



April E. Pohl
Regulatory Specialist

30-039-05830

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September 24, 2013

Charlie Perrin – District Supervisor
Brandon Powell – Inspection and Enforcement Supervisor
New Mexico Oil Conservation Division
1000 Rio Brazos Road
Aztec, NM 87410

Dear Sirs:

When performing the Bradenhead test on the LL McConnell 11, it was discovered the well had a problem with the Bradenhead pressure. Subsequently, the well was evaluated and the decision was made to plug and abandon the well as it is not economically feasible to repair it.

Per NMAC rule 19.15.16.11 a written report is to be delivered to the Division within five working days outlining the actions to be taken to eliminate any possible hazard to waste or fresh water.

The process is as follows:

- MIRU workover rig. POOH with 2" tubing. RIH with workstring and tag for fill
- Cleanout to bottom perf @ 3751'. Set CMT retainer @ 3700'.
- MIRU cmt provider, establish injection down the workstring and through the retainer. Squeeze the Pictured Cliffs perms from 3751'-3809', with 23 SKS of cmt. Sting out of retainer and spot 12 sks of cement on retainer. Pull up hole 200' and circulate wellbore clean with 2% KCL equivalent water. TOH.
- Perforate @ 2066', using 4 SPF, 90 deg phase for squeeze holes.
- MIRU cmt provider, squeeze 25 sks of cement. TOH
- Perforate @ 500', using 4 SPF, 90 deg phase for squeeze holes.
- MIRU cmt provider, squeeze 25 sks of cement. TOH
- Perforate @ 264', (50' below CSG shoe) using 4 SPF, 90 deg phase for squeeze holes.
- MIRU cement provider. Open bradenhead valves. Establish injection down workstring and retainer and attempt to circulate up surface casing. Squeeze the surface casing shoes with 93 sks cement. Sting out of retainer and fill 5-1/2" casing with 32 sks cement. Circulate BOP clean with water. If unable to circulate, set a CMT retainer above the perforations and fill casing with cement to surface.
- TOH and lay down workstring.
- ND BOP. Cut off wellhead, top fill with cement. Weld on dry hole marker.
- RDMO workover rig and equipment, and clean location.

The Form 3160-5 has been filed with the BLM and we are awaiting approval. The Bradenhead test results are attached.

Thank you,

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NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

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AZTEC NM 87410
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BRADENHEAD TEST REPORT

(submit 1 copy to above address)

Date of Test 9-18-13 Operator FOUR STAR OIL-SGS API # 30-039-05830

Property Name McConnell Well No. 11 Location: Unit Section 29 Township 25N Range 3W

Well Status (Shut-In or Producing) Initial PSI: Tubing 3 Intermediate X Casing 53 Bradenhead 4

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

Testing TIME	PRESSURE				
	Bradenhead		INTERM		
	BH	Int	Csg	Int	Csg
5 min	53 Blow		53		
10 min	53 Blow		53		
15 min	52 Blow		52		
20 min	52 Blow		52		
25 min	52 Blow		52		
30 min	52 Blow		52		

	FLOW CHARACTERISTICS	
	BRADENHEAD	INTERMEDIATE
Steady Flow	X	
Surges		
Down to Nothing		
Nothing		
Gas		
Gas & Water		
Water		

If bradenhead flowed water, check all of the descriptions that apply below:

CLEAR FRESH SALTY SULFUR BLACK

5 MINUTE SHUT-IN PRESSURE BRADENHEAD R INTERMEDIATE Y

REMARKS:

By Randy Calder Witness _____

Calder service
(Position)

E-mail address Randy.oc@calder-service.com