CASE 2876: Appli. of CONSOLIDATED OIL & GAS for an unorthodox location, Rio Arriba County, N. Mex.

CASE NO. 2876

Application,
Transcripts,
Small Exhibits
ETC.

DRAFT

DSN/esr
August 26, 1963

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

CASE No. 2876

Order No. R-2557

APPLICATION OF CONSOLIDATED OIL
& GAS, INC., FOR AN UNORTHODOX
LOCATION, RIO ARRIBA COUNTY,
NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on August 21, 1963, at Santa Fe, New Mexico, before Daniel S. Nutter, Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this _____ day of August, 1963, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Daniel S. Nutter, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, Consolidated Oil & Gas, Inc., seeks authority to complete its Jicarilla Well No. 4-8 in the Blanco-Mesaverde Gas Pool at an unorthodox location 1550 feet from the North line and 890 feet from the West line of Section 8, Township 26 North, Range 5 West, NMPM, Rio Arriba County, New Mexico.

(3) That the applicant commenced drilling operations at the above location with the intention of completing the subject well as a Basin Dakota-Tapacito Pictured Cliffs dual completion; that the applicant encountered mechanical difficulties in drilling said well which rendered it infeasible to complete the well in the Basin-Dakota Gas Pool.

(4) That approval of the subject application will neither cause waste nor impair correlative rights.

(5) That approval of the subject application will prevent economic waste caused by the drilling of an unnecessary well.

IT IS THEREFORE ORDERED:

(1) That the applicant, Consolidated Oil & Gas, Inc., is hereby authorized to complete its Jicarilla Well No. 4-8 at an unorthodox location in the Blanco-Mesaverde Gas Pool 1550 feet from the North line and 890 feet from the West line of Section 8, Township 26 North, Range 5 West, NMPM, Rio Arriba County, New Mexico.

(2) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

Consolidated Oil & Gas, Inc.

Executive Offices
4150 EAST MEXICO AVENUE
DENVER 22, COLORADO
PHONE: 757-5441

July 12, 1963

Mr. A. L. Porter
Oil & Gas Conservation Commission
State of New Mexico
P. O. Box 871
Santa Fe, New Mexico

Dear Mr. Porter:

Request for Hearing, Unorthodox Mesaverde Location
Consolidated Jicarilla No. 4-8, NW/4 Section 8,
T26N, R5W, Rio Arriba County, New Mexico

This is to request permission for the above-referenced unorthodox location to vary from that prescribed by R-1670, Paragraph A, Rule 2 of Section II of the Rules and Regulations, Oil Conservation Commission of the State of New Mexico. This well was originally to be completed from the Dakota Zone.

Reason for this request is due to severe drilling conditions which necessitated whipstocking to side-track junk. It is believed that the hazards and expense of continuing to the Dakota Zone are unjustified.

Permission to complete this well from the Mesaverde Zone is requested. An early hearing date for this request would be very much appreciated. Offset operators are being notified of this request.

Yours very truly,

CONSOLIDATED OIL & GAS, INC.

George E. Farmar, Assistant to the President

GEF:pt

cc: Aztec Oil & Gas Company
Humble Oil & Refining Company
Northwest Production Company
Occidental Petroleum Corporation

DOCKET MAILED

Case 2876

NORTHWEST PRODUCTION CORPORATION
351 MYRTLE AVENUE POST OFFICE BOX 1796
EL PASO 49, TEXAS

July 15, 1963

Oil and Gas Conservation Commission
State of New Mexico
P.O. Box 871
Santa Fe, New Mexico

Re: Unorthodox Mesaverde Location
Consolidated Oil & Gas Co., Inc.
Jicarilla Well No. 4-8.

Gentlemen:

Northwest Production Corporation has received copy of a petition directed to the New Mexico Oil and Gas Conservation Commission seeking an unorthodox Mesaverde location for Consolidated Oil & Gas Co., Inc. Jicarilla well No. 4-8, located in Sec. 8, T26N, R5W, Rio Arriba County, New Mexico.

As an offset operator, Northwest Production has no objection to the unorthodox Mesaverde location sought by Consolidated Oil & Gas Co., Inc. for their Jicarilla well No. 4-8.

Very truly yours,

NORTHWEST PRODUCTION CORPORATION

Ray Phillips, Jr.

Ray Phillips, Jr., Manager
Production Operations

Rp/jap

cc: Consolidated Oil & Gas Co., Inc.
4150 East Mexico Avenue
Denver 22, Colorado

DOCKET MAILED
Date 7/24/63

WELL: JICARILLA NO. 4-8

1550' F/NL, 890' F/WL, Sec. 8, T26N-R5W

FIELD: Basin Dakota, Tapicito Pictured Cliffs

COUNTY: Rio Arriba STATE: New Mexico

ELEVATIONS: 6958' GL

_____ KB

5/26/63

Finished rigging up. Spudded in at 9 p.m. 5-25-63. Drilling at 293'. 13 3/4" hole. 1/2° Dev. at 100', 1/2° at 250'. Preparing to set surface.

5/27/63

Ran 10 joints 9 5/8" surface casing, set at 293' from KB. Cemented with 225 sx. regular 2% calcium chloride. Plug down at 10:30 a.m. 5-26-63. Good return on cement. Nippled up, pressured up to 1000#. Drilled out. Present operation drilling at 1000'. Drilled 707' with Bit Bit 1. Mud weight 8.9, Visc. 36, water loss 9.4, 1/4° Dev. at 500' and 1/4° Dev. at 950'.

5/28/63

Depth 2020', drilled 1020' sand and shale. Present operation drilling with Bit 2. Mud weight 9.0, Visc. 32, water loss 9.4. 1 1/4° Dev. at 1521'. 3/4° Dev. at 1922'.

5/29/63

Depth 2915'. Drilled 895' sand and shale. Present operation drilling with Bit 3. Mud weight 9.0, Visc. 35, water loss 9.4, 3/4° Dev. at 2600'.

5/30/63

Depth 3310'. Drilled 395' sand and shale. Mud weight 9.0, Visc. 35, water loss 11.4, 1/4° Dev. at 3210'. Present operation making trip for Bit 5.

5/31/63

Depth 3633'. Drilled 323' sand and shale. Present operation making trip for Bit 6. Mud weight 9.0, Visc. 40, water loss 10. 1/4° Dev. at 3600'.

6/1/63

Depth 3750'. Drilled 117' sand and shale. Present operation waiting on logging tool to log thru drill pipe. Tried to run open hole log, could not get below 2675'. Went back in hole with drill pipe. Will log thru drill pipe.

WELL: JICARILLA NO. 4-8

6/2/63

Logged well thru drill pipe. Rigged up and ran 103 joints 7" 23# ST&C casing, total 3728.94. Set @ 3726.94 KB. Float collar @ 3699' KB. One centralizer on shoe joint, one centralizer @ 3413' KB. Cemented with 100 sx. 50-50 Diamix "A", tailed in with 64 sx 50-50 Diamix "A" 2% calcium chloride. Plug down at 3:45 p.m.6-1-63. Good returns throughout cement job. Bumped plug with 1500#, held okay. Present operation blowing well down @ 2300'.

6/3/63

Depth 3833'. Drilled 83' sand and shale. Present operation blowing hole 360' off bottom. Well was dusting good while drill pipe started torquing up. Pulled up 1000'. Pipe out of hole, broke circulation. Present operation blowing back to bottom with gas.

6/4/63

Depth 3833'. Cannot get hole to dry up. Well will make some dust, some mud balls and light spray of moisture at times. Preparing to load hole with water. Will clean out to 3833'. Will run Baker full bore packer. Will set in shoe joint and squeeze.

6/5/63

Cleaned out to 3833' TD. Loaded hole with water and circulated hole clean. Came out of hole, put Baker full bore packer on. Ra[illegible] to 3705' KB and set in 7" shoe joint. Pressured up on back side of packer to 1700#. Held okay. Pumped fluid down drill pipe, hole taking aluid at 4 bbls per minute. Released packer, came up hole, reset packer at 3551' KB. Pressured up on back side of packer to 1500#. Held okay. Pumped water down drill pipe rate of 4 bbls per minute at 1100#. Stopped pumps for 5 minutes. Pressure stopped from 1100# to 800# in 5 minutes. Pressure still falling. Started squeeze. Squeezed 35 sx regular cement 2% calcium chloride into formation. Left 20 sx in casing. Maximum squeeze pressure 2100#. Job completed at 10 p.m. 6-4-63. Came out of hole with packer. Pressured up on casing to 1500#. Held okay. Started blowing hole down. Present operation b lowing hole down at 3400'.

6/6/63

Depth 3887'. Drilled 49'. Blew well down with gas to top of cement at 3572'. Drilled firm cement to 3833'. Well disted good to this depth. Drilled on to 3873' with 50% returns. At 3873' well stopped dusting. Drilled on to 3887' without any dust. Present operation pulling out of hole to check drill pipe for mud rings.

WELL: JICARILLA NO. 4-

6/7/63

Depth 3944'. Drilled 57'. Well had intermittent sand part of the time. Came out of hole, put on Baker full bore packer - ran and set at 3620' from KB. Rigged up BJ - pressured up on down drill pipe. Formation broke down at 1500#. Pumped in 5 bbls per minute at 1200#. Let well set 10 minutes. Pressure held at 1000#. Pumped cement in. Cleared tool by 1 1/2" tubing. Let well set 10 minutes - pumped 1/4 bbls, no increase. Let well set 15 minutes. No increase. Let well set 25 minutes, pressured up to 1900#. Let well set 12 minutes, pressure dropped to 1750#. Pumped up to 2500#. Left well for 15 minutes. No decrease in pressure. Well squeezed at 5 a.m. with 40 sx regular 2% calcium chloride into formation. 35 sx left in open hole casing. Start drilling out at 2 p.m. today.

6/8/63

Waiting on cement. Blew and dried hole up. Top of cement @ 3662'. 3662'-3685' - wet spotted cement. 3685' - 3810' - dust - good. Hit 2" stream of water @ 3810'. Blew hole 4 hours. Water has gone from 2" stream to 1/4" stream in 4 hours. Present operation blowing hole.

6/9/63

Drilled from 3810' to 3825', well would not dust. Picked drill pipe up into 7", loaded hole with water. Went back to bottom (3825'). Hole clean. Came out of hole, put Baker packer on, ran to 3710' and set. (in shoe joint). Pressured up on back side to 2,000# for 30 minutes held okay. Pumped down drill pipe rate of 4 BPM @ 1400#. Stopped pump. Pressure fell from 1400# to 1000# immediately and held. Release pressure, release packer, came up hole to 3600' and set. Pressured up on back side to 1500#. Pumped down drill pipe at rate of 4 BPM @ 1300#. Start squeeze. Squeezed with 75 sx. regular 2% calcium chloride reached standing pressure of 2500# left 50' up in 7". Pumped 65 sx in below casing point. Released packer, came out of hole. Present operation blowing down at 3400'. Squeeze completed @ 12 midnight.

6/10/63

Finished blowing hole down to 3606' - top of cement. Dried hole up. Started drilling cement from 3606' to 3944' - total depth of old hole - dusted good. Drilled new hole from 3944' to 4015'. Well dusting good. Something seems to be restricting gas flow through bit. Present operation coming out of hole to check bit. Hole dusting when trip was started.

6/11/63

Came out of hole. Drill pipe had some moisture and lots of cement cuttings. Going back in hole, started hitting bridges from 3402' to 4015'. No indication of moisture. Started drilling at 4015'. Well dusting good from 4015' to 4110' (95').

WELL: JICARILLA NO. 4-8

6/11/63 (con't)

Well stopped dusting. Have been blowing hole for three hours. Had visible spray of moisture at end of blooie line. Gas pressure normal. No torque or drag on drill pipe.

6/12/63

Depth 4175'. Drilled 65' shale. Drilling with Bit 9. Mud weight 9, Visc. 43, water loss 9.6. Running 16 drill collars. 5 hours blowing hole, 7 1/4 hours drilling, 5 hours conditioning hole and mud. 5 3/4 hours trip running bit.

6/13/63

Depth 4383'. Drilled 208' in 19 hours. Mud weight 9, Visc. 37, water loss 10.2, 3/4° Dev. at 4275'. In hole with Bit 10.

6/14/63

Depth 4600'. Drilled 217' shale. Present operation tripping for Bit 12. Mud weight 9.0, Visc. 41, water loss 10.8.

6/15/63

Depth 4878'. Drilled 278' shale. Present operation drilling with Bit 13. Mud weight 8.9, Visc. 38, water loss 10.4. 19 1/2 hours drilling - 4 1/2 hours trip.

6/16/63

Depth 5019'. Drilled 191' shale. Present operation making trip for Bit 15. Mud weight 8.8, Visc. 37, water loss 10.4, 3/4° Dev. at 4887'. 11 1/2 hours drilling. Lost 60 bbls mud at 4912'.

6/17/63

Depth 5153'. Drilled 133' sand and shale. 13 hours drilling. Present operation drilling ahead with Bit 16. Mud weight 9.4, Visc. 40, water loss 10.2. 1° Dev. at 5020'. Lost approximately 50 bbls mud from 5041 to 5060'. Los approximately 60 bbls mud from 5120' to 5145'. Drilling ahead with full returns.

6/18/63

Depth 5249'. Drilled 96' of sand and shale. Present operation tripping for Bit 19. Mud weight 8.9, Visc. 42, water loss 10.

WELL: JICARILLA NO. 4-8

6/19/63

Depth 5407'. Drilled 158'. Visc. 39, mud weight 8.9, water loss 10.5. Injecting gas in mud. 1/4° Dev. at 5350'. 15 1/2 hours drilling. 6 1/2 hours trip. 1/2 hour survey. 1 1/2 hours rig repair. No loss of mud in past 24 hrs.

6/20/63

Depth 5540, drilled 133' shale. Present operation drilling with Bit 22. Mud weight 9, Visc. 38, water loss 10.4. No loss of mud in 24 hours.

6/21/63

Depth 5701'. Drilled 161' sand and shale. Drilling with Bit 24. Mud weight 8.9, Visc. 41, water loss 10.2.

6/22/63

Depth 5860'. Drilled 159' shale and sand. Present operation drilling with Bit 25. Mud weight 8.8, Visc. 42, water loss 9.6. Lost 150 bbls mud at 5817'. 7 hours lost circulation and stuck drill pipe. 13 1/2 hours drilling and 3 1/2 hours trip.

6/23/63

Depth 5893'. Drilled 33' sand and shale. Present operation installing torque converter. Mud weight 8.8, Visc. 43, water loss 9.5. Lost approximately 200 bbls mud at 5893', while waiting on torque converter. 15 hours circulating time. Have full returns.

6/24/63

Finished repairing torque converter. Worked and pulled up to 2000#. Could not get loose. Good circulation. Rigged up Dialog, ran free point. Indicated free to bit. Attempted to back off and loosen collars, could not. Reran free point. Still indicated free to bit. Attempted to back off 2 collars, could not. Dialog truck broke down. Rigged up Kelly while waiting on McCullough. Spotted 15 gallons of DDT. Worked pipe up to 200,000#. Could not get loose. Rigged up McCullough free point, indicated free to bit. Attempted to break off and leave 4 collars, could not. Present operation attempting to shoot another shot in 4 collars. Mud weight 8.9, Visc. 41, water loss 9.6.

WELL: JICARILLA NO. 4-8

6/25/63

Depth 5893'. Top of fish 5696'. Left 5 collars in hole. Came out of hole, put bumper sub and jars on, went back in, screwed into fish, jarred down some fish, moved fish approximately 18". Tried to jar up to get fish loose, could not. Attempted to unscrew from fish, could not. Rigged up McCullough, attempted to back off first collar below jars, could not. Ran free point. Free point indicated free below top collar. Attempted to back off just below jars and bumper sub. Pipe backed off above jars and bumper sub. Present operation preparing to screw back in jars.

6/26/63

Screwed back into jars. Ran the largest charge that would go through jars and bumper sub. Torqued up seven turns. Backed off at 5696'. Came out of hole with jars and bumper sub. Went back in hole with Bit. Went to bottom, conditioned hole and added some oil to mud system. 5 collars left in hole, came out of hole with bit. Picked up 2 joints of 6" washover pipe, went to top of fish. Present operation, preparing to wash over fish. Mud weight 8.7, visc. 70, water loss 5.2.

6/27/63

Attempted to wash over top of fish 5696'. Could not get wash over shoe to start over fish. Came out of hole, checked shoe. Shoe was swelled and had tried to go over fish. Apparently drill collars swelled on top after heavy charge was used to break off. Went back in hole with cut right shoe and 2 joints of washover pipe. Milled and washed over from 5696' to 5700'. Shoe stopped going. Came out of hole, shoe indicated that fish had been up inside of washover pipe. Put on new shoe, went back in to fish. Present operation preparing to start milling and washing. Mud weight 8.8, visc. 61, water loss 5.2, 1/32 wall cake. 8% oil. No trouble on trip.

6/28/63

Started back to milling at 5700'. Milled to 5708' with cut right shoe. Came out of hole with cut right shoe. Ran 5 joints of washover pipe with conventional shoe. Washover pipe and shoe went back to 5708'. Started washing over. Washed 18". Shoe torqued up. Came out of hole, had left 2 broken pieces of shoe in hole. Went back in hole with cut right shoe. Could not get over fish. Came out of hole, ran impression block, impression block indicated junk on top of fish. Waiting on orders from Huron.

WELL: JICARILLA NO. 4-8

6/29/63

Present operation waiting on cement. Cemented well from 5700' to 5505' with 35 sx. regular cement, 18% 20-40 sand. Job completed @ 6:30 p.m. 6-28-63. Preparing to go in hole with drill pipe to check top of cement.

6/30/63

Tagged top of cement. Cemented @ 5533'. Ran slope test @ 5533', 3/4° . Started to dress top of cement plug, 1st 10' soft, 2nd 10' drilling 1 min. per foot. Total cement drilled 20'. Drilled to 5553'. Contaminated mud, made mud to visc. to pump, started losing some mud. Present operation pulled up to 1800', started conditioning mud. Now @ 2500' treating cement out of mud. Total mud loss, approximately 50 bbls.

7/1/63

Finished treating cement out of mud. Drilled and cleaned out cement plug from 5553' to 5700', top of fish. Conditioned mud. Plug drilled all the way at a rate of 1 to 1½ min. per foot. Spotted new plug, 35 sx. regular 10% sand, 2% calcium chloride. Spearheaded 17 bbls of lime water ahead of plug. Tailed in with 3 bbls lime water. Plug spotted @ 6 a.m. 7-1-63. Present operation, WOC.

7/2/63

WOC. Trip to top of cement. Present operation on top of cement, ready to drill.

7/3/63

Top of cement at 5475'. Dressed cement off from 5475' to 5652'. Cement drilled at 1 1/2 mins per foot with 20,000# pressure. Came out of hole, ran whip stock tool to 5652'. Broke circulation, drilled approximately 1 foot. Bit torqued up about 1 1/2 rounds. Could not make any hole. Came out of hole with whip stock and bit. All 3 cones off bit. Whip stock tool had a bad crimped place about 3 feet from bottom. Present operation going in hole with 6 1/4" bit to condition hole to top of cement plug while repairing whip stock tool. Plans are, when necessary repairs are made, to go in hole with whip stock and 3 7/8" bit rather than 4 3/4" bit as was ran the first time.

7/4/63

Conditioned hole, came out of hole with bit. Attempted to run whip stock tool. Whip stock tool would not go below 2000'. Came out of hole, ran drill pipe to 5652'. (top of cement plug.) Spotted 24 sx regular cement 10% sand, 2% calcium chloride. Ran 17 bbls of lime water ahead of cement with 3 bbls of lime water behind cement. Job completed at 3 a.m. 7-4-63. WOC. Will set Eastman whip stock.

WELL: JICARILLA NO. 4-8

7/5/63

After 12 hours, went in hole, tagged top of cement. Found top of cement at 5634'. Came out of hole, strapping drill pipe. Drill pipe measurements correct. (NOTE: This is only 18' of fillup. 24 sx. should have filled up 120'.) Went back in hole with 6 1/4" bit to dress off top of cement plug. Bit started torquing up immediately. Apparently junk on top of plug. Present operation coming out of hole to run a finger basket in attempt to recover junk. Mud weight 8.8, visc. 72, water loss 10.

7/6/63

Ran finger basket, core 2' of hole. Came out of hole. Recovered 1 cone and pin. Ran back in hole with 6 1/4" bit to dress off top of plug. Found to have junk still in hole. Came out of hole, ran finger basket, core 2' of hole. Came out of hole, recovered 1 full cone and pin and half a cone. Went back in hole with 6 1/4" bit, dressed 6' off of plug, drilling on plug 2 min per foot. Circulating and conditioning hole. Present operation coming out of hole to run whip stock. Top of cement plug @ 5649'. Mud weight 8.4, visc. 60, water loss 6.4.

7/7/63

Finished coming out of hole, waited approximately 4 1/2 hours for sub to be repaired. Put on whip stock tool, went in hole, had 6' of fillup. Could not set whip stock. Tried to wash to bottom. Sheared pin in whip stock tool. Came back out of hole with whip stock, ran bit to bottom. Could not break circulation. Pulled 30 stands, broke circulation, conditioned mud on way back in hole. Washed 6' of fillup out and drilled 3 more ft. off plug to dress Kelly out. Circulated and conditioned hole. Preparing to come out of hole to run whip stock. Mud weight 8.4, visc. 60, top of cement at 5652'.

7/8/63

Came out of hole with bit. Went in hole with whip stock and 4 3/4" bit. Set whip stock at 5654'. Drilled off whip stock at 5654' to 5666'. Came out of hole with whip stock. Went back in hole with hole opener. Opened hole on down to 5666'. Ran survey. 4 1/2° kick off. Pulled hole opener, put on 6 1/4" bit with string reamer. Went in hole, reamed 6 1/4" hole 5654' to 5666', no trouble. Present operation drilling ahead with bit 26 at 5667'. Will make approximately 30' of hole, then will take survey if everything is okay. Came out of hole to put on drill collars to drill ahead. Mud weight 8.5, visc. 74, water loss 9.6.

WELL: JICARILLA NO. 4-8

7/9/63

Drilled to 5704', ran survey, dev. 5 1/4°. Came out of hole, picked up four 4 1/8" drill collars, went back in, drilled from 5667' to 5838', drilled 171'. Present operation - making trip for Bit 27, lost approximately 20 bbls. mud from 5834' to 5838'.

7/10/63

Depth 5926'. Drilled 88' sand and shale. Made trip at 5926', had one cone off bit. Ran junk basket to recover cone. Present operation coming out of hole with junk basket. 4 1/4° dev. at 5838'. Lost approxima tely 30 bbls mud at 5925'. Mud weight 8.8, visc. 80, water loss 9.

7/11/63

Came out of hole with basket, did not have cone. Went back in hole with basket, came, recovered cone. Went back in with new bit. Present operation - depth 5991'. Drilled 65'. Preparing to come out of hole to log. Mud weight 8.5, visc. 77, no loss of mud in last 24 hours.

7/12/63

Came out of hole with dri ll pipe, logged MV and PC. Went back in hole with drill pipe. Depth 6050'. Drilled 63' shale. Present operation tripping for Bit 31. 8 1/4 hours rotary time. Mud weight 8.5, Visc. 77, water loss 7.2, 2 1/2° Dev. at 6013'.

7/13/63

TD. 6127'. Liner ran and cemented. Ran 75 joints 4 1/2" 10.50# casing, (2490.36'). Burns Hanger (4.60'). Total of 2494.94' set at 6126.35' KB. Top of liner at 3631.38' KB. Float collar at 6092.55' KB. Cemented with 174 sx 2-1 Diamix "A". Tailed in with 130 sx 50-50 Diamix "A". Plug down at 6 a.m. 7-13-63, bumped plug with 800#. Note: Lost circulation just as pump down plug was released.

7/14/63

Ran temperature survey. Top of cement 4000'. 4000' to 4800' light to scattered. 4800' on down good cement. Moved out rotary.

7/15/63

Waiting on completion rig.

7/16/63

Waiting on completion rig.

WELL: JICARILLA NO. 4-8

7/17/63

Waiting on completion rig.

7/18/63

Waiting on completion rig.

7/19/63

Will move in completion rig today. Have frac tanks full.

7/20/63

Moved in completion rig, rigged up and backed off 7" casing @ 106'. Replaced bad pipe, went back in, screwed into pipe, nippled up well. Present operation going in hole with 6 1/4" bit to clean out to top of liner.

7/21/63

Ran 6 1/4" bit to top of liner (3631). Displaced mud with water. Pressured up. Top of liner taking fluid @ 1500#. Came out of hole with 6 1/4" bit. Ran Baker Model fuel bore packer to 3515' KB and set. Pump in tubing @ 1200# rate of 1 BPM. Pressured up on back side to 2000#, pressure held. Start squeezing, pumped 15 sx. into top of liner. Well squeezed. Reversed excess cement out. Maximum squeeze pressure 2800#. Squeeze complete @ 8:45 p.m. Present operation going in hole to drill out and clean out to top of liner.

7/22/63

Found 95' cement on top of liner. Drilled out to 3631', top of liner. Came out of hole, put on 3 7/8" bit. Going in hole, could not get in liner. Came out of hole, going in hole with 3 7/8" papered mill. Had tight place to 4185'. Mill stopped at this depth. Present operation pulling out of hole. Will try to get 3 5/8" gun to go. If gun will go, will perforate.

7/23/63

Went in with 3 3/4", no trouble getting in liner. Hit something @ 4821', pushed on to 5931'. Circulated and cleaned up hole. Rig up Western Co., pressured up to 2700#. Held okay. Rig up Lane Wells, ran corelation log. Perforated 2 per ft. 5666-5656, 5768-5760, 5798-5784, 5824-5806. Rig up Western Co. 5 pumps.

WELL: JICARILLA NO. 4-8

7/23/63 (con't)

First stage Mesaverde

B. D. 1 pump	400#	B. D. and fill 60 bbls
All pumps on	1800#	Treatment fluid 79,600 gals
Maximum treatment pres.	3000#	Over flush none
Minimum treatment pres.	1800#	lbs of sand in formation 90,000# 20-40
Average treatment pres.	2000#	rubber balls - 30
Final treatment pres.	3000#	Injection rate 45 BPM
Instant shut in pressure	1000#	Job complete @ 9:08 p.m. 7-22-63
20 min shut in on vacuum		

Well screened out just as flush started.

Rig up Lane Wells - set 4 1/2" magnet plug @ 3713' KB.
Perforated PC 3600-3568, 3554-3530.

Second stage Pictured Cliffs

B. D. 1 pump	1100# - 700#	B. D. and fill 60 bbls
All pumps	900#	Treatment fluid 82,700 gals
Maximum treatment pres	2000#	Over Flush none
Minimum treatment pres	800#	lbs of sand, 100,000# 20-40
Average treatment pres	1400#	rubber balls 60
Final treatment pres.	2000#	Injection rate 56 BPM
Instant shut in pressure	800#	Job complete @ 12:10 a.m. 7-23-63
5 min shut in pressure	700#	

7/24/63

Present operation laying down completion string. Blew and cleaned well on to bottom for 4 hours. Well making 5210 MCF.

7/25/63

Ran 172 joints 1 1/2" tubing, 36' of sub. Set at 5566.01', DK. Ran 110 joints of 1" tubing at 3471.75', PC. Set Model "D" packer.

7/26/63

Left both zones shut in until 12 p.m. PC 600/600. MV 0. Rigged up and started swabbing Mesaverde. Found fluid level at 1600'. Swabbed well down to 3600'. Well started making a little gas. Shut well down. Will check pressure this a.m.

WELL: JICARILLA NO. 4-8

7/27/63

Mesaverde pressure 500# after 12 hour shut in. Pictured Cliffs pressure 900# after 3 hours. Blew and cleaned Mesaverde, gas volume too small to measure. Ran 3 hour test on Pictured Cliffs thru 3/4" choke. Final tubing pressure 100#, casing pressure 630#.

7/28/63

Blew and cleaned Mesaverde for 7 hours. Well unloading water, gas volume too small to measure. Will run test Monday.

7/29/63

Well shut in. Will attempt to test Mesaverde today.

7/30/63

Mesaverde -- 780 tubing pressure. Pictured Cliffs - 1000 tubing, 1000 casing.

7/31/63

Mesaverde - ran three hour test through 3/4" choke. Final flowing pressure 20#. Heavy spray of water throughout test.

8/1/63

Shut in for test.

8/2/63

Will test Pictured Cliffs today.

8/3/63

Ran 3 hour test on Pictured Cliffs through 3/4" choke. Final tubing pressure 123#, casing pressure 916#. Pressure before test PC 1008 tubing, 1008 casing, MV 1283.

AZTEC OIL & GAS COMPANY

920 MERCANTILE SECURITIES BLDG.
DALLAS 1, TEXAS

LAND DEPARTMENT
KENNETH A. SWANSON, MANAGER

July 22, 1963

Case File

Mr. A. L. Porter
Oil & Gas Conservation Commission
State of New Mexico
P. O. Box 871
Santa Fe, New Mexico

Re: Consolidated Oil & Gas, Inc.
Application for Unorthodox
Mesaverde Location, NW¼
Section 8, T-26-N, R-5-W,
Rio Arriba Co., New Mexico

Dear Mr. Porter:

Consolidated has previously requested a hearing for the subject matter in order that a proposed Dakota well might be completed in the Mesaverde formation.

Aztec Oil & Gas Company has no objection to the granting of Consolidated's application to allow a Mesaverde completion at this location.

Yours very truly,

Kenneth A. Swanson

Kenneth A. Swanson

KAS:ob

cc: Consolidated Oil & Gas, Inc.
4150 East Mexico Avenue
Denver 22, Colorado

DOCKET MAILED
Date 8-9-63

DOCKET MAILED
Date 7-29-63

CLASS OF SERVICE
This is a fast message unless its deferred character is indicated by the proper symbol.

WESTERN UNION
TELEGRAM

W. P. MARSHALL, PRESIDENT

1201 (4-60)

SYMBOLS
DL = Day Letter
NL = Night Letter
LT = International Letter Telegram

The filing time shown in the date line on domestic telegrams is LOCAL TIME at point of origin. Time of receipt is LOCAL TIME at point of destination

LA131 KB194

1963 AUG 6 PM 8.58

K DVE311 PD=FAX DENVER COLO 6 225P MST=
NEW MEXICO OIL CONSERVATION COMMISSION=
SANTAFE NMEX=

file Case 2876

ATTN A L PORTER JR SECRETARY-DIRECTOR RE APPLICATION OF CONSOLIDATED OIL & GAS, INC. - CASE NO. 2876-AUGUST 7, 1963 HUMBLE OIL & REFINING COMPANY HAS RECEIVED A COPY OF THE LETTER OF APPLICATION DATED JULY 12, 1963 OF CONSOLIDATED OIL & GAS, INC. REQUESTING APPROVAL OF AN UNORTHODOX LOCATION FOR THE CONSOLIDATED JICARILLA WELL NO. 4-8. HUMBLE IS THE OWNER OF OVERRIDING ROYALTY INTERESTS IN SECTION 3, 4, 9 AND 10, TOWNSHIP 26 NORTH, RANGE 5 WEST, RIO ARRIBA COUNTY. HUMBLE HAS NO OBJECTION

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

No. 24-63

DOCKET: EXAMINER HEARING - WEDNESDAY - AUGUST 21, 1963

9:00 A.M., - OIL CONSERVATION COMMISSION CONFERENCE ROOM,
STATE LAND OFFICE BUILDING, SANTA FE, NEW MEXICO

The following cases will be heard before Daniel S. Nutter, Examiner, or Elvis A. Utz, as alternate examiner:

CASE 2355: (Reopened and continued from August 7, 1963 examiner hearing)
In the matter of Case 2355 being reopened pursuant to the provisions of Order No. R-2051-A, which order extended the temporary 320-acre proration units for the Bluitt-Wolfcamp Gas Pool, Roosevelt County, New Mexico, for a period of one year. All interested parties may appear and show cause why said pool should not be developed on 160-acre proration units.

CASE 2883: Application of Pan American Petroleum Corporation for an unorthodox location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to drill a Tubb gas, Blinebry oil and Paddock gas triple completion, Fowler Field, at an unorthodox location for the Fowler Blinebry Oil Pool 990 feet from the South and West lines of Section 15, Township 24 South, Range 37 East, Lea County, New Mexico.

CASE 2884: Application of Continental Oil Company for a pressure maintenance project, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a pressure maintenance project by the injection of water into the Dakota formation through its Table Mesa Well No. 25, located in Unit K, Section 34, Township 28 North, Range 17 West, Table Mesa Pool, San Juan County, New Mexico.

CASE 2885: Application of John H. Trigg for four unorthodox locations, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks approval of the following four unorthodox oil well locations in his waterflood project, Caprock Queen Pool, Chaves County, New Mexico, all in Section 4, Township 14 South, Range 31 East:

1320 feet from the North line and 2475 feet from the East line;

2764 feet from the North line and 2557 feet from the East line;

1320 feet from the North line and 1320 feet from the East line;

1320 feet from the North line and 1485 feet from the West line.

CASE 2886: Application of Ambassador Oil Corporation for a capacity waterflood project, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a capacity allowable waterflood project on its Federal "Q" lease comprising the NW/4 of Section 3, Township 17 South, Range 30 East, Eddy County, New Mexico, by the injection of water into the Square Lake Pool through 2 wells located in the NW/4 of said Section 3.

CASE 2887: Application of Apache Corporation for the creation of the West Kemnitz Wolfcamp Oil Pool, and for special pool rules, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the creation of a new oil pool for Lower Wolfcamp production in Section 31, Township 16 South, Range 33 East, and the establishment of temporary rules therefor, including provisions for 80-acre spacing and restricted well locations.

CASE 2888: Application of the British American Oil Producing Company for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Jalmat Deep Unit Area comprising 10,568.81 acres of State land in Townships 21 and 22 South, Range 35 East, Lea County, New Mexico.

CASE 2889: Application of A. O. Wooden for the creation of a gas pool, 80-acre spacing therefor, and a dual completion, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks the creation of a Queen gas pool for his Harbold Well No. 16 located in Unit N of Section 26, Township 17 South, Range 27 East, Eddy County, New Mexico. Applicant also seeks the establishment of 80-acre spacing for said pool. Applicant further seeks approval of the dual completion (conventional) of the said Harbold Well No. 16 to produce oil from the Premier Sand of the Grayburg formation, Red Lake Pool, through the tubing, and to produce gas from the Penrose sand of the Queen formation through the casing-tubing annulus.

CASE 2876: (Continued from August 7, 1963 Examiner Hearing)
Application of Consolidated Oil & Gas, Inc. for an unorthodox location, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks permission to recomplete its Jicarilla No. 4-8 at an unorthodox Blanco-Mesaverde Pool location 1550 feet from the North line and 890 feet from the West line of Section 8, Township 26 North, Range 5 West, Rio Arriba County, New Mexico.

WELL: JICARILLA NO. 4-8

1550' F/NL, 890' F/WL, Sec. 8, T26N-R5W

FIELD: Basin Dakota, Tapicito Pictured Cliffs

COUNTY: Rio Arriba STATE: New Mexico

ELEVATIONS: 6958' GL

KB

5/26/63

Finished rigging up. Spudded in at 9 p.m. 5-25-63. Drilling at 293'. 13 3/4" hole. 1/2° Dev. at 100', 1/2° at 250'. Preparing to set surface.

5/27/63

Ran 10 joints 9 5/8" surface casing, set at 293' from KB. Cemented with 225 sx. regular 2% calcium chloride. Plug down at 10:30 a.m. 5-26-63. Good return on cement. Nippled up, pressured up to 1000#. Drilled out. Present operation drilling at 1000'. Drilled 707' with Bit Bit 1. Mud weight 8.9, Visc. 36, water loss 9.4, 1/4° Dev. at 500' and 1/4° Dev. at 950'.

5/28/63

Depth 2020', drilled 1020' sand and shale. Present operation drilling with Bit 2. Mud weight 9.0, Visc. 32, water loss 9.4. 1 1/4° Dev. at 1521'. 3/4° Dev. at 1922'.

5/29/63

Depth 2915'. Drilled 895' sand and shale. Present operation drilling with Bit 3. Mud weight 9.0, Visc. 35, water loss 9.4, 3/4° Dev. at 2600'.

5/30/63

Depth 3310'. Drilled 395' sand and shale. Mud weight 9.0, Visc. 35, water loss 11.4, 1/4° Dev. at 3210'. Present operation making trip for Bit 5.

5/31/63

Depth 3633'. Drilled 323' sand and shale. Present operation making trip for Bit 6. Mud weight 9.0, Visc. 40, water loss 10. 1/4° Dev. at 3600'.

6/1/63

Depth 3750'. Drilled 117' sand and shale. Present operation waiting on logging tool to log thru drill pipe. Tried to run open hole log, could not get below 2675'. Went back in hole with drill pipe. Will log thru drill pipe.

WELL: JICARILLA NO. 4-8

6/2/63

Logged well thru drill pipe. Rigged up and ran 103 joints 7" 23# ST&C casing, total 3728.94. Set @ 3726.94 KB. Float collar @ 3699' KB. One centralizer on shoe joint, one centralizer @ 3413' KB. Cemented with 100 sx. 50-50 Diamix "A", tailed in with 64 sx 50-50 Diamix "A" 2% calcium chloride. Plug down at 3:45 p.m.6-1-63. Good returns throughout cement job. Bumped plug with 1500#, held okay. Present operation blowing well down @ 2300'.

6/3/63

Depth 3833'. Drilled 83' sand and shale. Present operation blowing hole 360' off bottom. Well was dusting good while drill pipe started torquing up. Pulled up 1000'. Pipe out of hole, broke circulation. Present operation blowing back to bottom with gas.

6/4/63

Depth 3833'. Cannot get hole to dry up. Well will make some dust, some mud balls and light spray of moisture at times. Preparing to load hole with water. Will clean out to 3833'. Will run Baker full bore packer. Will set in shoe joint and squeeze.

6/5/63

Cleaned out to 3833' TD. Loaded hole with water and circulated hole clean. Came out of hole, put Baker full bore packer on. Ran to 3705' KB and set in 7" shoe joint. Pressured up on back side of packer to 1700#. Held okay. Pumped fluid down drill pipe, hole taking aluid at 4 bbls per minute. Released packer, came up hole, reset packer at 3551' KB. Pressured up on back side of packer to 1500#. Held okay. Pumped water down drill pipe rate of 4 bbls per minute at 1100#. Stopped pumps for 5 minutes. Pressure stopped from 1100# to 800# in 5 minutes. Pressure still falling. Started squeeze. Squeezed 35 sx regular cement 2% calcium chloride into formation. Left 20 sx in casing. Maximum squeeze pressure 2100#. Job completed at 10 p.m. 6-4-63. Came out of hole with packer. Pressured up on casing to 1500#. Held okay. Started blowing hole down. Present operation blowing hole down at 3400'.

6/6/63

Depth 3887'. Drilled 49'. Blew well down with gas to top of cement at 3572'. Drilled firm cement to 3833'. Well disted good to this depth. Drilled on to 3873' with 50% returns. At 3873' well stopped dusting. Drilled on to 3887' without any dust. Present operation pulling out of hole to check drill pipe for mud rings.

WELL: JICARILLA NO. 4-8

6/7/63

Depth 3944'. Drilled 57'. Well had intermittent sand part of the time. Came out of hole, put on Baker full bore packer - ran and set at 3620' from KB. Rigged up BJ - pressured up on down drill pipe. Formation broke down at 1500#. Pumped in 5 bbls per minute at 1200#. Let well set 10 minutes. Pressure held at 1000#. Pumped cement in. Cleared tool by 1 1/2" tubing. Let well set 10 minutes - pumped 1/4 bbls, no increase. Let well set 15 minutes. No increase. Let well set 25 minutes, pressured up to 1900#. Let well set 12 minutes, pressure dropped to 1750#. Pumped up to 2500#. Left well for 15 minutes. No decrease in pressure. Well squeezed at 5 a.m. with 40 sx regular 2% calcium chloride into formation. 35 sx left in open hole casing. Start drilling out at 2 p.m. today.

6/8/63

Waiting on cement. Blew and dried hole up. Top of cement @ 3662'. 3662'-3685' - wet spotted cement. 3685' - 3810' - dust - good. Hit 2" stream of water @ 3810'. Blew hole 4 hours. Water has gone from 2" stream to 1/4" stream in 4 hours. Present operation blowing hole.

6/9/63

Drilled from 3810' to 3825', well would not dust. Picked drill pipe up into 7", loaded hole with water. Went back to bottom (3825'). Hole clean. Came out of hole, put Baker packer on, ran to 3710' and set. (in shoe joint). Pressured up on back side to 2,000# for 30 minutes held okay. Pumped down drill pipe rate of 4 BPM @ 1400#. Stopped pump. Pressure fell from 1400# to 1000# immediately and held. Release pressure, release packer, came up hole to 3600' and set. Pressured up on back side to 1500#. Pumped down drill pipe at rate of 4 BPM @ 1300#. Start squeeze. Squeezed with 75 sx. regular 2% calcium chloride reached standing pressure of 2500# left 50' up in 7". Pumped 65 sx in below casing point. Released packer, came out of hole. Present operation blowing down at 3400'. Squeeze completed @ 12 midnight.

6/10/63

Finished blowing hole down to 3606' - top of cement. Dried hole up. Started drilling cement from 3606' to 3944' - total depth of old hole - dusted good. Drilled new hole from 3944' to 4015'. Well dusting good. Something seems to be restricting gas flow through bit. Present operation coming out of hole to check bit. Hole dusting when trip was started.

6/11/63

Came out of hole. Drill pipe had some moisture and lots of cement cuttings. Going back in hole, started hitting bridges from 3402' to 4015'. No indication of moisture. Started drilling at 4015'. Well dusting good from 4015' to 4110' (95').

6/11/63 (con't)

Well stopped dusting. Have been blowing hole for three hours. Had visible spray of moisture at end of blooie line. Gas pressure normal. No torque or drag on drill pipe.

6/12/63

Depth 4175'. Drilled 65' shale. Drilling with Bit 9. Mud weight 9, Visc. 43, water loss 9.6. Running 16 drill collars. 5 hours blowing hole, 7 1/4 hours drilling, 5 hours conditioning hole and mud. 5 3/4 hours trip running bit.

6/13/63

Depth 4383'. Drilled 208' in 19 hours. Mud weight 9, Visc. 37, water loss 10.2, 3/4° Dev. at 4275'. In hole with Bit 10.

6/14/63

Depth 4600'. Drilled 217' shale. Present operation tripping for Bit 12. Mud weight 9.0, Visc. 41, water loss 10.8.

6/15/63

Depth 4878'. Drilled 278' shale. Present operation drilling with Bit 13. Mud weight 8.9, Visc. 38, water loss 10.4. 19 1/2 hours drilling - 4 1/2 hours trip.

6/16/63

Depth 5019'. Drilled 191' shale. Present operation making trip for Bit 15. Mud weight 8.8, Visc. 37, water loss 10.4, 3/4° Dev. at 4887'. 11 1/2 hours drilling. Lost 60 bbls mud at 4912'.

6/17/63

Depth 5153'. Drilled 133' sand and shale. 13 hours drilling. Present operation drilling ahead with Bit 16. Mud weight 9.4, Visc. 40, water loss 10.2. 1° Dev. at 5020'. Lost approximately 50 bbls mud from 5041 to 5060'. Los approximately 60 bbls mud from 5120' to 5145'. Drilling ahead with full returns.

6/18/63

Depth 5249'. Drilled 96' of sand and shale. Present operation tripping for Bit 19. Mud weight 8.9, Visc. 42, water loss 10.

WELL: JICARILLA NO. 4-8

6/19/63

Depth 5407'. Drilled 158'. Visc. 39, mud weight 8.9, water loss 10.5. Injecting gas in mud. 1/4° Dev. at 5350'. 15 1/2 hours drilling. 6 1/2 hours trip. 1/2 hour survey. 1 1/2 hours rig repair. No loss of mud in past 24 hrs.

6/20/63

Depth 5540, drilled 133' shale. Present operation drilling with Bit 22. Mud weight 9, Visc. 38, water loss 10.4. No loss of mud in 24 hours.

6/21/63

Depth 5701'. Drilled 161' sand and shale. Drilling with Bit 24. Mud weight 8.9, Visc. 41, water loss 10.2.

6/22/63

Depth 5860'. Drilled 159' shale and sand. Present operation drilling with Bit 25. Mud weight 8.6, Visc. 42, water loss 9.6. Lost 150 bbls mud at 5817'. 7 hours lost circulation and stuck drill pipe. 13 1/2 hours drilling and 3 1/2 hours trip.

6/23/63

Depth 5893'. Drilled 33' sand and shale. Present operation installing torque converter. Mud weight 8.8, Visc. 43, water loss 9.5. Lost approximately 200 bbls mud at 5893', while waiting on torque converter. 15 hours circulating time. Have full returns.

6/24/63

Finished repairing torque converter. Worked and pulled up to 200,000#. Could not get loose. Good circulation. Rigged up Dialog, ran free point. Indicated free to bit. Attempted to back off and loosen collars, could not. Reran free point. Still indicated free to bit. Attempted to back off 2 collars, could not. Dialog truck broke down. Rigged up Kelly while waiting on McCullough. Spotted 15 gallons of DDT. Worked pipe up to 200,000#. Could not get loose. Rigged up McCullough free point, indicated free to bit. Attempted to break off and leave 4 collars, could not. Present operation attempting to shoot another shot in 4 collars. Mud weight 8.9, Visc. 41, water loss 9.6.

WELL: JICARILLA NO. 4-8

6/25/63

Depth 5893'. Top of fish 5696'. Left 5 collars in hole. Came out of hole, put bumper sub and jars on, went back in, screwed into fish, jarred down some fish, moved fish approximately 18". Tried to jar up to get fish loose, could not. Attempted to unscrew from fish, could not. Rigged up McCullough, attempted to back off first collar below jars, could not. Ran free point. Free point indicated free below top collar. Attempted to back off just below jars and bumper sub. Pipe backed off above jars and bumper sub. Present operation preparing to screw back in jars.

6/26/63

Screwed back into jars. Ran the largest charge that would go through jars and bumper sub. Torqued up seven turns. Backed off at 5696'. Came out of hole with jars and bumper sub. Went back in hole with Bit. Went to bottom, conditioned hole and added some oil to mud system. 5 collars left in hole, came out of hole with bit. Picked up 2 joints of 6" washover pipe, went to top of fish. Present operation, preparing to wash over fish. Mud weight 8.7, visc. 70, water loss 5.2.

6/27/63

Attempted to wash over top of fish 5696'. Could not get wash over shoe to start over fish. Came out of hole, checked shoe Shoe was swelled and had tried to go over fish. Apparently drill collars swelled on top after heavy charge was used to break off. Went back in hole with cut right shoe and 2 joints of washover pipe. Milled and washed over from 5696' to 5700'. Shoe stopped going. Came out of hole, shoe indicated that fish had been up inside of washover pipe. Put on new shoe, went back in to fish. Present operation preparing to start milling and washing. Mud weight 8.8, visc. 61, water loss 5.2, 1/32 wall cake. 8% oil. No trouble on trip.

6/28/63

Started back to milling at 5700'. Milled to 5708' with cut right shoe. Came out of hole with cut right shoe. Ran 5 joints of washover pipe with conventional shoe. Washover pipe and shoe went back to 5708'. Started washing over. Washed 18". Shoe torqued up. Came out of hole, had left 2 broken pieces of shoe in hole. Went back in hole with cut right shoe. Could not get over fish. Came out of hole, ran impression block, impression block indicated junk on top of fish. Waiting on orders from Huron.

WELL: JICARILLA NO. 4-8

6/29/63

Present operation waiting on cement. Cemented well from 5700' to 5505' with 35 sx. regular cement, 18% 20-40 sand. Job completed @ 6:30 p.m. 6-28-63. Preparing to go in hole with drill pipe to check top of cement.

6/30/63

Tagged top of cement. Cemented @ 5533'. Ran slope test @ 5533', 3/4° . Started to dress top of cement plug, 1st 10' soft, 2nd 10' drilling 1 min. per foot. Total cement drilled 20'. Drilled to 5553'. Contaminated mud, made mud to visc. to pump, started losing some mud. Present operation pulled up to 1800', started conditioning mud. Now @ 2500' treating cement out of mud. Total mud loss, approximately 50 bbls.

7/1/63

Finished treating cement out of mud. Drilled and cleaned out cement plug from 5553' to 5700', top of fish. Conditioned mud. Plug drilled all the way at a rate of 1 to 1½ min. per foot. Spotted new plug, 35 sx. regular 10% sand, 2% calcium chloride. Spearheaded 17 bbls of lime water ahead of plug. Tailed in with 3 bbls lime water. Plug spotted @ 6 a.m. 7-1-63. Present operation, WOC.

7/2/63

WOC. Trip to top of cement. Present operation on top of cement, ready to drill.

7/3/63

Top of cement at 5475'. Dressed cement off from 5475' to 5652'. Cement drilled at 1 1/2 mins per foot with 20,000# pressure. Came out of hole, ran whip stock tool to 5652'. Broke circulation, drilled approximately 1 foot. Bit torqued up about 1 1/2 rounds. Could not make any hole. Came out of hole with whip stock and bit. All 3 cones off bit. Whip stock tool had a bad crimped place about 3 feet from bottom. Present operation going in hole with 6 1/4" bit to condition hole to top of cement plug while repairing whip stock tool. Plans are, when necessary repairs are made, to go in hole with whip stock and 3 7/8" bit rather than 4 3/4" bit as was ran the first time.

7/4/63

Conditioned hole, came out of hole with bit. Attempted to run whip stock tool. Whip stock tool would not go below 2000'. Came out of hole, ran drill pipe to 5652'. (top of cement plug.) Spotted 24 sx regular cement 10% sand, 2% calcium chloride. Ran 17 bbls of lime water ahead of cement with 3 bbls of lime water behind cement. Job completed at 3 a.m. 7-4-63. WOC. Will set Eastman whip stock.

WELL: JICARILLA NO. 4-8

7/5/63

After 12 hours, went in hole, tagged top of cement. Found top of cement at 5634'. Came out of hole, strapping drill pipe. Drill pipe measurements correct. (NOTE: This is only 18' of fillup. 24 sx. should have filled up 120'.) Went back in hole with 6 1/4" bit to dress off top of cement plug. Bit started torquing up immediately. Apparently junk on top of plug. Present operation coming out of hole to run a finger basket in attempt to recover junk. Mud weight 8.8, visc. 72, water loss 10.

7/6/63

Ran finger basket, core 2' of hole. Came out of hole. Recovered 1 cone and pin. Ran back in hole with 6 1/4" bit to dress off top of plug. Found to have junk still in hole. Came out of hole, ran finger basket, core 2' of hole. Came out of hole, recovered 1 full cone and pin and half a cone. Went back in hole with 6 1/4" bit, dressed 6' off of plug, drilling on plug 2 min per foot. Circulating and conditioning hole. Present operation coming out of hole to run whip stock. Top of cement plug @ 5649'. Mud weight 8.4, visc. 60, water loss 6.4.

7/7/63

Finished coming out of hole, waited approximately 4 1/2 hours for sub to be repaired. Put on whip stock tool, went in hole, had 6' of fillup. Could not set whip stock. Tried to wash to bottom. Sheared pin in whip stock tool. Came back out of hole with whip stock, ran bit to bottom. Could not break circulation. Pulled 30 stands, broke circulation, conditioned mud on way back in hole. Washed 6' of fillup out and drilled 3 more ft. off plug to dress Kelly out. Circulated and conditioned hole. Preparing to come out of hole to run whip stock. Mud weight 8.4, visc. 60, top of cement at 5652'.

7/8/63

Came out of hole with bit. Went in hole with whip stock and 4 3/4" bit. Set whip stock at 5654'. Drilled off whip stock at 5654' to 5666'. Came out of hole with whip stock. Went back in hole with hole opener. Opened hole on down to 5666'. Ran survey. 4 1/2° kick off. Pulled hole opener, put on 6 1/4" bit with string reamer. Went in hole, reamed 6 1/4" hole 5654' to 5666', no trouble. Present operation drilling ahead with bit 26 at 5667'. Will make approximately 30' of hole, then will take survey if everything is okay. Came out of hole to put on drill collars to drill ahead. Mud weight 8.5, visc. 74, water loss 9.6.

WELL: JICARILLA NO. 4-8

7/9/63

Drilled to 5704', ran survey, dev. 5 1/4°. Came out of hole, picked up four 4 1/8" drill collars, went back in, drilled from 5667' to 5838', drilled 171'. Present operation - making trip for Bit 27, lost approximately 20 bbls. mud from 5834' to 5838'.

7/10/63

Depth 5926'. Drilled 88' sand and shale. Made trip at 5926', had one cone off bit. Ran junk basket to recover cone. Present operation coming out of hole with junk basket. 4 1/4° dev. at 5838'. Lost approximately 30 bbls mud at 5925'. Mud weight 8.8, visc. 80, water loss 9.

7/11/63

Came out of hole with basket, did not have cone. Went back in hole with basket, came, recovered cone. Went back in with new bit. Present operation - depth 5991'. Drilled 65'. Preparing to come out of hole to log. Mud weight 8.5, visc. 77, no loss of mud in last 24 hours.

7/12/63

Came out of hole with drill pipe, logged MV and PC. Went back in hole with drill pipe. Depth 6050'. Drilled 63' shale. Present operation tripping for Bit 31. 8 1/4 hours rotary time. Mud weight 8.5, Visc. 77, water loss 7.2, 2 1/2° Dev. at 6013'.

7/13/63

TD. 6127'. Liner ran and cemented. Ran 75 joints 4 1/2" 10.50# casing, (2490.36'). Burns Hanger (4.60'). Total of 2494.94' set at 6126.35' KB. Top of liner at 3631.38' KB. Float collar at 6092.55' KB. Cemented with 174 sx 2-1 Diamix "A". Tailed in with 130 sx 50-50 Diamix "A". Plug down at 6 a.m. 7-13-63, bumped plug with 800#. Note: Lost circulation just as pump down plug was released.

7/14/63

Ran temperature survey. Top of cement.4000'. 4000' to 4800' light to scattered. 4800' on down good cement. Moved out rotary.

7/15/63

Waiting on completion rig.

7/16/63

Waiting on completion rig.

WELL: JICARILLA NO. 4-8

7/17/63

Waiting on completion rig.

7/18/63

Waiting on completion rig.

7/19/63

Will move in completion rig today. Have frac tanks full.

7/20/63

Moved in completion rig, rigged up and backed off 7" casing @ 106'. Replaced bad pipe, went back in, screwed into pipe, nippled up well. Present operation going in hole with 6 1/4" bit to clean out to top of liner.

7/21/63

Ran 6 1/4" bit to top of liner (3631). Displaced mud with water. Pressured up. Top of liner taking fluid @ 1500#. Came out of hole with 6 1/4" bit. Ran Baker Model fuel bore packer to 3515' KB and set. Pump in tubing @ 1200# rate of 1 BPM. Pressured up on back side to 2000#, pressure held. Start squeezing, pumped 15 sx. into top of liner. Well squeezed. Reversed excess cement out. Maximum squeeze pressure 2800#. Squeeze complete @ 8:45 p.m. Present operation going in hole to drill out and clean out to top of liner.

7/22/63

Found 95' cement on top of liner. Drilled out to 3631', top of liner. Came out of hole, put on 3 7/8" bit. Going in hole, could not get in liner. Came out of hole, going in hole with 3 7/8" papered mill. Had tight place to 4185'. Mill stopped at this depth. Present operation pulling out of hole. Will try to get 3 5/8" gun to go. If gun will go, will perforate.

7/23/63

Went in with 3 3/4", no trouble getting in liner. Hit something @ 4821', pushed on to 5931'. Circulated and cleaned up hole. Rig up Western Co., pressured up to 2700#. Held okay. Rig up Lane Wells, ran corelation log. Perforated 2 per ft. 5666-5656, 5768-5760, 5798-5784, 5824-5806. Rig up Western Co. 5 pumps.

WELL: JICARILLA NO. 4-8

7/23/63 (con't)

First stage Mesaverde

B. D. 1 pump	400#	B. D. and fill 60 bbls
All pumps on	1800#	Treatment fluid 79,600 gals
Maximum treatment pres.	3000#	Over flush none
Minimum treatment pres.	1800#	lbs of sand in formation 90,000# 20-40
Average treatment pres.	2000#	rubber balls - 30
Final treatment pres.	3000#	Injection rate 45 BPM
Instant shut in pressure	1000#	Job complete @ 9:08 p.m. 7-22-63
20 min shut in on vacuum		

Well screened out just as flush started.

Rig up Lane Wells - set 4 1/2" magnet plug @ 3713' KB.
Perforated PC 3600-3568, 3554-3530.

Second stage Pictured Cliffs

B. D. 1 pump	1100# - 700#	B. D. and fill 60 bbls
All pumps	900#	Treatment fluid 82,700 gals
Maximum treatment pres	2000#	Over Flush none
Minimum treatment pres	800#	lbs of sand, 100,000# 20-40
Average treatment pres	1400#	rubber balls 60
Final treatment pres.	2000#	Injection rate 56 BPM
Instant shut in pressure	800#	Job complete @ 12:10 a.m. 7-23-63
5 min shut in pressure	700#	

7/24/63

Present operation laying down completion string. Blew and cleaned well on to bottom for 4 hours. Well making 5210 MCF.

7/25/63

Ran 172 joints 1 1/2" tubing, 36' of sub. Set at 5566.01', DK. Ran 110 joints of 1" tubing at 3471.75', PC. Set Model "D" packer.

7/26/63

Left both zones shut in until 12 p.m. PC 600/600. MV 0. Rigged up and started swabbing Mesaverde. Found fluid level at 1600'. Swabbed well down to 3600'. Well started making a little gas. Shut well down. Will check pressure this a.m.

WELL: JICARILLA NO. 4-8

7/27/63

Mesaverde pressure 500# after 12 hour shut in. Pictured Cliffs pressure 900# after 3 hours. Blew and cleaned Mesaverde, gas volume too small to measure. Ran 3 hour test on Pictured Cliffs thru 3/4" choke. Final tubing pressure 100#, casing pressure 630#.

7/28/63

Blew and cleaned Mesaverde for 7 hours. Well unloading water, gas volume too small to measure. Will run test Monday.

7/29/63

Well shut in. Will attempt to test Mesaverde today.

7/30/63

Mesaverde - 780 tubing pressure. Pictured Cliffs - 1000 tubing, 1000 casing.

7/31/63

Mesaverde - ran three hour test through 3/4" choke. Final flowing pressure 20#. Heavy spray of water throughout test.

8/1/63

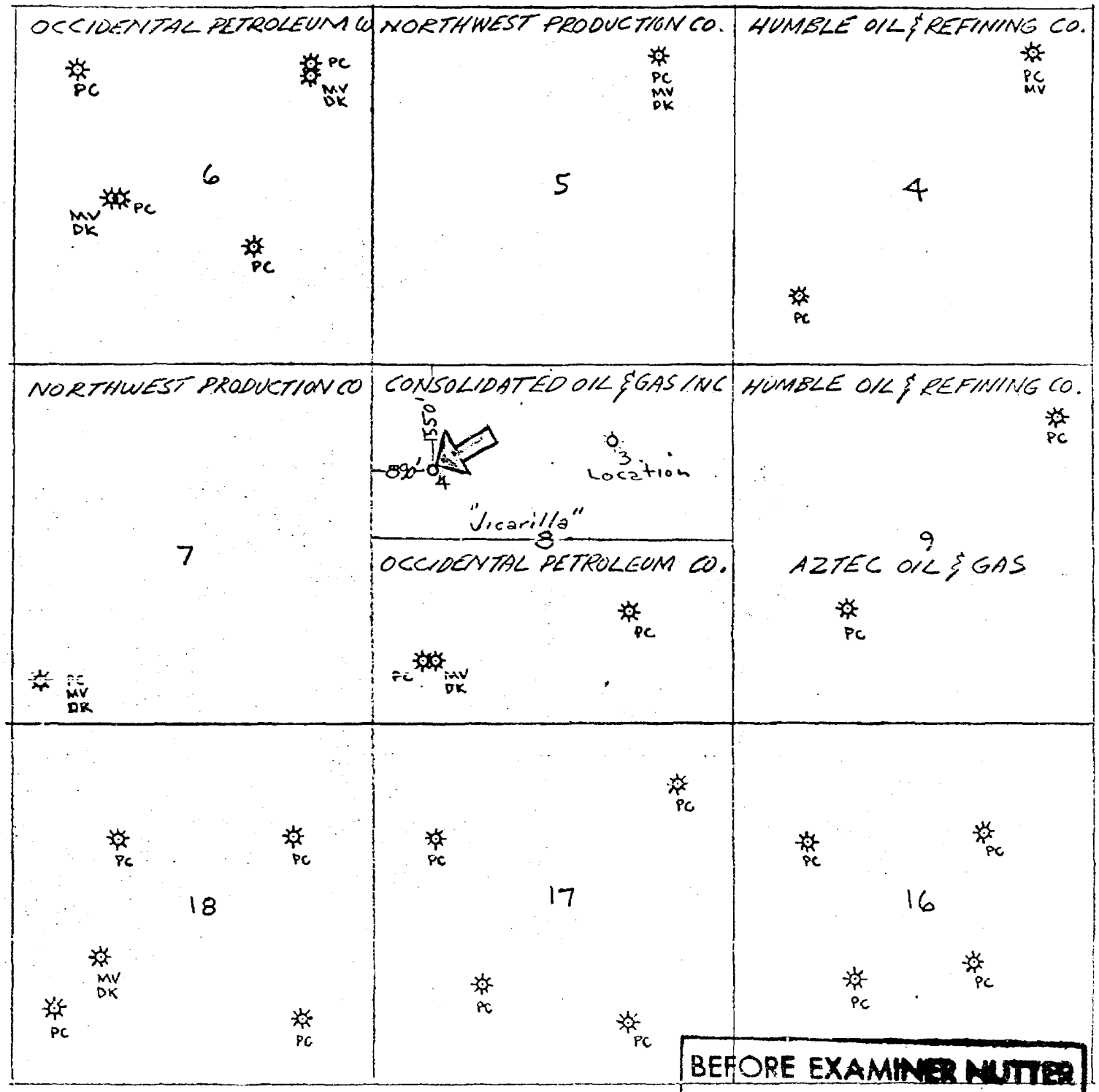
Shut in for test.

8/2/63

Will test Pictured Cliffs today.

8/3/63

Ran 3 hour test on Pictured Cliffs through 3/4" choke. Final tubing pressure 123#, casing pressure 916#. Pressure before test PC 1008 tubing, 1008 casing, MV 1283.



T 26N R 5W

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
EXHIBIT NO. 7
CASE NO. 2876

CASE 2876
APPLICATION FOR UNORTHODOX LOCATION
BLANCO MESAVERDE FIELD

CONSOLIDATED OIL & GAS, INC.
JICARILLA 4-8
SEC. 8 T 26N R 5W
RIO ARRIBA COUNTY, NEW MEXICO

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

CASE No. 2876
Order No. R-2557

APPLICATION OF CONSOLIDATED OIL
& GAS, INC., FOR AN UNORTHODOX
LOCATION, RIO ARRIBA COUNTY,
NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on August 21, 1963, at Santa Fe, New Mexico, before Daniel S. Nutter, Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 29th day of August, 1963, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Daniel S. Nutter, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, Consolidated Oil & Gas, Inc., seeks authority to complete its Jicarilla Well No. 4-8 in the Blanco-Mesaverde Gas Pool at an unorthodox location 1550 feet from the North line and 890 feet from the West line of Section 8, Township 26 North, Range 5 West, NMPM, Rio Arriba County, New Mexico.

(3) That the applicant commenced drilling operations at the above location with the intention of completing the subject well as a Tapacito Pictured Cliffs-Basin Dakota dual completion; that the applicant encountered mechanical difficulties in drilling said well which rendered it infeasible to complete the well in the Basin-Dakota Gas Pool.

(4) That approval of the subject application will neither cause waste nor impair correlative rights.

(5) That approval of the subject application will prevent economic waste caused by the drilling of an unnecessary well.

IT IS THEREFORE ORDERED:

(1) That the applicant, Consolidated Oil & Gas, Inc., is hereby authorized to complete its Jicarilla Well No. 4-S at an unorthodox location in the Blanco-Mesaverde Gas Pool 1550 feet from the North line and 890 feet from the West line of Section 8, Township 26 North, Range 5 West, NMPM, Rio Arriba County, New Mexico.

(2) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year herein-above designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

JACK M. CAMPBELL, Chairman

E. S. WALKER, Member

A. L. PORTER, Jr., Member & Secretary

esr/

GOVERNOR
JACK M. CAMPBELL
CHAIRMAN

State of New Mexico
Oil Conservation Commission

LAND COMMISSIONER
E. S. JOHNNY WALKER
MEMBER

P. O. BOX 871
SANTA FE

STATE GEOLOGIST
A. L. PORTER, JR.
SECRETARY - DIRECTOR

August 29, 1963

Re: Case No. 2876
Order No. R-2557
Applicant:
Consolidated Oil & Gas, Inc.

Mr. Jason Kellahin
Kellahin & Fox
Attorneys at Law
Box 1713
Santa Fe, New Mexico

Dear Sir:

Enclosed herewith are two copies of the above-referenced Commission order recently entered in the subject case.

Very truly yours,
A. L. Porter, Jr.
A. L. PORTER, Jr.
Secretary-Director

ir/

Carbon copy of order also sent to:

Hobbs OCC x
Artesia OCC
Aztec OCC x
OTHER

BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
August 7, 1963

EXAMINER HEARING

IN THE MATTER OF:

Application of Consolidated Oil & Gas, Inc. for an unorthodox location, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks permission to recomplete its Jicarilla No. 4-8 at an unorthodox Blanco-Mesaverde Pool location 1550 feet from the North line and 890 feet from the West line of Section 8, Township 26 North, Range 5 West, Rio Arriba County, New Mexico.

Case No. 2876

BEFORE: Elvis A. Utz, Examiner

TRANSCRIPT OF HEARING

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
August 7, 1963

EXAMINER HEARING

IN THE MATTER OF:

Application of Consolidated Oil & Gas, Inc. for an unorthodox location, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks permission to recomplete its Jicarilla No. 4-8 at an unorthodox Blanco-Mesaverde Pool location 1550 feet from the North line and 890 feet from the West line of Section 8, Township 26 North, Range 5 West, Rio Arriba County, New Mexico. Case 2876

BEFORE: Elvis A. Utz, Examiner.

TRANSCRIPT OF HEARING

MR. UTZ: Case 2876.

MR. DURRETT: Application of Consolidated Oil & Gas, Inc. for an unorthodox location, Rio Arriba County, New Mexico.

MR. UTZ: Is anyone appearing for Consolidated Oil & Gas in Case 2876? This case will go at the end of the docket.

(Thereupon, the hearing continued with other cases.)

MR. UTZ: The hearing will come to order, please. Case 2876.

MR. KELLAHIN: Jason Kellahin, Kellahin & Fox representing the Applicant. At this time I would like to move that

this case be continued to the next Examiner Hearing.

MR. UTZ: Case 2876 will be continued to the next Examiner Hearing in August, which I believe is the 21st.

STATE OF NEW MEXICO)
) SS
COUNTY OF BERNALILLO)

I, ADA DEARNLEY, Court Reporter, do hereby certify that the foregoing and attached transcript of proceedings before the New Mexico Oil Conservation Commission at Santa Fe, New Mexico, is a true and correct record to the best of my knowledge, skill and ability.

IN WITNESS WHEREOF I have affixed my hand and notarial seal this 19th day of August, 1963.

Ada Dearnley
Notary Public-Court Reporter

My commission expires:

June 19, 1967.

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 2876, heard by me on Aug 7, 1963.

Examiner
New Mexico Oil Conservation Commission

BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

EXAMINER HEARING

IN THE MATTER OF: (Continued from August 7, 1963 Examiner Hearing)

Application of Consolidated Oil & Gas, Inc. for an unorthodox location, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks permission to recomplete its Jicarilla No. 4-8 at an unorthodox Blanco-Mesaverde Pool location 1550 feet from the North line and 890 feet from the West line of Section 8, Township 26 North, Range 5 West, Rio Arriba County, New Mexico.

Case No. 2876

BEFORE: Daniel S. Nutter, Examiner.

TRANSCRIPT OF HEARING

August 21, 1963.

MR. NUTTER: We will call next Case 2876.

MR. PAYNE: Application of Consolidated Oil & Gas, Inc. for an unorthodox location, Rio Arriba County, New Mexico.

MR. KELLAHIN: Jason Kellahin, Kellahin and Fox, representing the Applicant. We have one witness.

(Witness sworn.)

(Whereupon, Applicant's Exhibits Nos. 1 and 2 were marked for identification.)

GEORGE E. FARMER

called as a witness, having been first duly sworn, testified as follows:

DIRECT EXAMINATION

BY MR. KELLAHIN:

Q Would you state your name, please?

A George E. Farmer.

Q By whom are you employed and in what position, Mr. Farmer?

A Consolidated Oil & Gas, Incorporated, Assistant to the President.

Q Have you ever testified before the Oil Conservation Commission and made your qualifications a matter of record?

A I have.

MR. KELLAHIN: Are the witness's qualifications

acceptable?

MR. NUTTER: Yes, sir.

Q Mr. Farmer, are you familiar with the application of Consolidated Oil & Gas, Incorporated in Case No. 2876?

A Yes.

Q What is proposed by Consolidated in this case?

A Consolidated originally started to drill the Jicarilla 4-8 well as a dual completion in the Pictured Cliff-Dakota. Due to mechanical difficulties they thought it imprudent to proceed to the Dakota, that this depth had already penetrated the Mesaverde, and they wished to complete in the Mesaverde; however, because this well is located in the Northwest Quarter of the section this becomes an irregular location in the Blanco-Mesaverde field.

Q Would you identify Exhibit 1 and state what is shown on it?

A This is a plat showing the location of the well marked by a red arrow. It shows the offset operators and the wells in the surrounding sections and the formations from which they produce.

Q Referring to what has been marked as Exhibit No. 2, would you first just identify the exhibit, please?

A This is a well history that is kept in our office, and

is an actual copy of the record from the book we keep.

Q Is this a record which is kept in the ordinary course of business by Consolidated Oil & Gas?

A This is our normal daily drilling record.

Q And you keep this on all wells, is that correct?

A We keep this on all wells.

Q Referring to Exhibit No. 2, would you direct the attention of the Examiner to those portions which have a bearing on the trouble you had in drilling of this well?

A If you'll turn to page 5, under the date of June 23 you will note that at a depth of 5895, which happened to be through the Point Lookout formation, that the contractor's equipment failed and particularly the torque conveyor failed while the drill pipe was on bottom. While this was being repaired many hours were lost. and when they again on the 24th attempted to come up bottom with the drill pipe it was stuck.

In the following days they attempted to back off to drill collars, and at the point where they had five drill collars in the hole they attempted to wash over, they eventually ended up and found they had some junk on top of the fish and they felt they could not recover it, so they ran a whipstock and after some problems with it they did get the whole whipstock off of this five drill collars.

They commenced to proceed to drill, however, they did have a certain amount of problems, a little lost circulation, and things were not running too well. They drilled the well back to the old total depth, or approximately thereto, and thought it imprudent to try to proceed under the hazardous conditions to the Dakota formation.

Q What is the present status of the well?

A The well, casing has been run to total depth which is through the Mesaverde formation. It has been perforated and sand fracked in both the Pictured Cliff and the Mesaverde and we have even run an initial potential.

Q What was the results of your initial potential test?

A The initial potential, the Pictured Cliff was 1811 MCF per day. The initial potential of the Mesaverde was 461 MCF per day, which makes this a rather marginal well in the Mesaverde.

Q Do you propose to make a dual completion of the well?

A Yes, we do, for the simple reason the hole is there we can recover some gas from it.

Q It would be an unorthodox location for Pictured Cliff?

A It is an orthodox Pictured Cliff location.

Q In your opinion would this application be in the interest of prevention of waste?

A It will. It will allow some Mesaverde gas to be produced from a tract that will not otherwise produce Mesaverde gas. The results of this particular well would not justify the drilling of another Mesaverde well in the same tract.

Q Have the offset operators been notified of this application?

A We have notified all the offset operators.

Q Were Exhibits 1 and 2 prepared by you or under your supervision?

A They were.

MR. KELLAHIN: At this time I would like to offer in evidence Exhibits 1 and 2.

MR. NUTTER: Applicant's Exhibits 1 and 2 will be admitted in evidence.

(Whereupon, Applicant's Exhibits 1 and 2 were offered and admitted in evidence.)

MR. KELLAHIN: That's all the questions I have of the witness.

MR. NUTTER: Are there any questions of Mr. Farmer?

CROSS EXAMINATION

BY MR. NUTTER:

Q You stated that the trouble commenced on this well on the 23rd when the torque converter broke down, but actually you

had lost circulation and stuck drill pipe before the torque converter broke down, didn't you?

A You will note that on 6-22 they were at 5860 total depth and they had lost drill pipe, stuck drill pipe. However, you'll note they made another 33 feet of oil after freeing up drill pipe before they had this problem.

Q They were in the Point Lookout at this point?

A That is right.

Q 5893?

A They had drilled through it.

Q What formation is the well completed in, the Mesaverde?

A In the Point Lookout. They whipstocked again and went to the total depth of 6127, which was somewhat deeper, but still no new formation.

Q What would the Dakota have been in this area?

A The Dakota, I'll get the exact depth of the offset well which we took to the Dakota, of around 7900 would have been the total depth.

Q You didn't think it advisable to drill that far over a whipstock?

A No, we did not, because you read these following pages after they got off the whipstock, they had some problem with more lost circulation, they were not convinced that it would be too

prudent to continue there feeling that they might get stuck again.

Q I notice on your Exhibit 1 you have the location in the Northeast Quarter of Section 8 which would be a standard location for a Mesaverde well. Are you contemplating drilling that?

A This was contemplated as a Mesaverde well. It was drilled and has been and is in the process of completion now as a Pictured Cliff-Dakota well.

Q Was the Mesaverde productive in that well?

A It was not tested. We felt that after the test of this well we would proceed to the Dakota and try to complete the Dakota. It was filed that way. We had an obligation to drill a Dakota and a Mesaverde in this section and we proceeded with the Dakota well at this other location.

Q You are approaching the eastern limits of the Mesaverde Pool here, aren't you?

A I rather felt that was the case, and that's why I originally recommended if we drilled a Mesaverde well we, no, I don't want to say that. We thought actually that we might get a slightly better Mesaverde well in the proper location over there. I have a map which shows to the northwest slightly a better Measverde well and felt this trend might run through Section 8, however.

Q You did drill the No. 3 already to the Pictured Cliff and the Dakota?

A It has been drilled, yes.

Q Have you got a well in the Pictured Cliff and the Dakota both?

A I have the last drilling report on this, which I took when I started down here. The Pictured Cliff has gauged five and a half miles out of that well. However, at this time the Dakota has not cleaned up, I do not know whether the Dakota is commercial or not.

MR. NUTTER: Are there any other questions of Mr. Farmer? He may be excused.

(Witness excused.)

MR. NUTTER: Do you have anything further, Mr. Kellahin?

MR. KELLAHIN: That's all.

MR. NUTTER: Does anyone have anything they wish to offer in this case?

MR. PAYNE: Mr. Examiner, we received communication from Aztec Oil & Gas and Humble Oil & Refining, both stating they have no objection to the application.

MR. NUTTER: Thank you. Does anyone have anything further they wish to offer in Case 2876? We will take the case under advisement, and the hearing is adjourned.

STATE OF NEW MEXICO)
) SS
COUNTY OF BERNALILLO)

I, ADA DEARNLEY, Court Reporter, do hereby certify that the foregoing and attached transcript of proceedings before the New Mexico Oil Conservation Commission at Santa Fe, New Mexico, is a true and correct record to the best of my knowledge, skill and ability.

IN WITNESS WHEREOF I have affixed my hand and notarial seal this 15th day of September, 1963.

Ada Dearnley
Notary Public-Court Reporter

My commission expires:

June 19, 1967.

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 2876, heard by me on 8/21, 1963.

....., Examiner
New Mexico Oil Conservation Commission