

**KERR-MCGEE ROCKY MOUNTAIN CORP**  
**UPRR 22 PAN AM "J" #1**  
**SW NE 23 3N 66W -- --**  
**LAT: 40.21340      LONG: -104.74030**  
**WELD,COLORADO**  
**12/09/2011**

**AREA: S4      ROUTE: S42      Spud: 12/02/1974      WINS No.: 73952      AFE/WO#: 88195088      API#: 0512308161**

**GL: 4961      KB: 4971      MTD: 8030      TVD: 8030      LOG MD:      PBMD: 7947      PBTVD: 7947**

**Directions:      WCR 32 AND WCR 33, EAST 3/10 MILE, SOUTH 3/10 MILE, EAST 1/10 INTO LOCATION.**

<u>TUBULARS</u>	<u>Tool Type</u>	<u>Joints</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Thread</u>	<u>Condition</u>	<u>Top D</u>	<u>Bottom D</u>
<b>SURFACE CASING</b>	Casing	21	8.63	23	H-40			10	645
<b>PRODUCTION CASING</b>	Casing	3	4.50	11.6	N-80			10	100
	Casing	226	4.50	10.5	K-55			100	7421
	Casing	18	4.50	11.6	N-80			7421	7997
		1	4.50					7997	7998
	Casing	1	4.50	11.6	N-80			7998	8029
	Casing Guide Shoe	1	4.50					8029	8030
<b>PRODUCTION TUBING</b>	Tubing	251	2.38	4.7	J-55			10	7881
	Seating Nipple	1	2.38					7881	7882
	Notched Collar	1	2.38					7882	7883

<u>CEMENT TYPE</u>	<u>Stage</u>	<u>Sacks</u>	<u>Cement Type</u>	<u>Top D</u>	<u>Btm D</u>	<u>cbl</u>	<u>est</u>	<u>Comments</u>
<b>SURFACE CASING CEMENT</b>	STAGE 1	450	G	10	645	No	Yes	
<b>PRODUCTION CASING CEMENT</b>	STAGE 1	200	50/50 POZ-MIX	7000	8030	No	Yes	
<b>PRODUCTION CASING CEMENT</b>	SQUEEZE JOB			4340	4908	No		
<b>PRODUCTION CASING CEMENT</b>	SQUEEZE JOB			550	2470	No		

<u>PERFORATIONS</u>									
<u>Formation</u>	<u>Zone</u>	<u>Top</u>	<u>Btm</u>	<u>spf</u>	<u>Shots</u>	<u>Date</u>	<u>Reason</u>	<u>Comments</u>	<u>Producing</u>
		4908	4908	1	0	01/06/2011	CEMENT SQUEEZE		Yes
J SAND		7862	7871	1	9	02/26/1975	PRODUCTION		Yes
J SAND		7880	7883	1	3	02/26/1975	PRODUCTION		Yes
J SAND		7894	7917	1	23	02/26/1975	PRODUCTION		Yes

**Comments:**

**Proposed Completion Procedure**

1. Prepare location for rig to move onto.
2. Call Foreman and/or Lead Operator before rig up to isolate any production equipment.
3. MI and spot a minimum of 162 jts of 2-3/8" 4.7# J-55 EUE tbg for casing scraper run, setting CIBP and cementing @ 5090' KB.
4. MIRU WO rig. ND wellhead. NU BOP's. If landing joint present, unseat and lay down.
5. PU and RIH w/ working string consisting of 4 1/2" casing scraper and 2-3/8" 4.7# J-55 EUE tbg. RIH to 5100' KB with casing scraper. TOOH.
6. PU and RIH w/ 4 1/2" CIBP, dump bailer w/ 2 sx cement, and 2 3/8" tbg to 5090' KB. Set CIBP.
7. TIH with 2 3/8" working string with CIBP. Set at 5090' KB. Dump 2 sx of Class G cement on CIBP with dump bailer.
8. TOOH. LD tbg.
9. PU ND BOP's and tubing head. Unseat casing from slips and work casing.
10. MIRU wireline services. TIH to 550' KB w/ free point tool to find free casing and POOH. TIH with inside mechanical cutter to cut csg 50' above free point. Estimated TOC 550' KB. RDMO wireline services.
11. TOOH and LD 4 1/2" casing.

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12. MIRU cementing services. TIH with 2 3/8" working string to casing stub. Set cement plug across casing stub to surface. Pump ~170 sx or 35 bbl. RDMO cementing services.
  13. Cut surface casing 5 ft below ground level and weld on cap.
  14. RDMO WO rig.
  15. Submit Form 6 to COGCC.
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**Proposed Perforation Intervals**

Top	Btm	Zone	Comments

**Engineer: KEITH STEVENS: 661-321-6119****Foreman: LARRY GRUNEWALD: 970-590-6243****Lead Pumper: DWAYNE HAYNES: 970-301-1573****Authorized By: MARK BEIRIGER & CORY EIKENBERG**

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Evans Office 3939 Carson Avenue  
Evans, CO 80620

Date: 11/23/2011

Authorization

PERMANENT

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Approved: \_\_\_\_\_ Date: \_\_\_\_\_ Area Engineer  
Approved: \_\_\_\_\_ Date: \_\_\_\_\_ Engineering Supervisor