

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42 R1424.

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—" for such proposals.)

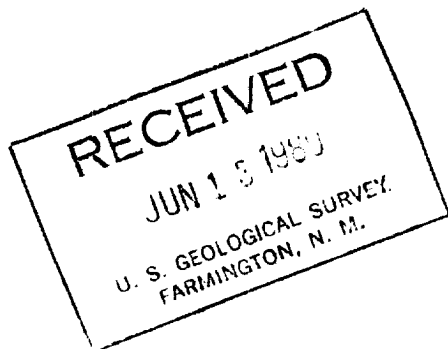
1. OIL WELL ☒ GAS WELL ☐ OTHER ☐		5. LEASE DESIGNATION AND SERIAL NO. Contract No. 360	
2. NAME OF OPERATOR JACK A. COLE		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache	
3. ADDRESS OF OPERATOR P. O. Box 191 Farmington, N.M. 87401		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 790'FNL, 1850'FEL		8. FARM OR LEASE NAME Chacon Amigos	
14. PERMIT NO.		9. WELL NO. 1	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7162'GL, 7175'DF, 7176'KB		10. FIELD AND POOL, OR WILDCAT Chacon Dakota Associated	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 2-T22N-R3W N.M.P.M.	
		12. COUNTY OR PARISH Sandoval	13. STATE N.M.

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF ☐	PULL OR ALTER CASING ☐	WATER SHUT-OFF ☐	REPAIRING WELL ☐
FRACTURE TREAT ☐	MULTIPLE COMPLETE ☐	FRACTURE TREATMENT ☒	ALTERING CASING ☐
SHOOT OR ACIDIZE ☐	ABANDON* ☐	SHOOTING OR ACIDIZING ☐	ABANDONMENT* ☐
REPAIR WELL ☐	CHANGE PLANS ☐	(Other) ☐	
(Other) ☐		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

SEE ATTACHED FOR FRACTURE TREATMENTS



FOR: JACK A. COLE

18. I hereby certify that the foregoing is true and correct

SIGNED EWELL N. WALSH TITLE President, Walsh Engr. & Production Corp. DATE 6/11/80

Ewell N. Walsh, P.E.

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

MINOC

*See Instructions on Reverse Side.

Fracture Treatment

Formation Dakota Stage No. 1 Date 6/7/80

Operator Jack A. Cole Lease and Well Chacon Amigos
7042'-6700' 5000-4200

Correlation Log Type GR-CCL From 6300-5700 To 3750-3100

Temporary Bridge Plug Type _____ Set At _____

Perforations 6973 - 6984
2 Per foot type 3 1/2 Glass Strip Jets

Pad 7000 gallons. Additives 1% Kcl. 2 lbs.
FR-20 per 1000 gallons. 1 gallon Frac Flo per
1000 gallons. 15 lbs. Adomite per 1000 gal.

Water 40,000 gallons. Additives 1% Kcl. 2 lbs.
FR-20 per 1000 gallons. 15 lbs. Adomite per
1000 gal.

Sand 40,000 lbs. Size 20-40

Flush 5,500 gallons. Additives 1% Kcl. 2 lbs.
FR-20 & 1 gallon Frac Flo per 1000 gallons.
15 lbs. Adomite per 1000 gals.

Breakdown 3250 psig Start sand 1/2 lb. per gal
4000 gal. sand 1 lb. per gal

Ave. Treating Pressure 2950 psig Average press. 2850 psig
Rate 30 bpm

Max. Treating Pressure 3200 psig Drop 5 balls 30,000 gals
Pres - 2940

Ave. Injecton Rate 30 BPM Rate - 30
40,000 gals. Rate - 30 bpm
Press - 3050

Hydraulic Horsepower 2169 HHP

Instantaneous SIP 1900 psig

5 Minute SIP 1660 psig

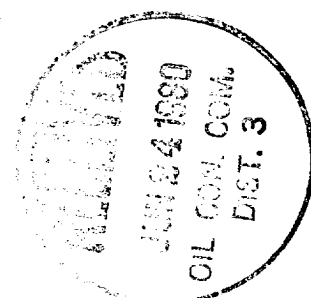
10 Minute SIP 1610 psig

15 Minute SIP 1550 psig

Ball Drops: 5 Balls at 30,000 gallons 50 psig
inerea

Balls at _____ gallons _____ psig
inerea

Balls at _____ gallons _____ psig
inerea



Remarks: _____

_____ **Walsh** ENGINEERING & PRODUCTION CORP.

FRACTURE TREATMENT

Formation Dakota Stage No. 2 Date 6/7/80
 Operator Jack A. Cole Lease and Well Chacon Amigos No. 1

Correlation Log Type _____ From _____ To _____

Temporary Bridge Plug Type Halco Speed-E-Line Set At 6956

Perforations 6870-6900 6902-6916
1 Per foot type 3 1/2" Glass Strip Jet

Pad 10,000 gallons. Additives 1% Kcl. 2 lbs
FR-20 per 1000 gallons. 1 gallon Frac Flo per
1000 gallons. 15 lbs. Adomite per 1000 gal.

Water 80,000 gallons. Additives 1% Kcl. 2 lbs.
FR-20 per 1000 gallons. 15 lbs. Adomite per
1000 gals.

Sand 80,000 lbs. Size 20-40

Flush 4,900 gallons. Additives 1% Kcl. 2 lbs.
FR-20 & gallon Frac Flo per 1000 gallons.
15 lbs. Adomite per 1000 gals.

Breakdown	<u>3700</u> psig	Breakdown perforations Start acid Displace 150 gal. acid Pressure - 1800 psig Wait 5 minutes Displace 100 gals. acid Pressure - 2000 psig Wait 5 minutes Start sand 1/2 lb. 1000 gal. sand 1 lb. Rate - 34 blm X 3150 psig Last 2 pumps at 30,000 gals. At 70,000 gals., lost 3rd pump
Ave. Treating Pressure	<u>3200</u> psig	
Max. Treating Pressure	<u>3400</u> psig	
Ave. Injecton Rate	<u>32</u> BPM	
Hydraulic Horsepower	<u>2509</u> HHP	
Instantaneous SIP	<u>2350</u> psig	
5 Minute SIP	<u>1900</u> psig	
10 Minute SIP	<u>1800</u> psig	
15 Minute SIP	<u>1675</u> psig	

Ball Drops:	<u>12</u> Balls at <u>40,000</u> gallons	<u>-0-</u> psig
4 hour shut-in		increa
11:30 p.m. - 1250 psig		
12:30 a.m. - 1190 psig	<u>12</u> Balls at <u>60,000</u> gallons	<u>-0-</u> psig
1:30 a.m. - 1150 psig		increa
2:30 a.m. - 1125 psig		
	Balls at _____ gallons	psig
		increa

Remarks: _____

Walsh ENGINEERING & PRODUCTION CORP.

