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NEW MEXICO OIL CONSERVATION COMMISSION

(Form C-104)
Revised 7/1/57

Santa Fe, New Mexico

REQUEST FOR (OIL) - (GAS) ALLOWABLE

~~XXXXXXXXXX~~
New Well
Recompletion

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when new oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

Farmington, New Mexico October 26, 1964
(Place) (Date)

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:

El Paso Natural Gas Company Atlantic Well No. L-B in NE 1/4 NE 1/4,
(Company or Operator) (Lease)

A, Sec. 33, T. 31N, R. 10W, NMPM, Blanco Mesa Verde Pool
Unit Letter Workover Started W/O
San Juan County Date Started 9-29-64 Date Completed 10-12-64

Please indicate location:

D	C	B	A
			X
E	F	G	H
L	K	J	I
M	N	O	P

Elevation 6155' GL, 6165' DP Total Depth 5260 COR'D 5225

Top of Gas Pay 4580' (Perf) Name of Prod. Form. Mesa Verde

PRODUCING INTERVAL - 4580-86, 4596-4602, 4636-42, 4654-60, 5100-12

Perforations 5126-38, 5162-68, 5184-90

Open Hole None Depth 5259 Casing Shoe 5186 Tubing 5186

OIL WELL TEST -

Natural Prod. Test: _____ bbls. oil, _____ bbls water in _____ hrs, _____ min. Size _____

Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of Choke load oil used): _____ bbls. oil, _____ bbls water in _____ hrs, _____ min. Size _____

GAS WELL TEST -

Natural Prod. Test: _____ MCF/Day; Hours flowed _____ Choke Size _____

Method of Testing (pitot, back pressure, etc.): _____

Test After Acid or Fracture Treatment: 12,575 MCF/Day; Hours flowed 3

Choke Size 3/4" Method of Testing: Calculated A.O.F.

Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and sand): 50,000# sand, 54,420 gal. water; 40,000# sand, 38,170 gal water

Casing Press. 833 Tubing Press. 825 Date first new oil run to tanks _____

Oil Transporter El Paso Natural Gas Company

Gas Transporter El Paso Natural Gas Company

Remarks: See Workover on back.

RECEIVED

OCT 29 1964

I hereby certify that the information given above is true and complete to the best of my knowledge.
Approved OCT 29 1964, 19..... El Paso Natural Gas Company DIST. 3
(Company or Operator)

OIL CONSERVATION COMMISSION

By ORIGINAL SIGNED E. S. OBERLY
(Signature)

By: Original Signed Emery C. Arnold

Title Petroleum Engineer

Title Supervisor Dist. # 3

Send Communications regarding well to:

Name E. S. Oberly

Address Box 990, Farmington, New Mexico

WORKOVER

9-30-64 Set IM retainer at 4389', cemented open hole w/300 sks. regular, 1/4 cu. ft. strata-crete "6"/sk., followed w/100 sks. regular, 12% sand and 1% calcium chloride. Pressured to 3300# for 3 1/2 minutes. Ran casing inspection log to 2971', perf. 4 squeeze holes at 2450', hole caved and filled to 333'. Set IM retainer at 300', squeezed bad casing at 333' w/300 sks. cement, first mudred sacks mixed w/20% Cal-Seal and 3% HA-5, followed by 200 sks. w/3% HA-5. Squeeze job on vacuum, cement circulated thru Bradenhead valve. Re-squeezed w/100 sks. regular, 3% HA-5, 1200# standing pressure. W.O.C. 8 hours. Drilling retainer and cement. Drilled out of cement at 580'. Hole turned wet. Dried up hole. Cleaned out to 2700'. Set IM retainer at 2132'. Squeezed through perfs. at 2450' w/200 sks. regular, max. pr. 2100#, standing pr. 1700#, blew well dry. Drilling on retainer at 2132'. Drilled retainer and dry cement to 2457'. Cleaning out, located hole in casing at 2547'. Set bridge plug, spotted 50 sks. cement across hole, squeezed 2 bbls. in formation, top of cement at 2441'. Drilled out cement to 4476'. Drilled 4 3/4" hole w/knuckle joint to 4490'. Junk fell in hole, unable to drill w/corehead, trip for 6 1/8" bit to open up hole. Cleaned out to 4491' w/6 1/8" bit. Second trip in w/knuckle joint at 4491'. Opened up whipstock hole from 4 3/4" to 6 1/8" from 4491' to 4503' w/pilot hole opener. Drilled 4 3/4" hole to 4515'. Drilling 6 1/8" whipstock hole w/gas. Reached total depth of 5260'. Ran 159 joints 4 1/2", 10.5#, J-55 casing (5249.15') set at 5259.15'. Float collar at 5227', DV tool at 2665'. Cemented first stage w/200 sks. 1:1 Pozmix and class "A" cement, 4% gel, 1/4# Floclote/sk. Cemented second stage w/100 sks. class "C" cement. Top of cement at 1500'. Drilled DV tool. Perf. Point lookout 5100-12, 5126-38 w/1 SPT, 5162-68, 5184-90 w/2 SPT, frac w/50,000# 20/40 sand, 54,420 gallons water w/2# FR-8/1000 gal., flushed w/4500 gal. water. I.R. 55 BPM, Max. pr. 4000#, BDP 4000#, tr. pr. 1000-2200-4000#, dropped 3 sets of 12 balls each. ISIP 100# to vacuum. Set bridge plug at 4700', tested w/4000#. Perf. Cliff House 4580-86, 4596-4602, 4636-42, 4654-60 w/2 SPT. Frac w/40,000# 40/60 sand, 38,170 gallons water w/2# FR-8/1000 gal., flushed w/3130 gallons water. I.R. 47.7 BPM. Max. pr. 4000#, BDP 2100#, tr. pr. 1600-2200-2500#. Dropped 3 sets of 12 balls each. ISIP 300# to vacuum. Blowing well. Ran 167 joints 2 3/8" RUE, 4.7#, J-55 tubing (5175.73') set at 5185.73'. Perfs. at 5151.47', SN @ 5150.62'. Released rig.

10-1-64 HA-5. Squeeze job on vacuum, cement circulated thru Bradenhead valve. Re-squeezed w/100 sks. regular, 3% HA-5, 1200# standing pressure. W.O.C. 8 hours. Drilling retainer and cement. Drilled out of cement at 580'. Hole turned wet. Dried up hole. Cleaned out to 2700'. Set IM retainer at 2132'. Squeezed through perfs. at 2450' w/200 sks. regular, max. pr. 2100#, standing pr. 1700#, blew well dry. Drilling on retainer at 2132'. Drilled retainer and dry cement to 2457'. Cleaning out, located hole in casing at 2547'. Set bridge plug, spotted 50 sks. cement across hole, squeezed 2 bbls. in formation, top of cement at 2441'. Drilled out cement to 4476'. Drilled 4 3/4" hole w/knuckle joint to 4490'. Junk fell in hole, unable to drill w/corehead, trip for 6 1/8" bit to open up hole. Cleaned out to 4491' w/6 1/8" bit. Second trip in w/knuckle joint at 4491'. Opened up whipstock hole from 4 3/4" to 6 1/8" from 4491' to 4503' w/pilot hole opener. Drilled 4 3/4" hole to 4515'. Drilling 6 1/8" whipstock hole w/gas. Reached total depth of 5260'. Ran 159 joints 4 1/2", 10.5#, J-55 casing (5249.15') set at 5259.15'. Float collar at 5227', DV tool at 2665'. Cemented first stage w/200 sks. 1:1 Pozmix and class "A" cement, 4% gel, 1/4# Floclote/sk. Cemented second stage w/100 sks. class "C" cement. Top of cement at 1500'. Drilled DV tool. Perf. Point lookout 5100-12, 5126-38 w/1 SPT, 5162-68, 5184-90 w/2 SPT, frac w/50,000# 20/40 sand, 54,420 gallons water w/2# FR-8/1000 gal., flushed w/4500 gal. water. I.R. 55 BPM, Max. pr. 4000#, BDP 4000#, tr. pr. 1000-2200-4000#, dropped 3 sets of 12 balls each. ISIP 100# to vacuum. Set bridge plug at 4700', tested w/4000#. Perf. Cliff House 4580-86, 4596-4602, 4636-42, 4654-60 w/2 SPT. Frac w/40,000# 40/60 sand, 38,170 gallons water w/2# FR-8/1000 gal., flushed w/3130 gallons water. I.R. 47.7 BPM. Max. pr. 4000#, BDP 2100#, tr. pr. 1600-2200-2500#. Dropped 3 sets of 12 balls each. ISIP 300# to vacuum. Blowing well. Ran 167 joints 2 3/8" RUE, 4.7#, J-55 tubing (5175.73') set at 5185.73'. Perfs. at 5151.47', SN @ 5150.62'. Released rig.

10-11-64 Perf. Point lookout 5100-12, 5126-38 w/1 SPT, 5162-68, 5184-90 w/2 SPT, frac w/50,000# 20/40 sand, 54,420 gallons water w/2# FR-8/1000 gal., flushed w/4500 gal. water. I.R. 55 BPM, Max. pr. 4000#, BDP 4000#, tr. pr. 1000-2200-4000#, dropped 3 sets of 12 balls each. ISIP 100# to vacuum. Set bridge plug at 4700', tested w/4000#. Perf. Cliff House 4580-86, 4596-4602, 4636-42, 4654-60 w/2 SPT. Frac w/40,000# 40/60 sand, 38,170 gallons water w/2# FR-8/1000 gal., flushed w/3130 gallons water. I.R. 47.7 BPM. Max. pr. 4000#, BDP 2100#, tr. pr. 1600-2200-2500#. Dropped 3 sets of 12 balls each. ISIP 300# to vacuum. Blowing well. Ran 167 joints 2 3/8" RUE, 4.7#, J-55 tubing (5175.73') set at 5185.73'. Perfs. at 5151.47', SN @ 5150.62'. Released rig.

10-12-64 Ran 167 joints 2 3/8" RUE, 4.7#, J-55 tubing (5175.73') set at 5185.73'. Perfs. at 5151.47', SN @ 5150.62'. Released rig.