Schlumberger

PRIMARY CEMENTING PROPOSAL

SURFACE. INTERMEDIATE & PRODUCTION

Houck Com 1A

Well Location

County:

State

: New Mexico

Country: USA

3010830137

Prepared for

: Ricky Joyce

Service Point

: FARMINGTON, NM

Key 49

Business Phone : 505-325-5096

Date Prepared

27-Jan-00

FAX No.

: 505-327-0317

Prepared by

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Disclaimer Notice:

obtained from the use of any product or service. Prices quoted are estimates only, and are good for 30 days from the date of issue. Actual charges may vary depending upon time, equipment, and material, ultimately required to perform these services. Freedom from infringement of patents of Dowell or others is not to be

At Conoco our work is never so urgent or important that we cannot take time to do it safely, SAN JUAN DRILLING PROGRAM

	Well: Houck (A	Area: West		AFE# (MV)				AFE \$:					
	County: San Juan				State: NM			Rig: Unknown				RKB-GL: 12		
ا <u>و</u> ا	API# 30-045-30137 Permit#							Fresh Wtr Prot: Circulate cem				ent on surface casing		
Z	MD: 5150			TVD: 5150			KOP: N/A G.L. Elev			Elev:	: 5845			
ŒLL	Co-ordinates:	o-ordinates: WELL Latitude:		: 36°45'28" Longitude: 10		e: 107°50	50'00" ERA		Latitude	: 36° 4	5.4'	Longitude:	107° 49.9'	
	Location:	1345' FN	L, 1800'	FEL										
1 1		Section:	1			Township:		29N		Range:	10W	10W		
	Directional:	N/A												

THESE WELLS ARE TO BE DRILLED WITH SAFETY AND PROTECTION OF THE ENVIRONMENT AS THE PRIMARY OBJECTIVES!

IT IS THE DRILLING REPRESETATIVES RESPONSIBILITY TO READ AND FOLLOW ALL STIPULATIONS FOR EACH PERMIT AND ENSURE COMPLIANCE

REGULATORY NOTIFICATIONS

Notify the U.S. Bureau of Land Management:

- 1. Anytime a major deviation from the well plan (plug back, sidetrack, etc...) is going to occur. Leave a message with the intended plan if no one answers. If in doubt notify! Better to notify unnecessarily than not to and get a fine.
- 2. Immediately upon spudding
- Complete the Notice of Spud Sundry and FAX to Trigon Engineering Inc. at (970) 385-9107, attention Debra Sittner. Call her at (970) 385-9100, ext. 25 or Verla Johnson @ ext. 20 to confirm that the fax was received. This is in addition to the phone calls to the BLM.
- 4. 24 hours prior to any BOP or casing pressure test.
- 5. 24 hours prior to any cementing operation

PHONE NUMBERS

DISCUSSION

BLM - Farmington: (505) 599-8907 BLM - Albuquerque: (505) 761-8700

New Mexico Oil Conservation Department: (505) 334-6178

NOTE – Permits come from either the Farmington OR Albuquerque depending upon the area. Refer to the permit for the correct number to call.

Review Emergency Response Plan before rigging up and be prepared to execute the plan if needed!

The objective of this well is to develop the Mesa Verde formation.

	Days From Spud to												
I.W.		Surf Csg Pt	Drlg Out	Int. Csg Pt	Drig Out	TD	Log	Prod Csg Set	Rig Rel.				
	Days	0.5	1.0	3.5	4.0	7.0	N/A.	7.5	8.0				

						3		
	Zone	Depth (TVD)	MW	Zone psi	Hole Size	Csg Size	FIT / LOT	Remarks
Sur	rface Casing	+/- 250	8.4 – 8.8		12 1/4"			Severe lost circulation is possible.
				L		9 5/8"		9 5/8", 32.5 ppf, WC-50, STC Casing. Cement to surface.
ON	AM	1127	8.4 – 9.0		8 3/4"			Possible water flows. Control fluid loss (10-12 cc) prior to reaching Ojo Alamo.
KR	LD	1294						
S FRI	LD	1839]			Set intermediate casing into FRLD, above coal seams.
PINT P	r csg	1949				7"	L	7", 20 ppf, WC-50, STC Casing. Cement to surface.
FORMATIO	CF	2374	Air		6 1/4"			
R LEI	ws							
	IRA	3369		475				
CL	_FH/MV	4024		563				Gas
ME	ENF/MV	4124]		1	
PT	TLK/MV	4619]			