

NO. OF COPIES RECEIVED		
DISTRIBUTION		
SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
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-11
Effective 1-1-65

B.K.

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

If change of ownership give name
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name Chace Apache 54	Well No. 9	Pool Name, Including Formation Chacon-Dakota Association	Kind of Lease Jicarilla State, Federal or Fee	Lease No. 54
Location Unit Letter "C" 1000 Feet From The North Line and 1850 Feet From The West Line of Section 3 Township 22N Range 4W, NMPM, Sandoval County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/> The Permian Corporation	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 type="checkbox"/> or Dry Gas <input type="checkbox"/> El Paso Natural Gas	Address (Give address to which approved copy of this form is to be sent) P. O. Box 1492, El Paso, NM 79978					
If well produces oil or liquids, give location of tanks.	Unit "C"	Sec. 3	Twp. 22N	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:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well X	Gas Well	New Well X	Workover	Deepen	Plug Back	Same Res'tv.	Diff. Res'tv.
Date Spudded 6/7/81	Date Compl. Ready to Prod. 8/11/81	Total Depth 7232	P.B.T.D. 7180'					
Elevations (DF, RKB, RT, GR, etc.) KB 7187' GR 7175	Name of Producing Formation Dakota	Top Oil/Gas Pay 6913-6984	Tubing Depth 6980'					
Perforations 6913-16, 6872-96, 6994-98, & 6970-84			Depth Casing Shoe 7217'					
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
9 5/8"	8 5/8"		220'		250			
7 7/8"	4 1/2"		7217'		1050			

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 8/1/81	Date of Test 8/11/81	Producing Method (Flow, pump, gas lift, etc.) Flowing & Swabbing	
Length of Test 24	Tubing Pressure 100#	Casing Pressure 800#	Choke Size 2"
Actual Prod. During Test	Oil - Bbls. 85	Water - Bbls. 125	Gas - MCF 200

GAS WELL

Actual Prod. Test-MCF/D 2	Length of Test	Oil - 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

OIL CONSERVATION COMMISSION

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.

APPROVED

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

By Ray McCarry
(Signature)
President
(Title)
8/12/81
(Date)



CHACE DEVELOPMENT CO., INC.

313 Washington S.E.
Albuquerque, New Mexico 87108
(505) 266-5562

NAME OF WELL: CHACE APACHE 54-9

LOCATION: Unit "C", Sec. 3, T22N, R3W, Sandoval County,
New Mexico.

ELEVATION: 7175' GR

LEASE: CHACE APACHE 54

EXPECTED FORMATION TOPS:

Ojo	1985'
Pictured Cliffs	2690'
Chacra	2965'
Point Lookout	4740'
Gallup	5700'
Greenhorn	6750'
Dakota "A"	6840'
Burro Canyon	7130'
TD	7500'

6/03/81 M Construction completed location.

6/04/81 Mote set deadman.

6/07/81 Spudded at 4:45 p.m., ran 5 joints - 208' of 8 5/8" - 20# casing. Landed at 220', KB cemented with 250 sxs of class B cement - 2%cc. Plug down at 12:00 a.m., ~~and set at 220'.~~ CEMENT (54413) TO SURFACE. W.O.C.

6/08/81 Depth 231', rotating hours 3, Vis. 34, WL 6, MW 8.5, trip in hole 1/4, Deviation Survey 1° at 231', Activity at report time - WOC, cement 2 hrs., circulating 1 3/4 hrs. rig up 6 1/4, WOC 6 hrs., Wait on Halliburton 3 1/4 hrs.

6/09/81 Depth 2500', Vis. 36, MW 9, WL 6, Oil 10%, trip in hole 5 1/4, Deviation Survey 1 1/4° at 1545', 1° at 2408', service rig 3/4 hrs., Activity at report time - drilling, rotating hours 12,

6/10/81 Depth 3480', Vis. 39, MW 9.1, WL 5.2, Oil 12%, Rotating hours 18 1/4, Activity at report time - drilling, trip in hole 4 1/4, repair rig 1/4, service rig 1/4, Deviation Survey 1° at 3375', ream to bottom 1/4.

6/11/81 Depth 4070', Deviation Survey 1/4° at 3812', MW 9.1, Vis. 37, WL 5, Oil 8%, Rotating hours 16 3/4, trip in hole 6 3/4 hrs., rig service 1/4.

6/12/81 Depth 4953', Activity at report time - drilling, rotating hours 23 1/4, Vis. 37, Oil 4%, MW 9.1, WL 5, service rig.

6/13/81 Depth 5645', Activity at report time - drilling, Vis. 38, MW 9.1, WL 5.8, Oil 6%, service rig 3/4, drilling - 23 1/4 hrs.

6/14/81 Depth 5990', Activity at report time - drilling, rotating hours 15 1/4, Vis. 38, WL 6, MW 9.2, Oil 4%, Deviation Survey 1° at 5785', trip in hole - 8 hrs., rig service 3/4 hrs.

6/15/81 Depth 6460', Vis. 3, & MW 39, WL 6, Oil 4%, Activity at report time - drilling, rotating hours - 23 1/4, service rig - 3/4 hrs.

for bit, Vis. 38, MW 9.1, WL 6, Deviation Survey 1" @ 6881', Trip in hole 5 1/4, rotating hours 7 1/4, service rig 3/4, rig repair 1/4, oil 6%.

- 6/16/81 Depth 7103', Activity at report time - drilling, Vis. 37, MW 9 1/2, WL 5.5, Trip 1, drilling 22 hrs., service rig 1 hr., oil 6%
- 6/17/81 Depth 7144', Activity at report time - logging, Deviation Survey 3/4" at 7144', Trip in hole - 4 1/4, Drilling - 7 1/4 hrs., Service rig 1/4, logging - 4 1/4, circulating and conditioning hole 8 hrs.
- 6/18/81 TD 7232', Ran induction and density logs. Completed logging 1130 a.m., Started in hole with drill pipe found bridge at 7160', circulated out and went to bottom. Circulated hole 1 1/4 hrs. COOH laying down drill pipe, OOH at 6:00 p.m., Ran 176 joints of 4 1/2" 10.5# casing (7217') with shoe at 7217'. Float collar @ 7180', cement basket at 6779' and 20' short joint at 6681'. D.V. Tool at 2809'. Ran 1000 gal mud flush and cemented first stage with 500 sxs 50-50 pos-mix, 2% gel, 6# salt, and 6 1/2# gilsonite per sack. Plug down 11:15 p.m., 6/18/81 Opened D. V. tool flushed with 1000 gals of mud flush and cemented with 500 sxs, 65-35 pos-mix 12% gel w/6 1/2# gilsonite per sack followed by 50 sxs class B neat.
- 6/19/81 Plug down 3:30 a.m., Released rig WOCT.
- 7/17/81 Moved in Big "A" Completion rig.
- 7/18/81 WIH with 3 7/8" bit and 2 3/8" tbg., cleaned out well to D.V. tool @ 2833'. Drilled out D.V. tool went to bottom of well @ 7141', circulated, clean and spotted 500 gals 10% acedic acid from 7141' to 6900'. Drilled tbg. and bit out of hole. Shut down.
- 7/19/81 Shut down
- 7/20/81 Blue Jet ran correlation log and perforated ISPF from 7075'-88' (Elec. log). Western broke down perf and balled off. Went in hole with packer and tbg. to test. Est. no. of barrels in formation-30. Set packer and swabbed down to 6000'. No show of gas. COH WT and packer. Ran bridge plug. Halliburton wire line and set at 7058'. Tested csg. to 4000# good. Perforated 6970'-98'. SPF broke down perf at 3200# balled off. Ran ball basket to knock balls off.perfs. Did not pick up any. Fracked zone 1109 bbls jell water and 54,000# 20-40 sand.
- | | |
|------------------------|-----------|
| Avg. treating pressure | 3450# |
| Min. treating pressure | 2950 |
| Max. treating pressure | 3800 |
| Avg. inj. rate | 26 B.P.M. |
| ISDP | 2400# |
| FISIP after 15 min. | 2100# |
- Went in with Halliburton wire line B.P. and set at 6958'. Tested csg. perforated 6872'-96' and 6913'-16', (ISPF) all perfs. 32 Dia. Broke down perfs. B.D.P. was 3000# - balled off. went in with ball retriever and picked up 33 balls. Fracked zone with 88,000# 20-40 sand and 1240 barrels gel (30#) water.
- | | |
|------------------------|-----------|
| Avg. treating pressure | 3250# |
| Max. treating pressure | 4000# |
| Avg. treating pressure | 3500# |
| Avg. Inj. rate | 36 B.P.M. |
| ISDP | 2500# |
| FISIP after 15 min. | 2100# |
- Shut well in 2:30 a.m. (7/21/81).
- 7/21/81 8:00 a.m., 1500# on csg. opened well up to bled off pressure. WIH with bit and tubing to drill out upper B.P. Circulated out 40' sand and set down on bridge plug. Broke bit cone off in well. Shut down.
- 7/22/81 Milled out cone and bridge plug. Well kicking at 7016' encountered object (?) that cut off circulation.