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

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

Form C-103
Revised August 1, 2011

WELL API NO.
30-045-06545 I-149-IND-8466

5. Indicate Type of Lease
STATE ☐ FEE ☐

6. State Oil & Gas Lease No.

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.)

7. Lease Name or Unit Agreement Name
John Charles

1. Type of Well: Oil Well ☐ Gas Well ☒ Other

8. Well Number 6

2. Name of Operator Four Star Gas & Oil Company

9. OGRID Number 131994

3. Address of Operator
ATTN: Regulatory Specialist 332 Road 3100 Aztec, New Mexico 87410

10. Pool name or Wildcat
Blanco Mesaverde

4. Well Location
Unit Letter A : 895 feet from the North line and 1030 feet from the East line
Section 13 Township 27N Range 9W NMPM County San Juan

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
5986' GL

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
OTHER: Submit annual water tests from Bradenhead to record water quality ☒		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 John Charles 6 showed 16 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 21 psi, indicating very slight change in conditions.

Spud Date: 05/01/1959 Rig Release Date:

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: [signature] TITLE Deputy Oil & Gas Inspector, District #3 DATE 3/13/13

Conditions of Approval (if any):

AV

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://emnrd.state.nm.us/ocd/District III/3district.htm

BRADENHEAD TEST REPORT

(submit 1 copy to above address)

Date of Test ~~8-31-12~~ 8-31-12 Operator Four Star Oil Gas API #30-045-06545

Property Name John Charles Well No 6 Location: Unit ___ Section 13 Township 27N Range 9W

Well Status (Shut-In or Producing) Initial PSI: Tubing 11.2 Intermediate X Casing 362 Bradenhead 21.4

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

PRESSURE

Testing	Bradenhead		INTERM	
	BH	Int	Csg	Int	Csg
TIME					
5 min	Gas/Air Water		36.9		
10 min	Trickle		37.4		
15 min	Trickle		37.8		
20 min	Trickle		38.6		
25 min	Trickle		39.2		
30 min	Trickle		39.4		

FLOW CHARACTERISTICS

	BRADENHEAD	INTERMEDIATE
Steady Flow	X water trickle	
Surges		
Down to Nothing		
Nothing		
Gas		
Gas & Water		
Water	X	

Oil Cons. Div. Dist. III OCT 24 '12

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

CLEAR X FRESH ___ SALTY ___ SULFUR ___ BLACK ___ Oily X AT First

5 MINUTE SHUT-IN PRESSURE BRADENHEAD 20.9 INTERMEDIATE N/A

REMARKS: Oily AT first open flow Small in 6.0 Min, Flow Trickle of water for 30 min Recover Approx 20 gal Sample Taken at Bradenhead at Start and after 20 min and at production

By Randy Calcote Witness ___

Calder Service
(Position)

E-mail address Randy.c@calderservices.com

1111

BAKER HUGHES

Farmington District Lab
Water Analysis Report

Test # 2099

Customer/Well Information

Company:	Chevron	**Date:**	9/14/2012
Well Name:		**Prepared for:**	
Location:		**Submitted by:**	Allen Eaker
State:	County, New Mexico	**Prepared by:**	Dave Rasmussen
Formation:		**Water Type:**	
Depth:		**Tank # :**	**JohnCharles6 BradenHead**

Background Information

Reason for Testing:
Completion type:
Well History:
Comments: 1st Opening

Sample Characteristics

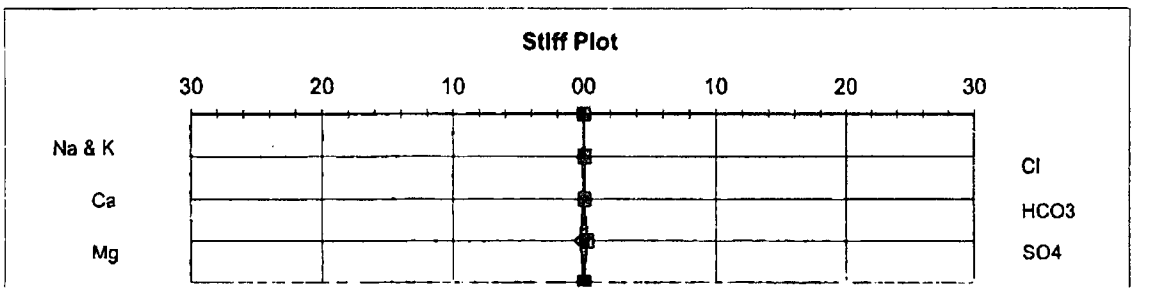
Sample Temp:	**73 (°F)**	**Viscosity:**	1 cp
pH:	**9.64**	**Color:**	Clear
Specific Gravity:	**1.000**	**Odor:**	None
S.G. (Corrected):	**1.003 @ 60 °F**	**Turbidity:**	Clear
Resistivity (Calc):	**5.02 Ω-m**	**Filtrates:**	None

Sample Composition

		mg/l	me/l	ppm
CATIONS				
	Sodium (calc.)	**157**	**6.8**	**157**
	Calcium	**8**	**0.4**	**8**
	Magnesium	**32**	**2.6**	**32**
	Barium	**0**	**0.0**	**0**
	Potassium	**0**	**0.0**	**0**
	Iron	**0.00**	**0.0**	**0.00**
ANIONS				
	Chloride	**200**	**5.6**	**200**
	Sulfate	**120**	**2.5**	**120**
	Hydroxide	**0**	**0.0**	**0**
	Carbonate	**33**	**1.1**	**33**
	Bicarbonate	**37**	**0.6**	**37**
SUMMARY				
	Total Dissolved Solids(calc.)	**553**		**553**
	Total Hardness as CaCO3	**150**	**3.0**	**150**

Scaling Tendencies

CaCO3 Factor	293.532	Calcium Carbonate Scale Probability --> REMOTE
CaSO4 Factor	962.4	Calcium Sulfate Scale Probability ------> REMOTE



BAKER HUGHES

Farmington District Lab
Water Analysis Report

Test # 2099

Customer/Well Information

Company:	Chevron	**Date:**	9/14/2012
Well Name:		**Prepared for:**	
Location:		**Submitted by:**	Allen Eaker
State:	County, New Mexico	**Prepared by:**	Dave Rasmussen
Formation:		**Water Type:**	
Depth:		**Tank # :**	**JohnCharles6 Production**

Background Information

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

Sample Characteristics

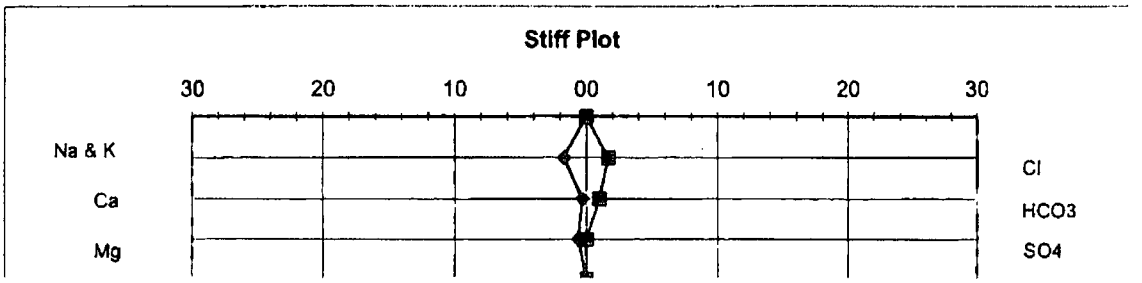
Sample Temp:	**70 (°F)**	**Viscosity:**	1 cp
pH:	**7.35**	**Color:**	Clear
Specific Gravity:	**1.007**	**Odor:**	None
S.G. (Corrected):	**1.009 @ 60 °F**	**Turbidity:**	Clear
Resistivity (Calc):	**0.61 Ω-m**	**Filtrates:**	None

Sample Composition

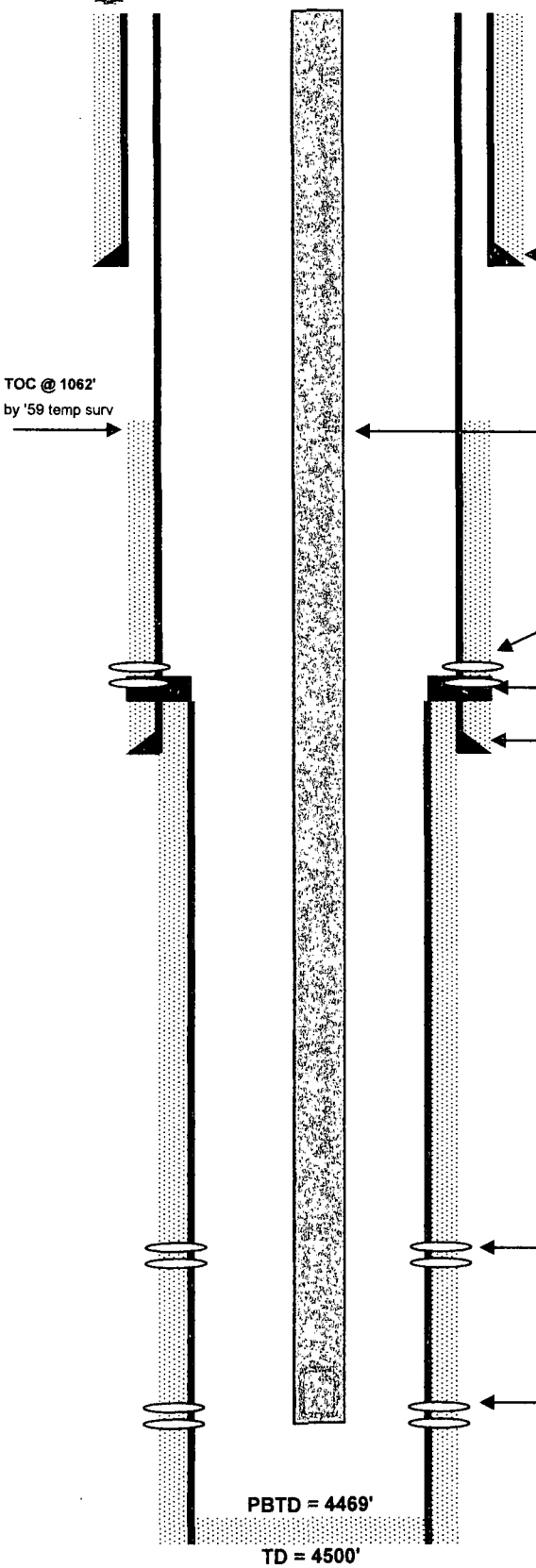
		mg/l	me/l	ppm
CATIONS				
	Sodium (calc.)	3890	**169.2**	3863
	Calcium	64	**3.2**	64
	Magnesium	**78**	6.4	77
	Barium	0	0.0	**0**
	Potassium	**0**	**0.0**	0
	Iron	**0.00**	0.0	0.00
ANIONS				
	Chloride	6000	**169.3**	5958
	Sulfate	**0**	0.0	0
	Hydroxide	**0**	0.0	0
	Carbonate	**< 1**	----	----
	Bicarbonate	622	**10.2**	**618**
SUMMARY				
	Total Dissolved Solids(calc.)	10654		10580
	Total Hardness as CaCO3	480	**9.6**	477

Scaling Tendencies

CaCO3 Factor	39920.35	Calcium Carbonate Scale Probability --> REMOTE
CaSO4 Factor	0	Calcium Sulfate Scale Probability ------> REMOTE



John Charles 6
San Juan County, New Mexico
Current Well Schematic as of May 11, 2010



API: 30-045-06545
Legals: Sec. 23, T27N, R9W
Field:

KB 12' Spud Date: 5/1/59
KB Elev 5988' Compl Date: 5/23/59
GR Elev 5976' Spacing

Formations	Top
Pictured Cliffs	2096
Mesa Verde	3620
Pt Lookout	4282

Surface Casing:
10 3/4" 32.75# H-40 @ 174'
200 sx 2% CaCl
cmt circ to surf

currently on PL

Tubing (1994):
2 3/8", 139 jts @ 4436'
4' perf sub, pinned collar, SN

Previous (1959):
2 3/8", 139 jts @ 4426'
4' perf sub, pinned collar

sqze top of liner @ 2227' w/50 sx reg (1959)
sqze top of liner @ 2227' w/50 sx reg and 50 sx 4% gel and 2% CaCl (1959)

5 1/2" 14# J-55 liner @ 2227-4498'
250 sx cmt, 50% pozmix w/1/4# flocele/sk
top of Brown Oil Tool type C liner hanger @ 2227'

Production Casing:
7 5/8" 26.4# H-40 @ 2305'
200 sx reg cmt 4% gel

Menefee: 4 Lane Wells tpe E bullets per foot, 56', 224 holes
3930-48, 3954-59, 4022-33, 4167-80, 4212-17, 4249-53
frac: 50 k# 20/40, 32,876 gal wtr, 8,694 gal wtr, 63.6 bpm

acid (5/12/94): 600 gal 15% HCl down annulus to clean scale from tbg ext

Point Lookout: 4 Lane Wells type E bullets per foot, 79', 316 holes
4300-10, 4318-22, 4328-53, 4360-82, 4385-93, 4397-4409,
4417-21, 4440-44'
frac: 50 k# 20/40, 51,114 gal wtr, 8,946 gal wtr flush, 67.4 bpm

Prepared by: Jason Chow Revised by:
Date: 5/11/2010 Date:

BAKER HUGHES

Farmington District Lab
Water Analysis Report

Test # 2099

Customer/Well Information

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Location:		**Submitted by:**	Allen Eaker
State:	County, New Mexico	**Prepared by:**	Dave Rasmussen
Formation:		**Water Type:**	
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Background Information

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Completion type:
Well History:
Comments: 1st Opening

Sample Characteristics

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pH:	**9.64**	**Color:**	Clear
Specific Gravity:	**1.000**	**Odor:**	None
S.G. (Corrected):	**1.003 @ 60 °F**	**Turbidity:**	Clear
Resistivity (Calc):	**5.02 Ω-m**	**Filtrates:**	None

Sample Composition

CATIONS

	mg/l	me/l	ppm
Sodium (calc.)	**157**	**6.8**	**157**
Calcium	**8**	**0.4**	**8**
Magnesium	**32**	**2.6**	**32**
Barium	**0**	**0.0**	**0**
Potassium	**0**	**0.0**	**0**
Iron	**0.00**	**0.0**	**0.00**

ANIONS

Chloride	**200**	**5.6**	**200**
Sulfate	**120**	**2.5**	**120**
Hydroxide	**0**	**0.0**	**0**
Carbonate	**33**	**1.1**	**33**
Bicarbonate	**37**	**0.6**	**37**

SUMMARY

Total Dissolved Solids(calc.)	**553**		**553**
Total Hardness as CaCO3	**150**	**3.0**	**150**

Scaling Tendencies

CaCO3 Factor	293.532	Calcium Carbonate Scale Probability --> REMOTE
CaSO4 Factor	962.4	Calcium Sulfate Scale Probability ------> REMOTE