

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMSF078213	
2. Name of Operator MARKWEST RESOURCES INC		6. If Indian, Allottee or Tribe Name	
3a. Address 155 INVERNESS DRIVE WEST ENGLEWOOD, CO 80111		7. If Unit or CA/Agreement, Name and/or No.	
3b. Phone No. (include area code) Ph: 303.926.9283 Fax: 303.290.9309		8. Well Name and No. FEDERAL A 2	
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 26 T30N R13W SWSW 1190FSL 0890FWL 36.78020 N Lat, 108.18047 W Lon		9. API Well No. 30-045-09153-00-S1	
		10. Field and Pool, or Exploratory BASIN DK/ BLANCO MV	
		11. County or Parish, and State SAN JUAN COUNTY, NM	

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input checked="" type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Purpose: Repair Dakota Tubing and Casing Leaks

1. MOL & RU, test anchors, set pump, 1 frac tank & air equipment. All water to be 2% KCL water.

2. Blow well down. If necessary, kill well w/ water

3. ND WH, NU BOP. TOH w/2-3/8 tbg & Baker Model P production pkr seal assembly. NOTE: Fish in hole See attached data. Visually inspect tbg & replace all bad joints. Pressure test tbg. Inspect & repair wellhead as necessary.

14. I hereby certify that the foregoing is true and correct. Electronic Submission #16572 verified by the BLM Well Information System For MARKWEST RESOURCES INC, sent to the Farmington Committed to AFMSS for processing by Steve Mason on 12/06/2002 (03SXM0129SE)	
Name (Printed/Typed) CINDY BUSH	Title AUTHORIZED REPRESENTATIVE
Signature (Electronic Submission)	Date 12/03/2002

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>STEPHEN MASON</u>	Title <u>PETROLEUM ENGINEER</u>	Date <u>12/06/2002</u>
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office <u>Farmington</u>

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****

NMOC

Additional data for EC transaction #16572 that would not fit on the form

32. Additional remarks, continued

4. TIH w/C-J milling tool (Pkr Plucker) & mill & retrieve pkr @ 6263 . TOH.
5. TIH w/3-7/8 bit on 2-3/8 tbg & CO to PBTD 6470 w/air/mist. TOH.
6. TIH w/pkr on 2-3/8 tbg & set @ 6000 . Load backside & pressure test annulus to 500 psi. TOH.
7. If necessary, set wireline drillable BP @ 6000 , locate csg leak w/tbg & pkr, & sq csg leak w/cmt under a pkr as required. W/3-7/8 bit on 2-3/8 tbg, drill out cmt sq to BP @ 6000 & pressure test sq. to ~~300-500~~ psi. Drill BP @ 6000 & CO to PBTD 6470 w/air/mist. TOH.
8. Rabbit in hole w/2-3/8 tbg & land @ 6440 w/SN one jt above open ended bottom.
9. ND BOP, NU WH. Unload & blow well as needed & place on line.

Federal A #2 DK

(Some Records Indicate Federal #1-26)

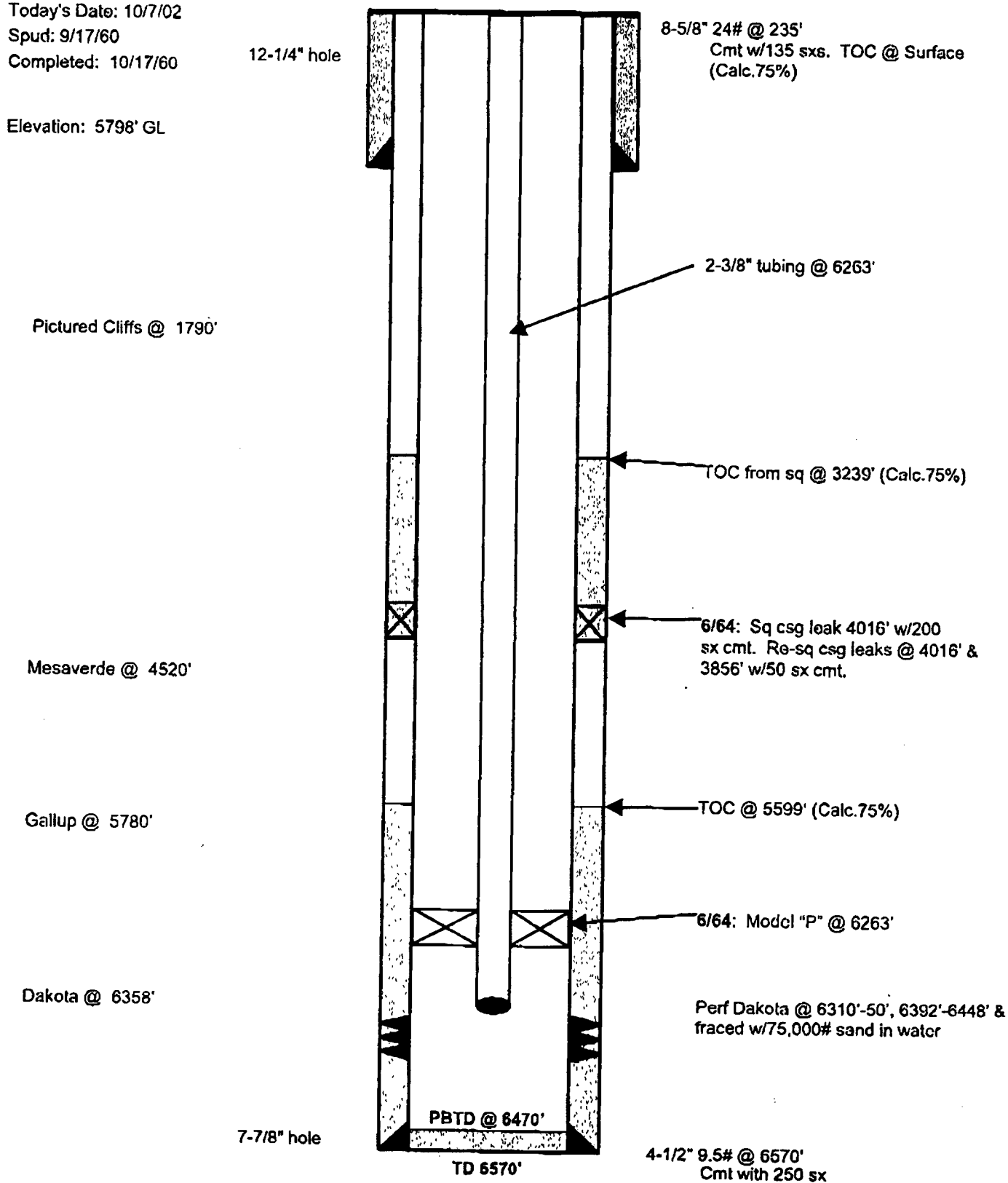
Current**Basin Dakota****(M) Section 26, T-30-N, R-13-W, San Juan County, NM**

Today's Date: 10/7/02

Spud: 9/17/60

Completed: 10/17/60

Elevation: 5798' GL



MARKWEST RESOURCES, INC.
FEDERAL A #2 DK
M Sec. 26 – T30N – R13W, San Juan County, N.M.
1190' FSL & 890' FWL

REPAIR DAKOTA TUBING & CASING LEAKS
Pertinent Data Sheet

Field: Basin Dakota**Elevation:** 5798' GL**ID:** 6570'**Spud Date:** 9/17/60

KB=N/A

PBTD: 6470'**Completion Date:** 10/17/60**LEASE:** Fed. SF078213**CASING PROGRAM:**

<u>Hole Size</u>	<u>Csg Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>	<u>Cement</u>	<u>TOC</u>
12-1/4"	8-5/8"	24# J-55	235'	135 sx	Surface (Calc.75%)
7-7/8"	4-1/2"	9.5&11.6# J-55	6570'	250 sx	5599' (Calc.75%)
		Csg Leak @ 4016'		200 sx	3239' (Calc.75%)

Tubing Record:

2-3/8"	4.7# J-55	6263'
Baker Model "P" Production PKR @		6263'

Formation Tops:

Pictured Cliffs	1790'
Mesaverde	4520'
Gallup	5780'
Greenhorn	6260'
Graneros	6310'
Dakota	6358'

Logging Record: Induction, Sonic, Casing Inspection Log 6/3/64**Stimulation:** Perf DK w/4 spf @ 6310'-50', 6392'-6448'. Fraced w/75,000# sand in water w/225 balls.

Workover History: 6/4/64: Circ out 3 bbls drilling mud. Located csg leak @ 4016'. Sq csg leak @ 4016' w/200 sx cmt. Communicated to bradenhead during sq job & circ drilling mud out bradenhead. Drilled out cmt job. Located more csg leaks @ 3856' & 4016'. Re-sq w/50 sx cmt. Drill out, PT to 2000 psi which would drop & level off @ 1300 psi. CO to 6470'. Set Baker Model "P" production pkr @ 6263'. Release seal assembly & circ 38.1 gravity crude oil behind csg. Re-set pkr, & swab well in. **Left FISH in hole. Swab mandrel, jars, rope socket, & 2500' of 0.082 wireline.** Well kicked off & cleaned up.

Production History: ISICP=2112 PSI. DK cum = 1.566 BCF. Current capacity = 75 MCF/D. Material balance indicates remaining reserves of over 2 BCF to a final formation pressure of 200 psi. Well currently has high pressure on the csg.

MARKWEST RESOURCES, INC.
FEDERAL A #2 DK
M Sec. 26 – T30N – R13W, San Juan County, N.M.
1190' FSL & 890' FWL
REPAIR DK TBG & CSG LEAKS

GENERAL

- * Prior to rig-up and commencement of operations, review the attached general wellsite stipulations.
- * All information concerning the workover operations of this well shall remain **confidential** and shall not be released without the written consent of MarkWest Resources.

1. MOL & RU, test anchors, set pump, 1 frac tank & air equipment. **All water to be 2% KCL water.**
2. Blow well down. If necessary, kill well w/ water'
3. ND WH, NU BOP. TOH w/2-3/8" tbg & Baker Model "P" production pkr seal assembly. **NOTE: Fish in hole – See attached data.** Visually inspect tbg & replace all bad joints. Pressure test tbg. Inspect & repair wellhead as necessary.
4. TIH w/C-J milling tool (Pkr Plucker) & mill & retrieve pkr @ 6263'. TOH.
5. TIH w/3-7/8" bit on 2-3/8" tbg & CO to PBTD 6470' w/air/mist. TOH.
6. TIH w/pkr on 2-3/8" tbg & set @ 6000'. Load backside & pressure test annulus to 500 psi. TOH.
7. If necessary, set wireline drillable BP @ 6000', locate csg leak w/tbg & pkr, & sq csg leak w/cmt under a pkr as required. W/3-7/8" bit on 2-3/8" tbg, drill out cmt sq to BP @ 6000' & pressure test sq. to 300 psi. Drill BP @ 6000' & CO to PBTD 6470' w/air/mist. TOH.
8. Rabbit in hole w/2-3/8" tbg & land @ 6440' w/SN one jt above open ended bottom.
9. ND BOP, NU WH. Unload & blow well as needed & place on line.

EQUIPMENT & VENDORS LIST

ITEM:	VENDOR	PHONE #
RIG:	A-PLUS WELL SERVICES	505-325-2627
RIG SUPERVISOR:	MIKE CONFER	505-599-7461 505-330-2022
ENGR. CONSULTANT	MIKE PIPPIN	505-327-4573 505-330-0495
WIRELINE:	BASIN	505-327-5244

MARKWEST RESOURCES, INC.
FEDERAL A #2 DK
M Sec. 26 – T30N – R13W, San Juan County, N.M.
1190' FSL & 890' FWL

CEMENT	AMERICAN ENERGY	505-325-4192
PACKERS	BAKER	505-325-0216
TRUCKING:	C & J TRUCKING	505-325-7770
FRAC TANKS:	C & J TRUCKING	505-325-7770
WELLHEAD	WSI	505-326-0308
WATER	C & J TRUCKING	505-325-7770
AIR PACKAGE	MOBILE AIR SERVICE	505-324-6712