

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

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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) 1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		WELL API NO. 30-039-21068
2. Name of Operator FOUR STAR OIL & GAS COMPANY		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> Jicarilla Tribal
3. Address of Operator P.O. Box 730, Aztec, NM 87410 Attn: Regulatory Specialist		6. State Oil & Gas Lease No.
4. Well Location Unit Letter E: <u>800</u> feet from the <u>West</u> line and <u>1735</u> feet from the <u>North</u> line Section <u>33</u> Township <u>25 North</u> Range <u>5 West</u> NMPM Rio Arriba County		7. Lease Name or Unit Agreement Name Jicarilla C
11. Elevation (Show whether DR, RKB, RT, GR, etc) 6689 Ground Level		8. Well Number No. 27
9. OGRID Number 131994		10. Pool name or Wildcat Otero Gallup/Basin Dakota

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

<b>NOTICE OF INTENTION TO:</b> PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/> DOWNHOLE COMMINGLE <input checked="" type="checkbox"/>		<b>SUBSEQUENT REPORT OF:</b> REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input type="checkbox"/> CASING/CEMENT JOB <input type="checkbox"/>	
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

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.

See Attachment I, attached hereto and made a part hereof.



*Req BLM NOI Approval (future DHC submission)*

Spud Date:

Rig Release Date:

*DHC 3661AZ*

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

SIGNATURE *James Micikas* TITLE Production Engineer DATE 10-6-2011

Type or print name JAMES MICIKAS E-mail address: MICIKJD@chevron.com PHONE: (505) 333-1920

**For State Use Only**

APPROVED BY: *Christina* TITLE \_\_\_\_\_ DATE \_\_\_\_\_

Conditions of Approval (if any):

*A*

District I  
1625 N French Dr., Hobbs, NM 88210  
Phone (575) 393-6161 Fax (575) 393-0720  
District II  
811 S First St., Artesia, NM 88210  
Phone (575) 748-1283 Fax (575) 748-9720  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone (505) 334-6178 Fax (505) 314-6170  
District IV  
1220 S. St. Francis Dr. Santa Fe, NM 87505  
Phone (505) 476-1460 Fax (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-039-21068		2 Pool Code 71599 Basin Dakota/48450 Otero Gallup		3 Pool Name Basin Dakota/Otero Gallup	
4 Property Code 17690		5 Property Name Jicarilla C			6 Well Number No. 27
7 OGRID No 131994		8 Operator Name Four Star Oil & Gas Company			9 Elevation 6689 ground elev

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	33	25 North	5 West		1735 ft	North	800 ft	West	Rio Arriba

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres 320.00 N/2		13 Joint or Infill Joint		14 Consolidation Code Basin Dakota/Otero Gallup		15 Order No R-11363 Case 12346			

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division

16 1735' ▶  800	Four Star Oil & Gas Company Existing Jicarilla C No. 27 Well Based on original Jan 1975 survey by James P. Leese, Professional Engineer & Land	17 OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and correct to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or as a voluntary pooling agreement or a compulsory pooling pool therefore entered by the division.</i>  Signature: <i>James Meikas</i> Date: <i>10-11-11</i> Printed Name: James Meikas E-mail Address: MICIKJA@CHEVRON.COM	
		18 SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i>  Date of Survey: Signature and Seal of Professional Surveyor:  Certificate Number:	



## **Jicarilla 27 Supplemental Data for C-103**

### **Well History**

This well was drilled in 1975 and completed in the Dakota only. Four Star Oil and Gas proposes to add a Gallup completion and seeks approval to downhole commingle the Dakota. On current spacing and with the economic limitations in drilling a stand-alone Gallup well, this is the most economic method of capturing the Gallup reserves. By running artificial lift (pumping unit) will prevent downhole problems between these two zones.

### **Production History**

The current production is 10 mcfpd from the Dakota with very little oil and water; cumulatively, the zones produce less than 0.3 bbl/day of fluids. An estimated initial rate for the Gallup completion is 42 mcfpd and 15 bopd. This estimate is based on IP's and production from surrounding wells in offset sections. See attached graphs and table for supporting data.

### **Allocation of Production**

Four Star Oil & Gas proposes to use an allocation based on the subtraction method. A baseline of production and decline will be established from the existing production data. The incremental production added after the Gallup completion will be used to determine an appropriate allocation factor for the new zone. See the attached historical production curves for the existing Dakota producing zones.

### **Working Interest and Royalty**

Four Star Oil & Gas own 100% working interest in all formations in this area including Gallup and Dakota. There is no uncommon interest case for these two zones.

Overall, the approval of this downhole commingle with pumping artificial lift will ensure the best way to recover marginal remaining reserves in the life of the Jicarilla C27 well. By doing so, this would protect the correlative rights and eliminate waste.

**Jicarilla C No. 27 Unit E Sec. 33 T25N/R05W Rio Arriba County, New Mexico**

OGRID No. 131994 Property Code 17690 API No. 30-039-21068

Lease Type: Tribal - Jicarilla Federal

<b>DATA ELEMENT</b>	<b>UPPER ZONE</b>	<b>INTERMEDIATE ZONE</b>	<b>LOWER ZONE</b>
Pool Name	Otero Gallup		Basin Dakota
Pool Code	48450		71599
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	Estimated gross interval to be perfed 6012'-6332' (TVD)		Perfed Interval 6983'-7046' (TVD)
Method of Production (Flowing or Artificial Lift)	Artificial Lift (Proposed Pumping Unit)		Flowing
Bottomhole Pressure (Note Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)	Within depth		Within depth
Oil Gravity or Gas BTU (Degree API or Gas BTU)	To be determined		1131
Producing, Shut-In or New Zone	New Zone		Producing
Date and Oil/Gas/Water Rates of Last Production. (Note For new zones with no production history, applicant shall be required to attach production estimates and supporting data )	Date: est. recompleted 11/2011  Rates: 15 BO / 42 MCF / 1 BW		Date: spud 03/1975  Rates: 0 BO/ 10 MCF / 0.1BW
Fixed Allocation Percentage (Note If allocation is based upon something other than current or past production, supporting data or explanation will be required )	Oil                      Gas  100 %              81 %		Oil              Gas  0 %              19 %



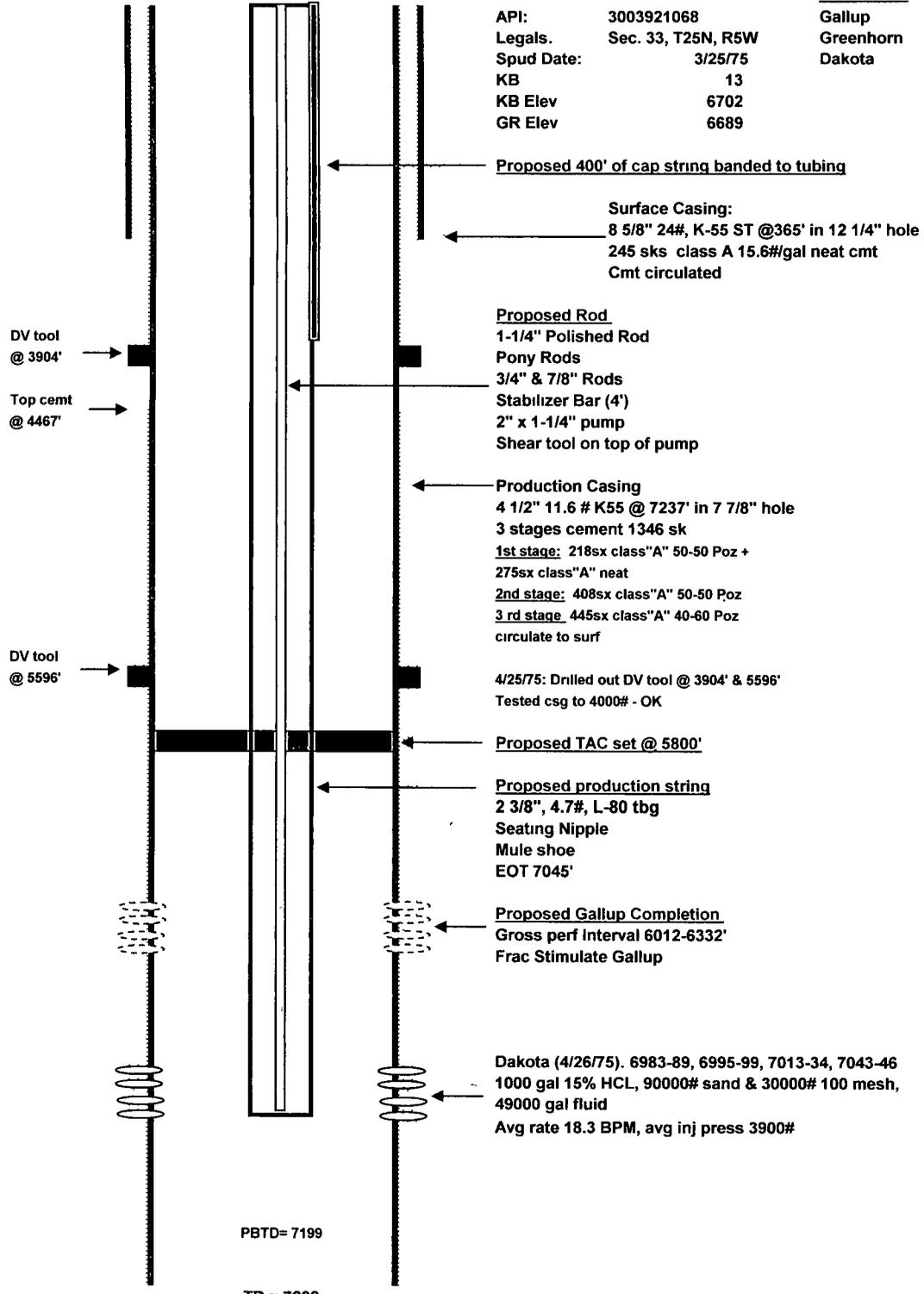
# Jicarilla C27

## Rio Arriba County, New Mexico

### Proposed Well Schematic

Formations	Top
Gallup	5994
Greenhorn	6776
Dakota	6881

API: 3003921068  
 Legals. Sec. 33, T25N, R5W  
 Spud Date: 3/25/75  
 KB 13  
 KB Elev 6702  
 GR Elev 6689





# Jicarilla C27

## Rio Arriba County, New Mexico

### Current Well Schematic

Formations	Top
Gallup	5994
Greenhorn	6776
Dakota	6881

API: 3003921068  
 Legals: Sec. 33, T25N, R5W  
 Spud Date: 3/25/75  
 KB 13  
 KB Elev 6702  
 GR Elev 6689

Surface Casing.  
 8 5/8" 24#, K-55 ST @365' in 12 1/4" hole  
 245 sks class A 15.6#/gal neat cmt  
 Cmt circulated

DV tool @ 3904'  
 Top cement @ 4467'

Production Casing  
 4 1/2" 11.6 # K55 @ 7237' in 7 7/8" hole  
 3 stages cement 1346 sk  
1st stage: 218sx class"A" 50-50 Poz +  
 275sx class"A" neat  
2nd stage: 408sx class"A" 50-50 Poz  
3rd stage: 445sx class"A" 40-60 Poz  
 circulate to surf

DV tool @ 5596'

4/25/75: Drilled out DV tool @ 3904' & 5596'  
 Tested csg to 4000# - OK

Packer @ 6975'  
 Guiberson 4 1/2 x 2 3/8 UNI VI

224 jts, 2 3/8" EUE 8RD Tubing @ 7045'

Dakota (4/26/75): 6983-89, 6995-99, 7013-34, 7043-46  
 1000 gal 15% HCL, 90000# sand & 30000# 100 mesh,  
 49000 gal fluid  
 Avg rate 18.3 BPM, avg inj press 3900#

PBTD= 7199

TD = 7238

