

CAULKINS OIL COMPANY

BREECH "E" 85-R
SEC. 4 T26N-R6W
1125 FSL, 1680 FWL
RIO ARriba COUNTY, NEW MEXICO

Raven Ridge Resources

INCORPORATED

Exploration & Development
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WELL SUMMARY

OPERATOR:	CAULKINS OIL COMPANY
WELL:	BREECH "E" 85-R
LOCATION:	SEC. 4 T26N-R6W 1125 FSL, 1680 FWL
COUNTY:	RIO ARRIBA
STATE:	NEW MEXICO
ELEVATION:	GL 6445', DF 6455'
FIELD:	S. BLANCO PICTURED CLIFFS
GEOLOGIST:	DAVID JOHNSON
MUDLOGGING:	RAVEN RIDGE RESOURCES DAVID JOHNSON & ALEX BARNESBEE
ENGINEER:	CHARLES VERQUER
CONTRACTOR:	WALTERS DRILLING
OBJECTIVES:	PICTURED CLIFFS
STATUS:	AWAITING COMPLETION

SAMPLE DESCRIPTIONS

2150'-2180'	70% SH	gy, sbblky, blkx, occ v alty, sft, nr glau
	30% SS	qtz, cln, sbang-sbrnd, fgn, wnt, m-wcmt, non calc
2180'-2210'	60% SH	gy, sbblky, blkx, occ v alty, sft, occ glau
	40% SS	qtz, cln, sbang-sbrnd, fgn, wnt, mcmt, non calc
2210'-2240'	50% SH	ltgy-gy, sbblky-blky, occ v alty, sft, occ glau
	50% SS	qtz, cln, wh, sbang-sbrnd, m-wnt, mcmt, non calc
2240'-2270'	60% SH	gy-dkgy, plty-sbblky, occ alty, nr glau
	40% SS	qtz, cln
2270'-2300'	60% SH	a/a
	40% SS	a/a
2300'-2330'	50% SH	ltgy, plty-sbblky, alty, nr glauc
	50% SS	qtz, brn, rd, sbang-sbrnd, vfgn, wnt, mcmt, al calc
2330'-2360'	60% SH	ltgy-gn, sbblky, occ v alty, nr glau, non calc
	40% SS	qtz, gy, wh, sbang-sbrnd, vfgn, wnt, mcmt, non calc
2360'-2390'	70% SH	a/a
	30% SS	a/a, gy
2390'-2420'	50% SH	ltgy-gy, sbblky-blky, endy, occ alty, nr glau
	50% SS	qtz, wh, cln, sbang-sbrnd, vfgn, wnt, wcmt, non calc
2420'-2450'	60% SS	qtz, wh, cln, sbang-sbrnd, vfgn, wnt, mcmt, al calc
	40% SH	ltgy, sbblky-blky, occ v alty, occ glau, non calc
2450'-2480'	80% SH	ltgy, gygn, a/a
	20% SS	a/a
2480'-2510'	80% SH	ltgy-gy, sbblky-blky, occ alty, nr glauc, non calc
	20% SS	qtz, wh, cln, sbang-sbrnd, vfgn, wnt, mcmt, non calc

2510'-2540'	90% SH 10% SS	ltgy, a/a qtz, wh, a/a
2540'-2570'	70% SH 30% SS	ltgy-gygn, pity-sbbiky, mfm, occ silty, occ glau, non calc qtz, wh, cln, sbang-sbrnd, fgr, wsnt, mcmt, calc cmt
2570'-2600'	70% SH 30% SS	a/a a/a
2600'-2630'	90% SH 10% SS	gy-dkgy, sbbiky-biky, occ carb bnds, sl silty, nr glau, non calc qtz, wh, cln, sbang-sbrnd, fgr, wsnt, wcmt, sl calc
2630'-2660'	80% SH 20% SS	gy-dkgy, sbbiky-biky, carb bnds, silty ip, nr glau, non calc qtz, wh, cln, brn, sbang-sbrnd, fgr, wsnt, wcmt, sl calc
2660'-2690'	90% SH 10% SS	dkgy-blk, sbbiky-biky, nr carb bnds, sl silty, non calc, tr coal brn, gy, sbang-sbrnd, fgr, wsnt, wcmt, sl calc
2690'-2720'	90% SH 10% SS	a/a a/a
2720'-2740'	80% SH 20% SS	ltgy, dkgy, sbbiky-biky, mfm, occ carb bnds, carb, tr coal qtz, brn, wh, sbang-sbrnd, v-fgr, wsnt, wcmt, sl-m calc
2740'-2760'	90% SH 10% SS	gy-dkgy, sbbiky, biky, mfm, carb ip, non calc, tr coal qtz, brn, wh, sbang-sbrnd, fgr, wsnt, m-wcmt, sl calc
2760'-2780'	90% SH 10% SS	a/a a/a
2780'-2797'	80% COAL 20% SH	blk, 80% dull, 20% bri, sbbiky- biky, silty ip, fgm, sl cleat dev, o concn frac gy-dkgy, sbbiky-biky, silty, occ carb, fgm, non calc

CORE #1

30' Cored - 100% Recovered

2797.0'-2806.1'	COAL	blk, dull w/ occ bri lams, v shly & slty, horiz. bedding, occ vit, minor pyr, shly bedding, calcite along bedding @ 2797.9'-2798', coaly sh ptg @ 2800.7'-2802'
2806.1'-2813.0'	SH	ltgy-gy, gygn, pred ip, occ slty, coaly @ 2812', occ carb bnds, non calc
2813.0'-2821.4'	SH	gy, slty, occ carb zns, occ grd into sndy sh, minor pyr
2821.4'-2827.0'	SS	qtz, gy, v fgn, m-wsnt, sh ip, sl calc, occ shly bedding, wcm

CORE #2

30' Cored - 29.5' Recovered, .5' Lost

2827.0'-2835.1'	SH	w/ intermittent sandstone, gy-dkgy, occ carb clsts & zns, m calc, bedding @ 10°, v frac, sh ptg @ 2828'-2829'
2835.1'-2844.3'	SS	qtz, ltgy, fgn, calc, occ sh bedding @ 10°, sbang-sbrnd, m-wsnt, wcm
2844.3'-2851.0'	COAL	blk, bri w/ occ dull zns, occ vit, bedding horiz, ss along bedding @ 2850.1', grd to shly coal @ 2851.3'
2851.0'-2856.5'	COAL	blk, dull, w/ bri zns, occ vit, grd to slty sh @ 2852.5', occ calc in fracs

CORE #3

30' Cored - 100% Recovered

2857.0'-2857.5'	COAL	blk, dull w/ occ bri zns, vit, occ shly, conch, no cleating
2857.5'-2867.0'	SS	qtz, gy, wh, cln, fgn, wsnt, m-wcm, sl calc, occ carb bnds, shly ip, sbang-sbrnd, sl cmt