

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

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

RECEIVED

OCT 13 1987

I.

Operator Hixon Development Company	Other (Please explain)
Address P.O. Box 2810, Farmington, New Mexico 87499	
Reason(s) for filing (Check proper box)	
<input checked="" type="checkbox"/> New Well <input type="checkbox"/> Recompletion <input type="checkbox"/> Change in Ownership	Change in Transporter of: <input type="checkbox"/> Oil <input type="checkbox"/> Casinghead Gas <input type="checkbox"/> Dry Gas <input type="checkbox"/> Condensate

If change of ownership give name  
and address of previous owner \_\_\_\_\_

II. DESCRIPTION OF WELL AND LEASE

Lease Name Bill Geiger	Well No. 1	Pool Name, including Formation West Lindrith Gallup/Dakota	Kind of Lease State, Federal or Fee <u>State</u>	Lease No. NM 06855
Location Unit Letter <u>D</u> ; <u>790</u> Feet From The <u>North</u> Line and <u>930</u> Feet From The <u>West</u> Line of Section <u>34</u> Township <u>25N</u> Range <u>3W</u> , NMPM, <u>Rio Arriba</u> County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS


Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/> Giant Refinery	Address (Give address to which approved copy of this form is to be sent) 606 US Hwy 64, Bloomfield, N.M.					
Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> or Dry Gas <input type="checkbox"/> El Paso Natural Gas Co.	Address (Give address to which approved copy of this form is to be sent) P.O. Box 990, Farmington, N.M. 87499					
If well produces oil or liquids, give location of tanks.	Unit <u>D</u>	Sec. <u>34</u>	Twp. <u>25N</u>	Rge. <u>3W</u>	Is gas actually connected? <u>No</u>	When

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.

  
Aldrich L. Kuchera (Signature)  
Petroleum Engineer

(Title)

October 12, 1987

(Date)

OIL CONSERVATION DIVISION

APPROVED 10-12-87

BY Original Signed by FRANK T. CHAVEZ

SUPERVISOR DISTRICT # 3

TITLE \_\_\_\_\_

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

If this is a request for allowable for a newly drilled or deepened 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 allowable 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 condition.

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

#### IV. COMPLETION DATA

DESIGNATE TYPE OF COMPLETION - (X)										Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.		
Date Spudded 7-21-87										Date Compl. Ready to Prod. 9-30-87				Total Depth 8175' KB				P.B.T.D. 8130' KB	
Elevations (DF, RKB, RT, GR, etc.) 7195' GLE										Name of Producing Formation W. Lindrith Gal/Dk				Top Oil/Gas Pay 6882' KB				Tubing Depth 6791' KB	
Perforations 6880' - 7010', 7052' - 7182', 7820' - 7836', 7966' - 7986'														Depth Casing Shoe 8175' KB					
TUBING, CASING, AND CEMENTING RECORD																			
HOLE SIZE				CASING & TUBING SIZE				DEPTH SET				SACKS CEMENT							
12-1/4"				9-5/8"				346.69' KB				See Below							
8-3/4"				5-1/2"				8175' KB				See Below							
				2-7/8"				6791' KB											

#### 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 allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks 9-30-87		Date of Test 10-12-87		Producing Method (Flow, pump, gas lift, etc.) Flowing	
Length of Test 24 hours		Tubing Pressure 60 psig		Casing Pressure 1080 psig	Choke Size 3/4"
Actual Prod. During Test		Oil - Bbls. 612 bbls		Water - Bbls. 396 bbls	Gas - MCF 657 MCF

(load fluid recovery)

#### 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

#### Cement Record -

9-5/8" CSG - Cemented surface casing with 230 sks (271 cu ft) Class "B" cement containing 2% CaCl<sub>2</sub> and 1/4#/sk Celloflake.

5-1/2" CSG - 1st Stage - mixed and pumped 575 sks (782 cu ft) 50:50 Pozmix, containing 2% gel, 0.75% Halad 322 and 12.5#/sk Gilsonite.  
2nd Stage - cemented with 365 sks (1412 cu ft) Class "B" cement containing 3% Econolite and 1/4#/sk Flocele. Tailed in with 50 sks (59.0 cu ft) Class "B" containing 1/4#/sk Flocele.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE\*

(See other In-  
structions on  
reverse side)

Form approved.  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL:	OIL WELL <input checked="" type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input type="checkbox"/>	Other <input type="checkbox"/>		
b. TYPE OF COMPLETION:	NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	Other <input type="checkbox"/>

2. NAME OF OPERATOR  
Hixon Development Company

3. ADDRESS OF OPERATOR

P.O. Box 2810, Farmington, New Mexico 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface 790' FNL, 930' FWL, Sec. 34, T25N, R3W, N.M.P.M.

At top prod. interval reported below

At total depth

14. PERMIT NO.	DATE ISSUED

15. DATE SPUNDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GB, ETC.)*	19. ELEV. CASINGHEAD
7-21-87	8-6-87	9-30-87	7195' GLE	

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
8175' KB	8130' KB	N/A		X	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
6880' - 7010', 7052' - 7182', 7820' - 7836', 7966' - 7986'

25. WAS DIRECTIONAL SURVEY MADE  
Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN  
Gamma Ray Induction and Compensated Density Dual Spaced Neutron Logs

27. WAS WELL CORED  
No

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"		346.69' KB	12-1/4"	See attached	
5-1/2"		8175' KB	8-3/4"	See attached	

LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	6791' KB	

31. PERFORATION RECORD (Interval, size and number)

6880' - 7010'	0.44"	66 holes
7052' - 7182'	0.44"	66 holes
7820' - 7836'	0.44"	33 holes
7966' - 7986'	0.44"	41 holes

ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

32. DEPTH INTERVAL (MD)

6880'-7010'	Fraced with 87,000 gal 30# x-linker gel KCL water, 347,700 gal of 20# gel KCL water & 502,300# 20/40 Brady sand.
7052'-7182'	
7820'-7836'	
7966'-7986'	

PRODUCTION

33. DATE FIRST PRODUCTION 9-30-87

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing

WELL STATUS (Producing or shut-in) Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
11-24-87	24	3/4"		72	222	396 (load)	3083

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	FLUID RECOVERY (%)	WELL IDENTITY-API (CORR.)
80 psig	95 psig		72	222	396		39

DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Waiting for pipeline hookup

TEST WITNESSED BY

LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Aldrich L. Kuchera

November 30, 1987

\*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person to knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, flowing and shut-in pressures, and recoveries):				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
Fruitland	3444'					
Pictured Cliffs	3545'					
Lewis	3616'					
Cliffhouse	5248'					
Menefee	5580'					
Point Lookout	5704'					
Mancos	5868'					
Gallup	6882'					
Greenhorn	7713'					
Dakota	7810'					

## Cementing Record

- 9-5/8" CSG - Cemented surface casing with 230 sks (271 cu ft) Class "B" cement containing 2%  $\text{CaCl}_2$  and 1/4#/sk Celloflake.
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