THE APPLICATION OF MESA PETROLEUM COMPANY FOR A DUAL COMPLETION

ADMINISTRATIVE ORDER OF THE OIL CONSERVATION DIVISION



Under the provisions of Rule 112-A Mesa Petroleum Company made application to the New Mexico Oil Conservation Division on October 27, 1980, for permission to dually complete its Gage Well No. 3 located in Unit G of Section 20, Township 30 North, Range 10 West, NMPM, San Juan County, New Mexico, in such a manner as to permit production of gas from the Blanco-Mesaverde Pool and from the Basin-Dakota Pool.

Now, on the 10th day of December, 1980, the Division Director finds:

- l. That application has been filed under the provisions of Rule 112-A of the Division's Rules and Regulations;
- 2. That satisfactory information has been provided that all operators of offset acreage have been duly notified;
- That no objections have been received within the waiting period as prescribed by said rule;
- 4. That the proposed dual completion will not cause waste nor impair carrelative rights; and
- 5. That the mechanics of the proposed dual completion are feasible and consonant with good conservation practices.

IT IS THEREFORE ORDERED:

That the applicant herein, Mesa Petroleum Company, be and the same is hereby authorized to dually complete its Gage Well No. 3 located in Unit G of Section 20, Township 30 North, Range 10 West, NMPM, San Juan County, New Mexico, in such a manner as to permit production of gas from the Blanco-Mesaverde Pool and from the Basin-Dakota Pool through parallel strings of tubing.

PROVIDED HOWEVER, That applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 112-A.

PROVIDED FURTHER, That applicant shall take packer-leakage tests upon completion and annually thereafter.

IT IS FURTHER ORDERED: That jurisdiction of this cause is hereby retained for the entry of such further orders as the Division may deem necessary.

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

STATE OF NEW MEXICO
OH CONSERVATION DIVISION

JOE D. RAMEY

Division Director

OIL CONSERVATION COMMISSION Otto DISTRICT

OIL CONSERVATION COMMISSION	DATE October 22, 1900
BOX 2088 SANTA FE, NEW MEXICO	RE: Proposed MC Proposed DHC Proposed NSL
	Proposed SWD Proposed WFX Proposed PMX
Gentlemen:	
I have examined the application da	
for the Mesa Petroleum & Dage	se and Well No. Unit, S-T-R
Operator Leas	se and Well No. Unit, S-T-R
and my recommendations are as follows: (provove after operator allows: to Rule 107 (d)	uni a tuling exception order
to Rule 107 (d)	
	Yours very truly,
	Frank J. Bary
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2/10/00. O'Connell Conoco

Div. Files
J. Archer SANTA FE, NEW MEXICO SANTA FE, NEW MEXICO

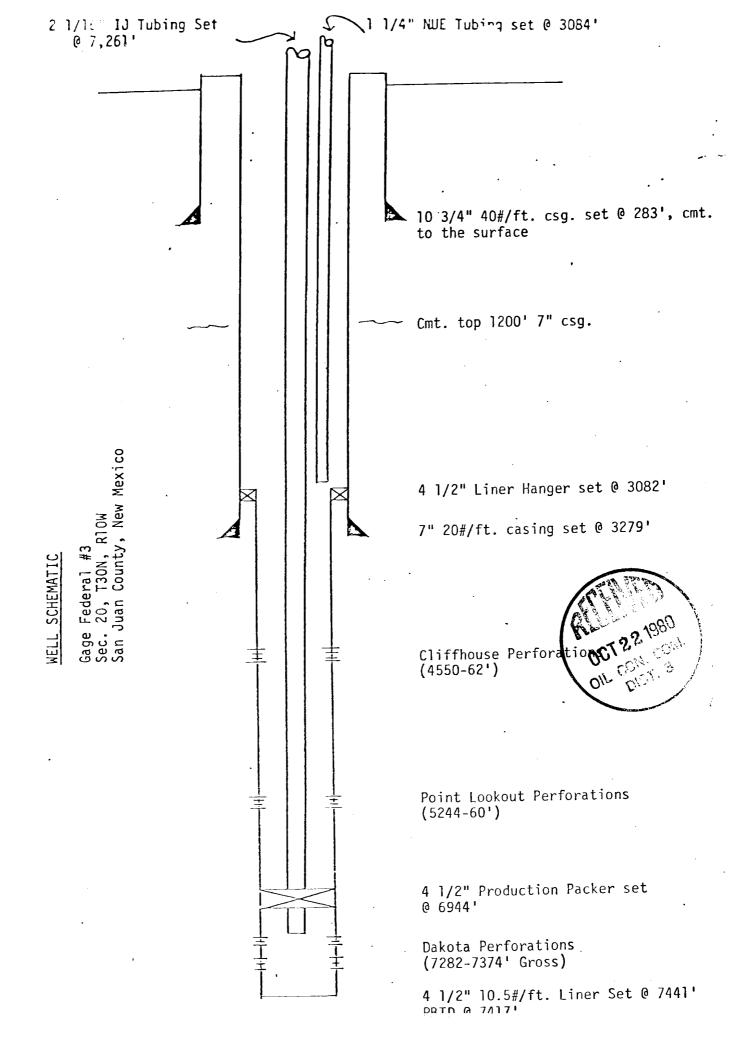
Form C-107 5-1-61

D & M APPLICATION FOR MULTIPLE COMPLETION K.Stanley T. Yoakam **EPNG**

Tennco		I C		Date	
Operator		County	_		
Mesa Petroleum Co.		Sar Lease	Juan	Sept. 12, 1980 Well No.	
1660 Lincoln, #2800 Denve		e Federal	3 Range		
Location Unit		Township	1	10 West	
of Well G	20	30 Nort	: <u>n</u>		
1. Has the New Mexico Oil Conservation	n Commission heretofo	ore authorized	the multiple completion	on of a well in these same pools or in the	Same
zones within one mile of the subject	well? YES	_ NO		1 W-11 No	
2. If answer is yes, identify one such in	stance: Order No		; Operator Leas	e, and Well No.: _ ·	
3. The following facts are submitted:	Upper Zone		Intermediate Zone	e Lower Zone	
a. Name of Pool and Formation	Cliffhouse		Point Lookout	Dakota	
b. Top and Bottom of	4550-62'		5244-60'	7282-7374 Gross	
Pay Section	}			7202 00 7260 74	
(Perforations)	4550-62'		5244-60'	7282-88, 7360-74	
c. Type of production (Oil or Gas)	Gas		Gas	Gas	
d. Method of Production					
(Flowing or Artificial Lift)	Flowing		Flowing	Flowing	
4. The following are attached. (Please	check YES or NO)				
izers and/or turbolized diameters and setting b. Plat showing the location of operators of all lease tors have been furnise.	ers and location there, depth, location and to ation of all wells on a assess offsetting applications of such multiple compished copies of the apwell or other acceptation which this well is con which this well is	or, quantities type of packer applicant's lease. olection from eapplication. able log with ole at the time s located together.	s and side door chokes, ase, all offset wells ch offset operator, or tops and bottoms of papplication is filed it ther with their correct O Oil CO.	ncluding diameters and setting depths, cernt, perforated intervals, tubing strings, incluand such other information as may be pertion offset leases, and the names and address in lieu thereof, evidence that said offset or roducing zones and intervals of perforation shall be submitted as provided by Rule mailing address.	pera- on in-
	state that I am the _c_	hilling s	upervier	SFP 22 1980 OIL CON, COM. YES X NO DISTanguer is es, of the Mesa	give

[•]Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commis sion will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

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公GPO: 1879-288-848 CLERK'S INITIALS INSURED NO. (Always obtain signature of addresses or agent) Show to whom, date, and address of delivery. S. SKENATURE C. Chadressee Chuthorhed agent (CONSULT POSTMASTER FOR FEES) S. 720 SOUTH COLORADO BLVD I have received the article described above. ADDRESS (Complete only if requested) TATIOLE DESCRIPTION:

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OIL CONSERVATION DIVISION

This form is not in the used for reporting packer learner tests in Loutheast New Moxico

in Dur	heat New Migho	N	ORTHWEST	NEW MEXICO PAC	KETI-LEA KAGE	TEST	Well	
Consust on	Operator MESA PETROLEUM G. 10ase GAGE No. 3							3
Location							y SAN JU	· · ·
of Well: Uni	tSec	Т	wp •	Type of Prod	e. Method	of Prod.	Prod. Med	dium
	Name of Resc	rvoir	or Pool	(Oil or Gas)	(Flow or	Art. Lift)	(Thg. or	<u> </u>
Upper Completion /	MESA UGA	このど		GAS	FLO	ω	G2e.	
Lower .	DAKOTA			GAS	FL	<u>υω</u>	TBG.	
Upper Hour, d	2 t o		PRE-F Length	LOW SHUT-IN PRO	SI pre	53.	Stabilized	17 /-6
Compl Shut-			time shu	t-in	psig	750	Yes or No	2) YCO
Lower Hour, d.			Length		SI pre	3000	(Yes or No	s) YGS
Compl Shut-				FI OU TEST NO	n. 1			
Commenced at	(hour, date)	# 8-s	25-80 -	- 2:00 pm.	Zone pi	roducing (Upp T	er or Lower	''
Time hour, date)	- A			Lower Compl.	Temp.	Re	marks	
2:15 pm.	15 min		0,52 0,52	330	56°	MU-Situr	IN / DAK-	FLOW
2:30 pm	30 Min	TC	750 065	220	46°	,, ,,	.,	,,
2:45 pm	45 min	TC	750	210	36°	,, ,,		,,
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4:00 Am	2 He.	70	750 750	165	32°	/1 /1	. ,,	,
5:00 Am		TC	750	125	32°	,, ,,	"	"
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Complete Hour, de Complete Shut-			time shu	of t-in 7 DAYS	psig	775	(Yes or No	0) 465
_ower Hour, da	ate		Length	of t-in 7DAYS	SI pre	3000	Stabilized (Yes or No	o) YES
Shut-	ın		time shu	FLOW TEST N	0. 2			
			7-1-80 Pres	- 9:00 AM	Zone p	roducing (Upp	er or Lower	<u> </u>
Time	Lapsed time since **	Uppe	r Compl.	Lower Compl.	Temp.	Re	marks	
	15 mio.	7	675 675	2000	<i>3</i> ∞°	·		
	30 Min.	1	600 600	2000	<i>3</i> 0°			
	45Min.	TC	500 500	2000	30°			
10:00 AM	1 HR.		450	2000	<i>3</i> 0°			
11:00 AM	2 HE.	C	380 380	2000	<i>30°</i>			
12:00 AM.			375 375	2000	<i>3</i> 0°			
Froduction ra	DODD 4	Sead	on	Bbls. in	Hrs	Grav	/GOF	₹
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LEMARKS:								-
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itle				Date_	8-0	25-80		

1. A policy form of could be commenced on each multiply completed well a minute of the other actual completion of the well, and annually to reafter the proof of the the order authorizing the multiple completion. Each track shall all a commenced on all multiple completions within every disc following or embettion and/or chemical or fracture treatment, and democrat modelal were has been done on a well during which the packer and democrat modelal were has been done on a well during which the packer or the tibing have been disturred. Tests shall also be taken at any time that communication is suspected or when requested by the Division.

At least 72 hours prior to the commencement of any packer leakage test, the operator shall neight the Division in writing of the exact time the test is to be removed. Offset operators shall also be so notified.

3. The picker less me test shall commence when both zones of the dual completion are chut-in for pressure stabilization. Both zones shall recompletion are chut-in for pressure stabilization. Both zones shall remain shall in well-head pressure in each has stabilized, provided however, that they need not remain shut-in more than seven days.

4. Frile test No. 1, one rome of the dual completion shall be produced at the real rate of production while the other zone remains shut-in. The result of production while the other zone remains shut-in. The result of the result of a gas well and fact the result in the case of a gas well and not in the result of the result of a gas well and the result of the result is being flowed to the atmosphere due to the lack of the result of th

... with intermidential of flew Test No. 1, the well shall again be shuttered to the control of
7. Pressures for gas-zone tests must be measured or cut zone with a deadweight pressure gauge at time intervals as fullows:]-hour tests immediately prior to the beginning of each flow-p-riod, at fifteer-minute intervals during the first hour thereof, and at hourly intervals there siter, including one pressure measurement ammediately prior to the conclusion of each flow period. 7-day tests:]-mediately prior to the conclusion of each flow period, at least one time during each flow period (at approximately the midway point) and immediately prior to the conclusion of each flow period. Other pressures may be taken as desired, or may be requested on wells which have previously shown questionable test data.

24-hour oil zone tests: all pressures, throughout the entire test, shall be continuously measured and recorded with recording pressure gauges, the accuracy of which must be checked at lesst twice, once at the beginning and once at the end of each test, with a deadweight pressure gauge. If a well is a gas-oil or an oil-gas dual completion, the recording gauge shall be required on the oil zone only, with deadweight pressures as required above being taken on the gas zone.

8. The results of the above-described tests shall be filed in triplicate within 15 days after completion of the test. Tests shall be filed with the Aziec District Office of the Oil Conservation Division on Northwest New Mexico Packer Leakage Test Form Revised 10-1-78, with .11 deadweight pressures indicated thereon as well as the flowing temperatures (gas zone only) and gravity and GOR (oil zones only). A pressure versus time curve for each zone of each test shall be constructed on the reverse side of the Packer Leakage Test Form with all deadweight pressure points taken indicated thereon. For oil zones, the pressure curve should also indicate cated thereon. For oil zones, the pressure curve should also indicate cated thereon. For oil zones, the pressure curve should also indicate cated thereon. These key pressure changes should also be tabulated on the front of the Packer Leakage Test Form.

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