

O'Brien Energy Resources, Inc.

Ardrey No. 3-35, Ardrey Field

Section 35, T30S, R24W

Clark County, Kansas

March, 2014

Well Summary

The O'Brien Energy Resources, Corporation, Ardrey No. 3-35 was drilled to a total depth of 5700'. It offset the Ardrey No. 1-2 to the NW. Formation tops ran high to this well. The Heebner came in 1' high. Tops from the Toronto to the Chester ran consistently 9' to 14' high. Formation tops also ran high to the Ardrey No. 2-2. The Stark and Cherokee came in 18' and 24' high. The Morrow, 15' high and the Chester, 36' high.

The only hydrocarbon show with any potential occurred in the Lower Lansing(5084' - 5090') and consists of a Limestone: Light brown, buff, microcrystalline, microsucrosic, firm brittle, clean, fossiliferous, chert nodules, occasional fair intercrystalline and fine vuggy porosity, trace(much less than 1% spls) light bright yellow hydrocarbon fluorescence and good streaming cut, light oil stain, no live oil. A 70 Unit gas kick occurred on the hotwire.

Additional very minor shows occurred in the Cherokee(attached mudlog).

The Ardrey No. 3-35 was plugged and abandoned 3/7/14.

Respectfully Submitted,

Peter Debenham

WELL DATA

Operator: O'Brien Energy Resources, Inc., John Forma – Portsmouth, NH
Geologist: Paul Wiemann – Denver, CO

Prospect Geologist: David Ward, Ed Schuett, Denver

Well: Ardrey No. 3-35, Ardrey Field

Location: 335' FSL & 1601' FEL, Section 35, T30S, R24W, Meade County, Kansas
– Southeast of M.

Elevation: Ground Level 2535', Kelly Bushing 2547'

Contractor: Duke Drilling Rig No. 6, Type: Double jackknife, triple stand, Toolpusher
Terry Sorter, Drillers: Saul Garcia, Richard TaFaya, Darryl LaRoche

Company Man: Roger Pearson – Liberal, Kansas

Spud Date: 2/28/14

Total Depth: 3/6/14, Driller 5700', Logger 5692', Mississippi

Casing Program: 17 joints of 8 5/8", J55, 24Lbs/ft, set at 750' with 175 sacks Class
C(2%cc).

Mud Program: Service Mud/Mud-Co, Engineer Terry Ison, Chemical/gel, displaced
4140'.

Wellsite Consultant: Peter Debenham Call depth 3000', Box 350, Drake, CO 80515, 720/220-
4860.

Gas Detection: MBC Logging, Meade, and logging trailer.

Samples: 30' to 4400', 10' to TD. One dry cut sent to the KS Sample Log Library,
Wichita.

Electric Logs: Weatherford, engineer Derek Carter, Array Induction, Compensated
Neutron/Density, Hi Res.

Status: Plugged and abandoned 3/7/14.

WELL CHRONOLOGY

6 AM			
<u>DATE</u>	<u>DEPTH</u>	<u>FOOTAGE</u>	<u>RIG ACTIVITY</u>
2/27			Move to location and rig up rotary tools.
2/28	750'	750'	Mix spud mud. Drill mouse hole and rat hole. Spud in 12 1/4" surface hole to 750'. Circulate and trip for casing and run and cement 17 joints of 8 5/8" set at 730' – did circulate. Plug down 4:30 PM. Back off landing joint and nipple up BOP.
3/1	1660'	910'	Wait on cement. Nipple up and pressure test BOP. Drill plug and cement and 7 7/8" to 950' and trip for Bit No. 3. To 1660'. Survey(1/4 deg.) and service rig. Very cold, windy and snow.
3/2	2605'	945'	Survey(3/4 deg.). To 2605'. Thaw out lines, intense cold and high winds.
3/3	3610'	1005'	Clean and service rig and survey(3/4 deg.).
3/4	4440'	830'	Clean suction and displace mud system at 4140'.
3/5	5185'	745'	Service and drill.
3/6	5700'TD	515'	To 5700'TD and circulate and condition mud. Wiper trip and circulate. Drop survey(3/4 deg.) and trip for logs. Run elogs.
3/7	TD		Run elogs. Trip in and circulate. Trip out laying down and plug and abandon well. Rig down.

BIT RECORD

<u>NO.</u>	<u>SIZE</u> <u>HOURS</u>	<u>MAKE</u>	<u>TYPE</u>	<u>OUT</u>	<u>FOOTAGE</u>	
1	12 1/4"	Varel	RR	733'	750'	10 1/2
2	7 7/8"	htc	ha22512	950	200'	4 1/4

3	7 7/8"	HTC	DP506F	5700'	4750'	1116 1/4
				Total Rotating Hours:		131
				Average:		43.5
				Ft/hr		

DEVIATION RECORD - degree

732' 1/4, 1514' 1/4, 2201' 3/4, 2731' 3/4, 3831' 3/4, 4521' 3/4, 5368' 1, TD 3/4

MUD PROPERTIES

<u>DATE</u>	<u>DEPTH</u> <u>LCM-LBS/BBL</u>	<u>WT</u>	<u>VIS</u>	<u>PV</u>	<u>YP</u>	<u>pH</u>	<u>WL</u>	<u>CL</u>	
3/1	917'	29	29	--	--	7.0	N/C	78K	--
3/2	2300'	9.6	36	10	12	7.0	n/c	82k	--

ELECTRIC LOG FORMATION TOPS- KB Elev. 2547'

<u>FORMATION</u>	<u>DEPTH</u>	<u>DATUM</u>	<u>*Ardrey No. 1-2</u> <u>DATUM</u>	<u>POSITION</u>
Casing	732'			
Heebner	4492'	-1945'	-1946'	+1'
Toronto	4504'	-1957'	-1966'	+9'
Lansing	4654'	-2107'	-2119'	+12'
KC	4866'	-2319'	-2331'	+12'
Stark SH	5035'	-2488'	-2499'	+11'
BKC	5146'	-2599'	-2613'	+14'
Cherokee	5326'	-2779'	-2791'	+12'
Morrow	5407'	-2860'	-2873'	+13'
Morrow SS	NA			
Mississippi Chester	5450'	-2903'	-2916'	+13'
TD	5692'			

*Obrien Energy, Ardrey No. 1-2, Sec. 2, 31S, 24W – KB 2541', to the SE.