STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

5a. Indicate Type of Lease: State ☐ Fee ☒

5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT —" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL ☐ GAS WELL ☒ OTHER-

7. Unit Agreement Name

2. Name of Operator
Amoco Production Co.

8. Farm or Lease Name
Haney Gas Com "B"

3. Address of Operator
501 Airport Drive, Farmington, N M 87401

9. Well No.
1E

4. Location of Well
UNIT LETTER M, 850 FEET FROM THE south LINE AND 850 FEET FROM THE west LINE, SECTION 20 TOWNSHIP 29N RANGE 10W NMPM.

10. Field and Pool, or Wildcat
Basin Dakota

15. Elevation (Show whether DF, RT, GR, etc.)
5469' GR

12. County
San Juan

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☒	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB ☐	
OTHER ☐		OTHER ☐	

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Amoco Production Co. requests approval to repair the above referenced well according to the attached procedure.

RECEIVED
MAR 13 1985
OIL CON. DIV.
DIST. 3

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED BD Shaw TITLE Adm. Supervisor DATE 3/7/85

APPROVED BY Original Signed by FRANK T. CHAVEZ TITLE SUPERVISOR DISTRICT # 3 DATE MAR 13 1985

CONDITIONS OF APPROVAL, IF ANY:

FARMINGTON DISTRICT WORKOVER

DATE: 2/18/85

OPERATIONS TO BE PERFORMED: (CIRCLE ONE) RECOMPLETION REPAIR SERVICE

LEASE AND WELL Haney Gas Com B No. 1E FIELD Basin Dakota

FORMATION Dakota LOGS TDT, Perf. Depth Control

LOCATION 850' FSL x 850' FWL, Section 20, T29N, R10W, San Juan Co., NM

COMP. DATE 4/4/81 EL: 5482' GL TD: 6512' PBD: 6456

CSG: 8 5/8 " 24 # K-55 @ 300 ': 4 1/2 " 10.5 # K-55 @ 6512 '

COMP. INT. 6406-6428; 6340-6364 ORIG. STIM. Perforated 2 spf.

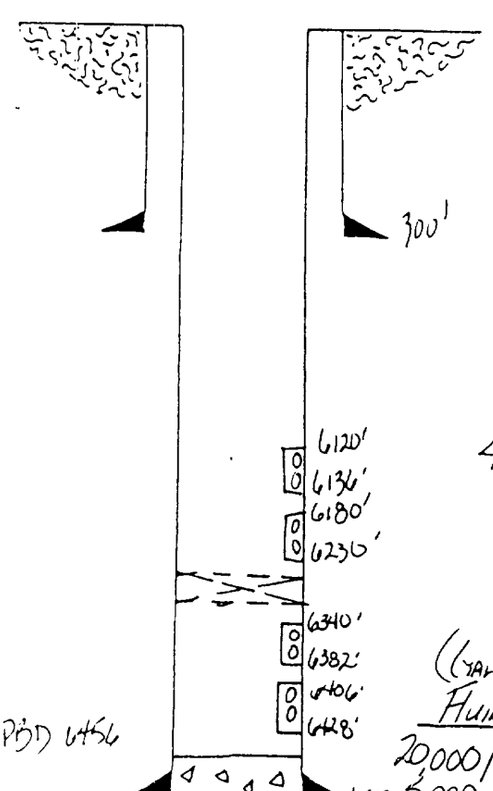
IP 10.6 MMCFD CURRENT PROD. INT. Same

PURPOSE: OPEN NEW PAY AND FRACTURE STIMULATE

~~WDH~~ TKA GOM, ~~NCH~~ ~~DHS~~ ~~RGH~~ BVD ~~GMK~~ 5/PERMITTING DESK ENGR FILE

Perforating: Welex
Stimulation: Smith Energy

WELLBORE SKETCH



PROCEDURE

1. MIx RUSU. ND WELLHEAD, NU BOP.

2. TO x 2 3/8", 4.7# tubing. TSA 6431.35'. Packer is set at 6378. It is on Otis double slip packer.

3. Run in with casing guns and perforate TDT Log intervals 6406'-6428', and 6340-6382 using Welex's JRC (SSB) 3 3/8", 90° phasing guns at 4 spf.

4. Frac Lower Dakota intervals down 4 1/2 inch casing with 85,000 gallons 40 lb/1000 crosslinked gelled water containg 5% diesel and 275,000 lb 20-40 Sand.

Pump Schedule

(Gal/Bbls) Fluid Volume	Slurry Volume	Rate	Stage	Sand Conc.
20,000/476	20000/476	30 BPM	1	PAD
5,000/119	5228/124	30	2	1 PPG
5,000/119	5455/130	30	3	2 "
5,000/119	5683/135	30	4	3 "
15,000/357	17731/422	30	5	4 "
25000/595	30689/731	30	6	5 "
10000/238	12731/303	30	7	6 "

Flush with 4220 gallons 2% KCl water (100 bbls.)

DISTRICT MANAGER [signature]

DISTRICT ENGINEER [signature]

DISTRICT FOREMAN

ENGINEER [signature]

DATE 2/20/85

ENGSPE

ENG-40

5. Shut well in overnite plus 24 hours after frac. TI x sinker bar and tag for fill. If fill is present so as to prevent setting a bridge plug at 6300', Clean out x 2% KCL water.

6. WIRELINE SET, TUBING RETRIEVABLE BP at 6300'. PERFORATE TDT Log intervals 6180-6230, and 6120-6136 x 2 spf using Charges Specified in Step 3.

7. TI x 2 3/8" tubing and land at 5800'. Frac intervals perforated down tubing and annulus with 90,000 gallons 75 quality FOAM AND 130,000 lbs 20-40 sand. Pump ~~0~~ SAND, water, AND 10% N_2 down annulus. GEL 2% KCL water with 20#/1000. Pump N_2 (90%) down tubing. N_2 will be pumped at 25,200 SCF/min and 3360 scf/bbl liquid. Expected treating pressures are 1900 psi casing and 5000 psi tubing.

Pump Schedule

Stage	Foam Volume (Gal/BBL)	Liquid Volume (Gal/BBL)	Slurry Volume (Gal/BBL)	Sand Conc. (PPG)	Rate (BPM)
1	30,000/714	7500/179	7500/179	PAD	30
2	10,000/238	2500/60	2955/70	1 ppg	30
3	30,000/714	7500/179	10231/244	2	30
4	20,000/476	5000/119	7731/184	3	30
5	3692/88	2730/65	2730/65	FLUSH	30

8. Shut-in well overnite plus 24 hours. Flow well back through 1/4 inch choke to minimize sand production. TI x retrieve BP @ 6300'. Use BP with shear pins so it doesn't set when coming out of the hole and blow tubing out all over location. Recommend using Baker Service BP - set down to shear pins. TO x BP

9. TI x tubing and flow well and clean up. When the lower zone is open to flow, you may not be able to use a 1/4 inch choke nipple as it may be too small. PLEASE BE CAREFUL ON THIS WELL as it is very prolific producer and could be very dangerous! LAND tubing when well is cleaned up and put back on production.

NOTES:

1. Tubing rating = 6200 psi max
   Casing rating = 3850 psi max
2. USE Brady Sand
3. Use filtered 2% KCl water for everything
4. PLEASE Check
   a. Sieve analysis
   b. Steam Clean all frac tanks
   c. Viscosity of 20# gelled water at 100 rpm is 17-20 cp
   d. filter all water to 1 micron
5. Record load recovered and load yet to be recovered