

5/24/01

*Robert M. Wilkinson* *Q/W MVED*

Robert M. Wilkinson 40 WMOVED			Day: 2	THUR.	Work Date:	6-6-02
Code	Well Name	JACO #60	Hours	Rate	\$ w/o Tax	\$ w/6% Tax
03	Intangible Expense - Provider - Services					
03	Location Cost:					
05	Move In/Out:					
07	Rig Cost: (Rig only, charge pump if no cement plugs)		10 1/2	\$174/hr	2100.00	2226.00
	(Orig Package, no \$ for pump, include RU/RD time )			\$188/hr		
	Supervisor -			\$380/day		
	Pump Truck (first day \$244, then \$132.50 each day)					
	Stripping Rubbers - (1-1/4" & 1-1/2" 2"-3/8" 2-7/8" \$75)	77.38			77.38	82.02
10	Drilling Fluid: Air Package					
16	Water & KCl					
	Unit #155	2 Lds	10	\$65/hr	650.00	689.00
17	Bits					
18	Cement: Pump Charge \$550/plug	*583 Plug #1			583.00	617.98
	Cement - 48' sxs x \$10.50/sx	11.38/sx			546.24	579.01
25	Rentals: (DC's, bit sub, etc)	BIT-sub			150.00	159.00
26	Fishing Tool Rentals:					
28	Other Rentals: Water Tank			\$27 /day	28.62	30.33
	Flow Back Tank			\$50 /day		
	Float			\$20/day	21.21	22.48
29	Transportation:					
	A-Plus Rig Up Truck			\$74/hr		
	Others:	Rental on 37/8 core bit			100.00	106.00
34	Logging Services: (CR or CIBP) Size -	Set @				
	Perforating: Bi-Wire \$488 , HSC \$550					
	Other: (depth \$0.13/ft) minimum \$244					
37	Swabbing					
45	Roustabout Labor					
49	Packer Rental: (Fullbore- 2-7/8" \$580, 4-1/2" + \$960)					
	RBP, tbg set \$950 and wireline set \$980/day or run					
	Casing Scraper \$275					
54	Disposal:					
60	Other					
Code	Tangible Expense - Provider - Item					
80	Casing:					
81	Tubing: Size 2 3/4 Length 854 (EUE) NU		115/ft		129.10	135.78
84	Csg & Tbg Equipment:					
86	Wellhead Equipment:					
						4647.12
					Total Cost \$	4300.58
					New Cum. \$	12749.64
	Prior Cum \$	8102.52				

**6. SOURCE OF CONSTRUCTION MATERIALS:**

Any construction materials that may be required for surfacing of the drill pad and access road will be obtained from a contractor having a permitted source of materials within the general area.

No construction materials will be removed from Federal or Indian lands without prior approval from the appropriate surface management agency.

**7. METHODS OF HANDLING WASTE DISPOSAL:**

Cuttings and drilling fluids will be contained in the reserve pit.

Tanks will be used for storage of produced fluids during testing. Fracture stimulation fluids will be flowed back into the reserve pit for evaporation.

All produced water will be disposed of via truck transport to an approved disposal facility.

Portable, self-contained chemical toilets will be provided for human waste disposal. Upon completion of operations, or as required, the toilet holding tanks will be pumped and the contents thereof disposed of in an approved sewage disposal facility. All state and local laws and regulations pertaining to disposal of human and solid waste will be complied with.

All garbage and non-flammable waste materials will be contained in a self-contained, portable dumpster or trash cage. Upon completion of operations, or as needed, the accumulated trash will be transported to a state approved waste disposal site. No trash will be placed in the reserve pit.

Immediately after removal of the drilling rig, all debris and other waste materials not contained in the trash cage will be cleaned up and removed from the location. No potentially adverse materials or substances will be left on the location. Any open pits will be fenced during drilling operations and said fencing will be maintained until such time as the pits have been backfilled.

Devon Energy Production Company, L.P. maintains a file, per 29 CFR 1910.1200 (g) containing current Material Safety Data Sheets (MSDS) for all chemicals, compounds, and/or substances which are used during the course of construction, drilling, completion, and production operations for this project. Hazardous materials (substances) which may be found at the site may include drilling mud and cementing products which are primarily inhalation hazards, fuels (flammable and/or combustible), materials that may be necessary for well completion/ stimulation activities such as flammable or combustible substances and acids/gels (corrosives). The opportunity for Superfund Amendments and Reauthorization Act (SARA) listed Extremely Hazardous Substances (EHS) at the site is generally limited to proprietary treating chemicals. All hazardous and EHS and commercial preparations will be handled in an appropriate manner to minimize the potential for leaks or spills to the environment.

**8. ANCILLARY FACILITIES:**

None anticipated.

## Daily Report

## A - PLUS WELL SERVICE

P.O. BOX 1979 • FARMINGTON, NM 87499  
505-325-2627 • FAX (505) 325-1211

19408

Rig No 4Date 6-6-02 Day THURWell Name JACO #60Company Robert M. Wilkinson  
96 NMOC

FROM	TO	DESCRIPTION OF OPERATION
5:30	6:00	Load supplies
6:00	6:30	TRAVEL TO WELLS + secure equip.
8:30	8:45	HS Men JSA
8:45		PU 3 3/8 cone bit + 3' bit sub, Tally + PU 24'its
	9:30	tag w/32' stickup, TAG w/23'its Tn, TAG fill at 751'
		LD 1'it
9:30	10:30	LD tongs, PU + RU survival
10:30		begin drilling from 751'-848', circulating gel +
		chunks of cast iron, started to pressure-up at 848'
		upto 1000' w/1/2-1" stream on return line, survival
		started torqueing-up, LD 1'it w/same results, LD
		1 more it, same results,
	11:45	LD survival w/1'it, PU Tongs
11:45	12:00	POOH w/they + ck cone bit, bit OK.
12:00		PT they w/Bullplug on end, test 9'its, at a time
	1:00	PT they upto 2000' (848') Hold OK. POOH w/they
1:00		PU 3 3/8 bit + sub, Tn to 360' attempted to circulate
		hole clean, Pressured-upto 1000', Remove 2" hose, find
		hose + 2" ball valve plugged w/pieces of cast-iron
	1:30	clean-out + circulate hole
1:30		Tn w/they to 751' + circulate hole clean
	2:00	Tn w/they to 846' + tag
2:00		LD tongs, PU survival + begin drilling
		DRILLED FROM 846 to 854 w/cement returns
	2:30	OK'd by NMOC (Charles Paccia) to pump cement
2:30	2:45	POOH w/they, LD Bitsub + bit
		1-2 3/8 stripping Rubber
		Heavy Villanueva w/nmocs on loc.

Fuel & Motor Oil \_\_\_\_\_ Water Hauled 2-Lds A-Plus

Rental Equipment \_\_\_\_\_ Cement Retainers \_\_\_\_\_

Cementing Play #1 485XS

Wireline \_\_\_\_\_

CREW	NAME	UNIT #	MILEAGE	HOURS
Supervisor	<u>B. Randall</u>	<u>12</u>		<u>11</u>
Operator	<u>J. Palanco</u>	<u>16</u>		<u>11</u>
Helper	<u>R. Harrison</u>			<u>11</u>
Helper	<u>S. Hujan</u>			<u>11</u>
Helper	<u>C. Adams</u>			<u>11</u>
Trainee				

## **9. WELL SITE LAYOUT:**

### **A. General Information:**

Attached is a diagram showing the typical location with cuts and fill, cross sections, reserve pit and rig lay down.

If necessary, in order to divert surface runoff, a drainage ditch will be constructed around the upslope side of the well site.

All equipment and vehicles will be confined to the approved disturbed areas of this APD (i.e., access road, well pad, and spoil and topsoil storage areas).

The fill section of the pad that supports the drilling rig and any other heavy equipment will be compacted.

### **B. Reserve Pit:**

The reserve pit will be constructed in a way that minimizes the accumulation of surface precipitation runoff into the pit. This may be accomplished by appropriate placement of subsoil/topsoil storage areas and/or construction of berms or ditches.

The reserve pit will be fenced on three sides during drilling operations and the fourth side will be fenced after the drilling rig moves off the location. This fence will be either: (1) woven wire at least 28 inches high and within 4 inches of ground surface with 2 strands of barbed wire above the woven wire with 10 inch spacing, or (2) at least 5 strands of barbed wire spaced, starting from the ground, at approximately 6, 8, 10, and 12 inch intervals.

Siphons, catchments, and absorbent pads will be installed to keep hydrocarbons produced by the drilling rig from entering the reserve pit. Hydrocarbons and contaminated pads will be disposed of in accordance with DEQ requirements.

The reserve pit will be backfilled as soon as dry after drilling and completion operations are finished. If natural evaporation of the reserve pit is not feasible, alternative methods of drying, removal of fluids, or other treatment will be developed. If fluids will be disposed of by any method other than evaporation or hauling to a DEQ approved disposal pit, prior approval from the Authorized Officer will be obtained.

If a liner is required, then the reserve pit will be lined with a 12-mil synthetic liner. The reserve pit bottom and side walls shall be void of any sharp rocks that could puncture the liner. The liner will be installed over smooth fill subgrade that is free of pockets, loose rocks, or other materials (i.e. sand, sifted dirt, or bentonite) that could damage the liner.

## **10. PLANS FOR RECLAMATION OF THE SURFACE:**

Rat and mouse holes will be filled and compacted from bottom to top immediately upon release of the drilling rig from the location.

Topsoil from the berms and/or storage piles will be spread along the road's cut and fill slopes. Drainage ditches or culverts will not be blocked with topsoil and associated organic matter. The topsoil areas will be seeded as stated below:



All disturbed areas will be seeded using a drill equipped with a depth regulator. All seed will be drilled on the contour. The seed will be planted between one-quarter and one-half inch deep. Where drilling is not possible (i.e., too steep or rocky), the seed will be broadcast and the area raked or chained to cover the seed. If the seed mixture is broadcast, the rate will be doubled. The appropriate seed mixture will be obtained from the Authorized Officer.

Seeding will be done either in late Autumn (September 15 to November 15, before freeze up) after completion or as early as possible the following Spring to take advantage of available ground moisture.

The seeding will be repeated until a satisfactory stand, as determined by the Authorized Officer, is obtained. The first evaluation of growth will be made following completion of the first growing season after seeding.

**11. SURFACE OWNERSHIP:**

Surface ownership of the proposed location and access road is as follows:

**Well Site:** Federal

**Access Road:** Federal

**12. OTHER INFORMATION:**

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice of Lessees. The operator is fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Weeds will be controlled on disturbed areas within the exterior limits of the access road and well pad. The control methods shall be in accordance with guidelines established by the EPA, BLM, state, and local authorities. Approval will be obtained from the Authorized Officer prior to use of pesticides.

Devon Energy Production Company, L.P. will have a qualified individual(s) serve as compliance coordinator(s). This individual(s) will be responsible for assuring that all requirements of the Surface Use Plan and appropriate Conditions of Approval are followed.

A Class III cultural resource inventory has been conducted and clearance for the project was recommended.

**13. LESSEE OR OPERATOR'S REPRESENTATIVES AND CERTIFICATION:**

Chuck Freier  
Assistant Foreman  
Devon Energy Production Company, L.P.  
3300 N. Butler Ave., Suite 211  
Farmington, NM 87401