# RECEIVED

Form 3160-3 (Aprıl 2004)

MAY 3 0 2008

Bureau or Land Management Farmington Field Office

FORM APPROVED OMB NO 1004-0137

Expires March 31,2007

## UNITED STATES DEPARTMENT OF THE INTERIOR

5. Lease Serial No

BUREAU OF LAND MAN	· NM-SF-07881	· NM-SF-078818-A					
APPLICATION FOR PERMIT TO I	ORILL OR REENTER	6 If Indian, Allottee or Tribe N	ame				
			•				
		7 If Unit or CA Agreement, Na	ame and No.				
1a Type of Work DRILL X	REENTER -	,	To the of CATAgreement, Name and No.				
	_	8 Lease Name and Well No					
1b Type of Well Oil Well X Gas Well Other	X Single Zone Multiple Zone	e USA	5				
2. Name of Operator	· · · · · · · · · · · · · · · · · · ·	9 API Well No	•				
•		30-045-2883	54				
Chevron Midcontinent L P	Data plana Mark (1717)						
3a Address P O Box 36366	3b Phone No. (include area code)	10 Field and Pool, or Explorator	У				
Houston, TX 77236	281-561-4859	Basın Fruitland	Basın Fruitland Coal				
4. Location of well (Report location clearly and In accordance with	any State requirements *)	11 Sec ,T ,R ,M ,or Blk and	Survey or Area				
At surface		`	,				
965' FSL -735' FEL Lat	36 96774 Long. 108 148	09   Sec 24 T32N	RÍ13W				
At proposed prod zone		1321	,				
14 Distance in miles and direction from the nearest town or post office	24*	12 County or Parish	13 State				
		1					
3 miles of LaPlata, New Mexico		San Juan County	New Mexico				
15 Distance from proposed*	16 No. of acres in lease	17 Spacing Unit dedicated to this well					
location to nearest 800'	1						
property or lease line, ft	2200	320 E/2	•				
(Also to nearest drlg unit line, if any)  18 Distance from proposed location*	10 Proposed Donth	20 BLM/ BIA Bond No on file					
18 Distance from proposed location* to nearest well, drilling, completed, 135'	19 Proposed Depth	20 BLM/ BIA BOND NO ON THE					
applied for, on this lease, ft	. 2150'	RLB0002888					
21 Elevations (Show whether DF RT, GR, etc.)	22 Aproximate date work will sta						
5944' This action is subject to technic procedural review purpose.	6/1/2008	30 days DRILLING OPERATION	NS AUTHORIZED ARE				
		SUBJECT TO COMPI	LIANCE WITH ATTACHE				
The following, completed in accordance with the requirements of the	hone Oil and Gas Order No 1 shall be attache	d to this form. *GENERAL REQUIRE	MENTS".				
Well plat certified by a registered surveyor		erations unless covered by existing bond o	n file(see				
2 A Drilling Plan .	item 20 above)		1				
3 A Surface Use Plan ( if the location is on National Forest System SUPO shall be filed with the appropriate Forest Service Office)		ic information and/ or plans as may be rec	unrad by the a				
	authorized officer	ie information and/ or plans as may be rec	uned by the a				
25.0	<del></del>	Details Details	5/20/2008				
25 Signature	Name (Printed/ Typed) F	Pamela Rainey Date	5/20/2008				
- Tamba Kaling							
Title Regulatory Specialist							
Approved By (Signature)	Name (Printed/ Typed)	Date	2/11				
· All (aulea locts)		///7					
Title	Office		,				
AM	1770						
Application approval does not warrant or certify that the applicant hoperations thereon	olds legal or equitable title to those rights in	the subject lease which would entitle the	e applicant, to combige				
	N	JIIFY AZYEU UU	L ATINO				
Conditions of approval, if any, are attached		HOR TO CASING	R CHWHN				
Title 18 U S C Section 1001 and Title 43 U S C Section 1212, ma		d willfully to make to any department o	r agency of the United				
States any false, fictitious or fraudulent statements or representations a	s to any matter within its jurisdiction						

\* (Instructions on page 2)

\* Submit Revised C-102 \* Assign perforations into unfinded 7001

SEP 2 0 2011



DISTRICT 1 1625 N French Dr., Hobbs, N.M. 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

Revised October 12, 2005 Submit to Appropriate District Office

DISTRICT II 1301 W. Grand Ave. Artesia, N.M. 88210 DISTRICT III 1000 Rto Brazos Rd., Aztec, N.M. 87410

OIL CONSERVATION DIVISION 1220 South St Francis Dr. Santa Fe, NM 87505

State Lease - 4 Copies Fee Lease - 3 Copies

Form C-102

DISTRICT IV
1220 South St. Francis Dr., Santa Fe, NM 87506

☐ AMENDED REPORT

API Number   Pool Section   Pool Code   Property Nume   Vall Number	WELL LOCATION AND ACREAGE DEDICATION PLAT											
**Property Gade **  **USA **  ****OGRIP No	30-044	Number	es CU				2	<u> </u>	Pool Name	` ` ` `	201	
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WITNESS CORNER FD. 3 1/4" BC. N 88-12-10 W FD 3 1/4" BC. Certificate Number			WITN FD.	ESS CORNER 3 1/4" BC.	н а		FD 3 1/4"	BC.	Cortificata		394	





CHEVRON

Mid-Continent Business Unit Coal Bed Methane

San Juan County, New Mexico Sec 24 - T 32N - R 13W Field: La Plata API: 30-045-28854 CHEVNO; WBS:

Date:

April 3, 2008

Revised:

Prepared by: Anne Djuanda

Production Enginéers:

Anne Djuanda/

Jim Micikas 1

ahml@chevron.com

micikid@chevron.com

(281) 561-4724/

(281) 561-4860

Workover Engineer:

Cuong Truong / CT

truonch@chevron.com

(281) 561-3872

Pumper:

Nick Sherman

(970) 759-3361

STATUS: WELL WAS P&A'D IN 1994. BEFORE SI, IT PRODUCED AT 200 MSCF/D AND 300 BWPD INTO A VOL CONSTRAINED FACILITY SYSTEM IN 1993. WELL PEAKED AT 1000 MSCF/D 6 MONTHS UPON COMPLETION.

## PROJECT SCOPE: RE-ENTER P&A'D WELL, RE-COMPLETE AND RETURN TO PRODUCTION

- 1. DRILL OUT 4 CEMENT PLUGS, THROUGH PLUG MUD, AND CEMENT RETAINER
- 2. CLEAN OUT TO PBTD.
- 3. Test Casing to 3500 psi
- 4. RE PERF AND RE-FRAC BASAL COAL SECTION
- 5. Perf and Frac Upper Fruitland Coal section
- 6. LAND NEW 2-7/8" J-55 TUBING, LAND PUMP AND RODS.

#### **Procedure**

- 1. Install and test rig anchors. Record test results. Prepare workover pit Comply w/ all \nabla no (1) BLM and Chevron HES Regulations.
- 2. PUT LO/TO on well. Bleed down any pressure if present
- 3. MI and R/U rig. Conduct safety meeting w/ all personnel on location



- 4. ND Wellhead, NU cleanout spool, BOP's with 1-6" blooie line or 2-3" flow back lines to pit. Pressure test BOP's. Record test.
- 5. PU 4-3/4" bladed bit, bit sub, 6 3-1/2" slick DC, 2-3/8" WS with 5-1/2" watermelon mill RIH with working string. Tag fill. Drill out PBTD to TD @ 2150'. C/O to new TD @ ~2150'. Break circulation. Circ hole clean with 2% KCI water w/ biocide.
  - a. Watch workstring weight and note if there is significant weight change from 2020' to 2100'. Cement plug #1 (see WBD) top may not be below retainer. <u>Record</u> approx TOC plug #1 if there is significant weight change.
- 6. Pump in with water with workstring and see if any pressure buildup is seen. Record pressure build up.
  - a. If vol of water pumped circ back, then shut down and RU wireline for CBL/CCL/GR log to verify integrity of cement behind 5-1/2" liner
  - b. If vol of water pumped is not circ back, then shut down and prepare for cement operations in steps 10-12
- 7. POOH with workstring
- 8 Test casing. Record test results at each stage for BLM records.
  - a. PU RBP and set to ~2000'. Load with 2% KCl water treated with biocide and test csq to 3000#.
  - b RIH and latch on RBP and move up to 1200'. Load water and test csq.
  - c RIH and latch on RBP and move up to 400'. Load water and test csg If casing doesn't test prepare for remediation plans.
- 9. POOH with RBP and workstring

#### Cement Operations, steps 10-12 (perform ONLY if 6b is seen)

- 10. RIH 5-1/2" cement retainer on 2-3/8" workstring POOH.
- 11. PU 2-3/8" workstring w/ snap-latch setting tool and sting onto cement retainer. Start pumping cement. Watch casing pressure. Shut down cement pumps when pressure is seen.
- 12. PU 4-3/4" bladed bit, bit sub and DC's on 2-3/8" workstring Drill out cement inside 5-1/2" liner to top of cement retainer PBTD @ ~2144'. Break circulation with 2% KCl water w/ biocide
- 13. RIH with wireline 4" HEGS and perf Basal coal 8 JSPF at 90deg at 2080'-2115' POOH after 2<sup>nd</sup> run
- 14. RD wireline. MIRU frac equipment Frac Basal Coal
- 15 RU wireline and set CBP @ 2010' with 4" HEGS and perf Upper Fruitland coal 3 JSPF at 90deg @ 1970'-1982', 1871'-1876', 1860'-1863', 1632'-1634' all inclusive. RD wireline
- 16. RU 4-3/4" bit, bit sub and 3-1/2" DC on 2-3/8" WS and drill out CBP @ 2010'. C/O to PBTD at 2144' and break circulation Report any frac sand and/or coal returns.
- 17 RU wireline and Protechnics. Run Protechnics spinner survey from 1620' to 2130'.

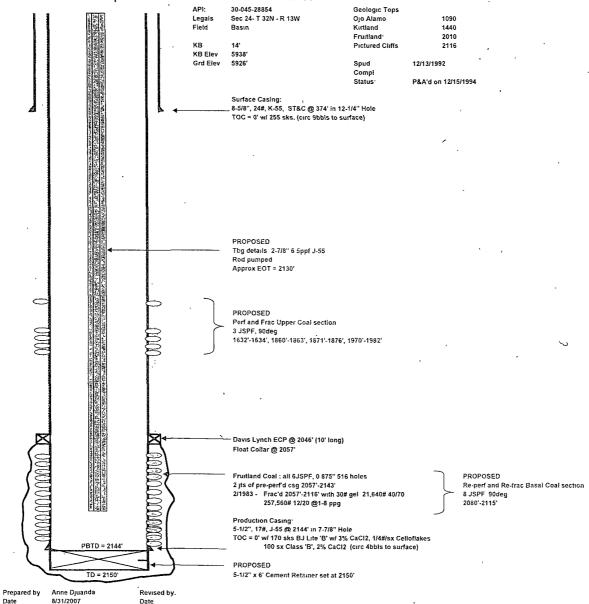


- 18. POOH. RD wireline Release same Send spinner surveys to production engineers and workover engineer listed above
- 19. POOH with 2-3/8" tubing and wireline re-entry guide.
- 20. PU Muleshoe and Seating Nipple and RIH with new 2-7/8" 6.5ppf J-55 tubing. Land well w/ EOT @  $\sim$  2130'
- 21. ND Cleanout spool, BOP, 6" blooie or 3" flow back lines. NU wellhead.
- 22. PU rods and 2" or 2-1/4" insert pump
- 23. Install new pumping unit.
- 24. Call pumper of new well conditions and notify to be on location to start up PU.
- 25. RD WO rig and MOL
- 26. Turn well to production



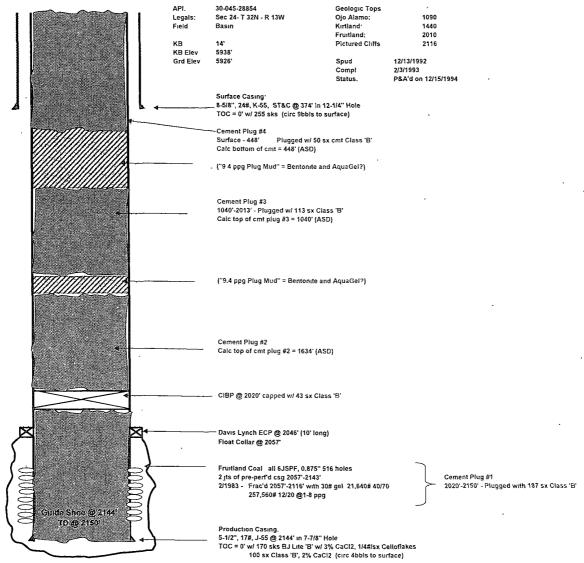
USA #5 - P&A San Juan County, New Mexico Proposed Well Schematic as of 4-1-2008

Date





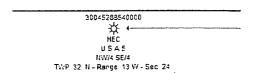
### USA #5 - P&A San Juan County, New Mexico Current Well Schematic as of 4-3-2008

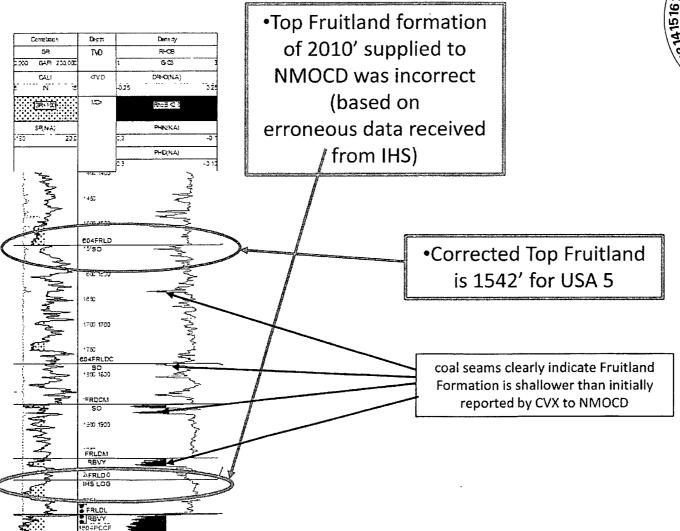


Prepared by. Anne Djuanda Date 8/31/2007

Revised by Date

Anne Djuanda 4/3/2008



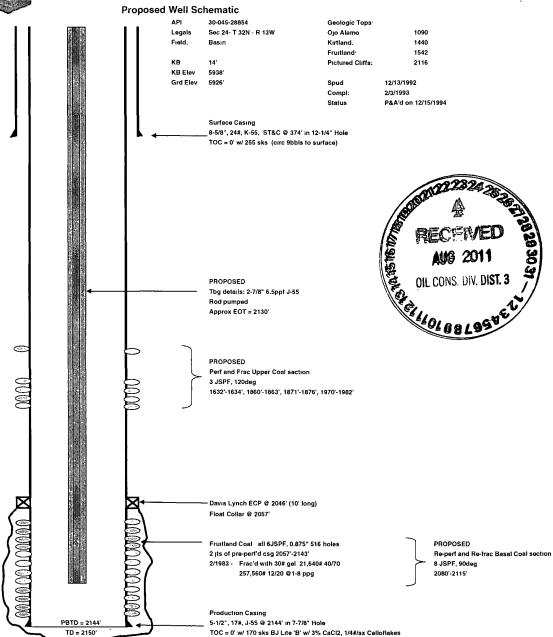








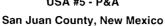
#### San Juan County, New Mexico

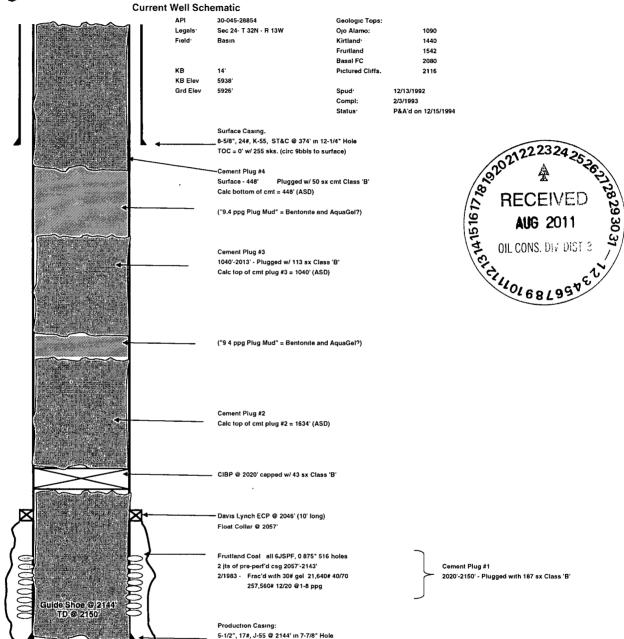


100 sx Class 'B', 2% CaCl2 (circ 4bbls to surface)



## USA #5 - P&A





TOC = 0' w/ 170 sks BJ Lite 'B' w/ 3% CaCl2, 1/4#/sx Celloflakes 100 sx Class 'B', 2% CaCl2 (circ 4bbls to surface)