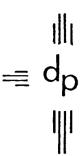
Form Approved.

Dec. 1973			Budget Bureau No. 42-R1424	
UNITED ST	5. LEASE	-		
DEPARTMENT OF THE INTERIOR		SF 078049 A 6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
GEOLOGICAL				
SUNDRY NOTICES AND R	REPORTS ON WELLS to deepen or plug back to a different	7. UNIT AGRE		
Do not use this form for proposals to drill or to deepen or plug back to a different eservoir. Use Form 9–331–C for such proposals.)		8. FARM OR LEASE NAME		
1. oil gas XX other		Hardie		
well well AA other		9. WELL NO.		
2. NAME OF OPERATOR		#2E	(II BOAT NAME	
Jerome P. McHugh		10. FIELD OR W		
3. ADDRESS OF OPERATOR	07401	Basin Dak		
P O Box 208, Farmingt	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA			
4. LOCATION OF WELL (REPORT LOC	ATION CLEARLY, See space 17	Sec 28 T2	9N R8W	
below.) AT SURFACE: 1100' FSL	800' FWL		R PARISH 13. STATE	
AT TOP PROD. INTERVAL:	. 000 1 112	San Juan	NM	
AT TOTAL DEPTH:		14. API NO.		
6. CHECK APPROPRIATE BOX TO IN	IDICATE NATURE OF NOTICE			
REPORT, OR OTHER DATA	isione initial		IS (SHOW DF, KDB, AND WD)	
REQUEST FOR APPEOVAL TO: TEST WATER SHUT-DFF FRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL PULL OR ALTER CASING MULTIPLE COMPLETE CHANGE ZONES ABANDON* (other) 17. DESCRIBE PROPOSED OR COMPL including estimated date of starting measured and true vertical depths to	g any proposed work. It well is	change of the ch	esults of multiple completion or zone on Form 9–330.) Itails, and give pertinent dates, l, give subsurface locations and	
See attached report,	3-16-81, for spud an	d surface cas	sing.	
See attached report,	3-19-81 for 7" csg.		: 1 · · · · · · · · · · · · · · · · · ·	
See attached report,	3-19-01, 101 / 639.			
Subsurface Safety Valve: Manu. and Typ	na.		Set @ Ft.	
1 11				
18. I hereby certify that the foregoing is	s true and correct Agent		3-19-81	
SIGNED Thomas A. Dugan	TITLE	DATE		
	(This space for Federal or State	office use)	ACCES FOR RECORD	
APPROVED BY CONDITIONS OF APPROVAL, IF ANY:	TITLE	DATE		
			FARMINGTON DISTRICT	
	₽ ₩		BY	
	*See Instructions on Revers	e Side		



dugan production corp.

JEROME P. McHUGH Hardie #2E 1100' FSL - 800' FWL Sec 28 T29N R8W San Juan County, NM

MORNING REPORT

3-16-81 Moved in Four Corners Rig #6. Spud 12-1/4" hole at 1:30 a.m. 3-16-81. Drilled to 255', 1/2" at 238' Running 9-5/8" csg.

1/2 hr - trip
3-1/4 hrs - drlg
5-1/4 hrs - rig up
6-1/4 hrs - drlg. rat & mouse hole
1/4 hr - circ.
1/2 hr - run csg.
8 hrs - wait on loc.

3-17-81 1650' - Drlg. w/ wtr. & Benix 1/2⁰ at 724' 1/2⁰ at 1231' Ran 7 jts. 9-5/8" OD, 36#, K-55, 8 Rd, ST&C csg. T.E. 233.19' set at 246' RKB. Cemented w/ 135 sx class "B" plus 2% CaCl. Circulated approx 3 bbls cement. P.O.B. at 7:30 a.m. 3-16-81.

JEROME P. McHUGH Hardie #2E 1100' FSL - 800' FWL Sec 28 T29N R8W San Juan County, NM Page 2

Ran 98 jts. 7" OD, 28#, K-55, 8 Rd., ST&C csg. T.E.

3091.68' set at 3103' RKB. Cemented w/ 175 sx 65-35 plus
12% gel and ¼# flocele per sx followed by 150 sx class "B"
neat w/ ¼# flocele per sx - pre-flushed w/ 10 bbls mud flush.
(Total slurry 564 cu.ft.). Good circulation throughout job.
Maximum cementing pressure 900 psi. Bumped plug w/ 1200 psi.
Float held OK. P.O.B. at 4:00 p.m. 3-18-81. Nippled down
B.O.P. Set 7" csg. slips. Cut off csg. Nippled up for
air drilling.