


RE: Jerome P. McHugh  
Pump Canyon B #5  
Unit B, Sec. 5, T31N, R13W, NMPM  
San Juan County, NM  
Federal Lease No. NM 40649

Gentlemen:

I hereby certify that deviation surveys were run on the captioned well as shown on the attached sheet.

Sincerely,

Sincerely,  
  
James Hazen  
Field Superintendent

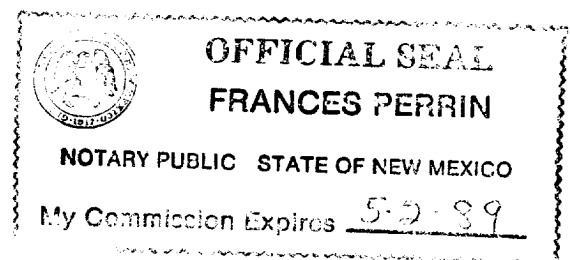
cc: Bureau of Land Management  
Attn: John Keller  
Caller Service 4104  
Farmington, NM 87499

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DIST. 3

State of New Mexico) ) ss  
County of San Juan )

Subscribed and sworn to before me this 30th day of June, 1985.

James P. ...  
Notary Public



Main Office  
Jerome P. McHugh & Associates  
Operating Affiliate: Naasau Resources, Inc.  
650 South Cherry, Suite 1225  
Denver, Colorado 80222  
(303) 321-2111

DEVIATION SURVEYS TAKEN ON JEROME P. McHUGH's PUMP CANYON B #5 WELL

1/2° at 90'	5-1/2 at 1294	13-3/4 at 2603
1/2 at 150	5-1/2 at 1334	13-3/4 at 2665
3/4 at 275	5-3/4 at 1366	13-3/4 at 2728
2 at 401	6 at 1403	13-1/2 at 2828
2-1/4 at 431	6-1/4 at 1434	14 at 2880
2-1/2 at 461	6-1/2 at 1486	14 at 2943
2-1/4 at 523	8 at 1548	14-3/4 at 3006
2-1/2 at 585	7-1/2 at 1582	14-3/4 at 3015
2-1/2 at 627	7 at 1588	14-3/4 at 3059
2-3/4 at 707	7-1/4 at 1604	15 at 3071
3 at 772	7-1/2 at 1767	14-3/4 at 3165
3 at 825	9-1/2 at 1829	15 at 3227
3-3/4 at 896	9 at 1860	15 at 3321
4 at 928	10 at 1953	15-1/2 at 3383
4 at 934	10-1/4 at 2015	15-3/4 at 3445
4-1/2 at 990	10-1/2 at 2076	15-3/4 at 3508
4-1/2 at 1021	10-1/2 at 2138	15-1/2 at 3570
4 at 1053	10-3/4 at 2200	15-3/4 at 3631
5 at 1115	11-1/4 at 2263	15 at 3693
4-3/4 at 1146	11-3/4 at 2325	16 at 3816
4-3/4 at 1210	11-3/4 at 2389	15-1/2 at 3886
5-1/4 at 1241	12 at 2450	17 at 4000
5-1/4 at 1272	12 at 2505	



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