

TENNECO OIL COMPANY *A Major Component of Tenneco Inc.*

SUITE 1200 • LINCOLN TOWER BUILDING • DENVER, COLORADO 80203



February 11, 1970

WFX-334

D. 1.6 - 7

New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: Order No. R-3325 South Upper
Hospah Waterflood Project

Gentlemen:

Tenneco Oil Company requests administrative approval to convert Hospah No. 3 from a producing well to a water injection well. Conversion of this well will sweep oil to Well No's. 1, 27, 28 and 30. Hospah No. 1 has been affected by injection into Hospah No's. 5 and 17. No. 30 has responded in injection into No. 5. Hospah No's. 27 and 28 are not currently part of an injection pattern. The area affected by proposed injection into No. 3 will constitute a new pattern and, conversion of this well will result in additional oil recovery.

We propose to convert this well as shown in the enclosed diagrammatic sketch. Approximately 200 BWPD of produced Lower Hospah water will be injected into the Upper Hospah at a depth of 1528-1552 feet.

As required by Rule 701-B we have enclosed a plat of the area, a log of the proposed injection well and Form C-116 showing production tests of affected wells. There are no operators directly offsetting the desired injection well.

Thank you for your consideration in this matter.

Yours very truly,

TENNECO OIL COMPANY

C. W. Nance

C. W. Nance
District Production Superintendent

JML/mae

Attachments

cc: E. C. Arnold - Aztec, New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION
GAS - OIL RATIO TESTS

C-116
Revised 1-1-65

Operator		Pool		County										
TENNECO OIL COMPANY		SOUTH HOSPAH UPPER SWAD		MC KINLEY										
Address		TYPE OF TEST - (X)		Completion ☐ Scheduled ☐ Special ☐										
1200 Lincoln Tower Building, Denver, Colorado 80203														
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST				GAS - OIL RATIO CU.FT./BBL
		U	S	T						R	WATER BBL'S.	GRAV. OIL	OIL BBL'S.	
HOSPAH	1X	G	12	17N	9W	8-6-68	Pumping		24	1	33.	22	TSTM	NIL
HOSPAH	2	F	12	17N	9W	8-8-68	Pumping		24	0	33.	89	TSTM	NIL

No well will be assigned an allowable greater than the amount of oil produced on the official test.

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

I hereby certify that the above information is true and complete to the best of my knowledge and belief.

Don B. Cook
(Signature)

PRODUCTION CLERK

(Title)

8-16-68

(Date)

NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-1116
Revised 1-1-65

Operator		Pool		County		McKinley									
Tenneco Oil Company		South Hospah Upper Sand		South		McKinley									
Address		Suite 1200 Lincoln Tower Building Denver, Colorado 80203		TYPE OF TEST - (X)		Completion ☐ Special ☐									
LEASE NAME	WELL NO.	LOCATION				DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU.FT./BBL	
		U	S	T	R						WATER BBLs.	GRAV. OIL	OIL BBLs.		GAS M.C.F.
Hospah	✓ 1	G	12	17	9	7-4-69	P None	---		24		1		28	TSTM
"	2	F	12	17	9	7-1-69	"			24		0		184	"
"	3	H	12	17	9	7-5-69	"			24		3		8	"
"	4	C	12	17	9	7-11-69	"		40	24		2		57	"
"	12	E	12	17	9	7-12-69	"			24		5		85	"
"	15	E	12	17	9	7-13-69	"		14	24		14		40	"
"	16	F	12	17	9	7-6-69	"			24		0		17	"
"	18	G	12	17	9	7-13-69	"			24		2		33	"
"	19	J	12	17	9	7-3-69	"		62	24		19		55	"
"	20	I	12	17	9	7-5-69	"		5	24		10		1	"
"	21	K	12	17	9	7-5-69	"			24		43		91	"
"	22	L	12	17	9	7-4-69	"		40	24		14		38	"
"	24	B	12	17	9	7-11-69	"			24		119		79	"
"	25	A	12	17	9	7-1-69	"			24		13		2	"
"	26	A	12	17	9	7-12-69	"			24		145		63	"
"	27	H	12	17	9	7-16-69	"			24		0		1	"
"	28	A	12	17	9	7-3-69	"			24		315		1	"
"	✓ 1	I	11	17	9	7-6-69	"			24		23		1	"
Whigham															
* Injection															
* Hospah	5	B	12	17	9										
* Hospah	13	F	12	17	9										
* Hospah	17	G	12	17	9										
* Hospah	23	K	12	17	9										

I hereby certify that the above information is true and complete to the best of my knowledge and belief.

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B. A. Fied
W. R. Clark
(Signature)
(Title)
7-29-69
(Date)

C-116
Revised 1-1-65

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(Signature)

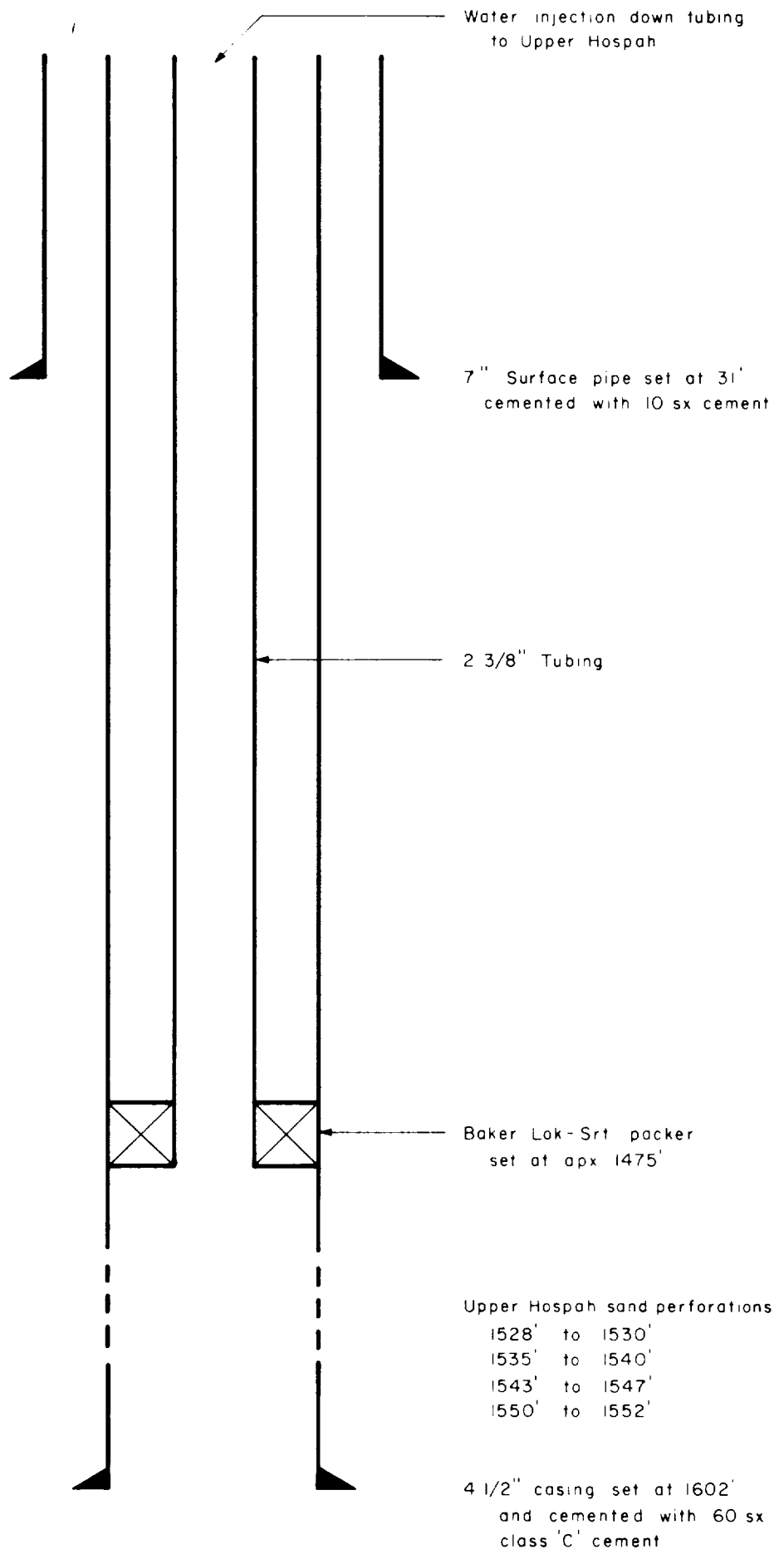
gr. production clerk

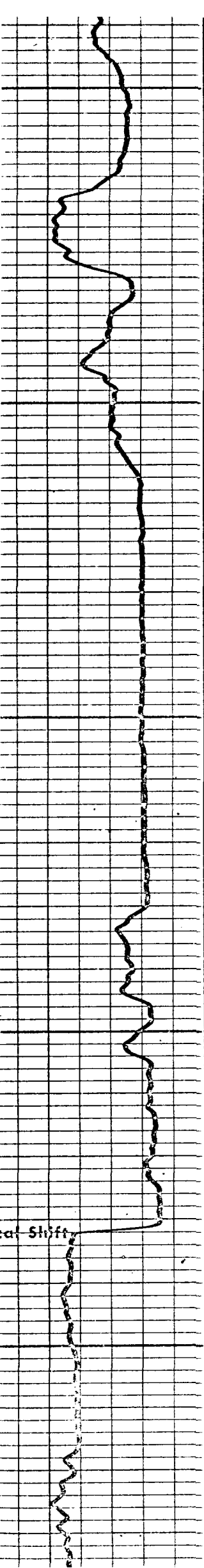
(Title)

10/17/69

(Date)

TENNECO OIL COMPANY
DENVER DISTRICT
PROPOSED WATER INJECTION WELL
UPPER HOSPAH SAND
SOUTH HOSPAH FIELD
Section 12 - T 17 N - R 9 W
Mc Kinley County, New Mexico

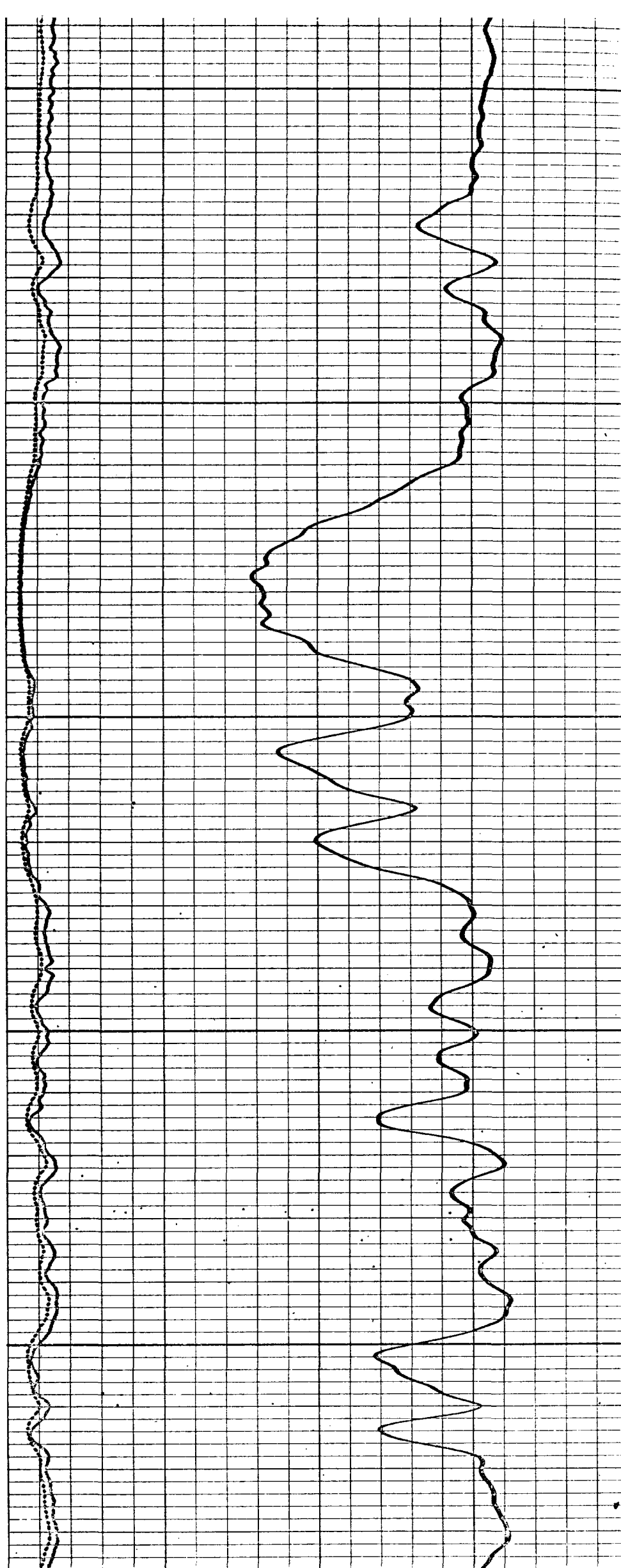




1300

1400

at Shift



HOSPAH #3

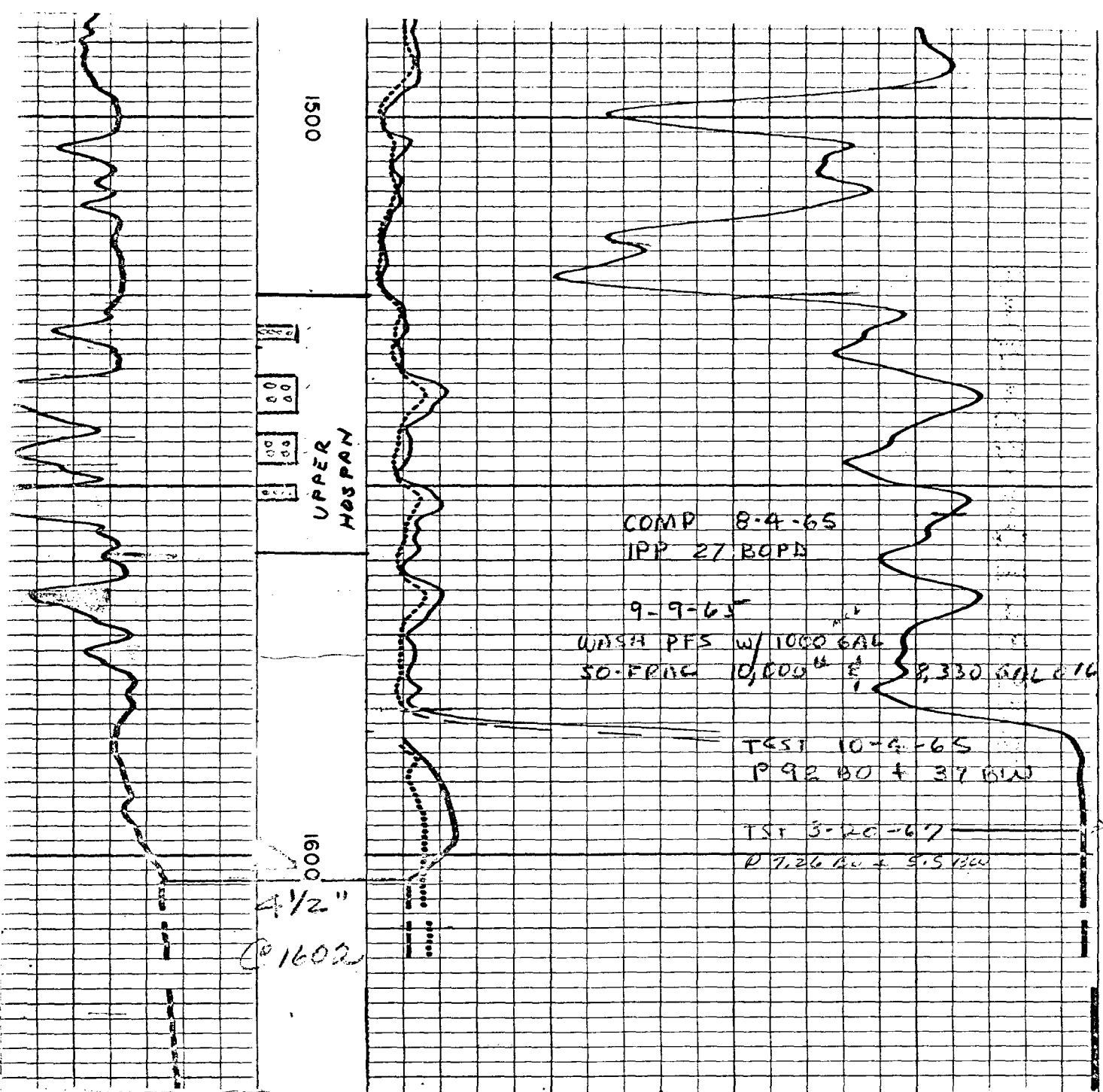
HOSPAH

MC KINLEY

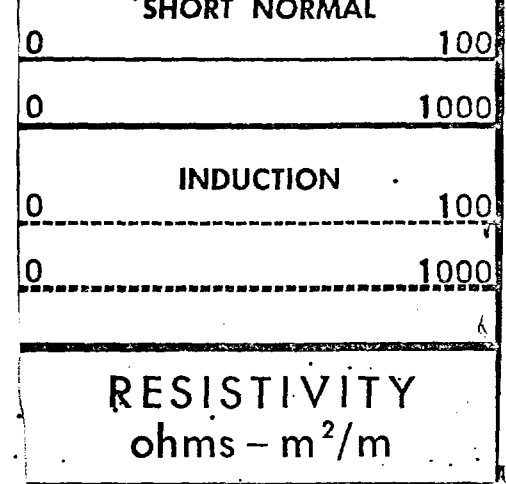
STATE NEW MEXICO

SWSC ID 1603'
DRLR TD 1603'
Elev:

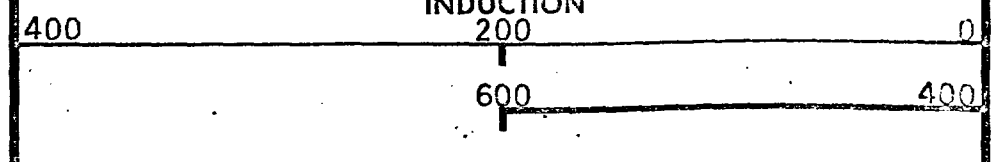
KB NA
DF NA
GL 6962'



A - 16" - M
SHORT NORMAL



6 FF40
INDUCTION



NEOUS-POTENTIAL
millivolts

DEPTHS

CONDUCTIVITY
millimhos/m = $\frac{1000}{\text{ohms} - \text{m}^2/\text{m}}$

NY WHIGHAM DRILLING COMPANY, INC.
HOSPAH #3
HOSPAH
MC KINLEY STATE NEW MEXICO

SWSC FR 1603'
SWSC TD 1604'
DRLR TD 1603'
Elev:
KB NA
DF NA
GL 6962'