SIDE ONE

Lease Name CRISTOPHER Lease Name CRISTOPHER Lease Name CRISTOPHER Lease Name CRISTOPHER Lease Name HUGOTON INFILL Producing formation CHASE Leavation: Ground 3218' KB 3228' Total Depth 2917' PRID 2826' Total Depth 2917' Total Depth	STATE CORPORATION CONNISSION OF KANSAS	API NO. 15-	189-21,42	3-00-00	
Description of vell History Description of vell And LEASE Operator: License \$ 04.824 Name: MESA OPERATING LIMITED FARTNERSHIP Address P.O. BOX 2009 ANARTHIO, TYXAS 79189 City/State/Zip Purchaser: Mountsin Iron Operator Contact Person: W. RIDDLE Phone @16) 356-3026 Contractor: Mane: Service Drilling License: 5987 Utilizense: 5987 Utilizense operator: Union Designate Type of Completion X. New Util Referry Workover X. New Util Referry Workover Utilizense: 5987 Utilizense: 5987 Utilizense: 5987 Utilizense: 5987 Utilizense operator: Union Designate Type of Completion X. New Util Referry Workover X. New Util Referry Workover Utilizense operator: Union Designate Type of Completion Designate Type of Completion X. New Util Referry Workover Utilizense operator: Union Designate Type of Completion Designate Type o		County	Stevens_		
Prince 3 O4824 Name: MESA OFERATING LINITED FARTNERSHIP Address P.O. BOX 2009 ANARTHO, TYTAS 79189 City/State/Zip Purchaser: Mountain Iron Operator Centact Person: W. RIDDLE Phone 216 356-3026 Contractor: Remo: Service Drilling License: 5987 Wellising Geologist: None Designate lype of Completion X New Well Referry Workover Other (Core, Water Supply, etc.) If GAMO: old well info as follows: Operator Date Old Total Depth Drilling Method: X Mud Rotary Air Rotary Cable 7/1/90 7/4/90 7/20/90 Spud Date Reached TO Completion Date Well Street Completion Note of Spud Spud Spud Spud Spud Spud Spud Spud	ACO-1 WELL HISTORY DESCRIPTION OF WELL AND LEASE	E/2 SI	E Sec. 15 Two.	33 Rge.	39 — East
Rame: MESA OPERATING LINITED PARTNERSHIP Address P.O. BOX 2009 AMARTILO, TFYAS 79189 City/State/Zip Mountain Iron Operator Contact Person: W. RIDDLE Phone 216) 356-3026 Contractor: Rame: Service Drilling License: 5987 Wellsite Geologist: None Designate Type of Completion X. New Well Re-Entry Workover Annual Type of Completion Y. Ribber Comp. Date Difficial Method: Amount of Surface Pips Stat and Commend at 512 feet Multiple Stage Cementing Collar Used? Yes X. No Drilling Nethod: X. Mulk Rotary Air Rotary Cable 7/1/90 7/4/90 7/4/90 7/20/90 Spud Date Date Resched To Completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado with all plugged wells. Submit CP-111 form with all temperating and submitted with the form. See rule 82-3-107 for confidential Elevations of the spad date of any well. Rule 82-3-103, 82-3-107 and with all plugged wells. Submit CP-111 form with all temperating and submitted with the form. See rule 82-3-107 for confidential Elevations of the spad date of any well. Rule 82-3-103, 82-3-107 and with all plugged wells. Submit CP-111 form with all temperating and submitted with the form. See rule 82-3-107 for confidential Elevations of the spad date of any well. Rule 82-3-103, 82-3-107 and with all plugged wells. Submit CP-111 form with all temperating and submitted with the form. See rule 82-3-107 for confidential Elevation in workover or conversion of a well requires filting of ACC 2 within 120 days from commencement date of such work. All requirements of the statutes, rules and regulations promiting the confidential triplicate with and the statutes and complete and converted from with all the program of the spad date of any well. Submit CP-411 form with all the program of my complete and converted from with all the program of my complete and converted from such work. One complete with and the statutes are rules and regulations promiting the program of my complete and converted from such work. Submit CP-411 form with all the program of my complete					
Address P.O. BOX 2009 ANARTHO, TYAS 79189 City/State/25p City/State/25p Floring 32		P 200'	Ft. West fro		
Lease Name Lease Name Lity/State/Zip Purchaser: Mountain Iron Operator Contact Person: W. RIDDLE Phone 216) 356-3026 Contractor: ***Eme: Service Drilling License: 5987 Mellsite Geologist: None Designate type of Completion X. New Well Re-Entry Workover X. New Well Re-Entry Workover Designate type of Completion Delayed Comp. Off SMO Temp. Add. X. Gas Inj Delayed Comp. Ory Other (Core, Water Supply, etc.) If CMAC: old well info as follows: Operator: Well Name: Comp. Date Old Total Depth Drilling Method: X. Rud Rotary Air Rotary Cable 7/1/90 7/4/90 7/20/90 Date Reached TD Completion Date INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 colorado berby Suliding, Michita, Kansas 67022, within 120 days of the spud date of any well. Rule 22-3-130, 82-3-107 and submitted with the form. See rule 82-3-107 for confidential for a period of 12 months. One copy of all wirefulne logs and drillers time log shall be attached with this form. ALCOMENTAN TICES NAST SE ATACHES. Submit CP-11 form with all temperarily abandoned wells. Any recompletion, workover or conversion of a well requires filling of ACC 2 within 120 days of the spud date of any well. Rule 23-130, 82-3-130 and self-requires filling of ACC 2 within 120 days of the spud date of any well. Rule 23-130, 82-3-130 and self-requires filling of ACC 2 within 120 days of the spud date of any well. Rule 23-130, 82-3-130 and self-requires filling of ACC 2 within 120 days of the spud date of any well. Rule 23-130, 82-3-130 and self-requires filling of ACC 2 within 120 days of the spud date of any well. Rule 23-130, 82-3-130 and self-requires filling of ACC 2 within 120 days of the spud date of any well. Rule 23-130, 82-3-130 and self-requires filling of ACC 2 within 120 days of the spud date of any well. Rule 23-130, 82-3-130 and self-requires filling of ACC 2 within 120 days of the spud date of any well. Rule 23-130, 82-3-130 and self-requires filling of ACC 2 within 120 days of the spud da	· · · · · · · · · · · · · · · · · · ·		. (NOTE: Locat	e well in sect	ion plat below.)
Fite/State/Zip Purchaser: Mountain Iron. Operator Contact Person: W. RIDDLE Phone 616) 356-3026 Contractor: Mane: Service Drilling License: 5987 License: 5987 License: John John John John John John John John	AMARILLO TEXAS 79189	To the second se		•	
Purchaser: Mountain Iron Operator Contact Person: W. RIDDLE Phone (316) 356-3026 Contractor: Rame: Service Drilling License: 5987 Licen	· ·]			
Comp. Date Defilling Nethod: X Mud Rotary Air Rotary Cable 7/1/90 7/4/90 7/4/90 This form shall be completed in triplicate and filed with the Kansas Corporation Commission. 200 Cotorado Derry Building, Wichita, Kansas 6702, within 120 days of the spud date of any well. Re2-3-130, 82-3-107 and submitted with the form. See rule 823-107 for confidentiality in excess of the months. Ore conversion of a well requires filling of ACC-2 within 120 days from commencement date of such work. Subscribed and sucm to before me this 11thday of December Nature Public, Main PILIS Resultatory Analyst Date Compission Expires None 1 total Depth 2917 Pg10 2927 1 total Depth 2917 Pg10 2926 1 total Depth 2927 Pg10 2926 Pg10 2926 Pg10 2926 Pg10 2926 Pg10 2927 Pg10 2926 Pg10 2927 Pg10 2926 Pg10 2926 Pg10 2927 Pg10 2926 Pg10 2927 Pg10 2926 Pg10 2926 Pg10 2927 Pg10 2926 Pg10 2927 Pg10 2926 Pg10 2927 Pg10 2926 Pg10 Pg10 Pg20 Pg10		1			
Phone Q10 330-3020 Contractor: Masse: Service Drilling 1930	Operator Contact Person: W. RIDDLE	1			
Contractor: Masse: Service Drilling License: 5987 Wellsite Geologist: None Designate Type of Completion X New Well Re-Entry Workover X New Well Re-Entry Workover Sas Inj Delayed Comp. Other (Core, Water Supply, etc.) If OMAIC old well info as follows: Operator: Well Name: Comp. Date Old Total Depth Multiple Stage Cementing Collar Used? Yes X No. Drilling Method: X Mud Rotary Air Rotary Cable 7/1/90 7/4/90 7/20/90 Spud Date Date Reached TD Completion Date INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, Personal Subjection on side two of this form will be held confidential for a period Iz months if requested in writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months. One copy of all writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months. One copy of all writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months. One copy of all writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months. One copy of all writing and are submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months if requested in writing and are submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months if requested with this form. All CEMENTING TICKETS MST 88 ATTACHED. Submit CP-41 form with all plugged wells. Submit CP-41 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a welt requires filling of ACC-2 within 120 days from Submitted with the form. See rule 82-3-107 for confidentiality abandoned wells. Any recompletion, workover or conversion of a welt requires filling of ACC-2 within 120 days from Commencement date of such work. All requirements of the statutes, rules and regulations proximate the oil and gas industry have been fully complied with and the statymyths been fully applied. Received Drillers Timelog Received Dril	•	Total Depth	2917'		
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Designate Type of Completion X New Well Re-Entry Workover Oil SUD Temp. Abd. X Gas Inj Delayed Comp. Dry Other (Core, Water Supply, etc.) If OAMO: old well info as follows: Operator: Well Name: Comp. Date Old Total Depth Multiple Stage Cementing Collar Used? Yes X No. Drilling Method: X Mud Rotary Air Rotary Cable 7/1/90 7/4/90 7/20/90 Spud Date Date Reached TD Completion Date feet depth to W/ Sx cant INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Depthy Building, Witchita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held confidential for a period of 12 months. One copy of all winetine logs and drillers time log shall be attached with this form. All CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-11 form with all temporarily bandonder with the statements of the statutes, rules and repulations profit Master to provide and correct to the best of my Louise Confidential to the poli and gas industry have been fully complie with and the statements of the statutes, rules and repulations profit Master to my Louise Confidential Kansas C Documents of the Statutes of the Statutes, rules and repulations profit Master to my Louise Confidential Confidenti				36:	30
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Oil SNO Temp. Abd. X Gas Inj Delayed Comp. Dry Other (Core, Water Supply, etc.) If OMAO: old well info as follows: Operator: Well Name: Comp. Date Old Total Depth Multiple Stage Cementing Coilar Used? Yes X No Drilling Method: X Mud Rotary Air Rotary Cable 7/1/90 7/4/90 7/20/90 Spud Date Date Reached ID Completion Date INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation. Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-107 and 82-3-106 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form. See rule 82-3-107 for confidentiality in comess of 12 months. One copy of all wireline logs and drillers time log shall be attached with this form. All CENENTING TICKETS MUST BE ATTACHED. Submit Dr-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work. All requirements of the statutes, rules and regulations promit assets to require the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge. On the corporation of the statutes and correct to the best of my knowledge. On the corporation of the statutes and correct to the best of my knowledge. On the corporation of the statutes and correct to the best of my knowledge. On the corporation of the statutes are complete and correct to the best of my knowledge. On the corporation of the statutes are completed and sworn to before me this 11thday of December Date Must public. Submit Dry Public. KCC. OFFICE USE DNLY Letter of Confidentiality Attached With and the statements herein are completed and sworn to before me this 11thday of December Date Must public. Submit Dry Public. KCC. OFFICE USE DNLY Letter of Confidentiality Attached Within 120 days from commencement date of such				 	10 +
If OMNO: old well info as follows: Operator: Well Name: Comp. Date Old Total Depth Multiple Stage Cementing Collar Used? Type Stage Cementing Collar Use	Oil SWD Temp. Abd.			165	io 1 1
If OMNO: old well info as follows: Operator: Well Name: Comp. Date Old Total Depth Multiple Stage Cementing Collar Used? Type Stage Cementing Collar Use	X Gas Inj Delayed Comp. Dry Other (Core. Water Supply, etc.)			99)
Well Name:		ļ		1 1 1 1 1 1	
Amount of Surface Pipe Set and Cemented at G12 Feet	Operator:		\$280 4620 4620 3630 3630 2970 2970 2970 2970	330	• 7 7
Drilling Method: X Mud Rotary	Well Name:	Amount of S	urface Pipe Set and Co	emented at	612 ' Fee
Spud Date Date Reached TD Completion Date Seet depth to W/ sx cmt	Comp. Date Old Total Depth	ı			
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Signature Signature Title Regulatory Analyst Date Date 12/051/90/10N DI/SEDN Wireline Log Received Wichita. Kongs S C Drillers Timelog Received December December Notary Public State of Texas Notary Public, State of Texas Notary Public State of Texas	Derby Building, Wichita, Kansas 67202, within 120 days 82-3-106 apply. Information on side two of this form will writing and submitted with the form. See rule 82-3-wireline logs and drillers time log shall be attached with form with all plugged wells. Submit CP-111 form with a	of the spud be held confi 107 for confi this form. A Ill temporaril	date of any well. If dential for a period of dentiality in excess of LLL CEMENTING TICKETS I y abandoned wells. I	Rule 82-3-130, of 12 months if of 12 months. MUST BE ATTACHE Any recompletic	82-3-107 and requested in One copy of all D. Submit CP-4
Title Regulatory Analyst Date 12/13t/90/10N DI ISDN Wireline Log Received Wireline Log Received Wireline Log Received December December Distribution KCC SMD/Rep NGPA Notary Public Notary Public, State of Texas Notary Public State of Texas Notary Public, State of Texas Notary Public State of Texas	All requirements of the statutes, rules and regulations promits with and the statements herein are complete and correct to t	Gated to regulate he best of m	late the oil and gas in the whole design to the control of the con	ndustry have be	en fully complied
Title Regulatory Analyst Date Transport Date Wignita Kongs C Drillers Timelog Received Subscribed and sworn to before me this 11th day of December 19 90 Notary Public State of Texas Date Commission Expires Date Transport Date Timelog Received Notary Public State of Texas Notary Public State of Texas (Specify)		UEU 13			
Subscribed and sworn to before me this IIIInday of December 19 90 . Notary Public SWD/Rep NGPA Notary Public Notary Public, State of Texas Notary Public State of Texas (Specify) Notary Public State of Texas (Specify)	Title Regulatory Analyst Date 1	2011-1:49.0 ₁₁₀₁	DIVISMA / Wireline	Log Received	
Notary Public	Subscribed and sworm to before me this 11thday of De	wichita. Ko	onsis C Drillers		red
Date Commission Expires Noise Public, State of Texas Noise Public, State of Texas (Specify)	Duty I want		N /		NGPA
Date Commission Expires			,, 	Plug	
VEGEV	Date Commission Expires	on Expires 8-6-93			
xc: KCC (0+2), Well File, Regulatory, Exploration, Land, Reservoiform ACD-1 (7-89)	xc: KCC (0+2), Well File, Regulatory, Explo	ration, L	and, Reservoi ^{form}	ACO-1 (7-89)	

C. Records, T. Hoefer (D&M), J. Harlan, K. Ratliff, Prod Accts

SIDE TWO

Drilled Set (In 0.0.) Lbs./Ft. Depth Cement Used Add	atic leve
INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem to interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached st hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach if more space is needed. Attach copy of log. Drill Stem Tests Taken	atic leve
interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached st hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach if more space is needed. Attach copy of log. Drill Stem Tests Taken (Attach Additional Sheets.) Samples Sent to Geological Survey Yes No Name Top Bottom Electric Log Run (Submit Copy.) CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc. Purpose of String Size Hole Size Casing Neight Depth Cement Sacks Type of Drilled Set (In 0.D.) Lbs./ft. Depth Cement Used Additional Type of Production Type 12 1/4" 8 5/8" 24# 612' H 300 37 Production 7 7/8" 5 1/2" 15.5# 2914' H 400 57 Shots Per Foot Specify Footage of Each Interval Perforated (Amount and Kind of Material Used) 1 15/2' 2452'-2706' 5000 gals 15% HCL	atic leve
(Attach Additional Sheets.) Samples Sent to Geological Survey Yes No Name Top Bottom Electric Log Run (Submit Copy.) CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc. Purpose of String Size Hole Size Casing Weight Setting Type of Set (In 0.D.) Lbs./Ft. Depth Cement Used No Surface 12 1/4" 8 5/8" 24# 612" H 300 3% Production 7 7/8" 5 1/2" 15,5# 2914" H 400 5% Shots Per Foot Specify Footage of Each Interval Perforated (Amount and Kind of Material Used) 1 15/2" 2452'-2706' 5000 gals 15% HCL	
Cores Taken Yes No Name Top Bottom	
Stone Corral 1669' Wellington 2238' Chase 2452' Council Grove 2783' **Report all strings set-conductor, surface, intermediate, production, etc.** **Purpose of String Size Hole Size Casing Weight Set (In 0.D.) Lbs./Ft. Depth Cement Used Add **Surface 12 1/4" 8 5/8" 24# 612' H 300 37/ **Production 7 7/8" 5 1/2" 15.5# 2914' H 400 57/ **Preferent Specify Footage of Each Interval Perforated (Amount and Kind of Material Used) **Production 1 15/2' 2452'-2706' 5000 gals 15% HCL	
Stone Corral 1669' Wellington 2238' Chase 2452' Council Grove 2783' Report all strings set-conductor, surface, intermediate, production, etc. Purpose of String Size Hole Size Casing Depth Cement Used Add Surface 12 1/4" 8 5/8" 24# 612' H 300 3% Production 7 7/8" 5 1/2" 15,5# 2914' H 400 5% Shots Per Foot Specify Footage of Each Interval Perforated (Amount and Kind of Material Used) 1 15/2' 2452'-2706' 5000 gals 15% HCL	
Chase 2452' Council Grove 2783' Casing Record	
Council Grove 2783' CASING RECORD Note Report all strings set-conductor, surface, intermediate, production, etc. Purpose of String Size Hole	
CASING RECORD New Used Used Intermediate, production, etc. Purpose of String Size Hole Size Casing Set (In 0.D.) Lbs./Ft. Depth Cement Used Add	
Report all strings set-conductor, surface, intermediate, production, etc. Purpose of String Size Hole Size Casing Set (In 0.D.)	
Report all strings set-conductor, surface, intermediate, production, etc. Purpose of String Size Hole Size Casing Set (In 0.D.)	
Drilled Set (In 0.D.) Lbs./Ft. Depth Cement Used Add	·
Production 7 7/8" 5 1/2" 15.5# 2914 H 400 5% PERFORATION RECORD Acid, Fracture, Shot, Cement Squeeze (Amount and Kind of Material Used) 1 JS/2' 2452'-2706' 5000 gals 15% HCL	and Perce ditives
PERFORATION RECORD Shots Per Foot Specify Footage of Each Interval Perforated Specify Footage of Each Interval	CaCI
Shots Per Foot Specify Footage of Each Interval Perforated (Amount and Kind of Material Used) 1 JS/2 2452 -2706 5000 gals 15% HCL	KCL -
	Record Depth
	2452'-
78,000 gals x-linked 250,000# 10/20 sand	2706
TUBING RECORD Size Set At Packer At Liner Run Yes X No	·
Date of First Production Producing Method Flowing Pumping Gas Lift Other (Explain)	
Estimated Production Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Per 24 Hours 698	Gravity
Disposition of Gas: METHOD OF COMPLETION Product	ion Inter
Vented Sold Used on Lease Open Hole Derforation Dually Completed Commingled	
(If vented, submit ACO-18.)	

SERVICES OPERATOR WELL NAME & NU CEMENTING REPORT LOCATION: SEC. COUNTY STAGE NUMBER	DISTRICT PROCESSOR OF THE BENGARD OF THE BENGARD OF THE BOOK OR SURVEY OR 39 L) STATE KS TYPE JOB Long String							
TBG/DP: Size Weight Disp			Conduct	or Surfa	ce Int.	Prod.	Liner	
Perforated Interval weight Disp	Size		Jonado	or ourra	1111.	1-1/4	Line	
Pkr. Type Set at	Weig	ht				15.5	· *	
Open Hole Size 7/8 Formation		·				810	/-	
Stage Collar Type Set at	i					69.5	/	
Estimated Wash Out %	Dept					29/5	7	
Sacks or Bbls. Composition of Cement and Spacer		als/sk H ₂ O	Weight Lb/Gal	Yield Ft 3	Pump Time Hours	TOTAL Cu. Ft.	TOTAL Bbls.	
500ge/ WMW-1								
3005x 11:12590Thistyhite 1/1/2/	Collo 1	1.85	12.5	2.09		4/8	74,6	
200 SV 1445% KCL+. 77.0F-2+X7	Real isy Cello 5	-,19	15.7	1.19		238	42,5	
Time Remarks			+ (* HOR Pressure Rate Tubing				Casing	
1:58 May & Dang Tail Comest 42,5 2 21 Shut Joun - Wash lines - Drop 1	007()	2,5 5,7	5.5			1500 200 100 250 0-11 1100- 1600	00 1600	
		IEC 1:	CN DIVISION	, viûiy				
Break Down At BPM At	PSI			00	l	tial Press.	1100	
Squeezed To PSI Running Hesitation Reversed out BBL Slurry at PSI Customer considered service Satisfactory Unsatisfactory Customer Rep: (Lshow)		Bumped Cmt. Ci Float H Shut in	d Plug	eNo	Pressure Sacks	to		

052-1451