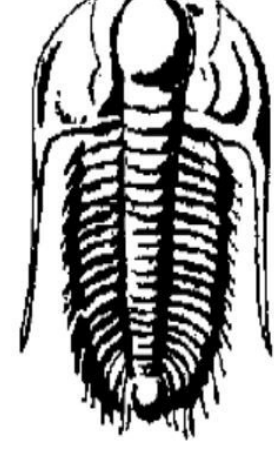
Recovery Table

Length ft	Description	Volume bbl
60.00	MW 50%w, 50%w	0.842
30.00	WM 30%w, 70%w, with oil spots	0.421

Total Length: 90.00 ft Total Volume: 1.263 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: Salinity : .675 at 37 degrees = 19,500

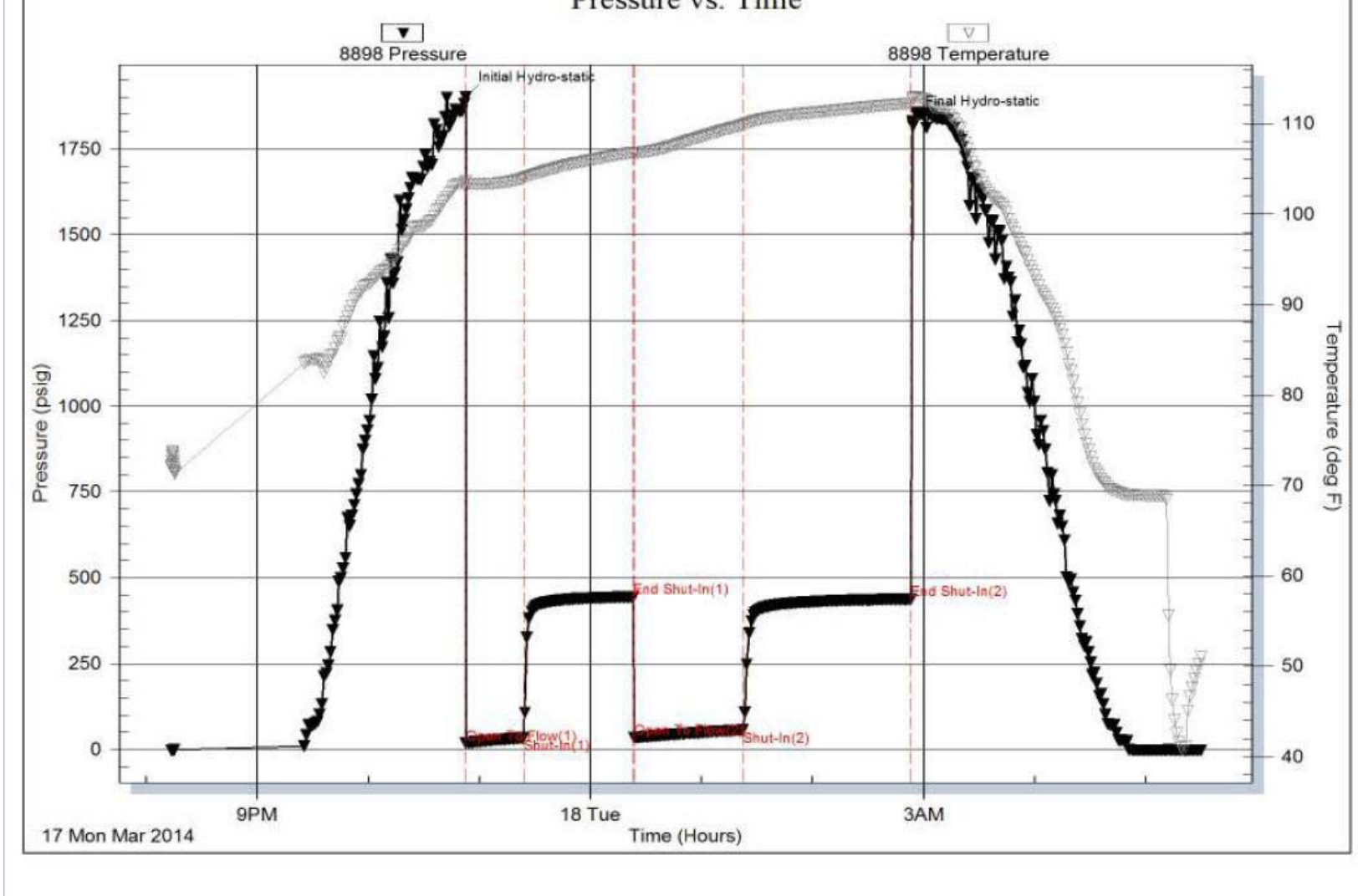
PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1899.47	103.69	Initial Hydro-static
1	17.96	102.87	Open To Flow (1)
32	34.63	103.92	Shut-In(1)
91	443.67	106.76	End Shut-In(1)
91	34.74	106.64	Open To Flow (2)
151	56.77	109.81	Shut-In(2)
241	437.56	112.21	End Shut-In(2)
242	1829.61	112.69	Final Hydro-static



TRILOBITE TESTING, INC

Serial #: 8898 Outside Cobalt Energy, LLC Pinnick "A" #1-33 DST Test Number: 1



03-11-14 MIRT. Had trouble with the bridle line, will spud tomorrow.
03-12-14 Spud well at 11:30pm. Drilled 12 1/4' surface hole to 230'. Ran 5 joints of new 8 5/8", 23# surface casing. Set @ 230'. Allied cemented with 175 sacks of common with 3% CC and 2% WOC. Plug down @ 6:00a.m. on 03/13/14. Cement did circulate. (Ticket #62504) Deviation survey 1/4' @ 230'.
03-13-14 7:00a.m., @ 230' WOC.
03-14-14 7:00a.m., @ 946'. Drilling ahead. Drillers Anhydrite: 2166-2200'.
03-15-14 7:00a.m., @ 2678'. Drilling ahead.
03-16-14 7:00a.m., @ 3122'. Drilling ahead.
03-17-14 7:00a.m., @ 3754'. Drilling ahead.
03-18-14 7:00a.m., @ 3916'. Preparing to TH following DST #1.
03-19-14 Following DST #1, the morning crew went back in the hole with the bit when they hit an obstruction somewhere around 1,000'. They could not get past it and decided to rotate on it with about 2000#. The geo noted red shavings in the samples. They decided to come out of the hole to inspect the drill bit but when they got out of the hole realized the bit had come off. They have spent the last 24 hours trying to retrieve the bit. They attempted to fish it out with a magnet but failed. They ran an impression block and discovered the bit is wedged on its side. They attempted to hook it to get it more upright to retrieve it but that also failed. The geologist told me this morning that they are going to use a milling tool and mill it out. I have spoken with the owner of Southwind Drilling and they are determined to do whatever it takes to get this resolved as quickly as they can.
03-20-14 The attempt to mill the bit and retrieve it has failed and we have decided to skid the rig 30' north and drill the Pinnick 'A' #1-33X. The bit would slide 10-20' at a time as they milled and pushed it down the hole until they got to a point where it got wedged and progress essentially stopped. The decision was made to skid around 9:00pm last evening.