DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-104
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

[1] Operator name and Address	[2] OGRID Number
COLEMAN OIL & GAS, INC. P. O. DRAWER 3337 FARMINGTON, NM 87499-3337	004838
	[3] Reason for Filing Code: NW

[4] API Number	[5] Pool Name	[6] Pool Code
30 - 045 -29979	BASIN FRUITLAND COAL	71629
[7] Property Code	[8] Property Name	[9] Well Number
	PAYNE #221	#221

II. [10] Surface Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
H,	22	32N	10W		1860	NORTH	1255	EAST	SAN JUAN

[11] Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West Line	County

[12] Lse Code	[13] Producing Method Code	[14] Gas Connection Date	[15] C-129 Permit Number	[16] C-129 Effective Date	[17] C-129 Expiration Date
FP	F	WAITING ON PL			

III. Oil and Gas Transporters

[18] Transporter OGRID	[19] Transporter Name and Address	[20] POD	[21] O/G	[22] POD ULSTR Location and Description
151618	EL PASO FIELD SERVICES P. O. BOX 2511 HOUSTON, TX 7752-2511	282640	G	S22, T32N, R10W NEXT TO AMOCO SULLIVAN COM E

SEP 2000
RECEIVED
OIL CON. DIV.
DIST. 3

IV. Produced Water

[23] POD	[24] POD ULSTR Location and Description
2826402	H,S22,32N,R10W (WELL PAD) AND PRODUCED WATER FACILITY (NEXT TO AMOCO SULLIV

V. Well Completion Data

[25] Spud Date	[26] Ready Date	[27] TD	[28] PBTD	[29] Perforations
08/20/2000	09/06/2000	2894	2894	OPEN HOLE 2528-2

[30] Hole Size	[31] Casing & Tubing Size	[32] Depth Set	[33] Sacks Cement
17 1/2"	13 3/8"	351	420 SACKS
12 1/4'	9 5/8"	2528	2 STGS. 741 SKS LITE, 200 SKS H
	2 7/8"	2800	

VI. Well Test Data

[34] Date New Oil	[35] Gas Delivery Date	[36] Test Date	[37] Test Length	[38] Tbg. Pressure	[39] Csg. Pressure
	WAITING ON PL CONN.	08/30/2000	1 HOUR	155	155
[40] Choke Size	**[41] Oil**	**[42] Water**	**[43] Gas**	**[44] AOF**	**[45] Test Method**
TWO-3/4"	0	0	4500 MCF/DAY		FLOWING/CAVITATING

[46] I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: Michael T. Hanson
Printed name: MICHAEL T. HANSON
Title: ENGINEER
Date: 09/07/2000 Phone: 505 327-0356

OIL CONSERVATION DIVISION

Approved by: ORIGINAL SIGNED BY CHARLIE T. PERRIN
Title: DEPUTY OIL & GAS INSPECTOR, DIST. #3
Approval Date: SEP - 7 2000

[47] If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature	Printed Name	Title	Date
			09/07/00

SOFTROCK GEOLOGICAL SERVICES

591 CR 233, Durango, CO (970) 247-8868

WELL INFORMATION

COMPANY: Coleman Oil & Gas, Inc.
WELL NAME: Payne #221
LOCATION: Sec 22, T32N-R10W 1860' FNL 1255' FEL
San Juan County, New Mexico
ELEVATION: GL: 6158' KB: 6174'
FIELD: Basin Fruitland

INTERVAL LOGGED: 2528'- 2894' DATE LOGGED: 8/27/00
CONTRACTOR: Key #37
SPUD DATE: 8/20/00

WELLSITE GEOLOGISTS: Ron Horton, Steve Amstutz
GAS INSTRUMENTATION: FID Chromatograph and Total Gas Detector

SECTION 22

CONGL
SS
SLTST
SH
COAL
CHERT
SALT
ANHY
LS
DOL
IGNEOUS
BENTONITE
TUFF

HOLE SIZES - CASING DATA - MUD TYPES

HOLE SIZES: 17 1/2" to 355'
12 1/4" to 2528'
8 3/4" to 2894' after drill out underreamed to 16"

CASING SIZES: 13 3/8" to 351' (K55, 48#)
9 5/8" to 2528' (J55, 36#)

MUD TYPES: Air & Water Mist

ABBREVIATIONS

Ck - Filter Cake
CO - Circulate Out
CG - Connection Gas
DC - Depth Correction
DS - Directional Survey
DST - Drill Stem Test
DTG - Down Time Gas
LAT - Logged After Trip
NB - New Bit
OB - Old Bit
NR - No Returns
pH - pH of Mud
PP - Pump Pressure
RPM - Rotary Speed
SPM - Pump Strokes
TG - Trip Gas
Vis - Viscosity of Mud
WL - Water Loss of Mud
WOB - Weight on Bit
WT - Weight of Mud

LITHOLOGY MODIFIERS

A - Anhydritic
B - Bentonitic
C - Calcareous
CC - Carbonaceous / Coaly
D - Dolomitic
F - Fossiliferous
G - Glauconitic
O - Oolitic
P - Pyritic
S - Siliceous

SPECIAL SYMBOLS

- Core
- DST
- Desorption Can
- Slide

Company: Coleman Oil & Gas, Inc. Well: Payne *221

DRILL RATE

ROP

Minutes Per Foot

0 1 2 3 4

POROSITY | LITHOLOGY | DEPTH | LITHOLOGY | SHOWS

TOTAL GAS UNITS

1 UNIT GAS = 100 PPM Hydrocarbons

0 TOTAL GAS 1000

0 C1/C1-C4 1.0

C1 - C4 PPM

0 METHANE 10000

0 ETHANE 10000

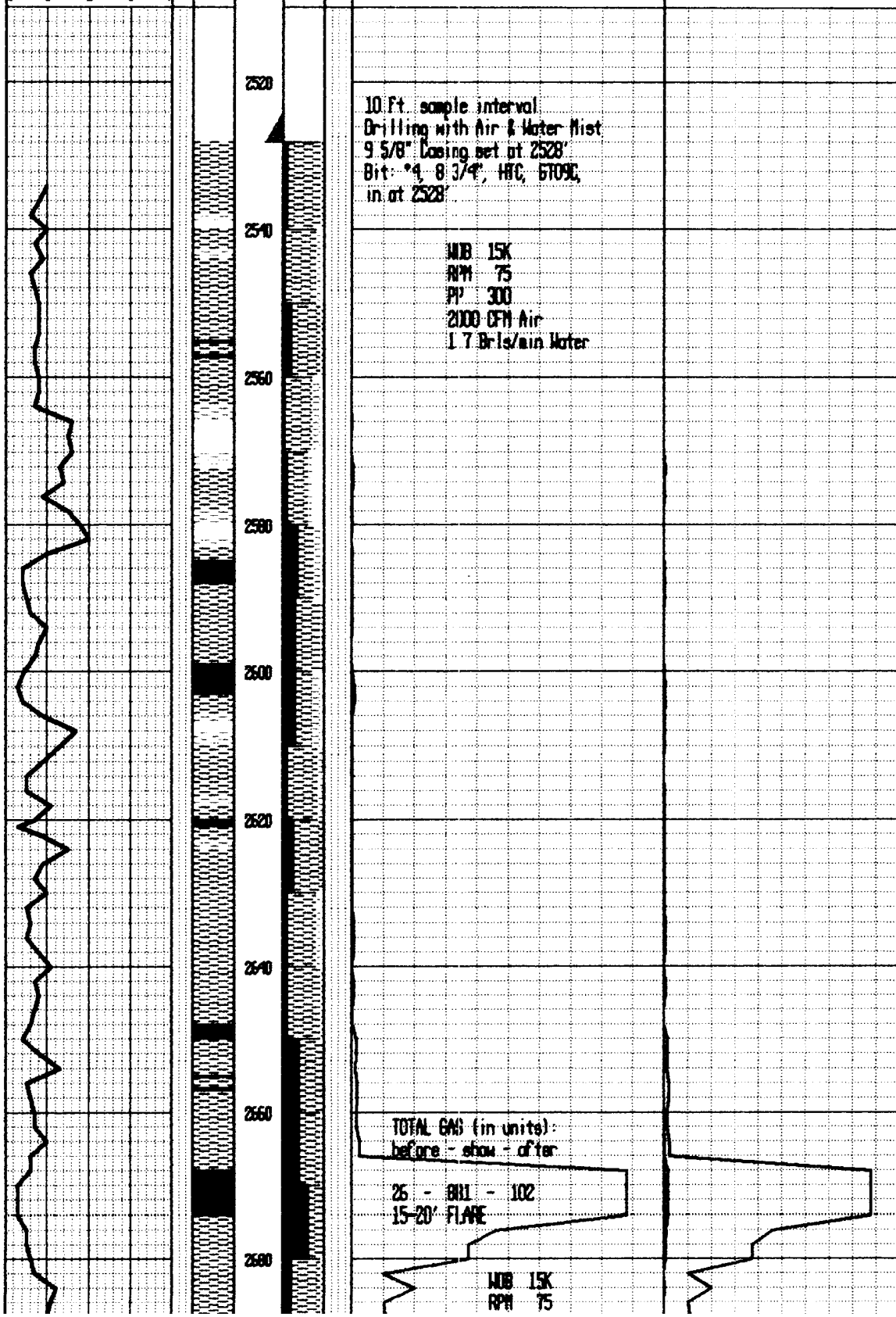
0 PROPANE 10000

0 BUTANE 10000

DESCRIPTIONS / COMMENTS

VERTICAL SCALE:

5" = 100'



SHALE: light gray to gray to gray brown, occasionally dark brown and carbonaceous, platy to sub platy, earthy, slightly calcareous, silty in part, trace amounts micro mica flakes and micro pyrite, moderately firm

SHALE: dark brown to dark gray brown, carbonaceous with thin coal interbeds and micro laminations, platy, non to slightly calcareous, earthy, common pyrite, soft.

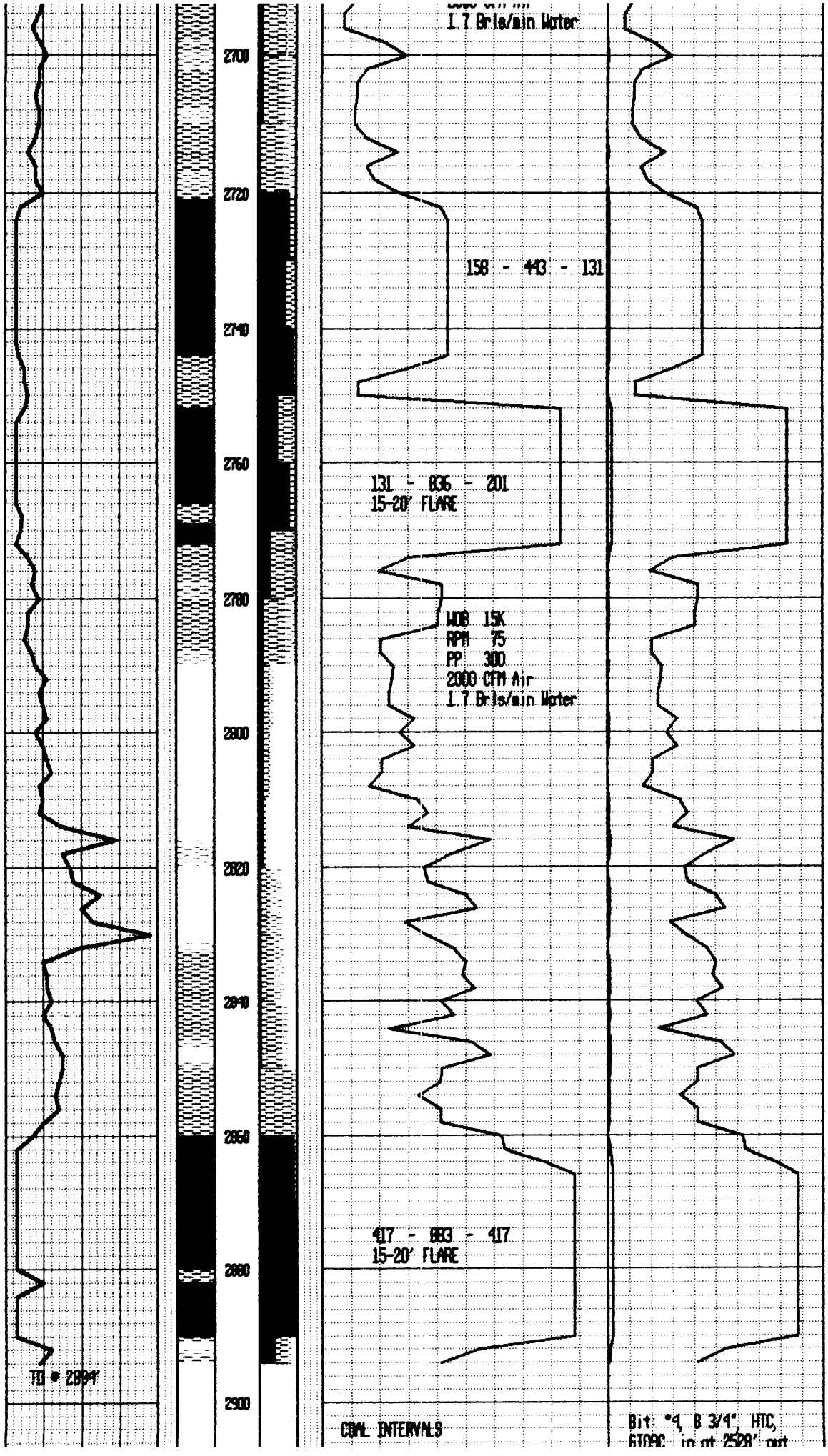
COAL: a combination of dull black to brown black (50%) and intermediate slightly to semi bright black silky to satin lustered coal (45%), minor amounts bright black vitreous coal (5%), platy to rarely sub blocky, mostly sub platy, some micro-laminated texture, only a few distinct cleats, overall very poorly cleated, rare conchoidal fractures, occasional micro pyrite streaks, rather poor quality coal

COAL: coal stringer, black to gray black, mainly dull (60%) to silky (37%), rare bright vitreous (3%), sub platy, no distinct cleats, poor quality coal

SHALE: dark brown carbonaceous shale, common coal micro laminations, platy, soft

COAL: mainly semi bright black satin (55%) with dull black (35%) and some vitreous banding (10%), sub platy to sub blocky, poorly cleated, moderatley fair coal

COAL: primarily a lusterous coal, mainly semi to moderately bright black satin to sub vitreous (60%) coal with good quantities of bright black vitreous (30%) and some dull black (10%), sub platy to blocky, mostly sub blocky to



with common conchoidal fractures, trace amounts of tan calcite free in sample, trace micro pyrite, good quality coal.

SHALE: gray to gray brown, platy to sub platy, earthy, silty,

COAL: varies from bright to dull, primarily a semi bright black satin lustered coal (50%) with some dull black (30%) and bright black vitreous (20%), sub platy to blocky, mostly sub blocky, fair to some good cleat development, occasional to common conchoidal fractures, trace resin, trace quartz crystals and calcite, interpreted to represent at least minor amounts natural fracturing, fair to good quality coal.

COAL: similar to coal above, with a little more vitreous coal and better cleated, mostly semi bright black satin (55%) with pretty good quantities of bright black vitreous coal (25%) and some dull black (20%), sub platy to blocky, mostly sub blocky to blocky, common intersecting cleat faces and conchoidal fractures, good cleat development, trace smokey quartz crystals, represents at least minor amounts of open natural fractures, good quality coal.

SANDSTONE: light gray to light gray brown, very fine to mostly fine grained, sub angular, moderately well sorted, weakly to moderatley cemented with clay and calcite, becoming better cemented with depth, a quartz sand with common off white to cream clay and rare to occasional carbonaceous material, looks tight, no cut or show.

SHALE: gray to gray brown, platy to sub platy, earthy, slightly calcareous, silty with occasional very fine sand grains, gradational to argillaceous siltstone, moderately firm.

COAL: an entirely lusterous coal, brightness ranges from intermediate semi to moderately bright black satin to sub vitreous lustered coal (60%), with very good quantities of bright black vitreous material (40%), sub blocky to blocky, abundant cleat faces and common conchoidal fractures, overall very good cleat development, excellent quality coal, best of well.

	2555 - 2603	4'	6.5 hours.
	2620 - 2621	1'	
	2649 - 2650	2'	
2920	2668 - 2674	6'	
	2721 - 2744	23'	NOTE: After 8 3/4" drill out hole underreamed to 16" with Smith Int. 8200 RTU underreamer.
	2752 - 2766	14'	
	2860 - 2880	20'	
	2882 - 2890	8'	
	TOTAL CORE:	81'	
2940			