

AMENDED AS OF 3-25-88 *

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 5208
Name Mobil Oil Corporation
Address P.O. Box 5444
City/State/Zip Denver, CO 80217

Purchaser WILLIAMS NATURAL GAS CO. *

Operator Contact Person D. H. Lawrence
Phone 303-298-2698

Contractor: License # 5382
Name Cheyenne Drilling Inc.

Wellsite Geologist T. A. Metarko
Phone 303-298-2327

Designate Type of Completion

X New Well Re-Entry Workover
Oil SWD Temp Abd
X Gas Inj Delayed Comp.
Dry Other (Core, Water Supply etc.)

If ONWO: old well info as follows:

Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:

X Mud Rotary Air Rotary Cable

7-27-87 8-5-87 8-21-87
Spud Date Date Reached TD Completion Date
6230' 6188'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 1750 feet
Multiple Stage Cementing Collar Used? X Yes No
If yes, show depth set 3150 feet
If alternate 2 completion, cement circulated from feet depth to w/ SX cement
Cement Company Name
Invoice #

API NO. 15-189-21086-0000
County Stevens
SW NE Sec. 18 Twp. 31S Rge. 35 East X West
3300 Ft North from Southeast Corner of Section
2020 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

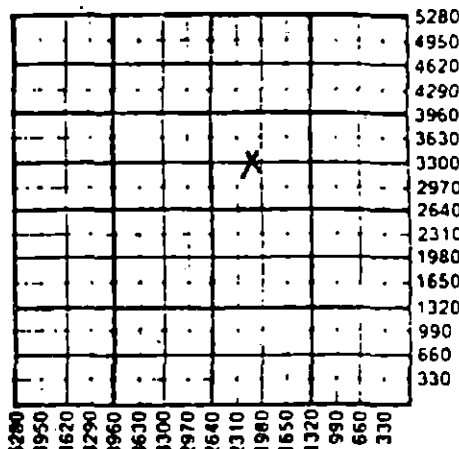
Lease Name HINSHAW ESTATE UNIT Well # 4

Field Name Unnamed CAVE, WEST

Producing Formation Chester

Elevation: Ground 2994' 3005'

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: X Disposal *
Docket # CD-11793
WML RAPI SWD (LATERAL B) Re-pressuring

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit # T87-290

X Groundwater 3330 Ft North from Southeast Corner
(Well) 2215 Ft West from Southeast Corner of
Sec 18 Twp 31S Rge 35 East X West

Surface Water Ft North from Southeast Corner
(Stream, pond etc) Ft West from Southeast Corner
Sec Twp Rge East West

Other (explain)
(purchased from city, R.W.D. #)

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 82-3-130, 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 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 wireline logs and drillers time log shall be attached with this form. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature D. H. Lawrence

Title General Accounting Supervisor Date 11-17-87

Subscribed and sworn to before me this day of November 1987

Notary Public STATE CORPORATION COMMISSION

Date Commission Expires

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Time Log Received
Distribution
KCC SWD/Rep NGPA
RECEIVED KGS Plug Other
STATE CORPORATION COMMISSION (Specify)
MAR 31 1988

Form ACO-1 (5-86)

CONSERVATION DIVISION
Wichita, Kansas

3-31-88

Sec. 18 Twp. 31 Rge. 35E

Operator Name Mobil Oil Corp Lease Name HINSHAW ESTATE UNIT Well # 4

Sec. 18 Twp. 31S Rge. 35 East West County Stevens

BELL LOG

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

SEE ATTACHED

Formation Description
 Log Sample

Name	Top	Bottom
Base Stone Corral	1754	
Sumner	2187	
Chase	2567	
Winfield	2644	
Council Grove	2858	
Admire	3122	
Wabaunsee	3271	
Shawnee	3648	
Lansing	4184	
Kansas City	4430	
Marmaton	4858	
Cherokee	5056	
Morrow	5466	
Chester	5764	
St. Genevieve	6048	
St. Louis	6080	
TD	6230	

CASING RECORD New Used
 Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (in O.D.)	Weight Lbs/Ft.	Setting Depth	Type of Cement	#Sacks Used	Type and Percent Additives
Surface	12-1/4"	8-5/8"	24#	1750'	Cl C	565	65:35; 6. C; Poz: Gel,
Production	7-7/8"	5-1/2"	14#	6230'	Cl C Cl H	175/5% 350	CaCl ₂ 2% 50:50 H; Poz. 2% Gel
					Cl H	265	50:50 H; Poz. 2% Ge.

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4 SPF	5550-5562	48 shots	5550 5562 O.A.

TUBING RECORD	Size 2-7/8"	Set At 5480'	Packer at 5480'	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First Production 11-9-87	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain)
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Estimated Production Per 24 Hours	CONDENSATE 12 Bbls	Gas 3500 MCF	Water 0 Bbls	Gas-Oil Ratio	Gravity
				CFPB	

METHOD OF COMPLETION Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify) 5550-5562 O.A.
 Used on Lease
 Dually Completed
 Comingled

Mobil Oil Corporation

DPM-200 (2/78)

DENVER EAST DIVISION DRILL STEM TEST REPORT FORM

WELL NAME O.G. HINSHAW #1

# Number <u>1</u>	Hole Size <u>7 7/8</u>
Location <u>maxxaw</u>	Conventional <input checked="" type="checkbox"/> Infusible <input type="checkbox"/> Straddle <input type="checkbox"/>
Interval <u>5564.7' - 5598'</u>	Top Plr Set @ <u>5553.9'</u> Btm Plr Set @ <u>5564.7'</u>
Depth <u>5598'</u>	Type of Cushion Fluid <u>NONE</u>
Company <u>Halliburton SERVICES</u>	Amount of Cushion <u>0</u>

TEST DATA:

Tool open at 0845 hours. 8-3-87 Date.

Initial open period _____ mins. 15

Initial shut-in period _____ mins. 30

Final flow period _____ mins. 60

Final shut-in period _____ mins. 120

Description of blow on initial open period stream blow off bottom of bucket in 20 seconds
then flow out to pit after 2 minutes. Gas to surface in 3 minutes

Description of blow during test Stable gas flow @ 415 psi

G.T.S. 5 mins; O.T.S. _____ mins; Bottom hole choke size 0.750

Surface choke size 6.36

Flow Rate: Gas 414400 C.F.P.D. OR 4144.0 MCF/DMY B.P.H. G.O.R. _____

Gravity of Gas _____ Gravity of Oil CONDENSATE 57

Total fluid recovery 100% Condensate

Resistivity of H₂O NONE Chlorides of H₂O 5000 P.P.M.

Depth of top press bomb 5543.7 ft Bottom bomb 5594.7 ft

PRESSURE DATA:

<p>Top Bomb:</p> <p>I.H.P. <u>2461.3</u></p> <p>L.F.P. <u>504.9</u> to <u>694.0</u></p> <p>LS.P. <u>1678.5</u></p> <p>F.F.P. <u>1662.4</u> to <u>983.9</u></p> <p>F.S.I.P. <u>2461.3</u></p> <p>F.H.P. <u>2461.3</u></p> <p>Temp. <u>120° F</u></p> <p>Was S.I.P. building? <u>No</u></p>	<p>Bottom Bomb:</p> <p>I.H.P. <u>2490.4</u></p> <p>L.F.P. <u>513.0</u> to <u>719.4</u></p> <p>LS.P. <u>1674.2</u></p> <p>F.F.P. <u>224.7</u> to <u>215.0</u></p> <p>F.S.I.P. <u>1683.9</u></p> <p>F.H.P. <u>2490.4</u></p> <p>Temp. <u>120° F</u></p>
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SAMPLE CHAMBER DATA:

Gas 24.51 C.F.

Condensate 10.0 C.C.

H₂O _____ C.C.

Mud _____ C.C.

Sample Chamber Pressure 412 psi

MARKS:

RECEIVED
STATE CORPORATION COMMISSION

MAR 31 1980

AMENDED AS OF 3-21-88*

SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 5208
Name Mobil Oil Corporation
Address P.O. Box 5444
City/State/Zip Denver, CO 80217

Purchaser INFO NOT AVAILABLE AT THIS TIME

Operator Contact Person D. H. Lawrence
Phone 303-298-2698

Contractor: License # 5382
Name Cheyenne Drilling Inc.

Wellsite Geologist T. A. Metarko
Phone 303-298-2327

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD Temp Abd
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply etc.)

If ONWO: old well info as follows:
Operator
Well Name
Comp. Date
Old Total Depth

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable

7-27-87 8-5-87 8-21-87
Spud Date Date Reached TD Completion Date
6230' 6188'
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 1750 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 3150 feet
If alternate 2 completion, cement circulated from feet depth to w/ SX cmt
Cement Company Name
Invoice #

API NO. 15-189-21086-0000
County Stevens
SW NE Sec. 18 Twp. 31S Rge. 35 East X West

3300 Ft North from Southeast Corner of Section
2020 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

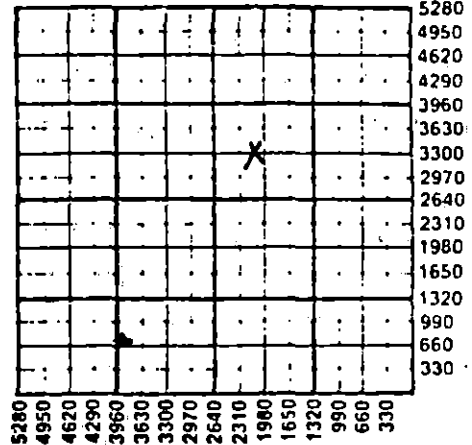
Lease Name HINSHAW ESTATE UNIT Well # 4

Field Name Unnamed CAVE, WEST

Producing Formation Chester

Elevation: Ground 2994' KB 3005'

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # Repressuring
INFO NOT AVAILABLE AT THIS TIME

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717
Source of Water:
Division of Water Resources Permit # T87-290

Groundwater 3330 Ft North from Southeast Corner
(Well) 2215 Ft West from Southeast Corner of
Sec 18 Twp 31S Rge 35 East X West
 Surface Water Ft North from Southeast Corner
(Stream, pond etc) Ft West from Southeast Corner
Sec Twp Rge East West
 Other (explain)
(purchased from city, R.W.D. #)

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 82-3-130, 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 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 wireline logs and drillers time log shall be attached with this form. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature D. H. Lawrence
Title General Accounting Supervisor Date 11-17-87

Subscribed and sworn to before me this day of November 1987
Notary Public
Date Commission Expires

K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Drillers Timelog Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

Sec. 18 Twp. 31S Rge. 35E

Operator Name Mobil Oil Corp Lease Name O. G. Hinshaw Well # 1

Sec. 18 Twp. 31S Rge. 35 East West Stevens County

WELL LOG

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

SEE ATTACHED

Name	Top	Bottom
Base Stone Corral	1754	
Sumner	2187	
Chase	2567	
Winfield	2644	
Council Grove	2858	
Admire	3122	
Wabaunsee	3271	
Shawnee	3648	
Lansing	4184	
Kansas City	4430	
Marmaton	4858	
Cherokee	5056	
Morrow	5466	
Chester	5764	
St. Genevieve	6048	
St. Louis	6080	
TD	6230	

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs/Ft.	Setting Depth	Type of Cement	#Sacks Used	Type and Percent Additives
Surface	12-1/4"	8-5/8"	24#	1750'	Cl C	565	65:35:6 C: Poz: Gel,
Production	7-7/8"	5-1/2"	14#	6230'	Cl C	175/5%	CaCl ₂ cellid-flak
					Cl H	350	50:50 H: Poz. 2% Gel
					Cl H	265	50:50 H: Poz. 2% Gel

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
4 SPF	5550-5562	48 shots	5550-5562

TUBING RECORD	Size	Set At	Packer at	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
NOT AVBL AT THIS TIME					

Date of First Production	Producing Method
INFO NOT AVAILABLE AT THIS TIME	<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
INFO NOT AVAILABLE AT THIS TIME	Bbls	MCF	Bbls	CFPB	

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify) 5550-5562
 Used on Lease
 Dually Completed
 Commingled

Mobil Oil Corporation

DPM-200 (2/78)

DENVER EAST DIVISION DRILL STEM TEST REPORT FORM

WELL NAME O.G. Hinshaw #1

# Number <u>1</u>	Hole Size <u>7 7/8</u>
Location <u>maxxaw</u>	Conventional <input checked="" type="checkbox"/> Infatable <input type="checkbox"/> Straddle <input type="checkbox"/>
Interval <u>5564.7' - 5598'</u>	Top Pkr Set @ <u>5558.9'</u> Bm Pkr Set @ <u>5564.7'</u>
Well Depth <u>5598</u>	Type of Cushion Fluid <u>None</u>
Company <u>Halliburton Services</u>	Amount of Cushion <u>0</u>

TEST DATA:

Tool open at 0845 hours. 8-3-87 Date.

Initial open period _____ mins. 15

Initial shut-in period _____ mins. 30

Final flow period _____ mins. 60

Final shut-in period _____ mins. 120

Description of blow on initial open period Steady blow off bottom of bucket in 20 seconds
Then flow out to pit after 2 minutes. Gas to surface in 3 minutes

Description of blow during test Stable gas flow @ 415 Psi

G.T.S. 5 mins. O.T.S. _____ mins.; Bottom hole choke size .750

Surface choke size .626

Flow Rate: Gas 4144.00 C.F.P.D. Oil 4144.0 MCF/DAY B.P.H. G.O.R. _____

Gravity of Gas _____ Gravity of Oil Condensate 57

Total fluid recovery 100 ft condensed water

Resistivity of H₂O None Chlorides of H₂O 5000 P.P.M.

Depth of top press bomb 5543.7 ft Bottom bomb 5594.7 ft

PRESSURE DATA:

Top Bomb:	Bottom Bomb:
I.H.P. <u>2461.3</u>	I.H.P. <u>2490.4</u>
I.F.P. <u>504.9</u> to <u>694.0</u>	I.F.P. <u>513.0</u> to <u>719.4</u>
IS.I.P. <u>1678.5</u>	IS.I.P. <u>1674.2</u>
F.F.P. <u>1678.5</u> to <u>989.9</u>	F.F.P. <u>224.7</u> to <u>215.0</u>
F.S.I.P. <u>1662.4</u>	F.S.I.P. <u>1683.9</u>
F.H.P. <u>2461.3</u>	F.H.P. <u>2490.4</u>
Temp. <u>120° F</u>	Temp. <u>120° F</u>
Was S.I.P. building? <u>No</u>	

AMPLE CHAMBER DATA:

Gas 24.51 C.F.

Oil Condensate 10.0 C.C.

H₂O _____ C.C.

Mud _____ C.C.

Sample Chamber Pressure 412 psi

MARKS:

RECEIVED
STATE CORPORATION COMMISSION

LEAD 9 A

*AMENDED 11-4-88

SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION OR RECOMPLETION FORM
ACD-1 WELL HISTORY
DESCRIPTION OF WELL HISTORY

Operator: License # 5208
Name MOBIL OIL CORPORATION
Address P.O. BOX 5444

City/State/Zip DENVER, COLORADO 80217

Purchaser SOLD ON SPOT MARKET---TRANSPORTED BY
WILLIAMS NATURAL GAS
P.O. BOX 3288, TULSA, OK 74101

Operator Contact Person B. R. MAYNARD
Phone (303) 298-2069

Contractor: License # 5382
Name CHEYENNE DRILLING INC.

Wellsite Geologist T.A. METARKO
Phone (303) 298-2327

Designate Type of Completion
 New Re-Entry Workover
 Oil SWD Temp Abd
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.)

If OWMO: old well info as follows;
Operator _____
Well Name _____
Comp. Date _____

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
7-27-87 8-5-87 8-21-87
Spud Date Date Reached TD Completion Date
6230' 6188'
Total Depth PBD 1152

Amount of Surface Pipe Set and Cemented at 1750 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth 3150 feet
If alternate 2 completion, cement circulated
from _____ feet depth to _____ w/ _____ SX cat
Cement Company Name _____
Invoice # _____

FORMALLY: D.G. HINSHAW WELL #1 *
API No. 15- 189-21086-0000

COUNTY STEVENS _____ East
SW NE Sec 18 Twp 31S Rge 35 X West

3300 Ft North from Southeast Corner of Section
2020 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

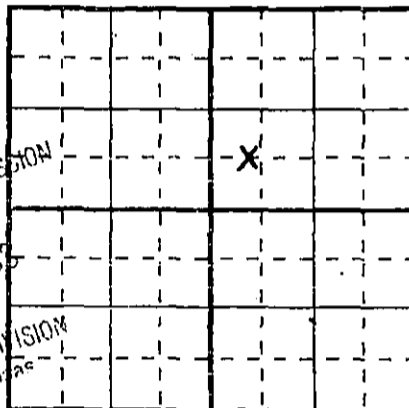
Lease Name HINSHAW ESTATE UNIT WELL # 4

Field Name UNNAMED Cave, west

Producing Formation MORROW *

Elevation: Ground 2994' KB 3005'

SECTION PLAT



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # CD-11793 Repressuring

Questions on this portion of ACD-1 call:
Water Resources Board (913) 296-3717
Source of Water:
Division of Water Resources Permit# T87-290

Groundwater 3330 Ft. North from Southeast Corner
(well) 2215 Ft. West from Southeast Corner of
Sec 18 Twp 31S Rge 35 East X West
 Surface Water _____ Ft. North from Southeast Corner
(Stream, pond etc) _____ Ft. West from Southeast Corner
Sec _____ Twp _____ Rge _____ East _____ West
 Other (explain) _____
(purchased from city, R.W.D. #)

RECEIVED
STATE CORPORATION COMMISSION
NOV 10 1988
CONSERVATION DIVISION
Wichita, Kansas

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 82-3-130, 82-3-107, and 82-3-106 apply.
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One copy of all wireline logs and drillers time log shall be attached with this form. Submit cp-4 form with all plugged wells. Submit cp-111 form with all temporarily abandoned wells.

All requirements of statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature B. R. Maynard B. R. MAYNARD

Title REGULATORY COMPLIANCE MANAGER Date 11-4-88

Subscribed and sworn to before me this 4th day of November
1988
Notary Public George
Date Commission Expires 1/3/91

K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Drillers Time Log Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)
11-10-88

SIDE TWO

Operator Name MOBIL OIL CORPORATION Lease Name HENSHAW ESTATE UNIT Well # 4

Sec 18 Twp 31S Rge 35W XX East
XX West County STEVENS

WELL LOG

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken XX Yes No
 Samples Sent to Geological Survey XX Yes No
 Cores Taken Yes XX No

Formation Description
XX Log Sample

Name	Top	Bottom
STONE CORRAL		1754'
SUMNER	2187'	
CHASE	2567'	
WINFIELD	2644'	
COUNCIL GROVE	2858'	
ADMIRE	3122'	
WABAUNSEE	3271'	
SHAWNEE	3648'	
LANSING	4184'	
KANSAS CITY	4430'	
MARMATON	4859'	
CHEROKEE	5056'	
MORROW	5466'	
CHESTER	5764'	
STE. GENEVIEVE	6048'	
ST. LOUIS	6230'	

CASING RECORD

XX New Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (in. O.D.)	Weight Lbs/Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12-1/4"	8-5/8"	24#	1750'	CL C	565 SX	65:35:6
					CL C	175 SX	+5% CaCl ₂
Production	7-7/8"	5-1/2"	14#	6230'	CL H	350 SX	50:50:2
					CL H	265 SX	50:50:2 +2% CaCl ₂

PERFORATION RECORD

Acid, Fracture, Shot, Cement Squeeze Record
 (Amount and Kind of Material Used)

Shots Per Foot	Specify Footage of Each Interval Perforated	Depth
4 SPF	5550'-5562'	5550'-5562' DA

TUBING RECORD Size 2-7/8" Set At 5480' Packer At 5480' Liner Run Yes XX No

Date of First Production 11-9-87 Producing Method XX Flowing Pumping Gas Lift Other (explain)

Estimated Production Per 24 Hours	CONDENSATE	Gas	Water	Gas-Oil Ratio	Gravity
	<u>12</u> Bbls	<u>3500</u> MCF	<u>0</u> Bbls	<u> </u> CFPB	

METHOD OF COMPLETION

Disposition of gas: Vented XX Sold Used on Lease
 METHOD OF COMPLETION: Open Hole XX Perforation Other (Specify)
 Production Interval: 5550'-5562' DA
 Dually Completed
 Commingled

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 5208
Name Mobil Oil Corporation
Address P.O. Box 5444
City/State/Zip Denver, CO 80217

Purchaser INFO. NOT AVAILABLE AT THIS TIME

Operator Contact Person D. H. Lawrence
Phone 303-298-2698

Contractor: License # 5382
Name Cheyenne Drilling Inc.

Wellsite Geologist T. A. Metarko
Phone 303-298-2327

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp Abd
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply etc.)

If OWNED: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method: Mud Rotary Air Rotary Cable
7-27-87 8-5-87 8-21-87
Spud Date Date Reached TD Completion Date
6230' 6188'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 1750 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 3150 feet
If alternate 2 completion, cement circulated from feet depth to w/ SX cmt
Cement Company Name
Invoice #

API NO. 15-189-21086-0000
County Stevens
SW NE Sec. 18 Twp. 31S Rge. 35 East X West

3300 Ft North from Southeast Corner of Section
2020 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

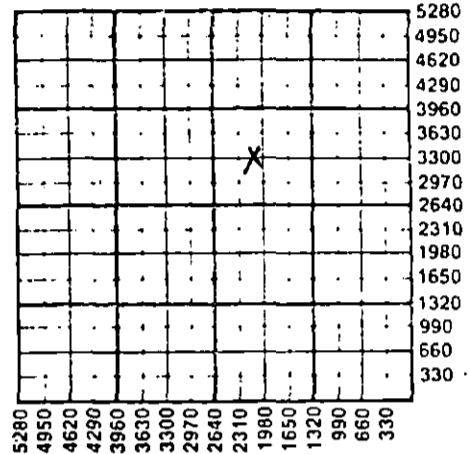
Lease Name O. G. Hinshaw Well # 1

Field Name Innamed CAVE W

Producing Formation Chester

Elevation: Ground 2994' KB 3005'

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # INFO NOT AVAILABLE AT THIS TIME Repressuring

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit # T87-290

Groundwater 3330 Ft North from Southeast Corner
(Well) 2215 Ft West from Southeast Corner of
Sec 18 Twp 31S Rge 35 East X West

Surface Water Ft North from Southeast Corner
(Stream, pond etc) Ft West from Southeast Corner
Sec Twp Rge East West

Other (explain) (purchased from city, R.W.D. #)

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 82-3-130, 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 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 wireline logs and drillers time log shall be attached with this form. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature D. H. Lawrence

Title General Accounting Supervisor Date 11-17-87

Subscribed and sworn to before me this day of November 1987

Notary Public

Date Commission Expires

K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Drillers Timelog Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

Sec. 18 Twp. 31 Rge. 35 East

Operator Name Mobil Oil Corp Lease Name O. G. Hinshaw Well # 1

Sec. 18 Twp. 31S Rge. 35 East West County Stevens

WELL LOG

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

SEE ATTACHED

RELEASED
 DEC 12 1968
 FROM CONFIDENTIAL

Name	Top	Bottom
Base Stone Corral	1754	
Sumner	2187	
Chase	2567	
Winfield	2644	
Council Grove	2858	
Admire	3122	
Wabaunsee	3271	
Shawnee	3648	
Lansing	4184	
Kansas City	4430	
Marmaton	4858	
Cherokee	5056	
Morrow	5466	
Chester	5764	
St. Genevieve	6048	
St. Louis	6080	
TD	6230	

CASING RECORD New Used
 Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (in O.D.)	Weight Lbs/Ft.	Setting Depth	Type of Cement	#Sacks Used	Type and Percent Additives
Surface	12-1/4"	8-5/8"	24#	1750'	Cl C	565	65:35:6 C: Poz: Gel, CaCl ₂ 1% cellid-flak
Production	7-7/8"	5-1/2"	14#	6230'	Cl H	350	50:50 H: Poz: 2% Gel
					Cl H	265	50:50 H: Poz: 2% Gel, 7% CaCl ₂

PERFORATION RECORD
 Acid, Fracture, Shot, Cement Squeeze Record

Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
4 SPF	5550-5562	48 shots	5550-5562

TUBING RECORD Size Set At Packer at Liner Run Yes No

Date of First Production Producing Method
 INFO NOT AVAILABLE AT THIS TIME Flowing Pumping Gas Lift Other (explain)

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
INFO NOT AVAILABLE AT THIS TIME	Bbls	MCF	Bbls	CFPB	

METHOD OF COMPLETION Production Interval

Disposition of gas: Vented Sold Used on Lease
 Open Hole Perforation Other (Specify) 5550-5562
 Dually Completed Commingled

Mobil Oil Corporation

DM-608 (6/80)

DENVER EAST DIVISION DRILL STEM TEST REPORT FORM

WELL NAME O.G. Hinshaw #1

Well Number #1 Hole Size 7 7/8
 Location monrva Conventional Inflatable Straddle
 Interval 5564.7' - 5598' Top Pkr Set @ 5552.9' Btm Pkr Set @ 5564.7'
 Well Depth 5598 Type of Cushion Fluid None
 Company Halliburton Services Amount of Cushion 0

TEST DATA:

Tool open at 0845 hours. 8-3-87 Date.
 Initial open period _____ mins. 15
 Initial shut-in period _____ mins. 30
 Final flow period _____ mins. 60
 Final shut-in period _____ mins. 120

Description of blow on initial open period Strong blow off bottom of bucket in 20 seconds
Then flow out to pit after 2 minutes - Gas to surface in 3 minutes
 Description of blow during test Stable gas flow @ 415 psi

G.T.S. 5 mins; O.T.S. _____ mins; Bottom hole choke size 75.0
 Surface choke size 6.25
 Flow Rate: Gas 4144.00 4144.0 MCF/DAY B.P.H. G.O.R. _____
 C.F.P.D. Oil _____
 Gravity of Gas _____ Gravity of Oil Condensate 57
 Total fluid recovery 100% ft rounded rate

Resistivity of H₂O None Chlorides of H₂O 5000 P.P.M.
 Depth of top press bomb 5543.7 ft Bottom bomb 5594.7 ft

ESSURE DATA:

Top Bomb:
 I.H.P. 2461.3
 I.F.P. 504.9 to 694.0
 I.S.I.P. 1678.5
 F.F.P. start to 783.7
 F.S.I.P. 1662.4
 F.H.P. 2461.3
 Temp. 120° F
 Was S.I.P. building? No

Bottom Bomb:
 I.H.P. 2490.4
 I.F.P. 513.0 to 719.4
 I.S.I.P. 1674.2
 F.F.P. 224.7 to 215.0
 F.S.I.P. 1683.9
 F.H.P. 2490.4
 Temp. 120° F

WPLE CHAMBER DATA:

Gas 24.51 C.F.
 Oil Condensate 10.0 C.C.
 H₂O _____ C.C.
 Mud _____ C.C.
 Sample Chamber Pressure 412 psi

MARKS:

NOV 24 1987

NOV 24 1987

RELEASED

DEC 12 1988

FROM CONFIDENTIAL