

UNITED STATES
DEPARTMENT OF INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APR 15 2009

FORM APPROVED
Budget Bureau No 1004-0135
Expires March 31, 1993

SUNDRY NOTICE AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION TO DRILL" for permit for such proposals

SUBMIT IN TRIPLICATE		5	Lease Designation and Serial No. Jicarilla Apache Contract #92
		6.	If Indian, Allottee or Tribe Name Jicarilla Apache Nation
		7	If Unit or CA, Agreement Designation
1	Type of Well Oil Well Gas Well X Other	8	Well Name and No Jicarilla 92 #2B
2.	Name of Operator WILLIAMS PRODUCTION COMPANY	9	API Well No. 30-039-29935
3	Address and Telephone No. PO BOX 640 Aztec, NM 87410-0640	10	Field and Pool, or Exploratory Area Blanco MV/
4	Location of Well (Footage, Sec , T , R., M , or Survey Description) 1980' FSL & 660' FWL SEC 29, T27N, R3W	11	County or Parish, State Rio Arriba, NM

CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
KR <input checked="" type="checkbox"/> Notice of Intent	Abandonment
<input type="checkbox"/> Subsequent Report	Recompletion
<input type="checkbox"/> Final Abandonment	Plugging Back
	Casing Repair
	Altering Casing
	X Other <u>Squeeze Job</u>
	Change of Plans
	New Construction
	Non-Routine Fracturing
	Water Shut-Off
	Conversion to Injection
	Dispose Water
	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form)

13 Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)*

Williams Production plans to go back to the above well and resqueeze the 7-5/8" casing on this well per attached procedure.

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

RCVD APR 20 '09

OIL CONS. DIV.

DIST. 3

14 I hereby certify that the foregoing is true and correct

Signed

Larry Higgins
Larry Higgins

Title Regulatory Specialist

Date 4-15-09

(This space for Federal or State office use)

Approved by

Wayne Townsend
Conditions of approval, if any.

Title

Pet. Eng.

Date

4/16/09



Exploration & Production
COMPLETION PROGNOSIS
 Squeeze Procedure
 4150' to 2300'

<u>WELL NAME:</u> Jicarilla 92 #2B <u>LOCATION Surface:</u> 1980' FSL, 660' FWL SEC. 29-T27N-R3W Rio Arriba, NM <u>LOCATION Btm Hole:</u> 1980' FSL, 660' FWL SEC. 29-T27N-R3W Rio Arriba, NM <u>ELEVATION:</u> 7,209' GR <u>DRILLER KB:</u> 14.5' AGL <u>DRILLER TD:</u> 6,600' <u>PROD CSG Set at:</u> 6,576' <u>FLOAT COLLAR:</u> 6,528' <u>DV STAGE TOOL:</u> 3,864' <u>DRILL RIG:</u> AWS 124 <u>DRILL CNSLTNT:</u> G. Gathings/W. Mock <u>DRILL SPUD/FIN:</u> 1/16/09-2/01/09	<u>DATE:</u> 4/15/2009 <u>FIELD:</u> Blanco MV <u>API NUMBER:</u> 30-039-29935 <u>SURFACE:</u> Jicarilla Apache <u>MINERALS:</u> Fed / cont 92 <u>AFE NUMBER:</u> WT2333 <u>AMOUNT:</u> \$1,113,532 <u>DCT:</u> \$783,088 <u>OGRE ID:</u> 5697 <u>ORACLE ID:</u> 62050570 <u>PROD TEAM LEAD:</u> Matt Lane <u>PROD TECH:</u> Tommy Clements <u>INV RTG CODE:</u> NXEKK334711
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CASING RECORD:

TYPE	SIZE	WT	GRADE	THRD	SET AT	TOL	OH SIZE	TOC
Surface	10.75	40.5	K-55	ST&C	334		14.75	surface
Production	7 5/8	26.4	J-55	LT&C	0 - 5466			
Production	7 5/8	29.7	P-110	LT&C	5466-6576		9 7/8	TBD

WIRELINE LOGS: Weatherford – MDN/MPD & MAI/MFE (1-29-09)

FORMATION TOPS:

Ojo Alamo	3,542	Cliffhouse Trans	
Kirtland	3,698	Cliff House	5,690
Fruitland	3,738	Menefee	5,812
Picture Cliffs	3,994	Point Lookout	6,106
Lewis	4,216	Mancos	6,452
Huerfanito	4,501	TD (Logger)	6,600

Jicarilla 92 #2B Completion Plan 4150' – 2300' Interval Squeeze Procedure

PROJECT OBJECTIVE:

Place cement behind the 7 5/8" casing from ^{4234'}4150' to a minimum of 2300' to allow for proper isolation of the Nacimiento through the Pictured Cliffs.

Exceptions are the critical items noted next.

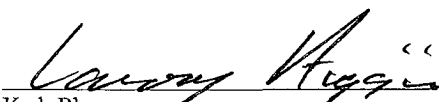
CRITICAL ITEM DISCUSSION:

Normally a 7" intermediate string is run to the Lewis shale and then a 4 1/2" production liner through the Mesaverde. In this well a 7 5/8" intermediate string was run through the Mesaverde and a DV cementing stage tool was used. Neither cement stage circulated during cementing. Note the mixed string wt and grade of 7 5/8" casing (J-55&P-110).

The DV tool was drilled out and a CBL run to the surface. The top of cement was found to be at about 6260'. The Mesaverde was squeezed leaving the top of cement at 5350'. The Mesaverde has been completed and it is now necessary to place cement from 4100' to at least 2300' (higher if possible).

A. SQUEEZE PROCEDURE:

1. MIRUCU. NDWH. NU BOPE, & 2 7/8 handling tools. RU pump and recirculating pit. RU Air package. Use the 2 7/8" tubing in the well for a work string. TOOH w/tbg standing in Derrick.
2. RU wireline truck and set CIBP at ^{4200'}4200'. Load hole w/fresh or produced water and pressure test casing to 1500 psi for 30 minutes.
3. Open Bradenhead valve between surface casing and 7 5/8" casing. Perforate 7 5/8" casing at ^{4234'}4160' with 3 holes phased 120 degrees apart with 1000 psi on casing. Note if casing pressure goes to zero. Note if any response on Bradenhead valve.
4. Pump down casing with water and establish rate and pressure. Attempt to circulate water to surface via Bradenhead valve.
5. Discuss results with Engineer to determine type and volume of cement to use. If circulation is established to surface, then it is intended to try to circulate cement to surface. (See attached Halliburton cementing proposal)
6. PU cement retainer, run in hole on tubing, and set at approximately 4080'.
7. Apply at least 500 psi to annulus.
8. Pump cement (to be determined) down tubing to within 1/4 Bbl of end of tubing. Sting out of retainer, reverse circulate tubing clean, and TOOH.
9. If it appears that cement was raised, then run CBL. Discuss results with engineer.
10. If cement did not reach 2300', then block squeeze at 2400' trying to circulate cement to surface again if possible.
11. Perforate 2nd squeeze holes at 2400' (3 shots phased 120 degrees).
12. Pump into squeeze perfs and establish rate and pressure. Look for circulation at surface. If it is believed that cement can be raised a significant distance, then consult with Halliburton Engineer for a light weight lead slurry and volume.
13. PU cement retainer, run in hole on tubing, and set at approximately 2330'. Pressure annulus to 500 psi.
14. Pump cement (to be determined) down tubing to within 1/4 Bbl of end of tubing. Sting out of retainer, reverse circulate tubing clean, and TOOH.
15. If it appears that cement was raised, then run CBL. Discuss results with engineer.
16. PU 6 3/4" bit and TIH. Drill retainers and cement to CIBP at 4200' and TOOH. Pressure test casing to 500 psi. Run CBL and discuss results with engineer.
17. If satisfactory, drill CIBP and push to PBTD. TOOH, LD bit, PU production assy (half mule shoe and SN) and land tubing. RDMO.
18. Attached is a Halliburton squeeze procedure with a recommended cement blend.


Kirk Place
Production Engineer

HALLIBURTON

**Williams Production Company Ebus
One Williams Center
Tulsa, Oklahoma 74101-3102**

JICARILLA -92- 2B

Rio Arriba County, New Mexico
United States of America
S:29 T:27N R:3W
API/UWI 300392993500

Squeeze #3 - Intermediate Casing

Prepared for: Kirk Place

April 9, 2009
Version: 1

Submitted by:
Hap Pinkerton
Halliburton
601 S Boulder Suite 300
Tulsa, Oklahoma 74119
918.581.5213

HALLIBURTON

*Halliburton appreciates the opportunity to present
this proposal and looks forward to being of service to you.*

Foreword

Enclosed is our recommended procedure for squeezing the casing strings in the referenced well. The information in this proposal includes well data, calculations, materials requirements, and cost estimates. This proposal is based on information from our field personnel and previous cementing services in the area.

Halliburton Energy Services recognizes the importance of meeting society's needs for health, safety, and protection of the environment. It is our intention to proactively work with employees, customers, the public, governments, and others to use natural resources in an environmentally sound manner while protecting the health, safety, and environmental processes while supplying high quality products and services to our customers.

We appreciate the opportunity to present this proposal for your consideration and we look forward to being of service to you. Our Services for your well will be coordinated through the Service Center listed below. If you require any additional information or additional designs, please feel free to contact myself or our field representative listed below.

Prepared and Submitted by:

Hap Pinkerton
Technical Advisor

SERVICE CENTER:	Farmington
OPERATIONS MANAGER:	Ron Miller
SERVICE COORDINATOR:	Justin Kiddoo
	Jess Tallman
OPER. ENGINEER:	Shawn Faurote
DISTRICT SALES:	Cliff Anderson
PHONE NUMBER:	505.324.3500

Job Information***Intermediate Squeeze #3***

Surface Casing	0 - 334 ft (MD)
Outer Diameter	10.750 in
Inner Diameter	10.050 in
Linear Weight	40.500 lbm/ft
Casing Grade	K-55
Production Casing (1)	0 - 5466 ft (MD)
Outer Diameter	7.625 in
Inner Diameter	6.969 in
Linear Weight	26.400 lbm/ft
Casing Grade	J-55
Production Casing (2)	5466 - 6576 ft (MD)
Outer Diameter	7.625 in
Inner Diameter	6.875 in
Linear Weight	29.700 lbm/ft
Casing Grade	P-110
Squeeze Tubing	0 - 4100 ft (MD)
Outer Diameter	2.875 in
Inner Diameter	2.441 in
Linear Weight	6.500 lbm/ft
Intermediate Open Hole	344 - 6576 ft (MD)
Inner Diameter	9.875 in
Job Excess	0 %
Squeeze #3 Perforations	4150 - 4151 ft (MD)
Number Of Perforations	4
Shot Density	4 spf

Job Recommendation**Intermediate Squeeze #3**

Fluid Instructions

Fluid 1: Water Spacer

Water Spacer

Fluid Density: 8.400 lbm/gal

Fluid Volume: 20 bbl

Fluid 2: Lead Cement

VARICEM (TM) CEMENT

3 lbm/sk Gilsonite (Lost Circulation Additive)

Fluid Weight 12.300 lbm/gal

Slurry Yield: 1.897 ft³/sk

Total Mixing Fluid: 9.888 Gal/sk

Proposed Sacks: 265 sks

Fluid 3: Tail Cement

FRACCEM (TM) SYSTEM

0.8 % Halad(R)-9 (Low Fluid Loss Control)

0.1 % CFR-3 (Dispersant)

3 lbm/sk Gilsonite (Lost Circulation Additive)

0.1 % HR-5 (Retarder)

Fluid Weight 13.100 lbm/gal

Slurry Yield: 1.394 ft³/sk

Total Mixing Fluid: 6.118 Gal/sk

Proposed Sacks: 300 sks

Job Procedure**Intermediate Squeeze #3****Detailed Pumping Schedule**

Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Estimated Avg Rate bbl/min	Downhole Volume
1	Spacer	Water Spacer	8.4		20 bbl
2	Cement	Lead Cement	12.3		265 sks
3	Cement	Tail Cement	13.1		300 sks



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Farmington Field Office
1235 La Plata Highway, Suite A
Farmington, New Mexico 87401

Attachment to Notice of Intent Sundry to Squeeze .

Well: Jicarilla 92 #2B

CONDITIONS OF APPROVAL:

1. Perforate at 4234'. (Top of Lewis Shale @ 4184')
2. At a minimum the interval from 4234' to 3445' must be covered with cement and verified before proceeding with perforating and cementing at 2400' (top of Ojo Alamo @ 3495')
3. Adhere to previously issued stipulations attached to the Application to Drill.

Wayne Townsend – (505) 599-6359

Troy Salyers – (505) 599-6350

Jim Lovato – (505) 599-6367