

**GRAND
MESA****OPERATING COMPANY**

(316) 265-3000
FAX: (316) 265-3455

307 FARMERS AND BANKERS BUILDING
200 EAST FIRST STREET
WICHITA, KANSAS 67202

WELL NAME: Stiawalt #5-20
LOCATION: NW/NW Sec. 20-17S-24W
CNTY/STATE: Ness County, Kansas
SURFACE: 8 5/8" @ 290'
API: #15-135-23839

OPERATOR: Grand Mesa Operating Co.
CONTRACTOR: Mallard JV, Inc.
FIELD NAME: Dickman
GL: 2403' KB: 2408'

11-06-94 MIRU Spud 12 1/4 at 12:25 P.M. Circulate to clean hole
Dev 1/4 degree at 275' Ran 6 jts 8 5/8" set at 272.10'
with landing joint. Cement with 165 SX 60/40 Poz; 2% Gel,
3% CC Cement circ to surface. Plug down 6:45 P.M. WOC

11-07-94 Drilled plug 2:45 A.M. Drilling at 476'

11-08-94 TD 2,068' Dev. 3/4 degree at 1,969' and 1 1/4 degree at
2,001' DMC \$60.50 CMC \$60.50 Drilling ahead.

11-09-94 TD 2,915' Dev. 0 degrees DMC \$837.20 CMC \$897.70
Drilling ahead.

11-10-94 TD 3,513' Dev. 1 Degree at 3,012' DMC \$651.65 CMC \$1,549.35
Drilling ahead.

11-11-94 TD 4005' DMC \$ 101.70 CMC \$1,651.05 Drilling ahead.

11-12-94 TD 4332' CMC \$1,651.05 DST #1 4334' - 4368' 20/30/15/30
First flow - very weak blow - died in 10 minutes
Second flow - few bubbles then died Rec. 10' SOCM
(2% oil) IFP 53-53 FFP 53-53 ISIP 53 FSIP 53

11-13-94 TD 4383' Dev. 1 degree at 4368' DST #2 4363' - 4383'
45/60/60/60 First flow - steady 1/4" blow Second flow -
same Rec. 140' of free oil, 30' muddy oil (50% oil/50%
mud) Gravity 39 degrees corrected IFP 86-86
FFP 86-86 ISIP 1069 FSIP 1048 P&A 1st Plug
1710' w/ 50 SX; 2nd Plug 1080' w/80 SX 3rd Plug
300' w/40 SX 4th Plug 40' w/wood plug & 10 SX
to surface RH w/15 SX MH w/10 SX Plug down
7:00 P.M. Total 205 SX 60/40 Poz 6% Gel 1/4#
Flo seal per SX KCC approval by Steve Durrant

=====FINAL REPORT=====

Report To Grand Mesa Operating
Attn _____
Number _____

Well Name & Num. Stewart #5-20
County Ness
API Num. 135-23839

MORNING REPORT

Date 11-13-94 @ 6:30 A.M. Activity Drill Stem #2 on Bottom

@ 4383' Depth w/ 110:40 Hrs. on Bit # 1 B.Wt. _____ Str. Wt. 86

PP _____ SPM _____ BRPM _____ Dev. 1° @ 4368' Ft. Strap 1.96 Short to Board

Mud: Vis. 4.8 Wt. 9.2 W. 5.8 Ch 5.500 Ph 10.0 LCM Tr. #/bb1. Wall cake 2/32

DMCS _____ CMC: 1651.05 Free tank y (n) Lost circ. y (n)

Water Delivery Daily _____ Loads _____ Hrs. _____

Water Delivery Total _____ Loads _____ Hrs. _____

Co. Time 21:24 Rig Time _____ Rotary Time 2:36

DST# 2 @ 4383' TD. Recovered _____

DST# _____ @ _____ TD. Recovered _____

Bit Trip or Term. @ 4383' w/ 110:40 Hrs on Bit # 1 Cond. _____

Fuel 38 M.O. 11 C.O. 23 G.L. 10 A' frz. 11 Prop _____ Alc _____ TorQ 12

M.O. Added #1 OK #2 1 LP#1 Down OK LP#2 OK PM _____ Lstr. _____ Briggs _____

G.L. or (C.O.) Added Mud pump, swivel, table, dwrks. Rot. Chain

Antifreeze Added _____ OK Air Cleaner (Wcd) #1 ch #2 OK 1p OK

MISC.

Comments, Supplies/Parts used and/or needed, updated instructions, etc.

10:10 a.m. T.I.H. ready to Drill ahead. Circulate to clean hole 12-1:20

Orders to Plug. 1:30-2:20 Rig time + clean DST off walk.

2:30 T.O.H. w/ Plug Stds. 3:15 Start LDDP, Atm BK @ 4:35.

LDRH + MH T.I.H. w/ Plug Stds. CCH @ 1710' for 10 min.

1st Plug @ 1710' w/ 50 sx @ 5:30 pm. 2nd Plug @ 1080' with 80 sx.

3rd Plug @ 300' with 40 sx. 4th Plug @ 40' with wood plug + 10 sx to Surface.

R.H. with 15 sx, M.H. with 10 sx Plug down @ 7:00 p.m. by Allied (Ness City)

Total sacks 205, 60/40 poz, 6% gel, 7" Floseal per sack.

Approved by KCC Steve Durrant

Report To Grand Mesa Operating
 Attn _____
 Number _____

Well Name & Num. Stiawall 5-20
 County Ness
 API Num. 135-23839

MORNING REPORT

Date 11-7 @ 6:30 A.M. Activity Drilling Ahead

@ 476' Depth w/ 2 1/2 Hrs. on Bit # 1 B.Wt. 20 Str. Wt. 44

PP 800 SPM 52 BRPM 60 Dev. 4° @ 275 Ft. Strip _____

Mud: Vis. _____ Wt. 8.3 W. _____ Ch1 _____ Ph _____ LCM _____ #/bbl. Wall cake _____

DMCS 0 CMC1 _____ Frac tank y/n. Lost circ. y/n @ _____

Water Delivery Daily _____ Loads _____ Hrs. _____

Water Delivery Total _____ Loads _____ Hrs. _____

Co. Time 8 W.O.C. Rig Time 10:38 Rotary Time 5:22

DST# @ _____ TD. Recovered _____

DST# @ _____ TD. Recovered _____

Bit Trip or Term. @ _____ w/ _____ Hrs on Bit# _____ Cond. _____

Fuel 19 M.O. 5 C.O. 18 G.L. 11 Air Pre. 11 Prop _____ Alc _____ TorQ 12

M.O. Added #1 1+0H #2 1 LP#1 1/2 LP#2 _____ FM _____ Letr _____ Briggs _____

G.L. or C.O. Added Mud pump, swivel, table, dunks. _____

Antifreeze Added 1 gal premix Air Cleaner (Wcd) #1 Ch. #2 _____ 1p. _____

MISC.

Comments, Supplies/Parts used and/or needed, updated instructions, etc.

11-6 Moved in Big Tool and raised derrick @ 11:00 am.

Spud 12 1/4" @ 12:25 p.m. Circulate to Clean hde @ 4:50 p.m.

for 30 min @ 275' TOH 7° deviation.

Ran 6 jts 8 7/8" x 20" x 265.50', set @ 272.10' w/ 1/2

Cement with 165 sx 60/40 poz, 2% gel, 3% cc.

Cement did Circulate. P.D. @ 6:45 p.m by Allied-Ness City

Cement in pipe 30'. Drilled Plug 2:45 am 11-7-94

Date 11-12 @ 6:30 A.M. Activity DREG AHEAD

@ 4332 Depth w/108:09 Hrs. on Bit # 1 B.Wt. 35 Str.Wt. 90

PP 1000 SPM 54 BRPM 65 Dev. @ _____ ft. Strap _____

Mud:Vis. 47 Wt. DRY WL 6.0 Chl 3000 Ph 10.0 LOM 1 #/bbl. Wall cake 2 1/2

DMC\$ _____ CMC\$ 1651.05 Frac tank y/n. Lost circ. y/n @ _____

Water Delivery Daily _____ Loads _____ Hrs. _____

Water Delivery Total _____ Loads _____ Hrs. _____

Co. Time _____ Rig Time 1:28 Rotary Time 22:32

DST# _____ @ _____ TD. Recovery Hess Oil otherwise tight hole

DST# _____ @ _____ TD. Recovered _____

Bit Trip or Term. @ _____ w/ _____ Hrs on Bit# _____ Cond. _____

Fuel 42 M.O. 11 C.O. 23 G.L. 10 A'frz 11 Prop _____ Alc _____ TorQ 12

M.O. Added #1 1 #2 1 1/2 LP#1 DN LP#2 3/4 PM _____ Lstr _____ Briggs _____

G.L. or C.O. Added Mud pump, swivel, table, dwrks. _____

Antifreeze Added _____ Air Cleaner (Wed) #1 _____ #2 _____ lp _____

MISC. _____

Comments. Supplies/Parts used and/or needed, updated instructions, etc.

4363 NOT CIRC YET

Report To Grand Mesa Operating
Attn _____
Number _____

Well Name & Num. Stewart #5-20
County WESS
API Num. 135-23839

MORNING REPORT

Date 11-12-94 @ 6:30 A.M. Activity Drilling Ahead

@ 4332' Depth w/ 108-04 Hrs. on Bit # 1 B.Wt. 35 Str. Wt. 90

PP 1000 SPM 54 BRPM 65 Dev. @ _____ Ft. Strap _____

Mud: Vis. 47 Wt. 6.0 Chl 3000 Ph 10.0 LCM 1 #/bbl. Wall cake 7/32

DMCS _____ CMC1 1651.05 Free tank y/r. Lost circ. y/n @ _____

Water Delivery Daily _____ Loads _____ Hrs. _____

Water Delivery Total _____ Loads _____ Hrs. _____

Co. Time _____ Rig Time 1:28 Rotary Time 22:32

DST# _____ @ _____ TD. Recovered _____

DST# _____ @ _____ TD. Recovered _____

Bit Trip or Term. @ _____ w/ _____ Hrs on Bit# _____ Cond. _____

Fuel 42 M.O. 11 C.O. 23 G.L. 10 A'frz. 11 Prop _____ Alc _____ TorQ 12

M.O. Added #1 1 #2 1 1/2 LPH1 DU LPH2 3/4 PM _____ Letr _____ Briggs _____

G.L. or C.O. Added Mud pump, swivel, table, chucks. _____

Antifreeze Added _____ Air Cleaner (Wad) #1 _____ #2 _____ lp _____

MISC.

Comments, Supplies/Parts used and/or needed, updated instructions, etc.

4363' NOT circ yet.

Report To Grand Mesa Operating
Attn. _____
Number _____

Well Name & Num. Stiawatt #5-20
County Ness
API Num. 135-23839

MORNING REPORT

Date 11-8 @ 6:30 A.M. Activity Drilling Ahead

@ 2068' Depth w/ 21:50 Hrs. on Bit # 1 B.Wt. 30 Str. Wt. 67

PP 950 SPM 52 BRPM 75 Dev. 1 3/4" @ 1069' @ 2001 Ft. Strap _____

Mud: Vis. _____ Wt. 9.1 W. _____ Chl _____ Ph _____ LCM _____ #/bbl. Wall cake _____

DMC\$ 60.50 CMC\$ 60.50 Frac tank y/n. Lost circ. y/n @ Hole Flush for Deviation

Water Delivery Daily _____ Loads _____ Hrs. _____

Water Delivery Total _____ Loads _____ Hrs. _____

Co. Time _____ Rig Time 4 3/4 hrs Rotary Time 19 1/4 hrs

DST# _____ @ _____ TD. Recovered _____

DST# _____ @ _____ TD. Recovered _____

Bit Trip or Term. @ _____ w/ _____ Hrs on Bit# _____ Cond. _____

Fuel 71 M.O. 21 C.O. 33 G.L. 11 A'Prz. 11 Prop _____ Alc _____ TorQ 12

M.O. Added #1 0 #2 3 1/2 LP#1 1/2 LP#2 _____ PM _____ Lstr _____ Briggs _____

G.L. or (C.O.) Added Mud pump, swivel, table, (Jwrks) 5 gals.

Antifreeze Added 0 Air Cleaner (Wed) #1 Ch. #2 ok 7p. ok

MISC.

Comments, Supplies/Parts used and/or needed, updated instructions, etc.

Anhydrite 1685' - 1716'

NOV. 22 1994

DAILY DRILLING REPORT 391

Note—Report all defects in machinery, coring, slope tests and injuries under Remarks

DATE 11-6-95

COMPANY Grand Mesa		WELL NO. 5-20	LEASE Stiawalt	RIG NO. 2
SECTION	TWP. OR BLOCK	RNG. OR SURVEY	COUNTY Ness	STATE Ks

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE
						REG.	O.T.	
1				Jim Mickle	DRLR	8	150	miles
				Frank Symonk	DKM	8		
				Leroy Chapman	HLP	8		
				Mark Elsen	HLP	8		
HRS. RUN	HRS. LOST	REASON						
DEFLECTION		BITS RUN		HOURS RUN				
CONE NOS.		SET NO.		CORE HEAD NO.		CORE NO. & DESCRIPTION		

REMARKS:— **Set 5:15 + help Rig up**

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE
						REG.	O.T.	
2		133		Lyle Juergensen	DRLR	8	165	miles
				Richard Riedel	DKM	8		
				Kelly Urban	HLP	8		
				Lalov Urban	HLP	8	40	miles
HRS. RUN	HRS. LOST	REASON						
DEFLECTION		BITS RUN		HOURS RUN				
CONE NOS.		SET NO.		CORE HEAD NO.		CORE NO. & DESCRIPTION		

REMARKS:— **Load out Humphrey, Rig up on Stiawalt, DRK in Air @ 11:00pm
 Spud 12 1/4 @ 12:25 PM, DR 11:07-2:30**

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE
						REG.	O.T.	
3		275		Gary Fehrenbach	DRLR	8	58	miles
				Tohrey Rupp	DKM	8		
				Randy Oliver	HLP	8		
				Charles Schniepp	HLP	8		
HRS. RUN	HRS. LOST	REASON						
DEFLECTION		BITS RUN		HOURS RUN				
CONE NOS.		SET NO.		CORE HEAD NO.		CORE NO. & DESCRIPTION		

REMARKS:— **2:30 - 2:48 Rig up, 2:48 - 4:50 Drill, 4:50 - 5:40 CCH-3 JTs 1/2 in
 CCH-Dr Tool-Toh, 5:40 - 6:30 Run 6 JTs 8 5/8 20# 265.50 Set
 AT 272.10 with 165 sks 50
 2:10 - 3:10 P.D. 6:45 C.D.C. Allied N.C. *[Signature]***

DATE **11-7-94**

COMPANY Grand MESA		WELL NO. 5-20	LEASE Stewart	RIG NO. 2
SECTION	TWP. OR BLOCK	RNG. OR SURVEY	COUNTY NESS	STATE KS

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
1	275	476		Jim Mickle	DRLR	8	150	Miles
				Frank Symank	DKM	8		
				Leroy Chapman	HLP	8		
				DAN Bartonek	HLP	8		
HRS. RUN	HRS. LOST	REASON						
2+36	5+24							
DEFLECTION		BITS RUN	HOURS RUN	FUEL 19				
		HP-52	2+36	CORE NO. & DESCRIPTION				
CONE NOS.		SET NO.	CORE HEAD NO.					
		N41617	1					

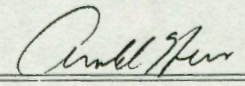
REMARKS:— **10:30-2:45 W.O.C. 2:45-3:02 Drlg plug @ 30' Cmt**
3:02-2:30 Drlg

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
2	476	1069		Ladon Urban	DRLR	8	170	miles
				Richard Riedel	DKM	8		
				Kelly Urban	HLP	8		
				Dan Bartonek	HLP	8		
HRS. RUN	HRS. LOST	REASON						
6+38	1+22							
DEFLECTION		BITS RUN	HOURS RUN	CORE NO. & DESCRIPTION				
		HP-52	9+14					
CONE NOS.		SET NO.	CORE HEAD NO.					
		N41617	1					

REMARKS:— **Drlg 6:30-6:39, Rig ✓ @ 5:07, Drlg 6:52-2:17, cct f/D.U.**

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
3	1069	1702		Gary Fehrenbach	DRLR	8	58	mi/hr
				Toney Rupp	DKM	8		
				Randy Oliver	HLP	8		
				Charles Schniepp	HLP	8	18 miles	3 Trips to water pump
HRS. RUN	HRS. LOST	REASON						
6+18	1+42							
DEFLECTION		BITS RUN	HOURS RUN	CORE NO. & DESCRIPTION				
		HP-52	15+32					
CONE NOS.		SET NO.	CORE HEAD NO.					
		N41617	1					

REMARKS:— **2:30-2:56 DV Test, Rig ✓ 2:56-7:19 Drill**
7:19-7:31 J&T #1, 7:31-10:30 Drill

APPROVED BY FIELD SUPERINTENDENT


DATE 11-8-94

COMPANY Grand Mesa			WELL NO. 5-20	LEASE STIAWAIT	RIG NO. 2
SECTION	TWP. OR BLOCK	RNG. OR SURVEY	COUNTY Ness	STATE Ks	

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
1	1702	1716	Anhydrite	Lyle Juergensen	DRLR	8	165	Miles
				Danny Bunch	DKM	8		
				Leroy Chapman	HLP	8		
				Mark Eisen	HLP	8		
HRS. RUN 6+18		HRS. LOST 1+42		REASON				
DEFLECTION @ 2001		BITS RUN HP-52		HOURS RUN 21+50		Fuel 91		
CORE NOS. N41619		SET NO. 1		CORE HEAD NO.		CORE NO. & DESCRIPTION MIX 10 Gal, 1/2 Lime,		

REMARKS: 10³⁰-11⁵⁵ Drlg 11⁵⁵-11⁵⁵ Rg. 5000, Jet #1 @ 1728, 11³⁵-12³⁰ Drlg, 12³⁰-12⁴⁵ Jet #2, 12⁴⁵-4⁰⁰ Drlg, 4⁰⁰-4¹⁵ Jet #1, 4¹⁵-5⁰⁰ Drlg, 5⁰⁰-6⁰⁰ CICH 7 Run S.H.T. 6⁰⁰-6³⁰ Drlg
 Flush hole @ 2015 w/40 bbls

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
2	2068	2416		Lavon Urban	DRLR	8	170	miles
				Richard Riedel	DKM	8		
				Kelly Urban	HLP	8		
				Danl Bartovek	HLP	8		
HRS. RUN 7+06		HRS. LOST +54		REASON				
DEFLECTION		BITS RUN HP-52		HOURS RUN 28+56		CORE NO. & DESCRIPTION 44 gal, 4 hulls, 2 caustic, 2 Lig 2 soda Ash, 1 Pac-R		
CORE NOS. N41619		SET NO. 1		CORE HEAD NO.				

REMARKS: Drlg 6:30-6:43 Rig ✓ @ 2073, Drlg 6:55-8:00, Jet #2 @ 2136, Drlg 8:12-11:47, Jet #1 @ 2324, Drlg 11:58-2:30

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
3	2416	2699		Gary Fehrenbach	DRLR	8	58	miles
				Toney Rupp	DKM	8		
				Randy Oliver	HLP	8		
				Charles Schnepp	HLP	8		
HRS. RUN 7+12		HRS. LOST 4.8		REASON				
DEFLECTION		BITS RUN HP-52		HOURS RUN 36+8		CORE NO. & DESCRIPTION 44 Gal, 4 Hulls, 2 Caustic, 2 Lig 2 Soda Ash		
CORE NOS. N41619		SET NO. 1		CORE HEAD NO.				

REMARKS: 2:30-2:44 Rig ✓, 2:44-6:29 Drill, 6:29-6:40 Jet #1 AT 2574, 6:40 - Drill

APPROVED BY FIELD SUPERINTENDENT

Paul Rupp

DATE 11-9-94

COMPANY Grand Mesa		WELL NO. 5-20	LEASE STIGWAIT	RIG NO. 2
SECTION	TWP. OR BLOCK	RNG. OR SURVEY	COUNTY	STATE Ks

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE
						REG.	O.T.	
1	2699	2915		Jim Wickke	DRLR	8	150	Miles
				Mark Eken	DKM	8		
				Lyle Juergensen	HLP	8	30	Miles
				Danny Bunch	HLP	8		
HRS. RUN	HRS. LOST	REASON						
947	43							
DEFLECTION	BITS RUN		HOURS RUN					
	HP-52		43+25					
CONE NOS.	SET NO.	CORE HEAD NO.		CORE NO. & DESCRIPTION Fuel - 66"				
N41619	1							

REMARKS: 1030-1155 DcLg 1155-1208 ✓ Rg 1208-3:57 DcLg
 3:57-408 Jet + gun #1 @ 2823 0408-630 DcLg

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE
						REG.	O.T.	
2	2915	3118		Lavon Urban	DRLR	8	170	miles
				Richard Riedel	DKM	8		
				Kelly Urban	HLP	8		
				Dan Bartonek	HLP	8		
HRS. RUN	HRS. LOST	REASON						
6+35	1+25							
DEFLECTION	BITS RUN		HOURS RUN					
1° @ 3012	HP-52		50-					
CONE NOS.	SET NO.	CORE HEAD NO.		CORE NO. & DESCRIPTION 37 gel, 7 hulls, 1 caustic 1 Lig, 1 soda Ash, 1 Lime				
N41619	1							

REMARKS: DcLg 6:30-6:40, Rig ✓ @ 2918, DcLg 6:50-8:45, Jet #2 @ 2980
 DcLg 8:55-9:36, CCH + Run D.V. Survey @ 3012, DcLg 10:30-2:30

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE
						REG.	O.T.	
3	3118	3339		Gary Fehrenbach	DRLR	8	58	miles
				Toney Rupp	DKM	8		
				Randy Oliver	HLP	8		
				Charles Schniapp	HLP	8		
HRS. RUN	HRS. LOST	REASON						
7+22	38							
DEFLECTION	BITS RUN		HOURS RUN					
	HP-52		57+22					
CONE NOS.	SET NO.	CORE HEAD NO.		CORE NO. & DESCRIPTION 22 Gel 4 Hulls				
N41619	1							

REMARKS: 2:30-3:08 Drill, 3:08-3:21 Rig ✓, 3:21-6:00 Drill
 6:00-6:11 Jet #1, 6:11- Drill

APPROVED BY FIELD SUPERINTENDENT
And Gas

DATE **11-10-94**

COMPANY Grand MESA			WELL NO. 5-20	LEASE Strawhatt	RIG NO. 2
SECTION	TWP. OR BLOCK	RNG. OR SURVEY	COUNTY Ness	STATE KS	

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE
						REG.	O.T.	
1	3339	3513		Jim Muckle	DRLR	8	150 miles	
				Frank Surmank	DKM	8		
				Larry Chapman	HLP	8		
				Mark Eken	HLP	8		
HRS. RUN	HRS. LOST	REASON						
6+38	1+22							
DEFLECTION		BITS RUN	HOURS RUN					
		HP-52	64-	Fuel 56				
CONE NOS.		SET NO.	CORE HEAD NO.	CORE NO. & DESCRIPTION				
N41619		1		22 Gel 2 Lg 2 Cantic 25A, 26 Pac-R Mud Displaced 0512				

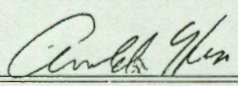
REMARKS:— 10:30-11:00 Drlg 11:00-11:31 Rlv ✓ 11:31-2:25 Drlg
 2:25-2:35 Get down #1 @ 3421 2:35-3:47 Drlg 3:47-3:57 Get #2
 3:57-5:08 Drlg 5:08-5:40 Clean Pits to displace 5:40-6:30 Drlg @ 15 min jet

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE
						REG.	O.T.	
2	3513	3753		Gary Fehrenbach	DRLR	8	58 miles	
				Toney Rupp	DKM	8		
				Randy Oliver	HLP	8		
				Charles Schniapp	HLP	8		
HRS. RUN	HRS. LOST	REASON						
7+12	48							
DEFLECTION		BITS RUN	HOURS RUN					
		HP-52	7+12	CORE NO. & DESCRIPTION				
CONE NOS.		SET NO.	CORE HEAD NO.	18 Gel				
N41619		1						

REMARKS:— 6:30-7:35 Drill, 7:35-7:53 Rlv ✓, 7:53-1:33 Drill
 1:33-1:43 Clean Screen - AOP, 1:43-1:51 Drill

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE
						REG.	O.T.	
3	3753	3893		Lavon Urban	DRLR	8	170 miles	
				Richard Riedel	DKM	8		
				Danny Bunch	HLP	8		
				Lyle Juergensen	HLP	8	30 Miles	
HRS. RUN	HRS. LOST	REASON						
16+40	1+20							
DEFLECTION		BITS RUN	HOURS RUN					
		HP-52	77+52	CORE NO. & DESCRIPTION				
CONE NOS.		SET NO.	CORE HEAD NO.					
N41619		1						

REMARKS:— Drlg 2:30-3:06, Rlv @ 3767, Drlg 3:33-5:11, Replace oil Line on #2
 w/Temporary Copper Line @ 3798, Drlg 5:50-10:30

APPROVED BY FIELD SUPERINTENDENT


DATE 11-11-94

COMPANY Grand Mesa		WELL NO. 5-20 STIAWAHT	LEASE STIAWAHT	RIG NO. 2
SECTION	TWP. OR BLOCK	RNG. OR SURVEY	COUNTY Ness	STATE Ks

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
1	3893	4005		Jim Mickle	DRLR	8		150 Miles
				Frank Syrank	DKM	8		
				LeRoy Chapman	HLP	8		
				Charlie Schniepp	HLP	8		
HRS. RUN	HRS. LOST	REASON						
7+40	+20							
DEFLECTION		BITS RUN	HOURS RUN	FUEL #9				
		HP-52	85+32					
CONE NOS.		SET NO.	CORE HEAD NO.	CORE NO. & DESCRIPTION				
N41619		1						

REMARKS:— **10:30-12:44 Drlg 12:44-12:55 Rig ✓ 12:55-6:30 Drlg**

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
2	4005	4123		Gary Fehrenbach	DRLR	8		58 miles
				Tony Rupp	DKM	8		
				Randy Oliver	HLP	8		
				Charles Schniepp	HLP	8		
HRS. RUN	HRS. LOST	REASON						
7+33	27							
DEFLECTION		BITS RUN	HOURS RUN	CORE NO. & DESCRIPTION				
		HP-52	93+5					
CONE NOS.		SET NO.	CORE HEAD NO.	CORE NO. & DESCRIPTION				
N41619		1						

REMARKS:— **6:30-7:27 Drill, 7:27-7:38 Rig ✓, 7:38- Drill**

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
3	4123	4230		Lyle Juergensen	DRLR	8		165 Miles
				Danny Bunch	DKM	8		
				Kelly Urban	HLP	8		
				Laverne Urban	HLP	8		40 Miles
HRS. RUN	HRS. LOST	REASON						
7+40	+20							
DEFLECTION		BITS RUN	HOURS RUN	CORE NO. & DESCRIPTION				
		HP-52	100+45					
CONE NOS.		SET NO.	CORE HEAD NO.	CORE NO. & DESCRIPTION				
N41619		1						

REMARKS:— **2³⁰-4⁰⁷ Drlg, 4⁰⁷-4²⁰ Rig ✓, 4²⁰-10³⁰ Drlg**

APPROVED BY FIELD SUPERINTENDENT
Arnell Jones

DAILY DRILLING REPORT 391

Note—Report all defects in machinery, coring, slope tests and injuries under Remarks

DATE 11-12-44

COMPANY <u>Grand MESA</u>		WELL NO. <u>5-20</u>	LEASE <u>Stewart</u>	RIG NO. <u>2</u>
SECTION	TWP. OR BLOCK	RNG. OR SURVEY	COUNTY <u>Ness</u>	STATE <u>K5</u>

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE
						REG.	O.T.	
1	<u>4230</u>			<u>Jim Mickle</u>	<u>DRLR</u>	<u>8</u>	<u>150 miles</u>	
FROM				<u>Frank Symank</u>	<u>DKM</u>	<u>8</u>		
M.				<u>Leroy Chapman</u>	<u>HLP</u>	<u>8</u>		
TO				<u>Jack Elsen</u>	<u>HLP</u>	<u>8</u>		
M.								
HRS. RUN	<u>7+19</u>	HRS. LOST	<u>+41</u>	REASON				
DEFLECTION		BITS RUN	<u>HP-52</u>	HOURS RUN	<u>108+4</u>	Fuel 42		
CONE NOS.	<u>N 41619</u>	SET NO.	<u>1</u>	CORE HEAD NO.		CORE NO. & DESCRIPTION		

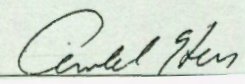
REMARKS:-
1030-1124 Drlg 1124-1136 Rig 1136-422 Drk
422-430 Get Hole #1 @ 4300 Add treatment 4300-600 Drlg

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE
						REG.	O.T.	
2	<u>4332</u>	4332 <u>4368</u>		<u>Gary Fehrenbach</u>	<u>DRLR</u>	<u>8</u>	<u>58 miles</u>	
FROM				<u>Tony Rupp</u>	<u>DKM</u>	<u>8</u>		
M.				Jack Elsen	<u>HLP</u>			
TO				<u>Dan Bunch</u>	<u>HLP</u>	<u>8</u>		
M.				<u>Lyle Juergenson</u>		<u>8</u>	<u>90 miles</u>	
HRS. RUN	<u>1754</u>	HRS. LOST	<u>6+6</u>	REASON				
DEFLECTION		BITS RUN	<u>HP-52</u>	HOURS RUN	<u>109+58</u>	CORE NO. & DESCRIPTION		
CONE NOS.	<u>N 41819</u>	SET NO.	<u>1</u>	CORE HEAD NO.				

REMARKS:-
6:30-8:32 Drill, 8:32-10:25 CFS AT 4368, 10:25-11:36
Short Trip 15 stds, 11:36-12:36 CCH, 12:36-2:30 TOH with Bit

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE
						REG.	O.T.	
3	<u>4368</u>	<u>4383</u>		<u>Lavon Urban</u>	<u>DRLR</u>	<u>8</u>	<u>170 miles</u>	
FROM				<u>Mark Elsen</u>	<u>DKM</u>	<u>8</u>		
M.				<u>Kelly Urban</u>	<u>HLP</u>	<u>8</u>		
TO				<u>Frank Symank</u>	<u>HLP</u>	<u>8</u>		
M.								
HRS. RUN	<u>42</u>	HRS. LOST	<u>7+18</u>	REASON				
DEFLECTION	<u>10</u>	BITS RUN	<u>HP-52</u>	HOURS RUN	<u>110+40</u>	Strap Short - 1.96		
CONE NOS.	<u>N 41619</u>	SET NO.	<u>1</u>	CORE HEAD NO.		CORE NO. & DESCRIPTION		

REMARKS:-
DST #1 2:30-9:25, CCH 9:25-9:40, Drlg 9:40-10:22, CFS @ 4383

APPROVED BY FIELD SUPERINTENDENT


DAILY DRILLING REPORT 391

Note—Report all defects in machinery, coring, slope tests and injuries under Remarks

DATE 11-13-94

COMPANY **Grand Mesa A** WELL NO. **5-20** LEASE **Stewart** RIG NO. **2**
 SECTION **TWP. OR BLOCK** RING. OR SURVEY **County** STATE **Ks**

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE
						REG.	O.T.	
1			4363-4383 DST#2	Jim Mickle	DRLR	8		150 miles
	FROM			Frank Symak	DKM	8		
	M.			Leopold Choman	HLP	8		
	TO			Mark Eichen	HLP	8		
	0	8	REASON					
	DEFLECTION	BITS RUN HP-52	HOURS RUN 110+40	Fuel 38				
	CONE NOS. N4119	SET NO. 1	CORE HEAD NO.	CORE NO. & DESCRIPTION				

REMARKS:— **10:30-1200 CES @ 4383 1200-3130 TO H. @ Bit + IN w/foot**
3:30-6:30 Testing

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE
						REG.	O.T.	
2			4368¹⁰ 4383	Lyle Juergensen	DRLR	10		165 Miles
	FROM			Danny Bunch	DKM	10		
	M.			Randy Oliver	HLP	10		
	TO			Charlie Schniepp	HLP	10		
	8		REASON					
	DEFLECTION	BITS RUN HP-52	HOURS RUN 110+40	CORE NO. & DESCRIPTION				
	CONE NOS. N41619	SET NO. 1	CORE HEAD NO.	CORE NO. & DESCRIPTION				

REMARKS:— **6³⁰-9³⁰ DST #2. 9³⁰-10⁰⁰ W.O.D. 10⁰⁰-12⁰⁰ IN 1/8" BIT, 12⁰⁰-1⁰⁰ CTCH 4 W.O.D.**
1⁰⁰-2³⁰ Tele Cuts. 2³⁰-4³⁰ LOP

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE
						REG.	O.T.	
3				LAOON URBAN	DRLR	8		170 mi.
	FROM			RICHARD RIEDEL	DKM	8		
	M.			KEVIN URBAN	HLP	8		
	TO			DAN BARTONER	HLP	8		
	8		REASON					
	DEFLECTION	BITS RUN	HOURS RUN	CORE NO. & DESCRIPTION				
	CONE NOS.	SET NO.	CORE HEAD NO.	CORE NO. & DESCRIPTION				

REMARKS:— **TO H. @ 10:30, LOP 3:15-4:10, LOP 4:10-4:35. LORIPMT. TITR @ 11:50 @ 5:10.**
CCHEPT 10 10MIN, 1ST PLUG 5:30 @ 170 w/50 SX 2nd @ 10:00 w/80 SX 3rd @ 3:00 w/40 SX
4th @ 4:00 w/1000 & 10 SX 10 SURFACES, R.H. END 15 SX 17.11. END w/10 SX. 205 SX 60/40 PZ.
6 7/8 S&L 1/4 #1 SK. P/LP 7:00 AM. ALIRED N.C.