

[illegible]

U. S. LAND OFFICE Jicarilla Tribal
SERIAL NUMBER Jicarilla "CW"
LEASE OR PERMIT TO PROSPECT -----
Contract #34
Tract #79

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Skelly Oil Company Address Drawer 510, Farmington, New Mexico
 Lessor or Tract Vicarrilla "C" Field Otero-Chacra & South Blanco- PC State New Mexico
 Well No. 17 Sec. 28 T 25N. R. 5W Meridian NMPM County Rio Arriba
 Location 1190 ft. (M) of N Line and 1190 ft. (E) of E Line of Section 28 Elevation 6607'
 (Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

(Signed) P. E. Connor

so far as can be determined from all available records. (Signed) P. E. Gosper
Signed _____
Date September 9, 1960 Title District Superintendent

The summary on this page is for the condition of the well at above date.

Commenced drilling November 21, 1957 Finished drilling December 15, 1957

Oil or Gas Sands or Zones

(Denote gas by G)

No. 1, from 3500 to 3530 No. 4, from to
No. 2, from 3590 to 3614 No. 5, from to
No. 3, from 2631 to 2668 No. 6, from to

IMPORTANT WATER SANDS

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
See Original Log					

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

[illegible]

TOOLS USED

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Put to producing
~~Shut in for pipe line connection~~
September 7, 1960

The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

EMPLOYEES

_____	, Driller	_____	, Driller
_____	, Driller	_____	, Driller

FORMATION RECORD

FORMATION RECORD			
FROM—	TO—	TOTAL FEET	FORMATION
See Original Log			

(OVER)

16-43094-4

FROM	TO	TOTAL FEET	FORMATION
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HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing. Requested perforations 4690-47181, 4729-47401, 4741-47431, 4745-47471, 4748-47501, 4751-47531, 4754-47561, 4757-47591, 4760-47621, 4763-47651, 4766-47681, 4769-47711, 4772-47741, 4775-47771, 4778-47801, 4781-47831, 4784-47861, 4787-47891, 4790-47921, 4793-47951, 4796-47981, 4799-48011, 4802-48041, 4805-48071, 4808-48101, 4811-48131, 4814-48161, 4817-48191, 4820-48221, 4823-48251, 4826-48281, 4829-48311, 4832-48341, 4835-48371, 4838-48401, 4841-48431, 4844-48461, 4847-48491, 4850-48521, 4853-48551, 4856-48581, 4859-48611, 4862-48641, 4865-48671, 4868-48701, 4871-48731, 4874-48761, 4877-48791, 4880-48821, 4883-48851, 4886-48881, 4889-48911, 4892-48941, 4895-48971, 4898-49001, 4901-49031, 4904-49061, 4907-49091, 4910-49121, 4913-49151, 4916-49181, 4919-49211, 4922-49241, 4925-49271, 4928-49301, 4931-49331, 4934-49361, 4937-49391, 4940-49421, 4943-49451, 4946-49481, 4949-49511, 4952-49541, 4955-49571, 4958-49601, 4961-49631, 4964-49661, 4967-49691, 4970-49721, 4973-49751, 4976-49781, 4979-49811, 4982-49841, 4985-49871, 4988-49901, 4991-49931, 4994-49961, 4997-49991, 5000-50021, 5003-50051, 5006-50081, 5009-50111, 5012-50141, 5015-50171, 5018-50201, 5021-50231, 5024-50261, 5027-50291, 5030-50321, 5033-50351, 5036-50381, 5039-50411, 5042-50441, 5045-50471, 5048-50501, 5051-50531, 5054-50561, 5057-50591, 5060-50621, 5063-50651, 5066-50681, 5069-50711, 5072-50741, 5075-50771, 5078-50801, 5081-50831, 5084-50861, 5087-50891, 5090-50921, 5093-50951, 5096-50981, 5099-51011, 5102-51041, 5105-51071, 5108-51101, 5111-51131, 5114-51161, 5117-51191, 5120-51221, 5123-51251, 5126-51281, 5129-51311, 5132-51341, 5135-51371, 5138-51401, 5141-51431, 5144-51461, 5147-51491, 5150-51521, 5153-51551, 5156-51581, 5159-51611, 5162-51641, 5165-51671, 5168-51701, 5171-51731, 5174-51761, 5177-51791, 5180-51821, 5183-51851, 5186-51881, 5189-51911, 5192-51941, 5195-51971, 5198-52001, 5201-52031, 5204-52061, 5207-52091, 5210-52121, 5213-52151, 5216-52181, 5219-52211, 5222-52241, 5225-52271, 5228-52301, 5231-52331, 5234-52361, 5237-52391, 5240-52421, 5243-52451, 5246-52481, 5249-52511, 5252-52541, 5255-52571, 5258-52601, 5261-52631, 5264-52661, 5267-52691, 5270-52721, 5273-52751, 5276-52781, 5279-52811, 5282-52841, 5285-52871, 5288-52901, 5291-52931, 5294-52961, 5297-52991, 5300-53021, 5303-53051, 5306-53081, 5309-53111, 5312-53141, 5315-53171, 5318-53201, 5321-53231, 5324-53261, 5327-53291, 5330-53321, 5333-53351, 5336-53381, 5339-53411, 5342-53441, 5345-53471, 5348-53501, 5351-53531, 5354-53561, 5357-53591, 5360-53621, 5363-53651, 5366-53681, 5369-53711, 5372-53741, 5375-53771, 5378-53801, 5381-53831, 5384-53861, 5387-53891, 5390-53921, 5393-53951, 5396-53981, 5399-54011, 5402-54041, 5405-54071, 5408-54101, 5411-54131, 5414-54161, 5417-54191, 5420-54221, 5423-54251, 5426-54281, 5429-54311, 5432-54341, 5435-54371, 5438-54401, 5441-54431, 5444-54461, 5447-54491, 5450-54521, 5453-54551, 5456-54581, 5459-54611, 5462-54641, 5465-54671, 5468-54701, 5471-54731, 5474-54761, 5477-54791, 5480-54821, 5483-54851, 5486-54881, 5489-54911, 5492-54941, 5495-54971, 5498-55001, 5501-55031, 5504-55061, 5507-55091, 5510-55121, 5513-55151, 5516-55181, 5519-55211, 5522-55241, 5525-55271, 5528-55301, 5531-55331, 5534-55361, 5537-55391, 5540-55421, 5543-55451, 5546-55481, 5549-55511, 5552-55541, 5555-55571, 5558-55601, 5561-55631, 5564-55661, 5567-55691, 5570-55721, 5573-55751, 5576-55781, 5579-55811, 5582-55841, 5585-55871, 5588-55901, 5591-55931, 5594-55961, 5597-55991, 5600-56021, 5603-56051, 5606-56081, 5609-56111, 5612-56141, 5615-56171, 5618-56201, 5621-56231, 5624-56261, 5627-56291, 5630-56321, 5633-56351, 5636-56381, 5639-56411, 5642-56441, 5645-56471, 5648-56501, 5651-56531, 5654-56561, 5657-56591, 5660-56621, 5663-56651, 5666-56681, 5669-56711, 5672-56741, 5675-56771, 5678-56801, 5681-56831, 5684-56861, 5687-56891, 5690-56921, 5693-56951, 5696-56981, 5699-57011, 5702-57041, 5705-57071, 5708-57101, 5711-57131, 5714-57161, 5717-57191, 5720-57221, 5723-57251, 5726-5728

September 7, 1960.
Officially dual completed as a Pictured Chitra - Gas and Chakra - Gas well on
Flowing tubing pressure 67#.
tubing on 3/4" positive choke for a calculated AOF potential of 970 MCF gas per day.
After 3 hour test period Chakra Gas gauged 932 MCF per day, flowing through 2"
pressure 158#. 3 day shut in pressure on Chakra 797#.
positive choke for a calculated AOF potential of 2138 MCF per day. Flowing casing
Chitra Gas gauged 1865 MCF per day, flowing through casing-tubing annulus on 3/4"
4 day shut in pressure on Pictured Chitra 576#. After 3 hour test period Pictured
barrels per minute. Baker Model "D" production packer set at 3450'.
of sand and 40,000 gallons water. Breakdown pressure 1700#. Injection rate 67
2631-2668'. Treated Pictured Chitra formation down 5 1/2" OD casing with 40,000#
w/4 holes and 2631-2668' w/1 1/2 holes - Sand Frac Job No. 4 casing perforations
Perforated 5 1/2" OD casing with 4 Welox super jets per foot as follows: 2667'-2668'
down pressure 1600#. Injection rate 16 barrels per minute.
formation down 5 1/2" OD casing with 40,000# of sand and 40,000 gallons water. Break-
Sand Frac Job No. 3 casing perforations 3590-3617' and 3500-3530'. Treated Chakra
w/4 holes, 3590-3617' w/92 holes, 3500-3530' w/120 holes.
Perforated 5 1/2" OD casing with 4 Welox Super jets per foot as follows: 3613'-3617'
and circulated out 20 sacks. Squeeze pressure 4000#. BPTD 4590'.
sacks of cement. Squeezed 68 sacks into formation, left 12 sacks in 5 1/2" OD casing
and 4769-4772' with 100
4769-4772', 4774-4768', 4729-4740', 4690-4718', 4729-4740', 4774-4768', 4769-4772' with 100
sacks of cement. Squeezed 68 sacks into formation, left 12 sacks in 5 1/2" OD casing
and circulated out 20 sacks. Squeeze pressure 4000#. BPTD 4590'.
Perforated 5 1/2" OD casing with 4 Welox Super jets per foot as follows: 3613'-3617'
w/4 holes, 3590-3617' w/92 holes, 3500-3530' w/120 holes.
Sand Frac Job No. 3 casing perforations 3590-3617' and 3500-3530'. Treated Chakra
formation down 5 1/2" OD casing with 40,000# of sand and 40,000 gallons water. Break-
down pressure 1600#. Injection rate 16 barrels per minute.
Perforated 5 1/2" OD casing with 4 Welox super jets per foot as follows: 2667'-2668'
w/4 holes and 2631-2668' w/1 1/2 holes - Sand Frac Job No. 4 casing perforations
of sand and 40,000 gallons water. Breakdown pressure 1700#. Injection rate 67
barrels per minute. Baker Model "D" production packer set at 3450'.
4 day shut in pressure on Pictured Chitra 576#. After 3 hour test period Pictured
positive choke for a calculated AOF potential of 2138 MCF per day. Flowing casing
After 3 hour test period Chakra Gas gauged 932 MCF per day, flowing through 2"
tubing on 3/4" positive choke for a calculated AOF potential of 970 MCF gas per day.
Officially dual completed as a Pictured Chitra - Gas and Chakra - Gas well on
September 7, 1960.

LEW RAD 90 JIO 70 DOJ

UNITED STATES DISTRICT COURT
SOUTHERN DISTRICT OF NEW YORK
JANUARY 14, 1968

