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TRANSPORTER	OIL	
	GAS	
OPERATOR		
PRORATION OFFICE		

NEW MEXICO OIL CONSERVATION COMMISSION  
REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104  
Supersedes Old C-104 and C-1.  
Effective 1-1-65

B.K.

I. Operator  
Chace Oil Company, Inc.  
Address  
313 Washington, S.E. Albuquerque, New Mexico 9=87108  
Reason(s) for filing (Check proper box)  
New Well ☒ Change in Transporter of:  
Recompletion ☐ Oil ☐ Dry Gas ☐  
Change in Ownership ☐ Casinghead Gas ☐ Condensate ☐  
Other (Please explain)

If change of ownership give name  
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name Jicarilla 70	Well No. 8	Pool Name, Including Formation S. Lindreth Gallup-Dakota	Kind of Lease State, Federal or Fee Indian	Lease No. 70
Location Unit Letter "K" ; 1850' Feet From The SL Line and 1750' Feet From The WL Line of Section 27 Township 24N Range 4W , 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"/> The Permian Corporation Permian (Eff. 9 / 1 / 87)	Address (Give address to which approved copy of this form is to be sent) P. O. Box 1702, Farmington, NM 87401
Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> or Dry Gas <input type="checkbox"/> El Paso Natural Gas Company	Address (Give address to which approved copy of this form is to be sent) P. O. Box 1492, El Paso, Texas
If well produces oil or liquids, give location of tanks. Unit "A" Sec. 34 Twp. 24N Rge. 4W	Is gas actually connected? No When

If this production is commingled with that from any other lease or pool, give commingling order number: No

IV. COMPLETION DATA

Designate Type of Completion - (X)	X	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
Date Spudded 5//12/81	Date Compl. Ready to Prod. 7/15/81	Total Depth 7452'		P.B.T.D. 7411'					
Elevations (DF, RKB, RT, GR, etc.) 7019' KB 7007 GR	Name of Producing Formation Gallup-Dakota	Top Oil/Gas Pay 6110'-7035'-7270'		Tubing Depth 7257'					
Perforations 6110'-6290' 7035-7124' 7270-7290		Depth Casing Shoe 7449'							
TUBING, CASING, AND CEMENTING RECORD									
HOLE SIZE 9 5/8"	CASING & TUBING SIZE 8 5/8"		DEPTH SET 211'		SACKS CEMENT 225				
7 7/8"	4 1/2"		7449		1150				

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(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 6/22/81	Date of Test 8/1/81	Producing Method (Flow, pump, gas lift, etc.) Flowing & Pumping	
Length of Test 24 hr.	Tubing Pressure 50#	Casing Pressure 50#	Choke Size 2"
Actual Prod. During Test	Oil-Bbls. 56	Water-Bbls. 130	Gas-MCF 56

GAS WELL

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

VI. CERTIFICATE OF COMPLIANCE

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

Signature  
Lester M. Carey

(Title)

(Date)

OIL CONSERVATION COMMISSION

APPROVED

BY Original Signed by FRANK T. CHAVEZ

TITLE SUPERVISOR DISTRICT # 3

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.



# CHACE DEVELOPMENT CO., INC.

313 Washington E.E.

Albuquerque, New Mexico 87106

DSO: 244-3562

## WELL HISTORY

Chace Well Co.,  
Jensen 70-8  
Page 1

NAME OF WELL: JICARILLA 70-8

LOCATION: Unit "K", Sec. 27, T24N, R4W, Rio Arriba  
County, New Mexico.

ELEVATION: 7007'

LEASE: JICARILLA 70

### EXPECTED FORMATION TOPS:

Ojo	2450'
Pictured Cliffs	2895'
Chacra	3256'
Cliff House	4472'
Point Lookout	5100'
Gallup	6080'
Greenhorn	7000'
Dakota	7100'
Dakota "B"	7270'
Burro Chayon	7330'
TD	7450'

5/07/81 M Construction prepared location and road.

5/08/81 Mote set deadmen

5/12/81 Rigged up, drilled rat and mouse hole -  
drilled 22" of 5/8" surface casing hole - RAN 211'  
(KB depth 227'), cemented with 205 sacks  
of 5/8" surface pipe Class B cement and 2% cc., Plug down at  
12:00p.m., Cement circulated to 10' of  
surface, lost circulation - Halliburton  
went in surface with 1" pipe filled hole  
with 20 sxs class B cement. WOC

5/13/81 Depth 2250', Activity at report time - drilling, WL 5, Vis. 36,  
MH 9, Rotating hours 14 3/4, rig service 1/2, Trip in hole 1 3/4,  
Deviation survey 2 1/2" at 1476, Oil 10%, WOC 7 hours.

5/15/81 Depth 3515', Activity at report time - drilling, MH 9, WL 5.2, Vis.  
37, Oil 8%, Deviation survey 1 1/2" at 2588' & 1/2" at 3450', drilling  
16 1/2 hours, rig service 1/2, trip in hole 7.

5/16/81 Depth 4185', Deviation survey 1/2" at 3450', Vis. 37, MH 9, WL 5.5,  
Rotating hours 23 1/2, Service Rig 3/4, Activity at report time -  
drilling, Oil 7%.

5/17/81 Depth 4731', Deviation survey 1" at 4305', Activity at report time  
drilling, Vis. 36, MH 8.9, WL 6, Oil 5%, Rotating hours 19, Service  
rig 3/4, trip in hole 4 1/2.

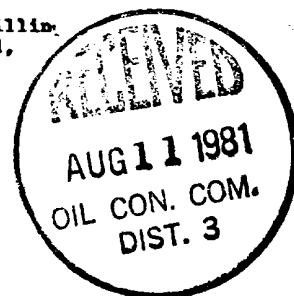
5/18/81 Depth 5350', Activity at report time - drilling, MH 8.9, Vis. 37, WL  
Oil 6%, Rotating hours 33 1/2, Service rig 3/4.

5/19/81 Depth 5840', Activity at report time - drilling, MH 9 1/2,  
WL 5.5, Oil 5%, Vis. 39, Service rig 3/4, Rotating hours  
21 1/2, Repair 2 hours.

5/20/81 Depth 6165', Activity at report time - drilling, MH 9 1/2,  
Vis. 38, WL 5.8, Oil 4%, deviation survey 1 1/2" at 5965',  
Rotating hours 16 1/2, trip in hole 5 3/4 hrs., rig service  
1/2, repair 1 1/2, loss circulation material 2 1/2.

5/21/81 Depth 6520', Activity at report time - drilling, MH 9.2,  
WL 6 1/2, Vis. 38, Oil 4%, Rotating hours 23 1/2 hours, Service  
rig 1/2.

5/22/81 Depth 6930', Vis. 37 1/2, Activity at report time - drilling,  
WL 5.8 1/2, MH 9.1 1/2, rotating hours 20 1/2, service rig 3/4,  
Oil 6 1/2, repair 3 hours.



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- 5/23/81 7:00 a.m. - drilling @7190', Vis. 38, WL 6cc's, MW 9.1, Oil 10%, will make trip to change bit, 12:00 p.m. trip 8 1/2 hrs reached TD of 7450'. DV 1/8" at 7194', Activity -drilling.
- 5/24/81 COH preparing to log. Started logging - hole bridged at 1240' and 1540' - went back in hole with drill pipe TD 3000' circulated 2 hours COOH - went in with log probe - would not go down below 1540' - WBH with drill pipe - circulated bad spot at 1545' for one hour. Raised mud viscosity to 220. Went down to 2500' circulated 4 hours. COOH with drill pipe Started logging at 11:00 p.m. - probe on bottom at 1:00 a.m. 5/25/81.
- 5/25/81 Completed logging at noon (5/25/81) ran induction and density logs, TD of log 7454'. COOH laying down drill Ran production casing consisting of 182 Jts of 4 1/2" - 10.5# casing to a depth of 7448.5' with float collar @7411.5', cement baskets set at 6937', 6374', 6003.5' and 2799' with DVTool @3001.3', Pumped in 1000 gal mud flush and cemented with 700 sxs 50-50 pos-mix w/2% gel, 6# salt and 6 1/2 lbs. gilsonite per sack. Plug down at 10:10 p.m. 5/25/81. Cement on first stage up to 4500'. Opened DV Tool and circulated 2 1/2 hrs.
- 5/26/81 Second stage - Pumped 1000 gals mud flush and cemented with 400 sxs of 65-45 pos-mix with 12% gel and 6 1/2# gilsonite per sack followed by 50 sxs class B neat cement. Plug down @1:15 a.m., 5/26/81. Cement to 900' from surface. Released rig - WOCT.
- 6/08/81 Moved Big A rig to well - rigged up and drilled out D.V. tool and cleaned out well to 7353'.
- 6/09/81 Preparing to perforate and frac. Lost rabbit in hole fishing.
- 6/10/81 Caught fish and finished cleaning out hole - spotted 500 gals. 10% acetic acid over 7300'-7100', perforated 7270'-7290' one SPF. Broke down perfs with acid and Kel water Breakdown pressure 2900' psig - Balled off perf - 3500 psig, no leak, flushed balls off perfs and frac'd with 56,500# 20-40 and 28,500 #'s of 10-20 mesh sand along with 51,500 gals of treated water. Breakdown pressure 2300#, ISIP 2100#, Average treating pressure - 3600#, Average Per min. - 34 bbls., SIP @15 min. 15 MSI - 1700#, Well almost sande off. Went in to set, Halliburton drillable wireline, bridge plug, tested cog to 4000#. Blue Jet has to work tool through sand at 6500', lucky we did not get stuck, but finally set BP @7190'. WIH to perforate Dakota "A". Found sand at 6500' COOH with gun. Ran tubing in to wash sand out, spotted acid from 750' to 6900'. COOH with tubing, went in with perforating guns and perforated from: 7035'-7040', 7048'-7050', 7060'-7062', 7102'-7108', 7110'-7124', OSPP. Balled off perf with 40 balls after breakdown. BDP 2200#. Pressure with balls on formation 3500# one hole was not covered. Flushed Balls off perfs and Frace'd 76,750# 20-40 sand plus 28,250# 10-20 mesh sand, and 69,000 gals gel water.
- ISIP - 2300#  
FSIP 1600# (after 15 min)  
AB/M 32 bbls.  
APDF 3700# average pressure during frac  
Frac went, well WIH with Halliburton drillable wireline bridge plug and set at 6360' tested csg to 4000# - COOH and WIH with perf. guns.  
Perfs. 6110'-13', 6122'-28'  
6150'-60', 6163'-67', 6262'-68'  
6271'-81', and 6286'-90'. 1SPF
- 6/11/81 Broke formation down with 2200#. Balled off with 60 balls pressure, held @3500#, Frace'd with 81,000# of 20-40 and 24,000# 10/20 mesh sand with 69,000 gals of gel water. Frac sande off during injection of 3 lbs. per gallon. Casing split at 4400 psig, left sand scatter in hole to 4600'. Wait 8 hrs. for sand to fall out. Ran tbgs. Tas sand @4660.66. Halliburton pressured up Csg. tp 2500 P.S.L. 1/10 B.P.M., (Packing Frac. sand.) Wash out sand to 4756'. Ran 1 jt. no sand. Circ hole clean, pump into hole - 6 B.P.M. @2000 Psi @4786.92. Cir. 60' sand out to 4849.92. Ran tbgs. to 5228 tag sand P.O.O.H., Ran Halliburton R.T.T.S. packer. Found hole 5165-97. Pull 10 Jts. to cement packer @4888. Wait on



WELL HISTORY CON'T.

*Case No. 70-8  
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6/11/81 (con't) on cement truck , pumped 25 sks class B  
with 2 1/2 C.C. & 6/10 of 1 1/2 Halad 9. 5 B.P.M. #2200  
Psi, cleared packer 1/4 Bbls., 600 P.S.I. shut in -  
wait 5 min. pump 1/4 Bbls. 600 P.S.I., wait 10 min.  
Pumped 1/4 Bbls., shut in 700 P.S.I., shut in 30 min.  
700 P.S.I.

6/12/81 WOC

6/13/81 Drilling out cement.

6/13/81 Release Packer P.O.O.H. Ran HTC 3 7/8 bit and tbg.  
Tagged cement 5107', drill out cement to 5197'. Wash  
60' of sand. Pressure test csg to 900 P.S.I., Circ-  
ulated hole, clean, shut down over Sunday.

6/14/81 Shut down

6/15/81 Wash out sand 5291' to 6360', drill out Bridge plug  
#6360', push bridge plug to 7088.76. P.O.O.H. for  
new bit, ran new H.T.C. 3 7/8 drill out rest of bridge  
plug and sand to 7190'. Drill out Bottom Bridge plug,  
push to 7277'. Circ. out sand to 7360'. Pull bit.

6/16/81 Ran 2 joints 63' Baker mod "R" Packer and 229 joints  
2 3/8 tbg. Set packer #7278. Gas on first run.

6/17/81 Tbg. 95 P.S.I. make 3 runs with swab, release packer  
P.O.O.H. Ran seating nipple and 230 joints 2 3/8"  
tbg. Landed #7256.47, K.B., Pull off B.O.P., Flange  
up well head. Rig unit down, Release rig @ 5:30 p.m.

6/22/81 Moved in swabbing unit - Swabbed water, gas and trace  
of oil, recovered approx 100 barrels fluid.

6/23/81 Moved in swabbing unit - swabbed water, gas and trace  
of oil, recovered approx 100 barrels fluid, #50 on  
casing pressure.

6/24/81 Swabbed water, gas and oil, oil increasing along with  
gas - casing pressure 100#.

6/25/81 Swabbed water, gas and oil, swabbing in tanks, oil  
increasing, casing pressure, 285#.

6/26/81 Swabbed water, gas and oil, oil increasing along with  
gas, casing pressure 285#

6/27/81 Swabbing in tanks, oil increasing, swabbing gas and water,  
casing pressure 385#, released swab unit, WOP

7/15/81 Installed pump jack, pumping water, oil, and gas. WOP.

7/16/81 Pumping, last report.

