

Robert L. Bayless, Producer LLC

Boeing #1


Surface location: 220' FNL & 2384' FEL (NW/NE)
Bottomhole location: 751' FNL & 3354' FEL (NE/NW)
Section 2, T26N R8W
San Juan County, NM
API # 30-045 - 34081

RCVD APR16'07

OIL CONS. DIV.

DIST. 3

DAKOTA/MESAVERDE (3 STAGE) COMPLETION REPORT

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- 03/18/07 Set 14 frac tanks on location. Fill 6 tanks with city water and 8 tanks with water well. All water contains 1% KCL and clay stabilization chemicals and bactericide.
- 03/19/07 Move in and rig up Professional Well service completion rig to location. Nipple up well head and BOP. Pick up 2 3/8" tubing. Make up BHA with 3 7/8" mill and casing scraper. Trip in the hole with 127 joints and tag cement above DV tool at 4171 ft. Drill out cement and tag DV tool at 4245 ft. Drill out DV tool and circulate hole clean for 15 minutes. Trip in the hole and tag solid bottom at 6,940 ft (173 ft below bottom perf). Pull out 20 ft of tubing from the bottom. Shut in well and shut down overnight.
- 03/20/07 Circulate hole clean with 110 bbl of 1% KCL city water. Trip out of the hole and lay down tubing, casing scraper and mill. Nipple down BOP and wellhead. Installed WSI frac valve on casing. Rig up Blue Jet Wireline Service. Run Gas Spectrum log (GR-GSL) from corrected PBTD of 6939 ft to 1800 ft. Check depth at magnetic markers 3690 ft, 6600 ft and DV tool (4250-4252 ft). Rig down loggers. Shut in well and shut down overnight.
- 03/21/07 Pressure tested casing and frac valve to 4000 psi, held OK. Rigged down and moved rig to Boeing # 3. Wait on further completion.

03/26/07 Move in and rig up Professional Well service completion rig to location. Rig up Blue Jet Wireline. Perforated the lower Dakota interval with 3 1/8" casing gun at 2 JSPF as follows:

6741 - 6748 ft	7 ft	15 holes	.38" diameter
6761 - 6767 ft	6 ft	13 holes	.38" diameter
TOTAL	13 ft	28 holes	.38" diameter

Rigged up Halliburton frac crew. Broke down lower Dakota perforations with 1 % KCL water and pumped into formation at 8 bpm at 3600 psi. Shutdown and get an ISIP of 2950 psi (0.86 FG). Acidized lower Dakota interval with 500 gallons of 7 1/2 % HCL acid containing 42 Bioballs at 6.0 BPM and 3150 psi. Had good ball action, but never balled off. Pumped remaining acid into perforations at a final rate of 6 bpm and 3100 psi with ISIP of 2650 psi (0.83 FG). Ran junk basket on wireline and recovered 37 bioballs. Fracture stimulated the lower Dakota interval with 23,670 gallons of 20#/1000 gal X-linked borate gelled fluid containing 16,500 lbs of 20/40 resin coated sand as follows:

7,500 gals of 20# X-linked gel pad	25 bpm @ 3500 psi
4,000 gals 20# X-linked gel containing 1 ppg resin sand	25 bpm @ 3400 psi
4,000 gals 20# X-linked gel containing 2 ppg resin sand	25 bpm @ 2850 psi
5,000 gals 20# X-linked gel containing 3 ppg resin sand	Screenout to 4000 psi
No Flush	

Well screen out to 4000 psi during the 3 ppg stage, leaving approximately 7000 lbs of sand in the wellbore and 9500 lbs of sand in formation. Total fluid pumped was approximately 560 bbls. The screen out was a result of volume lost on the hydration tank causing blender to lose suction. Average rate 25 bpm, average pressure 3375 psi. Maximum pressure 4000 psi, minimum pressure 2850 psi. Will move in rig to clean out sand and fluid from well. Shut in well, shut down for the night. Shut in well and shut down overnight.

03/27/07 Nipple down frac valve. Nipple up well head and BOP. Pick up 2 3/8" tubing with saw tooth collar. Trip in the hole and tag fill at 3185 ft. Sand was coming out of the backside. Pull out 16 stands and backside went on vacuum. Rig up pump and circulate sand and gel. Clean up hole to 2075 ft. Shut in well and shut down overnight.

03/28/07 Clean up hole to 2140 ft, no sand. Trip in the hole to 5253 ft Circulate hole clean, no sand. Trip in the hole and tag fill at 6174 ft. circulate hole clean to 6537 ft and rig pump broke. Pull out 15 stands. Shut in well and shut down overnight.

03/29/07 Repair pump. Trip in the hole and tag fill at 6339 ft. circulate hole clean to 6939 ft (PBDT). Circulate hole clean with 120 bbl of 1% KCL city water. Trip out of the hole. Nipple down BOP and wellhead. Installed WSI frac valve on casing. Shut in well and shut down overnight.

03/30/07 Rigged up Halliburton frac crew. Started to pump into formation at 3 bpm and 3750 psi. Worked the rate up slowly. Well pressured up to 4200 psi at 4 bpm. Shutdown and get an ISIP of 3350 psi (0.93 FG). Started to pump again and pumped into formation at 1 bpm at 2945 psi. Well pressured up to 4200 psi at 2 bpm. Shutdown and get an ISIP of 3600 psi (0.97 FG). The decision was made to re-perforate the lower Dakota intervals. Rigged up Blue Jet Wireline and selectively re-perforated the Lower Dakota interval with 3 1/8" casing gun as follows:

6741	6743.5	6746	6761	6763.5	6766
6741.5	6744	6746.5	6761.5	6764	6766.5
6742	6744.5	6747	6762	6764.5	6767
6742.5	6745	6747.5	6762.5	6765	
6743	6745.5	6748	6763	6765.5	

Acidized lower Dakota interval with 1000 gallons of 7 1/2 % HCL acid at 2.5 BPM and 3950 psi. Pumped remaining acid into perforations at a final rate of 3 bpm and 3900 psi. Fracture stimulated the lower Dakota interval with 31,500 gallons of 20#/1000 gal X-linked borate gelled fluid containing 22,750 lbs of 20/40 resin coated sand as follows:

8,000 gals of 20# X-linked gel pad	20 bpm @ 3950 psi
4,000 gals 20# X-linked gel containing 1 ppg resin sand	20 bpm @ 3850 psi
4,000 gals 20# X-linked gel containing 2 ppg resin sand	20 bpm @ 3650 psi
3,000 gals 20# X-linked gel containing 3 ppg resin sand	20 bpm @ 3600 psi
3,000 gals 20# X-linked gel containing 4 ppg resin sand	Screenout to 4500 psi

Flush well as much as possible until total screenout to 4500 psi

Well screen out to 4500 psi the during the 4 ppg stage, leaving approximately 6500 lbs of sand in the wellbore and 16250 lbs of sand in formation. Total fluid pumped was approximately 750 bbls. Initial shut in pressure was 4450 psi, decreasing to 4405 psi after 15 minutes. Will move in rig to clean out sand and fluid from well. Shut in well, shut down for the night.

03/31/07 Well blew down immediately. Nipple down frac valve. Nipple up well head and BOP. Pick up 2 3/8" tubing with saw tooth collar. Trip in the hole and tag fill at 4398 ft with 67 stands. Circulate and clean hole to 4725 ft. Trip in the hole and tag fill at 6899 ft. Cleaned out well to 6939 ft (PBTD). Circulate hole clean with 110 bbl of 1% KCL city water. Trip out of the hole. Nipple down BOP and wellhead. Installed WSI frac valve on casing. Shut in well and shut down for the weekend. Waiting on completion.

04/02/07 Rigged up Blue Jet Wireline. Ran Composite bridge plug in hole on wireline and set at 6730 ft. Pressure tested plug to 3500 psi, held OK. Perforated the Upper Dakota interval with 3 1/8" casing gun at 4 JSPF as follows:

6664 - 6680 ft 16 ft 33 holes .38" diameter

Rigged up Halliburton. Broke down upper Dakota perforations with 1 % KCL water at 3000 psi and pumped into formation at 8 bpm at 2950 psi. Shutdown and recorded ISIP of 1600 psi (0.67 FG). Acidized Upper Dakota interval with 500 gallons of 7 1/2 % HCL acid containing 50 RCN ball sealers at 5.0 BPM. Had very good ball action, before balling off to 4000 psi. Shut down and allowed balls to fall. Pumped remaining acid into perforations, final rate 11 bpm @ 2550 psi, ISIP was 1500 psi (0.6 FG). Ran junk basket on wireline and recovered no balls. Fracture stimulated the upper Dakota interval with 33,000 gallons of 20#/1000 gal X-linked borate gelled fluid containing 58,000 lbs of 20/40 resin coated sand as follows:

10,000 gals of pad	25 bpm @ 2450 psi
6,000 gals 20# X-linked gel containing 1 ppg resin sand	25 bpm @ 2300 psi
5,000 gals 20# X-linked gel containing 2 ppg resin sand	25 bpm @ 2250 psi
6,000 gals 20# X-linked gel containing 3 ppg resin sand	25 bpm @ 2150psi
6,000 gals 20# X-linked gel containing 4 ppg resin sand	25 bpm @ 2200 psi
4,340 gals of flush	25 bpm @ 2750 psi

Initial shut in pressure was 2200 psi, decreasing to 1810 psi after 15 minutes (0.76 FG). Average rate 25 bpm, average pressure 2400 psi. Maximum pressure 2450 psi, minimum pressure 2150 psi. Ran Composite bridge plug in hole on wireline and set at 4790 ft. Pressure tested plug to 3500 psi, held OK.

Selectively perforated the Point Lookout interval with 3 1/8" casing gun as follows:

4532	4547	4564	4583	4612	4660
4534	4549	4566	4585	4614	4662
4537	4553	4568	4587	4616	4664
4539	4560	4570	4602	4618	
4545	4562	4572	4605	4658	

Rigged up Halliburton. Broke down Point Lookout perforations at 1850 psi and pumped into formation at 5 bpm at 1400 psi. Shutdown and recorded an ISIP of 1400 psi (0.65 FG). Acidized Point Lookout interval with 1000 gallons of 7 1/2 % HCL acid containing 42 RCN ball sealers at 5.0 BPM. Had very good ball action, before balling off to 4000 psi. Shut down and allowed balls to fall. Ran junk basket on wireline and recovered 7 ball sealers. Fracture stimulated the Point Lookout interval with 105,000 gallons of slick water frac fluid containing 115,000 lbs of 20/40 sand as follows:

25,000 gals of pad	60 bpm @ 3050 psi
5,000 gals slick water containing 1/2 ppg sand	60 bpm @ 3000 psi
25,000 gals slick water containing 1 ppg sand	60 bpm @ 2550 psi
25,000 gals slick water containing 1 1/2 ppg sand	60 bpm @ 2600psi
25,000 gals slick water containing 2 ppg sand	60 bpm @ 2500 psi
2,900 gals of flush	35 bpm @ 1200 psi

Initial shut in pressure was 1200 psi, decreasing to 837 psi after 15 minutes (0.69 FG). Average rate 60 bpm, average pressure 2700 psi. Maximum pressure 3050 psi, minimum pressure 2500 psi. Secure well and shut down for the night.

04/03/07 Well on vacuum. Nipple down frac valve. Nipple up wellhead and BOP. Trip in the hole with mill and string flow on tubing and tag fill at 4398 ft (134 ft above perfs). Rig up air unit. Circulate and clean out sand to 4563 ft. Pull out tubing above the perfs. Secure well. Shut in well and shut down overnight.

04/04/07 Overnight shut in pressures: tubing 50 psi, annulus 600 psi. Blew well down. Rigged up air unit. Tripped in the hole and tagged fill at 4700 ft. Circulated and cleaned hole to plug at 4790 ft. Drilled out composite bridge plug and cleaned up well. Tripped in the hole and tagged fill at 6522 ft. Circulated and cleaned out hole to plug at 6720 ft. Drilled out composite bridge plug and cleaned up well. Chase plug to 6929 ft and drilled down to 6939 ft (PBSD). Pulled out tubing above perfs. Shut in well and shut down overnight.

04/05/07 Overnight shut in pressures: tubing 500 psi, annulus 600 psi. Blew well down. Tripped out of the hole. Laid down mill and string flow. Tripped back in the hole with production string. Tagged at 6919 ft (152 ft below the pers). Landed production string as follows:

<u>Description</u>	<u>Length</u>	<u>Depth</u>
KB to landing point	12.00	0 - 12
204 jts of 2 3/8" 4.7#/ft J55 EUE		
New tubing	6702.04	12 - 6714
Subs (6ft, 4ft)	10.00	6714 - 6724
1 seating nipple	1.10	6724 - 6725
1 Tail Joint	<u>33.01</u>	6725 - 6758
	6758.11	

Rigged to swab. Make 4 swab runs. Found fluid level at 1000 ft. Well did not unload. Final annulus was 100 psi. Nipple down BOP. Released rig Waiting on pipeline connections.