

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

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TRANSPORTER	OIL	
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OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

Form C-104  
Revised 10-01-78  
Format 06-01-83  
Page 1

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DEC 14 1987  
OIL CON. DIV.  
DIST. 3

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I. Operator  
Minel Incorporated

Address  
c/o R. D. Simmons P.O. Box 48 Farmington, NM 87499

Reason(s) for filing (Check proper box)

<input checked="" type="checkbox"/> New Well	Change in Transporter of:	
<input type="checkbox"/> Recompletion	<input type="checkbox"/> Oil	<input type="checkbox"/> Dry Gas
<input type="checkbox"/> Change in Ownership	<input type="checkbox"/> Casinghead Gas	<input type="checkbox"/> Condensate

Other (Please explain)

If change of ownership give name  
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name Cayias	Well No. 2	Pool Name, including Formation <i>W. Hindsley Gallup Dakota</i> <i>Ojito Gallup D&amp;K</i>	Kind of Lease Federal State, Federal or Fee	Lease No. SF 0805668
Location Unit Letter <u>A (lot 1)</u> <u>1570</u> Feet From The <u>North</u> Line and <u>790</u> Feet From The <u>East</u> Line of Section <u>2</u> Township <u>25 North</u> Range <u>3 West</u> , NMPM, Rio Arriba County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> Giant Refining Company	Address (Give address to which approved copy of this form is to be sent) P. O. Box 256 Farmington, NM 87499
Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> or Dry Gas <input type="checkbox"/> Minel Incorporated	Address (Give address to which approved copy of this form is to be sent) 309 Washington SE Albuquerque, NM 87108
If well produces oil or liquids, give location of tanks.	Unit   Sec.   Twp.   Rge. A   2   25N   3W
Is gas actually connected?	When Yes   12-5-87

If this production is commingled with that from any other lease or pool, give commingling order number:

NOTE: Complete Parts IV and V on reverse side if necessary.

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given is true and complete to the best of my knowledge and belief.

R. D. Simmons

(Signature)

Agent

(Title)

December 7, 1987

(Date)

OIL CONSERVATION DIVISION

APPROVED

DEC 05 1987

BY

Original Signed by FRANK T. CHAVEZ

TITLE

SUPERVISOR DISTRICT 8

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deeper well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for all wells on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of conditions.

Separate Forms C-104 must be filed for each pool in multi-completed wells.

#### IV. COMPLETION DATA

Designate Type of Completion - (X)		Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Resv.	Diff. R.
		X		X					
Date Spudded	Date Compl. Ready to Prod.		Total Depth		P.B.T.D.				
10-15-87	12-5-87		7650		7606				
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay		Tubing Depth				
7335 GR	Gallup		6860		7530				
Perforations		6860 to 7230 1 shot/2 ft. 7254 to 7520 1 shot/2 ft 320 total					Depth Casing Shoe		
							7650		
<b>TUBING, CASING, AND CEMENTING RECORD</b>									
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT				
12-1/4	9-5/8		211		See Attachment A				
8-3/4	4-1/2		5566		"				
7-7/8	4-1/2		7650		See Attachment A				
	2-3/8		7530						

#### V. TEST DATA AND REQUEST FOR ALLOWABLE (Test must be after recovery of total volume of load oil and must be equal to or exceed top of allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks		Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
12-5-87		12-6-87	Pumping	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size	
24 24	180	180	NA	
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF	
120	40	80 frac	30	

#### GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

ATTACHEMENT A

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MINEL INCORPORATED  
CAYIAS # 2  
1570' FNL & 790' FEL  
SECTION 2, T25N, R3W  
RIO ARriba COUNTY, NEW MEXICO  
ELEVATION 7335' GR.

SURFACE CASING AND CEMENT RECORD

Spud at 11:15 PM 10-15-87. Drilled 12-1/4" to 215'. Ran 5 joints 9-5/8" 20# H40 casing (198.02' threads off) set at 211.02' KB. Delta cemented with 140 sacks ( 165.02 cu. ft.) Class "B" w / 2% CaCl2 and 1/4# flocele. Circulated 5 bbls cement to surface. Plug down at 3:45 AM 10-16-87

PRODUCTION CASING AND CEMENT RECORD

Ran 186 joints 4-1/2", 11.6#, N80, R3, LTC casing (7647.88') Landed at 7650' KB. Float collar at 7606'. Stage collars at 6166 and 4117'. Circulated hole 1 hour. Cemented first stage as follows: 10 bbls water, 20 bbls aqua fix, 10 bbls water 410 sacks (516 cu. ft.) Class "B" 50/50 poz, 2% gel, 8# salt, 6-1/4# gill. Plug down at 9:10 PM. 10-26-87. Top of cement at 6166'. Opened stage tool at 6166'. Could not establish circ. Opened stage tool at 4117'. Circulated 5 hours. Cemented third stage as follows: 1160 sacks ( 1937 cu. ft.) Class "B" 65/35 poz, 6% gel 1/4# flocele, tailed with 50 sacks (59 cu. ft.) Class B neat cement plug down at 4:00 AM. Circulated cement to surface.

REMEDIAL CEMENT RECORD

Cemented stage tool at 6166' on 10-30-87 with 100 sacks (125 cu. ft.) 50/50 poz w/ 4% gel and 50 sacks (59 cu. ft.) neat cement. Squeeze to 3000 psi. Cemented again on 11-2-87 with 30 sacks ( 35 cu. ft.) neat cement. Squeeze to 3000 psi. Cemented on 11-3-87 with 50 sacks (59 cu. ft.) Class "B" neat cement and squeezed to 4000 psi. Pressure tested on 11-6-87 to 3000 psi after drilling cement. Held. Top of cement with CBL at 4805' KB.

GALLUP PERFORATIONS AND STIMULATION RECORD.

Spot 500 gals. 10% acedic acid at 6820 to 7520' KB. Ran CBL-VDL-GR-CCL from 7594' to surface. Perforated Lower Gallup from 7254 To 7520' with 1 jet shot per 2 foot. (0.59" hole) for a total of 135 holes. Acidized Lower Gallup with 3000 gals. 15% HCL acid and drop 200 ball sealers. Swab back acid, acid gas, and KCL water. Fractured treated Lower Gallup. with 30# gel at 58 bpm ATR at 2900 psi ATP with total of 180,000 # 20/40 sand in 172,284 gal gel water.

Set DBP on wireline to 7240'. Pressure tested BP to 3000 psi. Ok. Perforated Upper Gallup from 6860' to 7230' with 1 jet shot per 2 ft. interval (0.59 " hole) for a total of 185 holes. Acidized Upper Gallup with 3000 gals 15 % HCL acid

Did not frac Upper Gallup.