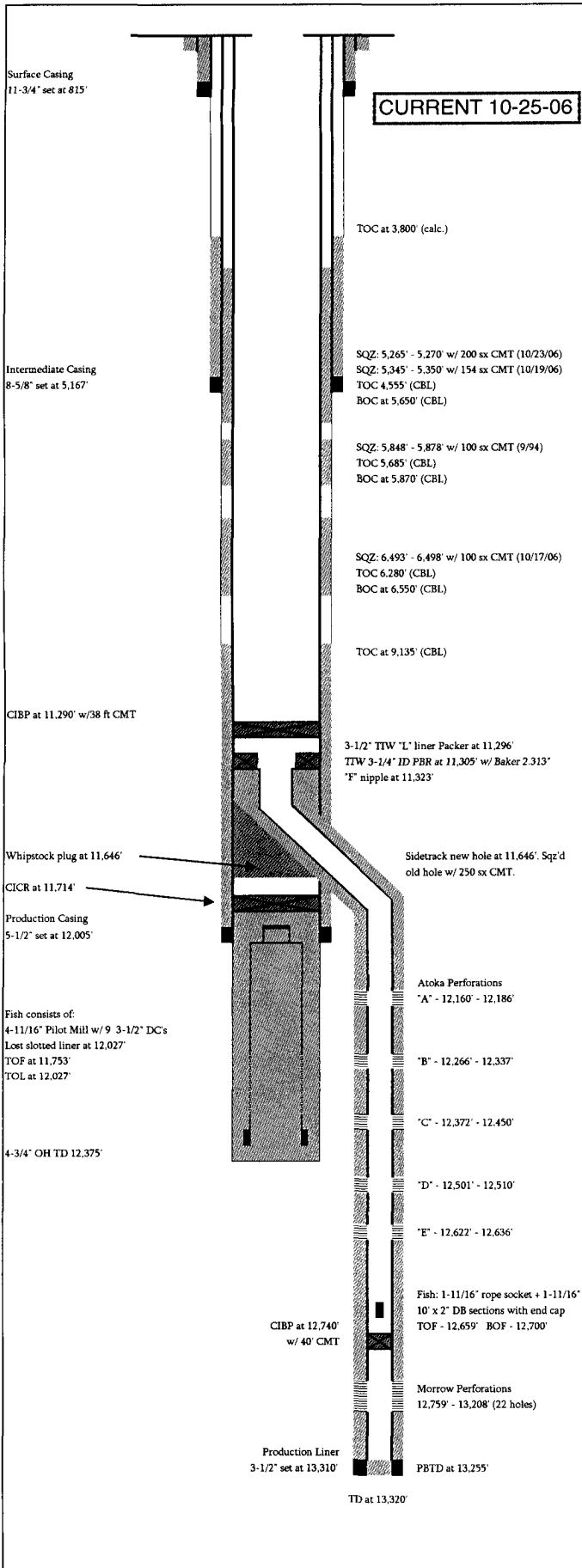


30-075-21037



BOLD ENERGY, LP

ARU #4

WL: 50.0%
 Elevation: 3,550'
 KR: 13'
 Meas. TD: 13,320'
 TVD: 13,320'
 PBD: 13,255' (FC)
 Zone: Atoka

NRE: 42.5%
 APE: 30-025-21037
 Surface Location: 990' FNL & 2310' FEL
 Legal Description: Section 4 - T24S - R34E
 Field: Antelope Ridge
 Country: Lea County
 State: New Mexico

Casing	Hole	Weight	Grade	Top	Bottom	Burst	80% Burst	TOC
Conductor								
11-3/4"	15"	42#	H-40/J-55	0'	815'	1,980	1584	Surface (circ)
8-5/8"	11"	32#	J-55	0'	5,167'	3,930	3144	3,800' (calc)
5-1/2"	7-7/8"	17#	N-80/J-55	0'	12,005'	5,320	4256	9,135' (CBL)
3-1/2"	4-3/4"	9.3#	N-80	11,296'	13,320'	10,160	8128	11,296' (circ)

Date Event

12/8/1964 Spud

2/4/1965 Original completion in Atoka OH from 12,005' - 12,375'. CAOF = 30 MMscfd

Four point test results

Time (hrs)	Choke	Rate (mcf/d)	Cond (bbls)	GLR	FTP
2	10/64	4,516	8.8	42,873	4,155
2	13/64	5,539	11.7	39,521	4,090
2	16/64	6,781	15	37,591	3,974
2	19/64	9,568	22.5	35,004	3,717

3/8/1966 BHP bombs: Survey showed 5,162 psi at 12,250'. Corrected to 5,115 psi at 11,826'

9/5/1968 Letter from Shell to NMOCD reporting 1,300 bwpd and 1,000 Mscfd

10/1/1972 Deepen to Morrow. SITP 2,200 psi. Killed with 10# brine. POOH with LSA. Try to fish 4' slotted liner. Could not pull liner. Left fish in hole + 1-11/16" KR pilot mill and 9 3-1/2" DC's. TOF at 11,753'

Sqz from 11,714' - 12,375'. Set whipstock and sidetracked original hole at 11,646' with 4-3/4" bit. Set 3-1/2" casing at 13,320' with TOL at 11,296'. RIH with 2-7/8" cbg and perf with 2" tubing guns: Morrow: 12,759; 12,762; 12,763; 12,780; 12,781; 12,789; 12,790; 12,792; 12,958; 12,961; 12,964; 12,967; 12,970; 12,972; 12,975; 12,977; 13,023; 13,025; 13,182; 13,184; 13,206; 13,208 (22 holes) 16 hour SITP = 6,600 psi. Flowed 24 hours at 750 psi - 637 Mscfd. Acidized Morrow with 2K gal 20% HCL w/ nitrogen.

2/1/1973 Flowing Morrow at 600 psi at 12 bopd, 0 bwpd and 750 Mscfd. Frac'd Morrow with 10K gal 50# linear gel pad and 15K gal 1.0 pps slurry with 20/40 sand + 1K gal 15% HCL acid w/10 BS - then repeated. All fluid contained 300 scf/bbl N2. Averaged 8.3 bpm at 7,700 psi. ISIP = 5,700 psi. 15 min SIP = 5,000 psi.

4/1/1973 Flowing Morrow at 600 psi at 4 bopd, 8 bwpd and 765 Mscfd after frac.

3/1/1977 Flowing Morrow at 267 Mscfd, 4 bopd, 1 bwpd. Ran PBU test. BHP = 4,561 psi. Tagged w/ WL at 13,191'. Skin damage reported in PBU analysis.

10/1/1991 FTP = 200 psi. Swabbed 4 runs and recovered 6-10 bbls black water.

4/1/1994 Plug back from Morrow to Atoka. Set CIBP over Morrow. Left WL fish in hole. Located hole in casing at 5,848' - 5,878' and squeezed off.

Perforated the Atoka as follows with 2" tubing guns. 4 spf, 60 deg phasing, 389 holes total

'C' 12,372' - 12,382'; 12,401' - 12,403'; 12,408' - 12,414'; 12,417' - 12,423'; 12,426' - 12,434'; 12,442' - 12,450'

'D' 12,501' - 12,510'; 12,514' - 12,516'; 12,552' - 12,566'; 12,576' - 12,584'; 12,591' - 12,601'

'E' 12,622' - 12,627'; 12,630' - 12,636'

Noted slight blow on tubing after perforating 12,552' - 12,584'. Overnight SITP = 1,190 psi. Flowed well 7.5 hrs

Recovered fluid for first two hours with FTP 300 to 600 psi.

9/24/1994 SI waiting on compressor. SITP from 9/24 to 9/30 - 1,700 psi to 3,850 psi.

10/13/1994 Begin gas lift.

Ran flowing gradient survey showing BHFP at 12,513' is 896 psi - flow coming from bottom GLV at 11,297'

11/29/1994 RIH w/ CT. Spotted 10 bbls 7-1/2% MSR to btm perfs. Pumped 0.3 bpm at 4,400 psi. ISIP = 3,850 psi. 15 min SIP = 805 psi. Pull above perfs and pump 18 bbls 7-1/2% MSR. Displace acid while reciprocating CT. Reverse out.

12/3/1994 Well flowing on gas lift. No net gas production after 3 days.

12/17/1994 Perforated Atoka 'B' 12,316' - 12,337' w/ 2" tubing guns. Well went from vacuum to slight blow in 10 minutes. Started gas lift. Fluid to surface in 1 hour. Flowing 6 hours with 25 bw, 570 Mcf.

From 12/18/94 to 1/6/95 gas increased from 0 to 131 Mscfd and from 0 to 158 bwpd.

1/8/1995 SITP = 250 psi, SICP = 1,240 psi. Perforate Atoka 'A' 12,160' - 12,162'; 12,168' - 12,176'; 12,181'; 12,186'; 12,266' - 12,270'; 12,272' - 12,274'; 12,281' - 12,284'; 12,286' - 12,289'; 12,291' - 12,303'

2" tubing guns, 2 spf w/180 deg phasing.

Tubing pressure increased to 500 psi after 2nd run. FL at 2,450'. TP increased to 600 psi after 3rd run.

Final SITP = 650 psi. CP = 1,240 psi.

From 1/10/95 to 1/22/95 rate increased from 119 to 157 Mscfd and decreased from 120 to 105 bwpd.

3/1/1995 BHP = 5,518 psi from 72 hour BHP buildup.

9/11/1996 Spotted 60 bbls of 15% MSR 100. Acidized Atoka perfs. Formation broke at 4,960 psi at 2.5 bpm. Max pressure = 6,150 psi at 8.0 bpm. ISIP = 1,000 psi. 15 min SIP = 160 psi.

9/12/1996 SITP = 675 psi. Swabbed - SFL 500' FFL 2,000'. Well kicked off after 4 runs. 16/64" CK at 775 psi. SI for evaluation. 14 hour SITP = 1,200 psi.

9/15/1996 TA'd well with CIBP over Atoka.

4/11/2002 Casing integrity test performed and witnessed by BLM.

3/1/2006 Re-establish Atoka production: Cut over and retrieved CIBP. Polished PBR at 11,296'.

Ran GYRO survey showing BHL at 12,659' is 154.7' at 102.7 degrees.

Ran seal assembly on 3-1/2" work string. Shut in well.

3/21/2006 4 day SITP = 1,250 psi. Frac'd Atoka (12,160' - 12,636') with 1,930 bbls Slickwater & 11,981 lbs 20/40 CarboProp at a pump rate of 22 - 30 bpm and 7,883 to 8,530 psi. ISIP = 3,650 psi. Opened to test tank on 32/64" CK.

First 14 hours of flowback recovered 505 bw with FTP of 240 psi on 34/64" CK.

Recovered over 100% of frac load by second day of flowback.

3/24/2006 MIRU test separator and continue flowback.

275 psi on 32/64" CK 130 Mscfd and 840 bwpd

3/25/2006 245 psi on 28/64" CK 121 Mscfd and 1,017 bwpd

3/26/2006 220 psi on 28/64" CK 93 Mscfd and 884 bwpd

3/27/2006 200 psi on 28/64" CK 103 Mscfd and 1,086 bwpd

3/28/2006 Final reading 200 psi on 28/64" CK 103 Mscfd and 1,008 bwpd

Ran SLB production log. Set down at 12,322'. Log showing all flow coming from below 12,322' (no spinner data)

3/29/2006 Ran impression block - sand impression. Made 1" in 3 bailer runs. SI and let build overnight.

3/30/2006 Open to test tank and flow well overnight.

3/31/2006 Ran in with bailer. No progress in 6 bailer runs. SI well.

4/3/2006 SITP = 2,750 psi. Flowed well to test tank. Pull 3-1/2" work string. Set 5-1/2" CBP at 11,290' w/38' CMT.

8/19/2006 Ran CBL to identify cement tops in 5-1/2" casing string.

10/17/2006 Performed squeeze work to isolate above and below Delaware formation.