

Submit 1 Copy To Appropriate District Office  
District I - (575) 393-6161  
1625 N. French Dr., Hobbs, NM 88240  
District II - (575) 748-1283  
811 S. First St., Artesia, NM 88210  
District III - (505) 334-6178  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV - (505) 476-3460  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
Revised August 1, 2011

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

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-045-06714 I-149-IND-8465
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator Four Star Gas & Oil Company		6. State Oil & Gas Lease No.
3. Address of Operator ATTN: Regulatory Specialist 332 Road 3100 Aztec, New Mexico 87410		7. Lease Name or Unit Agreement Name Charley Pah
4. Well Location Unit Letter <u>B</u> : <u>790</u> feet from the <u>North</u> line and <u>1650</u> feet from the <u>East</u> line Section <u>12</u> Township <u>27N</u> Range <u>9W</u> NMPM County <u>San Juan</u>		8. Well Number <u>2</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 5897' GL		9. OGRID Number 131994
		10. Pool name or Wildcat Blanco PC South

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
DOWNHOLE COMMINGLE ☐

OTHER: Submit annual water tests from Bradenhead to record water quality ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐

OTHER: ☐

OIL CONS. DIV DIST. 3

MAR 08 2013

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Four Star Gas & Oil Company respectfully submits this Form C-103 in to comply with the verbal agreement to monitor the water quality of the Bradenhead flow of potable water. As displayed by the attached water tests, the water is potable and does not constitute a danger to the fresh water strata. Also attached is the well bore diagram of the well.

Four Star Gas & Oil Company met with the NMOCD District Supervisor and agreed to submit annual water tests from both the production stream and the Bradenhead to ensure isolation. If tests show any change the NMOCD will be contacted to discuss the next steps.

The Bradenhead test history for the Charley Pah 2 showed 25 psi in 2003, a test was performed in 2006 but no pressure was recorded on the form. The 2009 test cannot be located. The 2012 test showed 23 psi, indicating no change in conditions.

Spud Date: 05/29/1954 Rig Release Date:

\*Test again in 6 months

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE April E Pohl TITLE Regulatory Specialist DATE March 6, 2013

Type or print name April E. Pohl E-mail address: April.Pohl@chevron.com PHONE: 505-333-1941

For State Use Only

APPROVED BY: Red Ball TITLE Deputy Oil & Gas Inspector, District #3 DATE 3/13/13  
Conditions of Approval (if any): AY



NEW MEXICO ENERGY, MINERALS  
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION  
AZTEC DISTRICT OFFICE  
1000 RIO BRAZOS ROAD  
AZTEC NM 87410  
(505) 334-6178 FAX: (505) 334-6170  
<http://emord.state.nm.us/ocd/District%203/district.htm>

BRADENHEAD TEST REPORT

(submit 1 copy to above address)

Date of Test 9-4-12 Operator Fouzia Roizaldesi API # 30-045-06714

Property Name Charley Park Well No 2 Location: Unit    Section 12 Township 27 Range 9

Well Status (Shut-In or Producing) Initial PSI: Tubing 88.1 Intermediate 71.2 Casing 313 Bradenhead 23.1

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

Testing	PRESSURE			INTERM	
	BH	Int	Csg	Int	Csg
TIME					
5 min	Trickle	1 1/2	54.6		
10 min	Trickle		55.1		
15 min	Drips		56.7		
20 min	Drip		56.8		
25 min	Drip		56.8		
30 min					

FLOW CHARACTERISTICS	
BRADENHEAD	INTERMEDIATE
Steady Flow <u>X</u>	
Surges <u>  </u>	(H) Cons. Div District (H)
Down to Nothing <u>  </u>	
Nothing <u>  </u>	OCT 24 2012
Gas <u>  </u>	
Gas & Water <u>  </u>	
Water <u>X</u> Trickle	

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

CLEAR X FRESH    SALTY    SULFUR    BLACK   

5 MINUTE SHUT-IN PRESSURE BRADENHEAD 0.6 INTERMEDIATE X

REMARKS:

Upon opening, blow down to 0 psi 3 sec, flowed water at a Trickle Trickle for  
12 min then just dripping. Recover approx 1 1/2 gal in 30 min  
Water sample pulled from B-H and production

By Randy Caldeira  
Caldeira source  
(Position)

Witness   

E-mail address Randy.Caldeira@source.com



# BAKER HUGHES

## Farmington District Lab

### Water Analysis Report

Test # 2099

#### Customer/Well Information

Company: Chevron Date: 9/17/2012  
 Well Name: Various Prepared for:  
 Location: Submitted by: Allen Eaker  
 State: County, New Mexico Prepared by: Daniel Capehart  
 Formation: Water Type: Produced  
 Depth: Tank #: CharlesPah2 Bradenhead

#### Background Information

Reason for Testing: \_\_\_\_\_  
 Completion type: \_\_\_\_\_  
 Well History: \_\_\_\_\_  
 Comments: \_\_\_\_\_

#### Sample Characteristics

Sample Temp: 78 (°F) Viscosity: 1 cp  
 pH: 6.00 Color: Clear  
 Specific Gravity: 1.001 Odor: None  
 S.G. (Corrected): 1.005 @ 60 °F Turbidity: Clear  
 Resistivity (Calc): 1.53 Ω-m Filtrates: None

#### Sample Composition

##### CATIONS

	mg/l	me/l	ppm
Sodium (calc.)	891	38.7	890
Calcium	76	3.8	76
Magnesium	2	0.2	2
Barium	0	0.0	0
Potassium	100	2.6	100
Iron	0.00	0.0	0.00

##### ANIONS

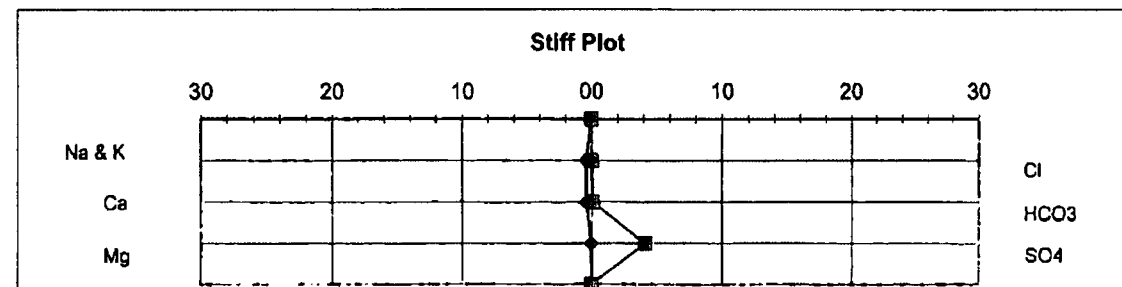
Chloride	100	2.8	100
Sulfate	2000	41.6	1998
Hydroxide	0	0.0	0
Carbonate	< 1	----	----
Bicarbonate	61	1.0	61

##### SUMMARY

Total Dissolved Solids(calc.)	3130		3127
Total Hardness as CaCO3	200	4.0	200

#### Scaling Tendencies

CaCO3 Factor 4647.59 Calcium Carbonate Scale Probability → REMOTE  
 CaSO4 Factor 152380 Calcium Sulfate Scale Probability → REMOTE





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Company: Chevron Date: 9/17/2012  
 Well Name: Various Prepared for:  
 Location: Submitted by: Allen Eaker  
 State: County, New Mexico Prepared by: Daniel Capehart  
 Formation: Water Type: Produced  
 Depth: Tank #: CharlesPah2 Produced

#### Background Information

Reason for Testing: \_\_\_\_\_  
 Completion type: \_\_\_\_\_  
 Well History: \_\_\_\_\_  
 Comments: \_\_\_\_\_

#### Sample Characteristics

Sample Temp: 78 (°F) Viscosity: 1 cp  
 pH: 6.00 Color: Clear  
 Specific Gravity: 1.006 Odor: None  
 S.G. (Corrected): 1.010 @ 60 °F Turbidity: Clear  
 Resistivity (Calc): 0.55 Ω-m Filtrates: None

#### Sample Composition

##### CATIONS

	mg/l	me/l	ppm
Sodium (calc.)	2841	123.6	2824
Calcium	401	20.0	399
Magnesium	< .5	----	----
Barium	0	0.0	0
Potassium	0	0.0	0
Iron	0.00	0.0	0.00

##### ANIONS

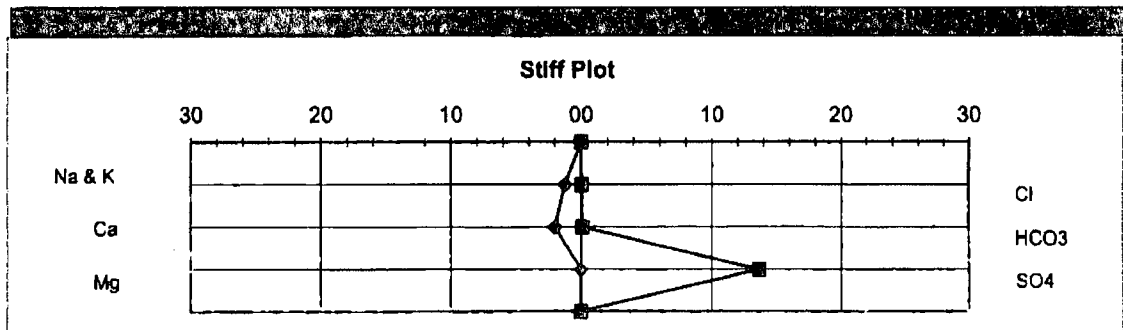
Chloride	200	5.6	199
Sulfate	6600	137.4	6561
Hydroxide	0	0.0	0
Carbonate	< 1	----	----
Bicarbonate	61	1.0	61

##### SUMMARY

Total Dissolved Solids(calc.)	10103		10042
Total Hardness as CaCO3	1001	20.0	995

#### Scaling Tendencies

CaCO3 Factor 24461 Calcium Carbonate Scale Probability --> REMOTE  
 CaSO4 Factor 2646600 Calcium Sulfate Scale Probability ----> REMOTE



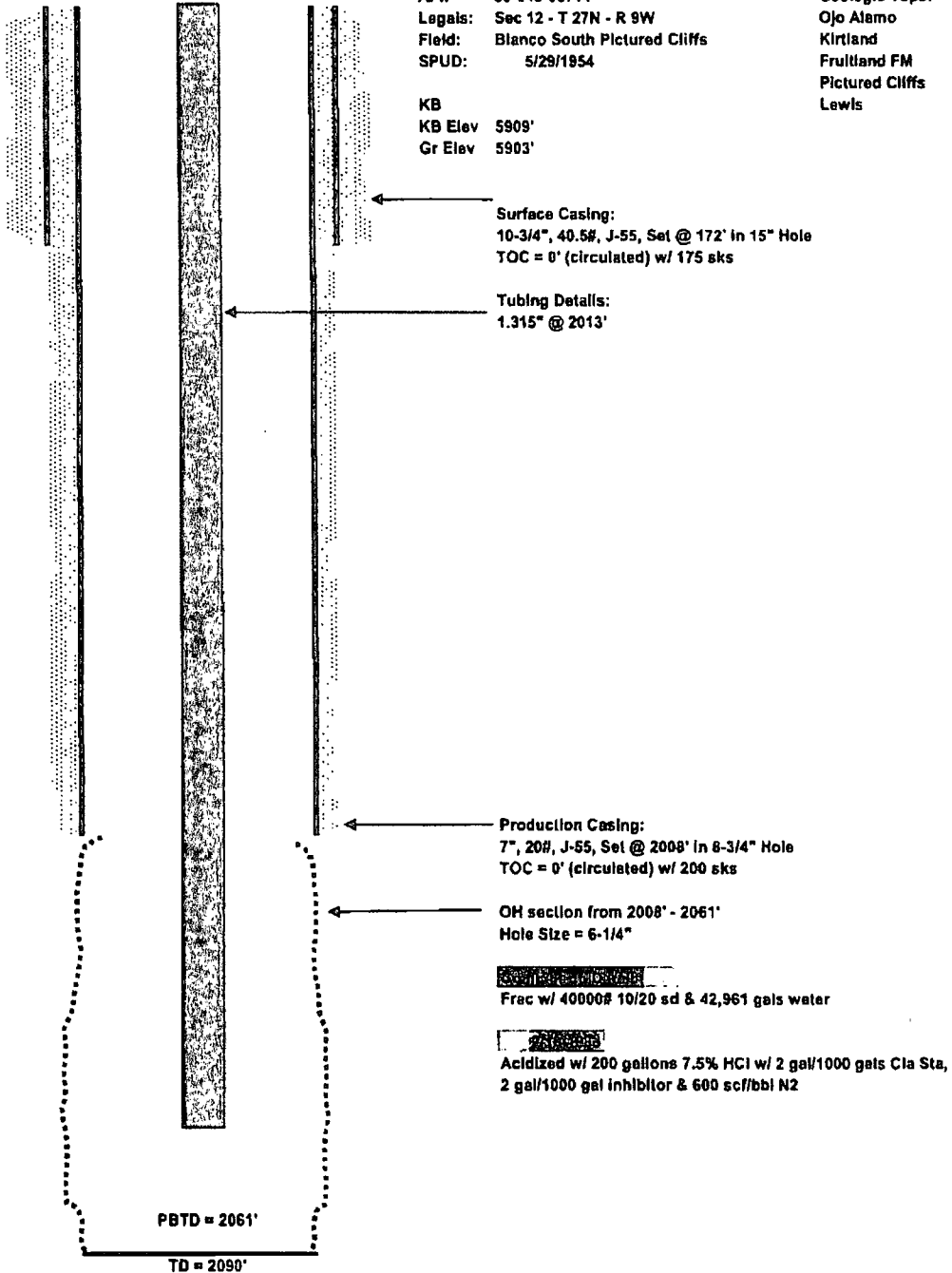


**Charley Pah 2**  
**San Juan, New Mexico**  
**Current Well Schematic as of 6-7-10**

API: 30-045-06714  
Legals: Sec 12 - T 27N - R 9W  
Field: Blanco South Pictured Cliffs  
SPUD: 5/29/1954

KB  
KB Elev 5909'  
Gr Elev 5903'

Geologic Tops:  
Ojo Alamo 1151  
Kirtland 1772  
Fruitland FM 1772  
Pictured Cliffs 2005  
Lewis 2071



Prepared by: Jarrod Sparks  
Date: 6/7/2010

Revised by:  
Date: